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UJN          = CPS1871      FAMILY    = CYBER          JOB ORIGIN    = INTERACTIVE.
CREATING JSN = AACK        USER NAME = INSTALL        SERVICE CLASS = INTERACTIVE.
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## CORRECTION IDENTS ARE LISTED IN CHRONOLOGICAL ORDER OF INSERTION

1	COMPASS	SCP05	CPC1	MCPC1	CCIO1	COPE1	CSRT1	CPC2
2	CMP1	CMP3	CP13226	CMP4	CMP5	CMP6	CMP7	CMP8
3	CMP9	CMP10	CMP11	CMP12	CMP13	CP12752	CMP5A	CMP14
4	CMP15	CMP16	CMP17	CMP18	CMP19	CMP20	CMP21	COMTEXT
5	CMP22	CMP24	CMP25	CMP26	CMP27	CMP28	CMP17A	CMP029
6	CMP029A	CMP030	CMP031	CMP034	CMP039	CMP041	CMP042	CMP64G
7	CMP043	CPC30	COMPCOM	CMP30	CMP30A	CPS001	CPS002	CPS003
8	CPS004	CPS005	CMP036	CMP054	CMP057	CMP069	CMP085	CWEOR
9	CMP052	CMP109	CMP136	CPS005A	CPS008	CPS009	CPS010	CPS011
10	CPS012	CPS020	CPS028	CMP165	CMP051	CMP064	CMP162	L376F
11	CPS038	CPS047	CMP111	HISTORY	L380	CMP146	CPS026	CPS032
12	CPS052	CPS056	CPS061	CPS062	CPS063	CPS064	CMP146A	L383
13	CMP149	CPS057	CPS066	CPS069	CPS073	L383F	L386	L393
14	L397	CP114	L401	L406	CPSCPRT	CP096A	L410	CPS106
15	CPS110	CPS112	L414	S3143CP	*L420*	CPS*76	CP139CP	CP147
16	CP154	CPS085	*L428*	CPS126	CPS127	CPS130	CPS135	CPS141
17	*L433*	*L439*	CPS150	CPS153	*L446*	CPS*77	CPSVER34	CP161CP
18	F7540CP	F7820CP	CPS146	CPS167	*L452*	CPS118X	CPS173	*L460*
19	CPS076X	CPS144	CPS147X	CPS151	CPS161	CPS164X	CPS172	CPS176
20	*L470*	F4720	COMCARG	COMCCDD	COMCCFD	COMCCIO	COMCCOD	COMCCPT
21	COMCDXB	COMCMTM	COMCMTP	COMCMVE	COMCRDC	COMCRDH	COMCRDO	COMCRDS
22	COMCRDW	COMCRSR	COMCSFN	COMCSRT	COMCSST	COMCSTF	COMCSVR	COMCSYS
23	COMCUPC	COMCWOD	COMCWTC	COMCWTH	COMCWTO	COMCWTS	COMCWTW	COMCXJR
24	COMCZTB	CPUREL	CALLCPU	FEAT184N	FEAT184NA	CPS*78	CPSA070	CPSA083
25	CPSA096	CPSA098	CPSA097	CPSA094	CPS168	CPSA104	CPSA107	*L477*
26	CPSA106	CPS188	CPS192	CPSA112	CPS198	*L485*	F4720A	F4720B
27	F4720C	F4720D	F4810A	F4810B	CPSA115	CPS202	CPSA117	CPSA119
28	CPSA123	CPSA125	CPSA126	*L498*	CPS*79	CPSA129	CPSA133	CPSA138
29	*L505*	CPSA132	CPSA134	CPSA142	CPS186	CPS191	CPS213	CPS216
30	CPS218	CPS227	*L508*	CPSA141	CPSA163	CPSA168	CPS219A	CPS234
31	CPS239	CPS243	CPS247	CPSA158	CPSA161	CPS236	CPS240	CPS*80
32	CPSA159	*L518*	*L528*	CPS251	F4820	F4820A	RSM4159	F233CMU
33	SIE7969	CPSA116	CPSA140	CPSA148	CPSA169	CPS214	CPSA181	CPSA184
34	CPSA187	CPSA195	CPSA196	CPSA204	CPS232	CPS0253	CPS254	CPS0257
35	CPS258	CPS0263	CPS0267	*L538*	CPS*81	F4830CP	AIDTEXT	CPSA197
36	CPSA198	CPSA200	CPSA210	CPSA213	CPSA214	CPS0275	CPS0278	CPS0279
37	CPS0281	*L552*	CPSA175	CPSA186	CPSA199	CPSA208	CPSA216	CPSA218
38	CPSA220	CPSA225	CPSA226	CPSA229	CPSA230	CPSA246	CPS211	CPS0241
39	CPS0287	CPS0289	CPS0303	CPS0307	*L564*	CPS*82	F4820B	NADTEXT
40	CPSA227	CPSA233	CPSA234	CPSA235	CPSA236	CPSA240	CPSA241	CPSA242
41	CPSA243	CPSA244	CPSA245	CPSA251	CPS0306	CPS0320	CPS0323	*L577*
42	CPSA257	CPSA259	CPS0094	CPS0325	CPS0338	CPS0340	CPS0343	CPS0345
43	*L587*	CPSA261	CPS2608	*L601*	CPSA265	COMCCPM	*L617*	CPSA266
44	*L628*	*L642*	CPSA274	CPS2627	CPS2628	*L650*	CPSA276	CPSA281
45	CPSA282	CPSA283	CPS0329	CPS2667	*L670*	CPSA284	CPSA286	CPSA287
46	CPSA288	CPSA289	CPSA292	CDCM	CDCMOPT	CWEOR2	CPSA293	CPSA295
47	CPSA297	CPSA300	CPS2658	CPS2659	CPS2672	*L688*	*L716*	CPS2660
48	*L739*	CPSA291	CPSA305	CPSA306	CPS0328	*L780*	*L797*	*L803*
49	*L826*	*L840*	*L847*	*L851*	*L859*	*L871*	PSRLEVEL	

75 PURGED IDENTS WERE FOUND

DECKS ARE LISTED IN THE ORDER OF THEIR OCCURRENCE ON A NEW PROGRAM LIBRARY IF ONE IS CREATED BY THIS UPDATE

1	YANK\$\$\$	HISTORY	COMCARG	COMCCDD	COMCCFD	COMCCIO	COMCCOD	COMCCPM		1
2	COMCCPT	COMCDXB	COMCMNS	COMCMOS	COMCMTM	COMCMTP	COMCMVE	COMCRDC		2
3	COMCRDH	COMCRDO	COMCRDS	COMCRDW	COMCRSR	COMCSFN	COMCSRT	COMCSST		3
4	COMCSTF	COMCSVR	COMCSYS	COMCUPC	COMCWOD	COMCWTC	COMCWTH	COMCWTO		4
5	COMCWTS	COMCWTW	COMCXJR	COMCZTB	CPUREL	CALLCPU	CWEOR	COMPCOM		5
6	COMPASS	AIDTEXT	NADTEXT	CWEOR2	CDCMOPT	CDCM				6
7										7
8										8
9										9
10	THIS UPDATE REQUIRED 62200B WORDS OF MEMORY.									10
11										11
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN HISTORY

HISTORY		ADDS ENTRY POINTS ARG= AND MFL= AND CHANGES COMPASS	CP139CP	6	A
HISTORY		RECORD TYPE FROM *OVL* TO *ABS*.	CP139CP	7	A
HISTORY		RHG. 75/10/23. COMPASS, COMPCOM.	CP139CP	8	A
HISTORY			CP139CP	9	A
HISTORY	CP147.	ADD *LDSET* PSEUDO OP.	CP147	1	A
HISTORY		VMA. 75/08/22. COMPASS.	CP147	2	A
HISTORY			CP147	3	A
HISTORY	CP154.	IMPLEMENT WEAK EXTERNALS (=Y SYMBOLS) FEATURE.	CP154	1	A
HISTORY		RHG. 75/09/24. COMPASS.	CP154	2	A
HISTORY			CP154	3	A
HISTORY	CPS085.	PREVENT ASSEMBLY ERRORS WHEN OPCODE FIELD GOES PAST	CPS085	1	A
HISTORY		DEFAULT COMMENT COLUMN.	CPS085	2	A
HISTORY		VMA. 75/10/03. COMPASS.	CPS085	3	A
HISTORY			CPS085	4	A
HISTORY	*L428*	*****	*L428*	1	A
HISTORY	CPS126.	FIX *OPSYN* TO ALLOW SPECIAL CHARACTERS IN THE OPCODE	CPS126	1	A
HISTORY		IN THE VARIABLE FIELD.	CPS126	2	A
HISTORY		VMA. 75/11/06. COMPASS.	CPS126	3	A
HISTORY			CPS126	4	A
HISTORY	CPS127.	FIX *SCAN IDENT CARD* SUBROUTINE SO ENTRY PARAMETER IN	CPS127	1	A
HISTORY		IDENT CARD IS FLAGGED ERRONEOUS FOR *PERIPH* PROGRAM.	CPS127	2	A
HISTORY		VMA. 75/11/06. COMPASS.	CPS127	3	A
HISTORY			CPS127	4	A
HISTORY	CPS130.	FIX COMCWTH SO COLONS ARE NOT OMITTED AT THE END OF	CPS130	1	A
HISTORY		LINE WHEN LISTING OUTPUT.	CPS130	2	A
HISTORY		VMA. 75/05/23. COMPASS.	CPS130	3	A
HISTORY			CPS130	4	A
HISTORY	CPS135.	PREVENT RECALL ERROR ON SCRATCH FILE ZZZZRL.	CPS135	1	A
HISTORY		RHG. 76/03/23. COMPASS.	CPS135	2	A
HISTORY			CPS135	3	A
HISTORY	CPS141.	CHANGE MSG= CORRESPONDING TO CHANGES IN *MESSAGE*	CPS141	1	A
HISTORY		MACRO INTRODUCED BY *KR12124*.	CPS141	2	A
HISTORY		RHG. 76/03/04. COMPASS, COMPCOM.	CPS141	3	A
HISTORY			CPS141	4	A
HISTORY	*L433*	*****	*L433*	1	A
HISTORY	*L439*	*****	*L439*	1	A
HISTORY	CPS150.	FIX ERRONEOUS COMMENT IN COMPCOM.	CPS150	1	A
HISTORY		VMA. 76/07/01. COMPASS, COMPCOM.	CPS150	2	A
HISTORY	CPS153.	MAKE CONTROL STATEMENT CONTINUATION WORK UNDER *NOS*.	CPS153	1	A
HISTORY		RHG. 76/07/07. COMPASS.	CPS153	2	A
HISTORY			CPS153	3	A
HISTORY	*L446*	*****	*L446*	1	A
HISTORY	CPS*77.	UPDATE COPYRIGHT NOTICE FOR YEAR 1977 IN COMPASS.	CPS*77	1	A
HISTORY		JEG. 76/10/26. COMPASS.	CPS*77	2	A
HISTORY			CPS*77	3	A
HISTORY	CPSVER34	UPGRADE COMPASS VERSION LEVEL.	CPSVER34	1	A
HISTORY		JEG. 76/10/29 COMPASS.77	CPSVER34	2	A
HISTORY			CPSVER34	3	A
HISTORY	CP161CP.	ADD LDSET KEYWORDS *EPT*, *NOEPT* TO SUPPORT FAST	CP161CP	1	A
HISTORY		DYNAMIC LOADER (FDL).	CP161CP	2	A
HISTORY		VMA. 76/04/05. COMPASS.	CP161CP	3	A
HISTORY	F7540CP.	MODIFICATIONS TO THE CONDITIONAL ASSEMBLY FOR CYBER 176	F7540CP	1	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN HISTORY

HISTORY	SUPPORT.	F7540CP	2	A
HISTORY	VMA. 76/09/22. COMPASS.	F7540CP	3	A
HISTORY		F7540CP	4	A
HISTORY	F7820CP CODE TO SUPPORT NEW COMMON MESSAGE MACRO	F7820CP	1	A
HISTORY	VMA. 76/11/09. COMCSYS,CPCOM	F7820CP	2	A
HISTORY		F7820CP	3	A
HISTORY	CPS146. AUGMENT SIZE OF CARD IMAGE BUFFER TO ALLOW FOR LONG	CPS146	1	A
HISTORY	LINES (UP TO 160 COLUMNS)	CPS146	2	A
HISTORY	VMA/JEG. 76/11/15. COMPASS.	CPS146	3	A
HISTORY		CPS146	4	A
HISTORY	CPS167. CODE TO CORRECT CONDITIONAL CODE FOR CYBER 176.	CPS167	1	A
HISTORY	VMA,JEG. 76/12/10. COMPASS.	CPS167	2	A
HISTORY		CPS167	3	A
HISTORY	*L452* *****	*L452*	1	A
HISTORY	CPS118X. THE FOLLOWING CODE FIXES *GSM* SO OPCODE ENTRIES	CPS118X	1	A
HISTORY	ARE NOT LOST WHEN TRANSFERED TO TEMTAB.	CPS118X	2	A
HISTORY	JEG. 77/02/17. COMPASS.	CPS118X	3	A
HISTORY		CPS118X	4	A
HISTORY	CPS173. CODE TO ALLOW USE OF DELIMITERS AS CHARACTERS WITHIN NAMES	CPS173	1	A
HISTORY	DURING LDSET OPTIONS *LIB,OMIT,USE,USEP, AND SUBST *.	CPS173	2	A
HISTORY	JEG. 77/03/18. COMPASS.	CPS173	3	A
HISTORY		CPS173	4	A
HISTORY	*L460* *****	*L460*	1	A
HISTORY	CPS076X. THIS CODE CORRECTS VFD SO THAT THE VALUE SENT TO PACKOR IS	CPS076X	1	A
HISTORY	CORRECTLY POSITIONED FOR PACKING INTO THE *OCTAL* AREA IN	CPS076X	2	A
HISTORY	PREPARATION FOR LISTING.	CPS076X	3	A
HISTORY	JEG. 77/03/08. COMPASS.	CPS076X	4	A
HISTORY		CPS076X	5	A
HISTORY	CPS144. CODE TO ALLOW COMPASS TO SKIP OVER STATEMENT PREFIXES SUCH AS	CPS144	1	A
HISTORY	KCL LABELS , \$ , AND /.	CPS144	2	A
HISTORY	JEG. 77/03/28 COMPASS.	CPS144	3	A
HISTORY		CPS144	4	A
HISTORY	CPS147X. CODE TO ALLOW VARIABLE SUBFIELDS OF AN INSTRUCTION TO BE	CPS147X	1	A
HISTORY	WRITTEN IN THE OPERATION FIELD WITH EACH SUBFIELD PRECEDED	CPS147X	2	A
HISTORY	BY A COMMA.	CPS147X	3	A
HISTORY	JEG. 77/04/26. COMPASS.	CPS147X	4	A
HISTORY		CPS147X	5	A
HISTORY	CPS151. ADD CODE TO PRINT ERROR MESSAGE AND ABORT COMPASS WHEN ILLEGAL	CPS151	1	A
HISTORY	PARAMETERS *X=0* AND *I=0* ARE ENCOUNTERED ON THE COMPASS	CPS151	2	A
HISTORY	CALL STATEMENT.	CPS151	3	A
HISTORY	JEG. 77/03/14. COMPASS.	CPS151	4	A
HISTORY		CPS151	5	A
HISTORY	CPS161. POSITION *VERSION* AND *PSRLEVEL* CORRECTLY IN PREFIX TABLE.	CPS161	1	A
HISTORY	JEG. 76/03/11. COMPASS.	CPS161	2	A
HISTORY		CPS161	3	A
HISTORY	CPS164X. CODE TO ALLOW USE OF *LDC* WITH NEGATIVELY RELOCATED SYMBOL.	CPS164X	1	A
HISTORY	JEG. 77/04/04 COMPASS.	CPS164X	2	A
HISTORY		CPS164X	3	A
HISTORY	CPS172. MAKE *XTEXT* WORK ON UPDATE OLDPL WHEN *COMDECK CARD	CPS172	1	A
HISTORY	HAS COMMON DECK NAME STARTING AFTER COLUMN 11.	CPS172	2	A
HISTORY	JEG. 77/04/19. COMPASS.	CPS172	3	A
HISTORY		CPS172	4	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN HISTORY

HISTORY	CPS176.	CODE TO CORRECTLY DETERMINE BLOCK COUNT OF PRESENT BLOCK GROUP	CPS176	1	A
HISTORY		WHEN TEST IS DONE FOR USETAB OVERFLOW.	CPS176	2	A
HISTORY		JEG. 77/05/04. COMPASS.	CPS176	3	A
HISTORY			CPS176	4	A
HISTORY	*L470*	*****	*L470*	1	A
HISTORY	FEAT184N	FEATURE CODE TO EXTEND LDSET OPTIONS TO INCLUDE COMMON, PS,	FEAT184	1	A
HISTORY		PD AND PRESET=DEBUG.	FEAT184	2	A
HISTORY		JEG. 77/05/24. COMPASS.	FEAT184	3	A
HISTORY			FEAT184	4	A
HISTORY	FEAT184NA	CORRECT VERSION NUMBER MICRO AND VERSION COMMENTS.	FEAT184	1	A
HISTORY		JEG. 77/08/26. COMPASS.	FEAT184	2	A
HISTORY			FEAT184	3	A
HISTORY	CPS*78.	UPDATE COPYRIGHT NOTICE FOR YEAR 1978 IN COMPASS.	CPS*78	1	A
HISTORY		JEG. 77/07/26. COMPASS.	CPS*78	2	A
HISTORY			CPS*78	3	A
HISTORY	CPSA070	ATTEMPTS TO PRESET DATA INTO BLANK LCM/ECS COMMON BLOCK	CPSA070	1	A
HISTORY		WAS NOT FLAGGED WITH *R* ERROR.	CPSA070	2	A
HISTORY		DBK 77/10/26 COMPASS PSR	CPSA070	3	A
HISTORY			CPSA070	4	A
HISTORY	CPSA083.	THIS CODE WILL PREVENT COMPASS FROM CREATING *FILL* TABLES	CPSA083	1	A
HISTORY		WITH A WORD COUNT GREATER THAN 7777B.	CPSA083	2	A
HISTORY		JEG. 77/09/05. COMPASS.	CPSA083	3	A
HISTORY			CPSA083	4	A
HISTORY	CPSA096.	THIS CODE CORRECTS A PROBLEM WHICH CAUSES ASSEMBLY ERRORS	CPSA096	1	A
HISTORY		IN THE RETURN MACRO WHEN ASSEMBLING COMPASS.	CPSA096	2	A
HISTORY		JEG. 77/09/19. COMPASS.	CPSA096	3	A
HISTORY			CPSA096	4	A
HISTORY	CPSA098	WHEN CHANGING PSR LEVEL OF COMPASS USING *ML* PARAMETER ON	CPSA098	1	A
HISTORY		COMPASS CALL STATEMENT, WARNING MESSAGE WILL RESULT AND BAD	CPSA098	2	A
HISTORY		PREFIX TABLE WILL BE OUTPUT.	CPSA098	3	A
HISTORY		DBK 77/09/22 COMPASS PSR	CPSA098	4	A
HISTORY			CPSA098	5	A
HISTORY	CPSA097.	THIS CORRECTION SET MAKES SURE THAT THE COMPASS DOCK	CPSA097	1	A
HISTORY		OUTPUT IS IN AN ACCEPTABLE (READABLE) FORMAT.	CPSA097	2	A
HISTORY		RLD. 08/30/77. COMPASS.	CPSA097	3	A
HISTORY			CPSA097	4	A
HISTORY	CPS076X.	CODE TO CORRECT LISTING PROBLEM CAUSED BY VFD WHEN VALUE IS	CPSA094	1	A
HISTORY		OUTPUTTED AT BOTTOM OF WORD.	CPSA094	2	A
HISTORY		JEG. 77/08/26. COMPASS.	CPSA094	3	A
HISTORY			CPSA094	4	A
HISTORY	CPS168.	CODE TO CORRECT COMPASS SO THAT CONTINUATION CARDS OF LESS	CPS168	1	A
HISTORY		THAN 10 CHARACTERS WILL BE CORRECTLY PROCESSED.	CPS168	2	A
HISTORY		JEG. 77/08/30. COMPASS.	CPS168	3	A
HISTORY			CPS168	4	A
HISTORY		COMMON DECKS ON THE COMPASS PL ARE MODIFIED AS FOLLOWS --	CPSA104	1	A
HISTORY		1) COMCMTP IS MODIFIED TO MOVE TABLES PROPERLY,	CPSA104	2	A
HISTORY		2) COMCSRT IS MODIFIED TO USE REGISTERS AS DOCUMENTED,	CPSA104	3	A
HISTORY		3) COMCCPT IS MODIFIED TO MOVE PREFIX TABLE COMMENT	CPSA104	4	A
HISTORY		FIELDS PROPERLY,	CPSA104	5	A
HISTORY		4) COMCRSR AND COMCSVN COMMENTS ARE CHANGED TO INDICATE	CPSA104	6	A
HISTORY		AUTHOR UNKNOWN,	CPSA104	7	A
HISTORY		5) VARIOUS DECKS ARE MODIFIED TO ALLOW PROPER FUNCTIONING	CPSA104	8	A
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN HISTORY

HISTORY	WITH THE SUBR MACRO FROM EITHER CPUTEXT OR NOSTEXT.	CPSA104	CPSA104	9	A
1 HISTORY	CJL 77/12/06 CPUREL,CALLCPU PSR	CPSA104	CPSA104	10	A
2 HISTORY		CPSA104	CPSA104	11	A
3 HISTORY	CPSA107 *COMCRDW* IS MODIFIED TO RETURN *EOI* STATUS PROPERLY.	CPSA107	CPSA107	1	A
4 HISTORY	CJL 78/01/19 CALLCPU,CPUREL PSR	CPSA107	CPSA107	2	A
5 HISTORY		CPSA107	CPSA107	3	A
6 HISTORY	*L477* *****		*L477*	1	A
7 HISTORY	CPSA106. THIS CODE WILL PREVENT COMPASS FROM CREATING A *XFILL* TABLE	CPSA106		1	A
8 HISTORY	WITH A WORD COUNT GREATER THAN 7777B.	CPSA106		2	A
9 HISTORY	JEG. 78/01/27. COMPASS.	CPSA106		3	A
10 HISTORY		CPSA106		4	A
11 HISTORY	CPS188 A *DECMIC* PSEUDO INSTRUCTION WITH A TEN DIGIT NUMBER	CPS188		1	A
12 HISTORY	DEFINED THE MICRO WITH THE WRONG VALUE.	CPS188		2	A
13 HISTORY	DBK 78/01/03 COMPASS PSR	CPS188		3	A
14 HISTORY		CPS188		4	A
15 HISTORY	CPS192. THIS CODE PREVENTS THE OCCURANCE OF A MODE 1 ERROR CAUSED	CPS192		1	A
16 HISTORY	BY THE COMBINATION OF COMPRESSED MODIFY INPUT AND A SEQUENCE	CPS192		2	A
17 HISTORY	MICRO.	CPS192		3	A
18 HISTORY	JEG. 78/01/27. COMPASS.	CPS192		4	A
19 HISTORY		CPS192		5	A
20 HISTORY	CPSA112 BLANKS WERE NOT SQUEEZED OUT OF VERB(*COMPASS*) ON *NOS*	CPSA112		1	A
21 HISTORY	WHEN PROCESSING CONTROL STATEMENT.	CPSA112		2	A
22 HISTORY	DBK 78/03/13 COMPASS PSR	CPSA112		3	A
23 HISTORY		CPSA112		4	A
24 HISTORY	CPS198. PREVENT COMPASS FROM PRINTING AN EXTRA LINE WHEN CALLED BY	CPS198		1	A
25 HISTORY	A FORTRAN PROGRAM WHICH HAD A L=LFN ON IT'S CONTROL CARD CALL.	CPS198		2	A
26 HISTORY	JEG. 78/04/03. COMPASS.	CPS198		3	A
27 HISTORY		CPS198		4	A
28 HISTORY	*L485* *****	*L485*		1	A
29 HISTORY	F4720A THE COMMON COMMON DECKS ARE CHANGED TO DOCUMENT SOME GENERAL	F4720A		1	A
30 HISTORY	RESTRICTIONS WHICH APPLY TO ALL THE DECKS AND TO ADD COMMENTS	F4720A		2	A
31 HISTORY	TO MAKE THE DECKS MORE READABLE AND MAINTAINABLE.	F4720A		3	A
32 HISTORY	CJL 78/04/11 CALLCPU	F4720A		4	A
33 HISTORY		F4720A		5	A
34 HISTORY	F4720B THE COMMON COMMON DECKS WHICH DO NOT APPLY TO SCOPE 2 ARE	F4720B		1	A
35 HISTORY	OMITTED UNDER SCOPE 2 VIA AN UPDATE DEFINE DIRECTIVE.	F4720B		2	A
36 HISTORY	RLD 78/04/11 CALLCPU,CPUREL	F4720B		3	A
37 HISTORY		F4720B		4	A
38 HISTORY	F4720C COMMON DECKS *COMCMOS* AND *COMCMNS* ARE ADDED TO	F4720C		1	A
39 HISTORY	THE COMMON COMMON DECKS.	F4720C		2	A
40 HISTORY	CJL 78/05/10 CALLCPU,CPUREL	F4720C		3	A
41 HISTORY		F4720C		4	A
42 HISTORY	F4720D. CODE ENABLES USERS TO CALL COMMON COMDECKS BY ENTRY POINT	F4720D		1	A
43 HISTORY	NAMES WITH AND WITHOUT EQUAL SIGNS APPENDED.	F4720D		2	A
44 HISTORY	RLD. 09/01/78. COMPASS.	F4720D		3	A
45 HISTORY		F4720D		4	A
46 HISTORY	F4810A. FEATURE CODE TO ENABLE PRINT DENSITY AND PAGE SIZE TO BE	F4810A		1	A
47 HISTORY	SPECIFIED AT ASSEMBLY TIME.	F4810A		2	A
48 HISTORY	JEG. 78/06/16. COMPASS.	F4810A		3	A
49 HISTORY		F4810A		4	A
50 HISTORY	F4810B. FEATURE CODE TO ENABLE COMPASS TO DYNAMICALLY MANAGE ITS FL.	F4810B		1	A
51 HISTORY	JEG. 78/06/16. COMPASS.	F4810B		2	A
52					
53	0 1 2 3 4 5 6 7 8				
54	123456789012345678901234567890123456789012345678901234567890				
55					
56					
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN HISTORY

HISTORY		F4810B	F4810B	3	A
1	HISTORY	CPSA115. CODE TO ENSURE THAT *END* EXISTS IN OPTAB WHEN AN EOR IS	CPSA115	1	A
2	HISTORY	ENCOUNTERED ON THE INPUT FILE. THIS CODE ALSO REMOVES UNUSED	CPSA115	2	A
3	HISTORY	6RM CODE FROM XTEXT AND RNC.	CPSA115	3	A
4	HISTORY	JEG. 77/07/05. COMPASS.	CPSA115	4	A
5	HISTORY		CPSA115	5	A
6	HISTORY	CPS202. CODE TO ENABLE PURGMAC TO REMOVE MACROS WHICH TERMINATE WITH	CPS202	1	A
7	HISTORY	AN ASTERISK.	CPS202	2	A
8	HISTORY	JEG. 05/08/78. COMPASS.	CPS202	3	A
9	HISTORY		CPS202	4	A
10	HISTORY	CPSA117. CORRECTIVE CODE ENSURES THAT COMPASS DOES NOT RECEIVE	CPSA117	1	A
11	HISTORY	ASSEMBLY ERRORS WHEN COMPASS IS BEING ASSEMBLED.	CPSA117	2	A
12	HISTORY	RLD. 07/24/78. COMPASS.	CPSA117	3	A
13	HISTORY		CPSA117	4	A
14	HISTORY	CPSA119. THIS CODE ENABLES COMPASS TO OPEN (ON SCOPE2) THE OUTPUT	CPSA119	1	A
15	HISTORY	FILE FOR I/O.	CPSA119	2	A
16	HISTORY	JEG. 08/11/78. COMPASS.	CPSA119	3	A
17	HISTORY		CPSA119	4	A
18	HISTORY	CPSA123. CODE TO ENSURE THAT RDC WILL TRANSFER DATA TO THE END OF THE	CPSA123	1	A
19	HISTORY	LINE IF NO WORD COUNT IS SPECIFIED.	CPSA123	2	A
20	HISTORY	JEG. 10/27/78. COMPASS.	CPSA123	3	A
21	HISTORY		CPSA123	4	A
22	HISTORY	CPSA125. THIS CODE CORRECTS DEGRADATIONS CREATED BY THE COMPASS DYN.	CPSA125	1	A
23	HISTORY	FL. MGMT. CODE.	CPSA125	2	A
24	HISTORY	JEG. 11/09/78. COMPASS.	CPSA125	3	A
25	HISTORY		CPSA125	4	A
26	HISTORY	CPSA126. CODE TO INSURE THAT SPACE BETWEEN CP.NFLS AND CP.AFLS IS	CPSA126	1	A
27	HISTORY	PROPERLY RESTORED WHEN COMPASS RETURNS CONTROL TO A CALLING	CPSA126	2	A
28	HISTORY	COMPILER.	CPSA126	3	A
29	HISTORY	JEG. 11/09/78. COMPASS.	CPSA126	4	A
30	HISTORY		CPSA126	5	A
31	HISTORY	*L498* *****	*L498*	1	A
32	HISTORY	CPS*79. UPDATE COPYRIGHT NOTICE FOR YEAR 1979 IN COMPASS.	CPS*79	1	A
33	HISTORY	JEG. 78/12/27. COMPASS.	CPS*79	2	A
34	HISTORY		CPS*79	3	A
35	HISTORY	CPSA129. CODE TO PREVENT *LOST REFERENCES* ON NOS.	CPSA129	1	A
36	HISTORY	JEG. 12/09/78. COMPASS.	CPSA129	2	A
37	HISTORY		CPSA129	3	A
38	HISTORY	CPSA133. CODE TO PREVENT ASSEMBLY ERRORS IN COMCMTP WHEN ASSEMBLING	CPSA133	1	A
39	HISTORY	WITH NOSTEXT.	CPSA133	2	A
40	HISTORY	JEG. 12/26/78. COMCMTP.	CPSA133	3	A
41	HISTORY		CPSA133	4	A
42	HISTORY	CPSA138. CODE ENSURES THAT COMPASS FLUSHES ITS OUTPUT	CPSA138	1	A
43	HISTORY	BUFFERS BEFORE RETURNING CONTROL TO A CALLING COMPILER.	CPSA138	2	A
44	HISTORY	JEG. 03/29/79. COMPASS.	CPSA138	3	A
45	HISTORY		CPSA138	4	A
46	HISTORY	*L505* *****	*L505*	1	A
47	HISTORY	CPSA132. CODE TO PREVENT ASSEMBLY ERRORS WHEN ASSEMBLING COMPASS IN	CPSA132	1	A
48	HISTORY	DEBUG MODE.	CPSA132	2	A
49	HISTORY	JEG. 12/26/78. COMPASS.	CPSA132	3	A
50	HISTORY		CPSA132	4	A
51	HISTORY	CPSA134. THIS CODE MODIFIES COMPASS CONDITIONAL CODE SO THAT	CPSA134	1	A
52					
53		0 1 2 3 4 5 6 7 8			
54		123456789012345678901234567890123456789012345678901234567890			
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN HISTORY

	HISTORY		THE CONDITIONAL TESTS REFLECT THE ACTUAL HARDWARE FEATURE OR	CPSA134	2	A
1	HISTORY		SYSTEM WHICH CODE IS ASSEMBLED FOR.	CPSA134	3	A
2	HISTORY		JEG. 03/16/79. COMPASS.	CPSA134	4	A
3	HISTORY			CPSA134	5	A
4	HISTORY	CPSA142.	CODE TO ADD *E* PARAMETER TO LIST OF COMPASS CONTROL	CPSA142	1	A
5	HISTORY		CARD PARAMETERS.	CPSA142	2	A
6	HISTORY		JEG. 05/08/79. COMPASS.	CPSA142	3	A
7	HISTORY			CPSA142	4	A
8	HISTORY	CPS186	NEGATIVE ADDRESS ON *ORG* WAS NOT DIAGNOSED WITH ERROR.	CPS186	1	A
9	HISTORY		RLD 78/12/06 COMPASS PSR	CPS186	2	A
10	HISTORY			CPS186	3	A
11	HISTORY	CPS191	CORRECTS ABORT TO SKIP TO EXIT(S) RATHER THAN EXIT AT	CPS191	1	A
12	HISTORY		END OF RUN WHEN A OPTION IS SPECIFIED.	CPS191	2	A
13	HISTORY		CJC 4/10/79 COMPASS	CPS191	3	A
14	HISTORY			CPS191	4	A
15	HISTORY	CPS213	MODIFY COMPRESSED CARD INPUT CAUSED GARBLED SEQUENCE	CPS213	1	A
16	HISTORY		NUMBERS ON MICRO EXPANSIONS WITH *A* LIST OPTION TURNED ON.	CPS213	2	A
17	HISTORY		JEG 78/12/15 COMPASS PSR	CPS213	3	A
18	HISTORY			CPS213	4	A
19	HISTORY	CPS216	ALTERNATE FORM OF OPDEF CALL WITH VARIABLE SUBFIELDS NEXT TO	CPS216	1	A
20	HISTORY		OPERATION FIELD SEPERATED BY A COMMA DID NOT SUBSTITUTE	CPS216	2	A
21	HISTORY		PROPERLY.	CPS216	3	A
22	HISTORY		DBK 78/12/28 COMPASS PSR	CPS216	4	A
23	HISTORY			CPS216	5	A
24	HISTORY	CPS218	SYMBOLS USED TO DEFINE A MICRO STRING DID NOT APPEAR IN	CPS218	1	A
25	HISTORY		THE CROSS REFERENCE MAP.	CPS218	2	A
26	HISTORY		DBK 78/12/28 COMPASS PSR	CPS218	3	A
27	HISTORY			CPS218	4	A
28	HISTORY	CPS227.	CODE ENSURES THAT THE CORRECT LENGTH IS STORED FOR ALL	CPS227	1	A
29	HISTORY		SEGMENTS WHEN THE SEGMENT TABLE IS RELOCATED.	CPS227	2	A
30	HISTORY		JEG. 03/06/79. COMPASS.	CPS227	3	A
31	HISTORY			CPS227	4	A
32	HISTORY	*L508*	*****	*L508*	1	A
33	HISTORY	CPSA141	CHANGES COMPASS TO CHECK FOR INPUT BEFORE SETTING UP TABLES.	CPSA141	1	A
34	HISTORY		THIS CHANGE REQUIRES A REFERENCE MANUAL CHANGE SINCE COMPASS	CPSA141	2	A
35	HISTORY		WILL GENERATE NO OUTPUT FILE WHEN USED ON AN EMPTY INPUT FILE.	CPSA141	3	A
36	HISTORY		CJC 05/09/79 COMPASS	CPSA141	4	A
37	HISTORY			CPSA141	5	A
38	HISTORY	CPSA163.	THIS CODE VOIDS THE INSTRUCTION STACK IN COMMON COMDECKS	CPSA163	1	A
39	HISTORY		COMCMVE, COMCRDW, AND COMCWTW IN CONFORMANCE WITH DESIGN	CPSA163	2	A
40	HISTORY		DOCUMENT S2658.	CPSA163	3	A
41	HISTORY		MAH/CJC 020CT79 COMPASS PSR	CPSA163	4	A
42	HISTORY			CPSA163	5	A
43	HISTORY	CPSA168.	THIS CODE ALLOWS FTN TO CLOSE ALL ITS OWN FILES WHEN COMPASS	CPSA168	1	A
44	HISTORY		IS THE LAST SUBPROGRAM IN A FTN CALLED ASSEMBLY.	CPSA168	2	A
45	HISTORY		ALSO CHECKS FOR *OPEN* RATHER THAN *WRITTEN TO* BEFORE CLOSING	CPSA168	3	A
46	HISTORY		THE LISTING FILE.	CPSA168	4	A
47	HISTORY		CJC 100CT79 COMPASS	CPSA168	5	A
48	HISTORY			CPSA168	6	A
49	HISTORY	CPS219A.	THIS IDENT PURGES CPS219.	CPS219A	1	A
50	HISTORY		CJC. 08/19/79. COMPASS.	CPS219A	2	A
51	HISTORY			CPS219A	3	A
52						
53		0	1	2	3	4
54		1234567890123456789012345678901234567890123456789012345678901234567890				
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN HISTORY

HISTORY	CPS234	CORRECT COMPASS LINE NUMBER REPORTING FOR CROSS REFERENCE LIST	CPS234	1	A
HISTORY		WHEN REFERENCES ARE IN UNLISTED LINES.	CPS234	2	A
HISTORY	CJC	18MAY79 COMPASS	CPS234	3	A
HISTORY			CPS234	4	A
HISTORY	CPS239.	SIGNAL T (8 LPI) AFTER THE DECKNAME ON OUTPUT FILE.	CPS239	1	A
HISTORY	CJC	7AUG79 COMPASS PSR	CPS239	2	A
HISTORY			CPS239	3	A
HISTORY	CPS243.	THIS CODE CHECKS A FL PROBLEM IN ALC. IT WAS SUBTRACTING	CPS243	1	A
HISTORY		THE REQUESTED SPACE TWICE.	CPS243	2	A
HISTORY	CJC	6/20/79 COMPASS PSR	CPS243	3	A
HISTORY			CPS243	4	A
HISTORY	CPS247.	THIS CODE CORRECTS SUBROUTINE DFL (DECREASE FL) TO DECREASE FL	CPS247	1	A
HISTORY		INSTEAD OF SET IT TO A MINIMUM OF 60K.	CPS247	2	A
HISTORY	CJC	27JUN79 COMPASS	CPS247	3	A
HISTORY			CPS247	4	A
HISTORY	CPSA158.	THIS CODE CHECKS FOR AN EMPTY CONTINUATION LINE	CPSA158	1	A
HISTORY		SPECIFICALLY ON SCOPE 2 SYSTEMS.	CPSA158	2	A
HISTORY	CJC	17OCT79 COMPASS PSR	CPSA158	3	A
HISTORY			CPSA158	4	A
HISTORY	CPSA161.	THIS CODE CHANGES OBSOLETE MESSAGE *IDENT CARD MISSING*	CPSA161	1	A
HISTORY		TO *IDENT STATEMENT MISSING* AS STATED IN THE REFERENCE	CPSA161	2	A
HISTORY		MANUAL.	CPSA161	3	A
HISTORY	CJC	21SEP79 COMPASS PSR	CPSA161	4	A
HISTORY			CPSA161	5	A
HISTORY	CPS236.	CHANGE COMPASS TO PRINT CARRIAGE CONTROL CHARACTER ONLY WHEN	CPS236	1	A
HISTORY		8 LPI IS REQUESTED (BY DEFAULT OR OTHERWISE), AND RESET	CPS236	2	A
HISTORY		PRINTER TO 6 LPI UPON FINISHING ASSEMBLY, IF NECESSARY.	CPS236	3	A
HISTORY	CJC	03OCT79 COMPASS PSR	CPS236	4	A
HISTORY			CPS236	5	A
HISTORY	CPS240.	CHANGE ASSEMBLY MODEL MESSAGE TO INDICATE TYPE RATHER THAN	CPS240	1	A
HISTORY		INCORRECT MODEL NUMBER.	CPS240	2	A
HISTORY	CJC	15OCT79 COMPASS PSR	CPS240	3	A
HISTORY			CPS240	4	A
HISTORY	CPS*80.	UPDATE COPYRIGHT NOTICE FOR YEAR 1980 IN COMPASS.	CPS*80	1	A
HISTORY	CJC.	5NOV79 COMPASS.	CPS*80	2	A
HISTORY			CPS*80	3	A
HISTORY	*L518*	*****	*L518*	1	A
HISTORY	*L528*	*****	*L528*	1	A
HISTORY	CPS251	ENTRY. REMOVE N ERROR FOR NEGATIVE PROGRAM RELOCATION	CPS251	1	A
HISTORY		ON ENTRY.	CPS251	2	A
HISTORY	MAH	79/11/16 APPLIES TO COMPASS 3.6 .	CPS251	3	A
HISTORY			CPS251	4	A
HISTORY	F4820.	FEATURE CODE TO ALLOW 8 BIT ASSEMBLY FOR NETWORK ACCESS	F4820	1	A
HISTORY		DEVICE(NAD), MOTOROLA 6800 AND INTEL 8080.	F4820	2	A
HISTORY	RAW	11/07/79 COMPASS	F4820	3	A
HISTORY			F4820	4	A
HISTORY	F4820A.	CODE TO ALLOW REVERSE ADDRESSING MODE FOR 8080.	F4820A	1	A
HISTORY	RAW	02/01/80 COMPASS	F4820A	2	A
HISTORY			F4820A	3	A
HISTORY	RSM4159	ALLOW 255 BLOCKS PER IDENT, NOT JUST PER ASSEMBLY.	RSM4159	1	A
HISTORY		CUSTOMER RECOMMENDED CODE.	RSM4159	2	A
HISTORY	CJC	7FEB80 COMPASS	RSM4159	3	A

0 1 2 3 4 5 6 7 8  
123456789012345678901234567890123456789012345678901234567890



## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN HISTORY

	HISTORY				RSM4159	4	A	
1	HISTORY	F233CMU	INCORPORATE CMU CODE INTO *COMCMNS* SUCH THAT		F233CMU	1	A	1
2	HISTORY		ON A CYBER 172/173/174 WITH CMU CHARACTER MOVES		F233CMU	2	A	2
3	HISTORY		OVER 30 CHARACTERS WILL USE THE CMU.		F233CMU	3	A	3
4	HISTORY		LDH 11/28/80 COMCMNS		F233CMU	4	A	4
5	HISTORY				F233CMU	5	A	5
6	HISTORY	SIE7969.	THIS CODE ELIMINATES UNNECESSARY REQUESTS FOR FL EQUAL TO		SIE7969	1	A	6
7	HISTORY		CURRENT FL.		SIE7969	2	A	7
8	HISTORY		CJC 12DEC79 COMPASS (RFL) PSR		SIE7969	3	A	8
9	HISTORY				SIE7969	4	A	9
10	HISTORY	CPSA116	ENSURE THAT THE INTERMEDIATE FILE IS CORRECTLY POSITIONED		CPSA116	1	A	10
11	HISTORY		BEFORE THE INTER TABLE IS DUMPED TO IT.		CPSA116	2	A	11
12	HISTORY		CJC 4MAR80 COMPASS		CPSA116	3	A	12
13	HISTORY				CPSA116	4	A	13
14	HISTORY	CPSA140	COMPASS. AVOID SPURIOUS R ERRORS IN PROGRAMS WITH		CPSA140	1	A	14
15	HISTORY		OPERATIONS WHICH VIOLATE *MACHINE*. DO NOT ASSUME THESE		CPSA140	2	A	15
16	HISTORY		INSTRUCTIONS ARE 30-BIT IN PASS 2, BUT PROCESS NORMALLY.		CPSA140	3	A	16
17	HISTORY		MAH 1/12/80 APPLIES TO COMPASS 3.6 .		CPSA140	4	A	17
18	HISTORY				CPSA140	5	A	18
19	HISTORY	CPSA148	COMCRDH. AVOID STORING INTO WORKING BUFFER-1.		CPSA148	1	A	19
20	HISTORY		THIS IS ANALOG OF NOS IDENT CRDH1.		CPSA148	2	A	20
21	HISTORY		MAH 11/20/79 APPLIES TO COMMON COMMON DECKS.		CPSA148	3	A	21
22	HISTORY				CPSA148	4	A	22
23	HISTORY	CPSA169.	COMPASS WAS GETTING AN RM142 ERROR ON GET DUE TO INCORRECT		CPSA169	1	A	23
24	HISTORY		FL MANAGEMENT ON SCOPE 2 SYSTEMS WHILE READING SYSTEXT.		CPSA169	2	A	24
25	HISTORY		THIS IDENT REMOVES UNNECESSARY GET AND FETCH.		CPSA169	3	A	25
26	HISTORY		CJC 26NOV79 COMPASS PSR		CPSA169	4	A	26
27	HISTORY				CPSA169	5	A	27
28	HISTORY	CPS214	ARG. DIAGNOSE CONTROL CARD OPTION APPEARING TWICE.		CPS214	1	A	28
29	HISTORY		MAH 01/10/79 APPLIES TO COMPASS 3.6 .		CPS214	2	A	29
30	HISTORY				CPS214	3	A	30
31	HISTORY	CPSA181.	THIS CODE ADDS THE BL PARAMETER IN CONFORMANCE WITH DAP S1295.		CPSA181	1	A	31
32	HISTORY		THE *N* OPTION IS CHANGED TO CONTROL (SUPPRESS) ONLY EXPLICIT		CPSA181	2	A	32
33	HISTORY		PAGE EJECTS. DEFAULT VALUE OF BL IS OFF (0), THEREFORE		CPSA181	3	A	33
34	HISTORY		LISTINGS WILL BE CONDENSED.		CPSA181	4	A	34
35	HISTORY		CJC 20MAR80 COMPASS PSR		CPSA181	5	A	35
36	HISTORY				CPSA181	6	A	36
37	HISTORY	CPSA184	COMPASS WAS RESETTNG UP THE E FET WHEN CALLED BY FTN MORE		CPSA184	1	A	37
38	HISTORY		THAN ONCE.		CPSA184	2	A	38
39	HISTORY		MAH-CJC12FEB80 COMPASS		CPSA184	3	A	39
40	HISTORY				CPSA184	4	A	40
41	HISTORY	CPSA187	COMCRDW IS CHANGED WITH THIS CODE TO CHECK FOR ZERO		CPSA187	1	A	41
42	HISTORY		WORD COUNT ON ENTRY.		CPSA187	2	A	42
43	HISTORY		CJC 6MAY80 COMCRDW		CPSA187	3	A	43
44	HISTORY				CPSA187	4	A	44
45	HISTORY	CPSA195	THIS CODE CORRECTS THE INDEXING OF USETAB FROM 6 TO 4		CPSA195	1	A	45
46	HISTORY		IN BCU PROCESSING, ALLOWING CORRECT PROGRAM LENGTH REPORTING.		CPSA195	2	A	46
47	HISTORY		CJC 17JUNE80 COMPASS		CPSA195	3	A	47
48	HISTORY				CPSA195	4	A	48
49	HISTORY	CPSA196.	REMOVE UNNECESSARY CONDITIONAL CODE.		CPSA196	1	A	49
50	HISTORY		CJC 24JUN80 COMPASS		CPSA196	2	A	50
51	HISTORY				CPSA196	3	A	51

[illegible]

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN HISTORY

HISTORY	CPSA204.	CHANGE COMCSRT TO SUPPORT UPDATE PROGRAM LIBRARY DETECTION.	CPSA204	1	A
HISTORY	UTLA067	WILL HAVE TO BE INSTALLED WHEN THIS CHANGE IS MADE.	CPSA204	2	A
HISTORY	CJC	26AUG80 COMCSRT	CPSA204	3	A
HISTORY			CPSA204	4	A
HISTORY	CPS232	PULL. AVOID SIGN EXTENDING FIELD RESIDING AT TOP	CPS232	1	A
HISTORY		OF WORD. THIS PREVENTS BAD *BASE* MICRO WITH OVER	CPS232	2	A
HISTORY		30 BASES STACKED. AND PROBABLY OTHER BAD STUFF TOO.	CPS232	3	A
HISTORY	MAH	11/17/79 APPLIES TO COMPASS 3.6 .	CPS232	4	A
HISTORY			CPS232	5	A
HISTORY	CPS0253	COMPASS/EXT. DIAGNOSE MORE THAN 511 EXTERNAL SYMBOLS.	CPS0253	1	A
HISTORY	MAH	1/11/80 APPLIES TO COMPASS 3.6 .	CPS0253	2	A
HISTORY			CPS0253	3	A
HISTORY	CPS254	COMPASS/MCLE. DIAGNOSE IMPROPER SYNTAX ON MACROE CALL.	CPS254	1	A
HISTORY	MAH	1/3/80 APPLIES TO COMPASS 3.6 .	CPS254	2	A
HISTORY			CPS254	3	A
HISTORY	CPS0257	COMPASS/UCARD. AVOID MODE 1 PROCESSING CARD OUTSIDE OF	CPS0257	1	A
HISTORY		MACRO BODY WITH A SEMICOLON CHARACTER.	CPS0257	2	A
HISTORY		THIS ERROR IS INTERMITTANT AND FIELD LENGTH (RELEASE LEVEL)	CPS0257	3	A
HISTORY		SENSITIVE.	CPS0257	4	A
HISTORY	MAH	1/10/80 APPLIES TO COMPASS 3.6 .	CPS0257	5	A
HISTORY			CPS0257	6	A
HISTORY	CPS258	PASS0. DIAGNOSE CONFLICTING USE OF FILE FOR PAIR OF	CPS258	1	A
HISTORY		LIST/INPUT/BINARY/XTEXT.	CPS258	2	A
HISTORY	MAH	11/17/79 APPLIES TO COMPASS 3.6 .	CPS258	3	A
HISTORY			CPS258	4	A
HISTORY	CPS0263	BY MASKING OFF THE NOREF BIT, IF ANY, THIS CODE PLACES	CPS0263	1	A
HISTORY		THE PROPER QUALIFIER NAME INTO A QUAL MICRO SUBSTITUTION.	CPS0263	2	A
HISTORY	DLD	23APR80 COMPASS PSR	CPS0263	3	A
HISTORY			CPS0263	4	A
HISTORY	CPS0267	THIS CODE WILL ENABLE A COLON TO BE A USABLE	CPS0267	1	A
HISTORY		MACRO SEPARATOR FOR BOTH 63 AND 64 CHARACTER SETS	CPS0267	2	A
HISTORY	DLD	20MAR80 COMPASS PSR	CPS0267	3	A
HISTORY			CPS0267	4	A
HISTORY	*L538*	*****	*L538*	1	A
HISTORY	CPS*81.	UPDATE COPYRIGHT NOTICE FOR YEAR 1981 IN COMPASS.	CPS*81	1	A
HISTORY	CJC	25JUL80 COMPASS	CPS*81	2	A
HISTORY			CPS*81	3	A
HISTORY	CPSA197	CORRECTS PPTYPE TESTING FOR BCU/MCU TYPES.	CPSA197	1	A
HISTORY	CJC	8JUL80 COMPASS	CPSA197	2	A
HISTORY			CPSA197	3	A
HISTORY	CPSA198	REPLACE PACK0 TO EFFICIENTLY HANDLE BOTH HEX	CPSA198	1	A
HISTORY		AND OCTAL CONVERSIONS.	CPSA198	2	A
HISTORY	CJC	16SEP80 COMPASS	CPSA198	3	A
HISTORY			CPSA198	4	A
HISTORY	CPSA200	CORRECT LISTING PROBLEM IN SYMBOLIC REFERENCE TABLE	CPSA200	1	A
HISTORY		INTRODUCED BY F4820. SAVE CONTENTS OF X2 IN PRT, ALSO USED	CPSA200	2	A
HISTORY		BY PACK0, SO THE BLOCK NAMES GET PRINTED ON THE LISTING.	CPSA200	3	A
HISTORY	CJC	24JUL80 COMPASS	CPSA200	4	A
HISTORY			CPSA200	5	A
HISTORY	CPSA210	COMCSRT WAS CHECKING INCORRECTLY FOR ALPHANUMERIC CHARACTERS,	CPSA210	1	A
HISTORY		WHILE OBTAINING THE PROCEDURE NAME.	CPSA210	2	A
HISTORY	CJC	9OCT80 COMCSRT	CPSA210	3	A
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN HISTORY

	HISTORY					CPSA210	4	A	
1	HISTORY	CPSA213	CHANGE TESTS FOR HEX ASSEMBLY SO ONLY PPTYPE OF -1 OR -2			CPSA213	1	A	1
2	HISTORY		ARE RECOGNIZED AS HEX.			CPSA213	2	A	2
3	HISTORY	CJC	21OCT80	COMPASS		CPSA213	3	A	3
4	HISTORY					CPSA213	4	A	4
5	HISTORY	CPSA214.	LCM INSTRUCTIONS WERE BEING REDEFINED FOR ALL			CPSA214	1	A	5
6	HISTORY		MACHINES UNCONDITIONALLY DUE TO F4830CP CHANGES.			CPSA214	2	A	6
7	HISTORY		F4830CP MUST PRECEDE THIS CODE.			CPSA214	3	A	7
8	HISTORY	CJC	30OCT80	COMPASS		CPSA214	4	A	8
9	HISTORY					CPSA214	5	A	9
10	HISTORY	CPS0275	THIS WILL WRITE THE MICRO TO THE INTERMEDIATE FILE SO THE			CPS0275	1	A	10
11	HISTORY		SYMBOLS USED BY THE MICRO CAN BE X-REFERENCED WITH OUT BEING LISTED			CPS0275	2	A	11
12	HISTORY	DLD	16MAY80	COMPASS PSR		CPS0275	3	A	12
13	HISTORY					CPS0275	4	A	13
14	HISTORY	CPS0278	COMCUPC WAS NOT TESTING FOR ILLEGAL CHARACTERS 60B-77B.			CPS0278	1	A	14
15	HISTORY	CJC	7JUL80	COMCUPC		CPS0278	2	A	15
16	HISTORY					CPS0278	3	A	16
17	HISTORY	CPS0279	CORRECT COMCDXB RADIX CHECK WHEN DXB1\$ IS DEFINED.			CPS0279	1	A	17
18	HISTORY		CUSTOMER RECOMMENDED CODE.			CPS0279	2	A	18
19	HISTORY	CJC	1AUG80	COMCDXB		CPS0279	3	A	19
20	HISTORY					CPS0279	4	A	20
21	HISTORY	CPS0281	CORRECT COMCSRT TO RETURN VALUE 16 ON PROC RECORDS.			CPS0281	1	A	21
22	HISTORY	CJC	28JUL80	COMPASS		CPS0281	2	A	22
23	HISTORY					CPS0281	3	A	23
24	HISTORY	*L552*	*****			*L552*	1	A	24
25	HISTORY	CPSA175.	ON MICRO EXPANSIONS SPURIOUS COLONS AND CONTINUATION			CPSA175	1	A	25
26	HISTORY		LINE WERE BEING ADDED TO STATEMENT.			CPSA175	2	A	26
27	HISTORY	CJC	6JAN81	COMPASS		CPSA175	3	A	27
28	HISTORY					CPSA175	4	A	28
29	HISTORY	CPSA186.	WHEN A SYMBOL IS REFERENCED INSIDE A MACRO CALL,			CPSA186	1	A	29
30	HISTORY		AND THE MACRO IS NOT LISTED, BE SURE CORRECT PAGE/LINE			CPSA186	2	A	30
31	HISTORY		NUMBERS ARE ENTERED IN THE REFERENCE TABLE.			CPSA186	3	A	31
32	HISTORY	CJC	31MAR81	COMPASS		CPSA186	4	A	32
33	HISTORY					CPSA186	5	A	33
34	HISTORY	CPSA199.	ON NOS AND NOSBE SOURCE LINES OF 160 CHARACTERS ARE			CPSA199	1	A	34
35	HISTORY		PERMITTED, BUT ON SCOPE 2 ONLY 100 CHARACTER LINES ARE			CPSA199	2	A	35
36	HISTORY		ALLOWED. THIS CODE CHANGES THE MRL TO 160 FOR NORMAL			CPSA199	3	A	36
37	HISTORY		INPUT LINES ON SCOPE 2.			CPSA199	4	A	37
38	HISTORY	CJC	12NOV80	COMPASS		CPSA199	5	A	38
39	HISTORY					CPSA199	6	A	39
40	HISTORY	CPSA208.	REPLACE THE SUPPRESSED PAGE EJECTS BETWEEN LISTING PARTS			CPSA208	1	A	40
41	HISTORY		WITH A COUPLE BLANK LINES AND THE SUBTITLE LINE.			CPSA208	2	A	41
42	HISTORY	CJC	8DEC80	COMPASS		CPSA208	3	A	42
43	HISTORY					CPSA208	4	A	43
44	HISTORY	CPSA216.	DOCUMENT IN COMPCOM *F VALUE OF -3 INDICATES FTN5 CALLED			CPSA216	1	A	44
45	HISTORY		COMPASS.			CPSA216	2	A	45
46	HISTORY	CJC	5DEC80	COMPCOM		CPSA216	3	A	46
47	HISTORY					CPSA216	4	A	47
48	HISTORY	CPSA218.	PPTYPE TESTING FOR BCU/MCU WAS INCORRECT IN THE			CPSA218	1	A	48
49	HISTORY		DATA DECLARATION ROUTINE.			CPSA218	2	A	49
50	HISTORY	CJC	17FEB80	COMPASS		CPSA218	3	A	50
51	HISTORY					CPSA218	4	A	51

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN HISTORY

HISTORY	CPSA220.	FORCE UPPER ON RL AND WL INSTRUCTIONS.	CPSA220	1	A
HISTORY	CJC	10FEB81 COMPASS	CPSA220	2	A
HISTORY			CPSA220	3	A
HISTORY	CPSA225.	COMPASS WAS TESTING INCORRECTLY FOR PPTYPE IN *DIS*.	CPSA225	1	A
HISTORY	CJC	31MAR81 COMPASS	CPSA225	2	A
HISTORY			CPSA225	3	A
HISTORY	CPSA226.	THIS CODE CORRECTS ROUTINE *DFL* IN TABLE MANAGEMENT	CPSA226	1	A
HISTORY		FL CALCULATIONS AND CORRECTS THE LOGIC ON CLEARING THE	CPSA226	2	A
HISTORY		*LSTTHOU* FLAG.	CPSA226	3	A
HISTORY	CJC	31MAR81 COMPASS	CPSA226	4	A
HISTORY			CPSA226	5	A
HISTORY	CPSA229.	TEST FOR RECORD TYPE ON SCOPE 2 INPUT FILES TO AVOID	CPSA229	1	A
HISTORY		RUN AWAY GETS ON COMPRESSED INPUT. NEW DAYFILE MESSAGE,	CPSA229	2	A
HISTORY		* INPUT FILE RECORD TYPE NOT ALLOWED.*	CPSA229	3	A
HISTORY	CJC	9APR81 COMPASS	CPSA229	4	A
HISTORY			CPSA229	5	A
HISTORY	CPSA230.	CORRECT COMCSRT TO IDENTIFY A RANDOM PL WHOSE MASTER	CPSA230	1	A
HISTORY		CHARACTER IS NOT ASTERISK.	CPSA230	2	A
HISTORY	CJC	16APR81 COMCSRT	CPSA230	3	A
HISTORY			CPSA230	4	A
HISTORY	CPSA246.	THIS CODE MOVES THE UNDEFINING OF REDEFINABLE	CPSA246	1	A
HISTORY		SYMBOLS FROM THE END OF PASS1 TO THE INITIALIZATION OF	CPSA246	2	A
HISTORY		PASS2. IF CPS211 IS INSTALLED, IT MUST PRECEED THIS CODE.	CPSA246	3	A
HISTORY	CJC	3SEPT81 COMPASS	CPSA246	4	A
HISTORY			CPSA246	5	A
HISTORY	CPS211	ALL REDEFINABLE SYMBOLS WERE NOT UNDEFINED PROPERLY AT THE	CPS211	1	A
HISTORY		END OF PASS ONE.	CPS211	2	A
HISTORY	DBK	4DEC78 COMPASS PSR	CPS211	3	A
HISTORY			CPS211	4	A
HISTORY	CPS0241.	TEST FOR BLANK OPCODE WAS DONE INCORRECTLY.	CPS0241	1	A
HISTORY		THIS CODE CORRECTS THE TEST FOR BLANK.	CPS0241	2	A
HISTORY	CJC	13NOV80 COMPASS PSR	CPS0241	3	A
HISTORY			CPS0241	4	A
HISTORY	CPS0287.	COMCARG COMMON COMMON DECK DOES NOT WORK WITH NOSBE	CPS0287	1	A
HISTORY		GENERATED PARAMETER LISTS THAT HAVE CODED SEPARATORS,	CPS0287	2	A
HISTORY		RATHER THAN DISPLAY CODE SEPARATORS, IN THE LOWER BITS	CPS0287	3	A
HISTORY		OF THE ARGUMENT LIST. THIS CODE CHECKS FOR CODED	CPS0287	4	A
HISTORY		CHARACTERS AS WELL AS DISPLAY CODE ONES.	CPS0287	5	A
HISTORY	CJC	6NOV80 COMCARG	CPS0287	6	A
HISTORY			CPS0287	7	A
HISTORY	CPS0289	IF AN R= STATEMENT ALSO CONTAINS A MICRO, AND	CPS0289	1	A
HISTORY		THE *A* LIST OPTION IS NOT TURNED ON, THE LISTING SHOWS	CPS0289	2	A
HISTORY		BOTH THE ORIGINAL STATEMENT AND THE GENERATED STATEMENT.	CPS0289	3	A
HISTORY		CUSTOMER RECOMMENDED CODE.	CPS0289	4	A
HISTORY	CJC	14OCT80 COMPASS	CPS0289	5	A
HISTORY			CPS0289	6	A
HISTORY	CPS0303.	CORRECTLY DOCUMENT MACRO USAGE IN COMMON COMMON DECKS.	CPS0303	1	A
HISTORY	CJC	02APR81 CPUREL	CPS0303	2	A
HISTORY			CPS0303	3	A
HISTORY	CPS0307.	CORRECT COMCCIO TO ACCEPT THE ASTERISK OPTION OF	CPS0307	1	A
HISTORY		*REWRITE*, *WRITE*, *WRITECW* AND *WRITEN* MACROS	CPS0307	2	A
HISTORY		IN RELOCATABLE PROGRAMS, USING CPU.CIO OUT OF SYSLIB.	CPS0307	3	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN HISTORY

HISTORY	ADAPTED FROM KRA681 ON THE NOS OPL.	CPS0307	4	A
HISTORY	CJC 02APR81 COMCCIO	CPS0307	5	A
HISTORY		CPS0307	6	A
HISTORY	*L564* *****	*L564*	1	A
HISTORY	CPS*82. UPDATE COPYRIGHT NOTICE FOR YEAR 1982 IN COMPASS.	CPS*82	1	A
HISTORY	CJC 27JUL81 COMPASS	CPS*82	2	A
HISTORY		CPS*82	3	A
HISTORY	F4820B. ADD TO BCU CODE FOR EXTENDED INSTRUCTION TYPES.	F4820B	1	A
HISTORY	ADD NADTEXT TO COMPASS PL AS SEPARATE RECORD.	F4820B	2	A
HISTORY	DDC/CJC 21JAN82 COMPASS,NADTEXT	F4820B	3	A
HISTORY		F4820B	4	A
HISTORY	CPSA227. MACHINE 8 ON SCOPE 2 WAS CAUSING SCM DIRECT RANGE ERROR	CPSA227	1	A
HISTORY	TRYING TO LOAD AIDTEXT FROM THE SYSTEM LIBRARY.	CPSA227	2	A
HISTORY	THIS CODE CONDITIONALIZES THIS PROCESS TO ONLY	CPSA227	3	A
HISTORY	LOAD AIDTEXT IF NOT ON A SCOPE 2 SYSTEM.	CPSA227	4	A
HISTORY	CJC 12AUG81 COMPASS	CPSA227	5	A
HISTORY		CPSA227	6	A
HISTORY	CPSA233. *NCHARS* WAS NOT SET CORRECTLY FOR BCU MODE.	CPSA233	1	A
HISTORY	PCH 4AUG81 COMPASS	CPSA233	2	A
HISTORY		CPSA233	3	A
HISTORY	CPSA234. THE MESSAGE *COMPASS NEEDS AT LEAST 00000B SCM*	CPSA234	1	A
HISTORY	ONLY GETS THE UPPER DIGIT OF THE AMOUNT CONVERTED	CPSA234	2	A
HISTORY	TO THE MESSAGE. THIS CODE CORRECTS REGISTER USE	CPSA234	3	A
HISTORY	IN ROUTINE *TFL* SO THE CORRECT AMOUNT IS REPORTED.	CPSA234	4	A
HISTORY	CJC 7MAY81 COMPASS	CPSA234	5	A
HISTORY		CPSA234	6	A
HISTORY		CPSA234	7	A
HISTORY	CPSA235. IF MORE THAN ONE SUBPROGRAM IS ASSEMBLED, PAGE	CPSA235	1	A
HISTORY	PARITY WAS NOT BEING SUPPRESSED. THIS CODE TESTS	CPSA235	2	A
HISTORY	THE BL FLAG BEFORE ISSUING PAGE PARITY.	CPSA235	3	A
HISTORY	CJC 7MAY81 COMPASS	CPSA235	4	A
HISTORY		CPSA235	5	A
HISTORY	CPSA236. COMPASS, WHEN CALLED BY FTN4, WAS INCORRECTLY CLEARING	CPSA236	1	A
HISTORY	THE FIRST ADDRESS IN THE E FET. THIS CODE CORRECTS THAT	CPSA236	2	A
HISTORY	FLAW.	CPSA236	3	A
HISTORY	CJC 18MAY81 COMPASS	CPSA236	4	A
HISTORY		CPSA236	5	A
HISTORY	CPSA240. PARAMETER F ON THE CONTROL CARD SHOULD ACCEPT	CPSA240	1	A
HISTORY	FTN4 AND FTN5 (EQUIVALENT TO 2 AND 3 RESPECTIBELY)	CPSA240	2	A
HISTORY	AS STATED IN THE REFERENCE MANUAL. THIS CODE CHANGES	CPSA240	3	A
HISTORY	FTN TO FTN4 AND ADDS FTN5 TO THE TABLE OF ACCEPTABLE NAMES.	CPSA240	4	A
HISTORY	CJC 22JUL81 COMPASS	CPSA240	5	A
HISTORY		CPSA240	6	A
HISTORY	CPSA241. CHANGE MFL= VALUE TO REFLECT SIZE REQUIRED BY COMPASS	CPSA241	1	A
HISTORY	INITIALLY BY MOVING DEFINITION TO END OF PROGRAM.	CPSA241	2	A
HISTORY	CJC 23JUL81 COMPASS	CPSA241	3	A
HISTORY		CPSA241	4	A
HISTORY	CPSA242. THE I/O COMMON DECKS GENERATE UNNECESSARY I/O REQUESTS.	CPSA242	1	A
HISTORY	THIS CODE CHANGES THEM SO THAT FET BUSY IS ALWAYS CHECKED	CPSA242	2	A
HISTORY	BEFORE THE POINTER IS CHECKED THAT IS BEING MOVED BY *CIO*.	CPSA242	3	A
HISTORY	THUS, THEY WILL NOT MISS THE FACT THAT THE STATUS OF THE	CPSA242	4	A
HISTORY	BUFFER HAS CHANGED BETWEEN THE POINTER TEST AND ACTUAL CALL.	CPSA242	5	A
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN HISTORY

HISTORY	ALSO, ALLOW THE USER TO PREVENT READ AHEAD AND WRITE BEHIND	CPSA242	6	A
HISTORY	CODE BY DEFINING SYMBOLS *RDX\$* AND *WTX\$* RESPECTIVELY.	CPSA242	7	A
HISTORY	DKE 5AUG81 COMCRDW,COMCWTC,COMCWTH,COMCWTO,COMCWTS,COMCWTW	CPSA242	8	A
HISTORY		CPSA242	9	A
HISTORY	CPSA243. CODE CHANGES *COMCCFD* TO RETURN A RESULT OF	CPSA243	1	A
HISTORY	***** ON AN OVERFLOW CONDITION.	CPSA243	2	A
HISTORY	CJC 6AUG81 COMCCFD	CPSA243	3	A
HISTORY		CPSA243	4	A
HISTORY	CPSA244. THIS CODE MAKES *COMCSTF* SAVE FET STATUS BEFORE	CPSA244	1	A
HISTORY	ISSUING AN *OPEN* TO TEST FOR DEVICE TYPE, THEN	CPSA244	2	A
HISTORY	RESTORE PREVIOUS FUNCTION CODE.	CPSA244	3	A
HISTORY	CJC 6AUG81 COMCSTF	CPSA244	4	A
HISTORY		CPSA244	5	A
HISTORY	CPSA245. COMMENTS ARE ADDED TO COMMON COMMON DECKS SHOWING	CPSA245	1	A
HISTORY	RESIDENCE AND MAINTENANCE RESPONSIBILITY.	CPSA245	2	A
HISTORY	CJC 11AUG81 COMMON DECKS	CPSA245	3	A
HISTORY		CPSA245	4	A
HISTORY	CPSA251. WHEN FL = MFL ON ENTRY TO COMPASS, DISK WAS NOT	CPSA251	1	A
HISTORY	BEING USED ON OVERFLOW. ALSO *LSTTHOU* FLAG WAS	CPSA251	2	A
HISTORY	USED TO INDICATE BOTH *INTERIO* AND *LSTTHOU*	CPSA251	3	A
HISTORY	THIS CODE CORRECTS USE OF *LSTTHOU* FLAG AND USES	CPSA251	4	A
HISTORY	DISK SPACE WHEN AVAILABLE CORE SPACE IS USED UP.	CPSA251	5	A
HISTORY	CJC 5OCT81 COMPASS	CPSA251	6	A
HISTORY		CPSA251	7	A
HISTORY	CPS0306. CODE CHANGES *COMCSRT* TO NO LONGER RECOGNIZE	CPS0306	1	A
HISTORY	*COS* TYPE RECORDS, CALLING THEM *TEXT*, INSTEAD.	CPS0306	2	A
HISTORY	CJC 24SEP81 COMCSRT	CPS0306	3	A
HISTORY		CPS0306	4	A
HISTORY	CPS0320. MISSING ENDD WAS CAUSING MODE ERRORS.	CPS0320	1	A
HISTORY	THIS CODE CHANGES *PEC* TO SET *OPTYE* BEFORE	CPS0320	2	A
HISTORY	EXITING WHEN *END* CARD IS FOUND.	CPS0320	3	A
HISTORY	CJC 18SEP81 COMPASS	CPS0320	4	A
HISTORY		CPS0320	5	A
HISTORY	CPS0323. *COMCSRT* WAS NOT CHECKING FOR ADDRESS WITHIN BUFFER	CPS0323	1	A
HISTORY	BEFORE JUMPING TO THE END OF A TABLE IN DETERMINING	CPS0323	2	A
HISTORY	RECORD TYPE. THIS CODE TESTS FOR LWA OF BLOCK, WHICH	CPS0323	3	A
HISTORY	IS PASSED TO *COMCSRT* IN REGISTER *X1*. IF *COMCSRT*	CPS0323	4	A
HISTORY	CANNOT DETERMINE RECORD TYPE WITHIN BUFFER SIZE,	CPS0323	5	A
HISTORY	TYPE *TEXT* WILL BE RETURNED.	CPS0323	6	A
HISTORY	CJC 11FEB82 COMCSRT	CPS0323	7	A
HISTORY		CPS0323	8	A
HISTORY	*L577* *****	*L577*	1	A
HISTORY	CPSA257. ADD A CHECK FOR WORD COUNT GREATER THAN ZERO	CPSA257	1	A
HISTORY	FOR PIDL TABLES (RELOCATABLE RECORD TYPES) IN COMCSRT.	CPSA257	2	A
HISTORY	CJC 7JAN82 COMCSRT	CPSA257	3	A
HISTORY		CPSA257	4	A
HISTORY	CPSA259. CORRECT OMISSION OF LOADREQ CALL IN *RIV* ROUTINE.	CPSA259	1	A
HISTORY	DEPENDENCY=F4830CP,CPSA227	CPSA259	2	A
HISTORY	CJC 82/04/24 COMPASS	CPSA259	3	A
HISTORY		CPSA259	4	A
HISTORY	CPS0094. BASED UPON THE ASSUMPTION THAT COMPRESSED FILES	CPS0094	1	A
HISTORY	CANNOT BE OF RECORD TYPE Z, THIS CODE ENABLES COMPASS	CPS0094	2	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN HISTORY

HISTORY	TO READ NORMAL SOURCE FROM Z TYPE INPUT RECORDS ON	CPS0094	3	A
HISTORY	SCOPE 2. A CHECK FOR RT=Z IN *CIF* DOES THE TRICK.	CPS0094	4	A
HISTORY	CJC 19DEC81 COMPASS	CPS0094	5	A
HISTORY		CPS0094	6	A
HISTORY	CPS0325 THIS CODE MOVES THE VALUE OF THE SYMBOL IN THE	CPS0325	1	A
HISTORY	SYMBOLIC REFERENCE TABLE OVER TO ALLOW FOR 8-	CPS0325	2	A
HISTORY	CHARACTER SYMBOLS WITH 7-CHARACTER VALUES.	CPS0325	3	A
HISTORY	CJC 26MAR82 COMPASS	CPS0325	4	A
HISTORY		CPS0325	5	A
HISTORY	CPS0338. WHILE PRINTING THE SYMBOLIC REFERENCE TABLE,	CPS0338	1	A
HISTORY	COMPASS (CALLED FROM FTN5) STARTED PRINTING GARBAGE	CPS0338	2	A
HISTORY	BECAUSE THE OUTPUT BUFFER WAS WRITTEN WITHOUT RECALL.	CPS0338	3	A
HISTORY	THIS CODE ENSURES THE OUTPUT BUFFER FLUSHED BEFORE	CPS0338	4	A
HISTORY	CLOSING AND REWINDING FILES.	CPS0338	5	A
HISTORY	CJC 23FEB82 COMPASS	CPS0338	6	A
HISTORY		CPS0338	7	A
HISTORY	CPS0340. SINCE CPS240 CHANGED THE FORMAT OF ASSEMBLY STATISTICS	CPS0340	1	A
HISTORY	TO LIST A GENERAL CPU TYPE RATHER THAN SPECIFIC MODEL	CPS0340	2	A
HISTORY	NUMBER, THE STATS DO NOT LINE UP. THIS CODE CHANGES	CPS0340	3	A
HISTORY	THE SECOND LINE OF THE STATISTICS SO IT LINES UP WITH	CPS0340	4	A
HISTORY	THE FIRST. CUSTOMER RECOMMENDED CODE.	CPS0340	5	A
HISTORY	CJC 28DEC81 COMPASS	CPS0340	6	A
HISTORY		CPS0340	7	A
HISTORY	CPS0343. COMPASS LISTS THE MEMORY IT USED IN HEX FOR HEX ASSEMBLIES	CPS0343	1	A
HISTORY	(BCU, MCU), BUT STILL PRINTS *B* POSTRADIX. THIS CODE	CPS0343	2	A
HISTORY	CORRECTS COMPASS TO REPORT THE MEMORY IT USED IN OCTAL,	CPS0343	3	A
HISTORY	THUS CORRECTLY INDICATING THE AMOUNT USED WITH POSTRADIX.	CPS0343	4	A
HISTORY	CUSTOMER RECOMMENDED CODE.	CPS0343	5	A
HISTORY	CJC 29DEC81 COMPASS	CPS0343	6	A
HISTORY		CPS0343	7	A
HISTORY	CPS0345 TEACH *COMCSRT* THE DIFFERENCE BETWEEN CAPS AND OVCAPS.	CPS0345	1	A
HISTORY	DEPENDENT UPON CPSA204, CPS0281 AND CPS0306.	CPS0345	2	A
HISTORY	ITEMIZE MUST BE BUILT WITH UTL0121.	CPS0345	3	A
HISTORY	COPYL MUST BE BUILT WITH UTL0120.	CPS0345	4	A
HISTORY	CJC 9MAR82 COMCSRT	CPS0345	5	A
HISTORY		CPS0345	6	A
HISTORY	*L587* *****	*L587*	1	A
HISTORY	CPSA261 CORRECT LABEL WTW10 IN COMCWTW WHEN WTX\$ IS DEFINED.	CPSA261	1	A
HISTORY	DEPENDENCY=CPSA242	CPSA261	2	A
HISTORY	CJC 82/08/02 COMCWTW	CPSA261	3	A
HISTORY		CPSA261	4	A
HISTORY	CPS2608 COMPASS COMBINES ALL LDSET PSEUDOS INTO ONE LOADER TABLE	CPS2608	1	A
HISTORY	WITHOUT CHECKING WORD SIZE, THUS CREATING AN ILLEGAL	CPS2608	2	A
HISTORY	LOADER TABLE ON OVERFLOW CONDITIONS. THIS CODE ADDS A	CPS2608	3	A
HISTORY	ROUTINE TO GENERATE THE TABLE CONTROL WORD(S) DURING	CPS2608	4	A
HISTORY	PASS ONE SO MORE THAN ONE LDSET TABLE CAN BE GENERATED	CPS2608	5	A
HISTORY	IF NECESSARY.	CPS2608	6	A
HISTORY	CJC 82/07/23 COMPASS	CPS2608	7	A
HISTORY		CPS2608	8	A
HISTORY	*L601* *****	*L601*	1	A
HISTORY	CPSA265 IMPLEMENT SYSTEM PAGE SIZE TO BE FETCHED FROM	CPSA265	1	A
HISTORY	SYSTEM DEFAULT. ALSO ADDS COMMON DECK *COMCCPM* TO THE	CPSA265	2	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN HISTORY

HISTORY	*COMPASS* PL.	CPSA265	3	A
HISTORY	DEPENDENCY=CMPS30,CPS064,CPS236,F4810A	CPSA265	4	A
HISTORY	RETRANS=8I3	CPSA265	5	A
HISTORY	ASD/RRR/CJC 82/07/01 COMCCPM, COMPASS	CPSA265	6	A
HISTORY		CPSA265	7	A
HISTORY	*L617* *****	*L617*	1	A
HISTORY	CPSA266 CORRECT SYSTEM PAGE SIZE FETCHED FROM DEFAULT ON	CPSA266	1	A
HISTORY	SCOPE 2 SYSTEMS.	CPSA266	2	A
HISTORY	DEPENDENCY=CPSA265	CPSA266	3	A
HISTORY	PFK/CJC 83/10/05 COMPASS	CPSA266	4	A
HISTORY		CPSA266	5	A
HISTORY	*L628* *****	*L628*	1	A
HISTORY	*L642* *****	*L642*	1	A
HISTORY	CPSA274 CTM. FIX MODE ERROR WHICH CAN OCCUR ON DUAL-STATE SYSTEMS.	CPSA274	1	A
HISTORY	CODE IN *CTM* DOES AN IN-STACK CODE MODIFICATION TO DETERMINE	CPSA274	2	A
HISTORY	THE TYPE OF CPU. IT STORES A *JP B2* IN THE UPPER HALF AND	CPSA274	3	A
HISTORY	A *PS* (30 BITS OF ZERO) IN THE LOWER HALF OF A WORD WITHIN	CPSA274	4	A
HISTORY	THE STACK TO WHICH CONTROL SUBSEQUENTLY FALLS. ON DUAL-STATE	CPSA274	5	A
HISTORY	SYSTEMS, INTERRUPTS ARE POSSIBLE AT ANY INSTRUCTION BOUNDARY,	CPSA274	6	A
HISTORY	SO CONTROL CAN GO TO THE *PS*. CODE FIXES PROBLEM BY PLACING	CPSA274	7	A
HISTORY	THE *JP B2* IN BOTH THE UPPER AND LOWER HALVES OF THE WORD.	CPSA274	8	A
HISTORY	DEPENDENCY=CPS064	CPSA274	9	A
HISTORY	AXM 85/01/23 COMPASS	CPSA274	10	A
HISTORY		CPSA274	11	A
HISTORY	CPS2627 COMPASS/DBSSZ. FIX BSSZ FOR BCU-TYPE ASSEMBLIES.	CPS2627	1	A
HISTORY	DBSSZ WAS TREATING BCU ASSEMBLIES THE SAME AS FOR	CPS2627	2	A
HISTORY	NORMAL PPU ASSEMBLIES, AND WAS THUS STORING ZERO	CPS2627	3	A
HISTORY	BYTES INTO THE WRONG LOCATION OF THE PROGRAM IMAGE.	CPS2627	4	A
HISTORY	AXM 84/10/23 COMPASS	CPS2627	5	A
HISTORY		CPS2627	6	A
HISTORY	CPS2628 ON 63 CHAR SET SYSTEMS, BAD CODE IS GENERATED FOR COLON	CPS2628	1	A
HISTORY	IF 'CODE E', 'CODE I', OR 'CODE A' IS SELECTED.	CPS2628	2	A
HISTORY	CODE CHANGES ENTRY FOR COLON IN CHAR SET TABLE FOR	CPS2628	3	A
HISTORY	63 CHAR SET SYSTEMS.	CPS2628	4	A
HISTORY	AXM 84/10/29 COMPASS	CPS2628	5	A
HISTORY		CPS2628	6	A
HISTORY	*L650* *****	*L650*	1	A
HISTORY	CPSA276 PROBLEM - IF B7 IS SET TO NEGATIVE UPON ENTRY (NOS/BE),	CPSA276	1	A
HISTORY	THE FIRST BLANK BEFORE THE VERB (COMMAND NAME) WILL BE	CPSA276	2	A
HISTORY	CONSIDERED AS A SEPARATOR...THIS IS INCORRECT... THIS BLANK	CPSA276	3	A
HISTORY	(AND ALL BLANKS BEFORE THE VERB) SHOULD BE IGNORED.	CPSA276	4	A
HISTORY	SOLUTION - CHECK ASSEMBLY AREA FOR ANY ASSEMBLY OF THE VERB.	CPSA276	5	A
HISTORY	IF THERE IS NONE YET, IGNORE THE BLANK (MUST BE LEADING).	CPSA276	6	A
HISTORY	CDF 85/04/05 COMCUPC	CPSA276	7	A
HISTORY		CPSA276	8	A
HISTORY	CPSA281 IMPLEMENT CODE FOR 180 PPU ASSEMBLER SUPPORT (I4, I0).	CPSA281	1	A
HISTORY	DERIVED FROM CODE DONE FOR THE CROSS INTERNAL ASSEMBLER.	CPSA281	2	A
HISTORY	DEPENDENCY=CMPS17,CMPS30,CPSA213,CPSA225 CPS011,CPS064, CMPS64G,	CPSA281	3	A
HISTORY	DEPENDENCY=CPS2627,F4820,F4820B	CPSA281	4	A
HISTORY	CJC 83/12/15 COMPASS	CPSA281	5	A
HISTORY	AM 85/10/18	CPSA281	6	A
HISTORY		CPSA281	7	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN HISTORY

HISTORY	CPSA282	COMPASS/ARG. COMPASS ABORTS WITH *AUTO-RECALL ERROR* ON	CPSA282	1	A
HISTORY		NOS/BE IF THE *PD* PARAMETER IS SPECIFIED. ADD CODE TO CLEAR	CPSA282	2	A
HISTORY		COMPLETE BIT PRIOR TO 2ND EXECUTION OF THE *GETPAGE* FUNCTION.	CPSA282	3	A
HISTORY		DEPENDENCY=CPSA265	CPSA282	4	A
HISTORY		CDF 85/07/27 COMPASS	CPSA282	5	A
HISTORY			CPSA282	6	A
HISTORY	CPSA283	COMCRSR. VOID STACK AFTER SETTING UP INSTRUCTIONS TO RESTORE	CPSA283	1	A
HISTORY		ALL OF THE B-REGISTERS. NEEDED FOR THE 990-TYPE CPU ONLY.	CPSA283	2	A
HISTORY		CDF 85/08/14 COMCRSR	CPSA283	3	A
HISTORY		AXM 85/09/05	CPSA283	4	A
HISTORY			CPSA283	5	A
HISTORY	CPS0329	FIX REGRESSION CAUSED BY CPSA094. FOR BCU OR MCU ASSEMBLIES,	CPS0329	1	A
HISTORY		THE BIT COUNT PER DIGIT (IN X0) WAS GETTING CLOBBED.	CPS0329	2	A
HISTORY		DEPENDENCY=F4820	CPS0329	3	A
HISTORY		AXM 85/03/14 COMPASS	CPS0329	4	A
HISTORY			CPS0329	5	A
HISTORY	CPS2667	COMPASS/PRT. IF DIFFERENT FILE NAMES WERE SPECIFIED FOR THE	CPS2667	1	A
HISTORY		LISTING AND THE ERROR FILES (VIA THE *L* AND *E* CONTROL	CPS2667	2	A
HISTORY		STATEMENT OPTIONS), THE SUB-TITLE *SYMBOLIC REFERENCE TABLE*	CPS2667	3	A
HISTORY		WAS BEING WRITTEN TO THE ERROR FILE INSTEAD OF THE LISTING	CPS2667	4	A
HISTORY		FILE. THIS ALSO LED TO MODE ERRORS DURING LARGE ASSEMBLIES.	CPS2667	5	A
HISTORY		CORRECTIVE CODE FIXES.	CPS2667	6	A
HISTORY		AXM 85/09/09 COMPASS	CPS2667	7	A
HISTORY			CPS2667	8	A
HISTORY	*L670*	*****	*L670*	1	A
HISTORY	CPSA284	PROBLEM - COMCSRT DETECTS MODIFY COMMON DECKS, BUT DOES NOT	CPSA284	1	A
HISTORY		INDIVIDUALLY IDENTIFY UPDATE COMMON DECKS. ALSO, THE DECK	CPSA284	2	A
HISTORY		NAMES FOR UPDATE DECKS ON A RANDOM PL ARE NOT CORRECT.	CPSA284	3	A
HISTORY		SOLUTION - ADD A NEW RECORD TYPE (UPLRC) FOR UPDATE RANDOM	CPSA284	4	A
HISTORY		PROGRAM LIBRARY COMMON DECKS, AND CORRECT THE ALGORITHM FOR	CPSA284	5	A
HISTORY		DETERMINING DECK NAMES IN UPDATE RANDOM PROGRAM LIBRARIES.	CPSA284	6	A
HISTORY		DEPENDENCY=CPSA204,CPS0323,CPS0345,CPSA230	CPSA284	7	A
HISTORY		CDF 85/10/02 COMCSRT	CPSA284	8	A
HISTORY			CPSA284	9	A
HISTORY	CPSA286	CHANGE THE *TYPE* FIELD IN THE 77-TABLE TO 'H' FOR 16-BIT	CPSA286	1	A
HISTORY		PPU ASSEMBLIES.	CPSA286	2	A
HISTORY		DEPENDENCY=COMP30	CPSA286	3	A
HISTORY		AM 85/11/13 COMPASS	CPSA286	4	A
HISTORY			CPSA286	5	A
HISTORY	CPSA287	COMPASS/DDUMP. WITH CPSA281, SCOPE2 BUILD FAILS WITH ASSEMBLY	CPSA287	1	A
HISTORY		ERRORS. CODE FIXES COMPASS TO HANDLE *CIPPU* TYPE PPU	CPSA287	2	A
HISTORY		ASSEMBLIES ON SCOPE2. ALSO FIXES A PROBLEM FOR ASSEMBLIES OF	CPSA287	3	A
HISTORY		*CIPPU* TYPE PPUS ON THE OTHER SYSTEMS; THE *NOLABEL* PSEUDO	CPSA287	4	A
HISTORY		DID NOT SUPPRESS THE PPU HEADER.	CPSA287	5	A
HISTORY		DEPENDENCY=CPSA281	CPSA287	6	A
HISTORY		AM 86/01/16 COMPASS	CPSA287	7	A
HISTORY			CPSA287	8	A
HISTORY	CPSA288	IMPLEMENTATION OF DAP *ARH7171*. AFFECTS 180 PPU ASSEMBLIES	CPSA288	1	A
HISTORY		ONLY. MODIFIES FORMAT OF DATA GENERATED BY *CON* AND *VFD*	CPSA288	2	A
HISTORY		PSEUDO-OPS WHEN DESIRED THAT SUCH DATA BE LIMITED TO THE LOWER	CPSA288	3	A
HISTORY		12 BITS OF EACH 16-BIT PPU WORD. ADDS A SECOND PARAMETER TO	CPSA288	4	A
HISTORY		THE *CIPPU* PSEUDO AND INTRODUCES TWO (2) NEW PSEUDO OPS THAT	CPSA288	5	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN HISTORY

HISTORY		ARE LEGAL ONLY DURING 180 PPU ASSEMBLIES: *CONL* AND *VFDL*.	CPSA288	6	A
HISTORY		DEPENDENCY=CPSA281,CMP21,F4820,CPS076X	CPSA288	7	A
HISTORY		AM 86/02/14 COMPASS	CPSA288	8	A
HISTORY			CPSA288	9	A
HISTORY	CPSA289	THE DECK *CALLCPU* WAS NOT UPDATED TO INCLUDE A CALL TO THE	CPSA289	1	A
HISTORY		COMDECK *COMCCPM*. CODE FIXES.	CPSA289	2	A
HISTORY		AM 86/02/18 CALLCPU	CPSA289	3	A
HISTORY			CPSA289	4	A
HISTORY	CPSA292	TRANSMITTAL OF CDCM. REFERENCE DAP = S5012. THIS UTILITY	CPSA292	1	A
HISTORY		READS A COMPILE FILE OF *COMPASS* CODE AND WRITES A LIST OF	CPSA292	2	A
HISTORY		ANY LINES WITHIN THAT FILE WHICH CONTAIN CODE-MODIFICATION	CPSA292	3	A
HISTORY		WHICH COULD CAUSE PROGRAM FAILURE.	CPSA292	4	A
HISTORY		NEWDECKS=CWEOR2,CDCMOPT,CDCM	CPSA292	5	A
HISTORY		AM 86/05/14 CDCMOPT, CWEOR2, CDCM	CPSA292	6	A
HISTORY			CPSA292	7	A
HISTORY	CPSA293	COMPASS/CCC/STC/BCU/CIPPU/END. FIX *BCU* REGRESSION CAUSED	CPSA293	1	A
HISTORY		BY CPSA281. CHARACTER DATA WAS STORED INCORRECTLY DURING	CPSA293	2	A
HISTORY		BCU-TYPE ASSEMBLIES. THIS CODE REWORKS *STC* SO AS TO AVOID	CPSA293	3	A
HISTORY		THE VARIOUS TESTS THAT HAD TO BE MADE FOR EACH CHARACTER OF	CPSA293	4	A
HISTORY		DATA STORED. INSTEAD, A METHOD OF CODE-MODIFICATION IS USED	CPSA293	5	A
HISTORY		WHICH CONTROLS THE ROUTINE'S PROCESSING ACCORDING TO THE	CPSA293	6	A
HISTORY		CHARACTER TYPE CURRENTLY IN EFFECT. THE CODE MODIFICATION IS	CPSA293	7	A
HISTORY		DONE AT THE END OF BOTH PASS 1 AND 2 TO RESET TO NON-ASCII,	CPSA293	8	A
HISTORY		AND IN PASS 1 AND 2 PROCESSING OF THE *BCU*, *MCU*, CIPPU*,	CPSA293	9	A
HISTORY		AND *CODE* PSEUDO-OPS.	CPSA293	10	A
HISTORY		DEPENDENCY=CPSA281,CMP30,F4820,CPSA213,CPSA288,CPSA125	CPSA293	11	A
HISTORY		AM 86/07/11 COMPASS	CPSA293	12	A
HISTORY			CPSA293	13	A
HISTORY	CPSA295	ADD RECORD TYPE 8PP (180-PPU) TO COMCSRT.	CPSA295	1	A
HISTORY		DEPENDENCY=CPSA284	CPSA295	2	A
HISTORY		AM 86/05/06 COMCSRT	CPSA295	3	A
HISTORY			CPSA295	4	A
HISTORY	CPSA297	ON 16K CIPPU ASSEMBLIES, ISSUE WARNING ERROR ON STORE	CPSA297	1	A
HISTORY		INSTRUCTIONS WHICH REFERENCE THE NEXT INSTRUCTION. FOR	CPSA297	2	A
HISTORY		EXAMPLES: STD *+1, STDL *+1, STML *+2.	CPSA297	3	A
HISTORY		THIS IS NEEDED BECAUSE THE S0 IOU HAS A PIPELINE ARCHITECTURE,	CPSA297	4	A
HISTORY		MEANING INSTRUCTIONS ARE PREFETCHED DURING EXECUTION OF A	CPSA297	5	A
HISTORY		PREVIOUS ONE. IN PARTICULAR, ANY STORE OPERATION TO A WORD	CPSA297	6	A
HISTORY		ADDRESS IMMEDIATELY FOLLOWING THE CURRENT INSTRUCTION WILL	CPSA297	7	A
HISTORY		NOT WORK AS EXPECTED, AS THE UNMODIFIED DATA WILL HAVE ALREADY	CPSA297	8	A
HISTORY		BEEN FETCHED.	CPSA297	9	A
HISTORY		DEPENDENCY=CPS026,CPSA281	CPSA297	10	A
HISTORY		AM 86/05/12 COMPASS	CPSA297	11	A
HISTORY			CPSA297	12	A
HISTORY	CPSA300	COMPASS. ADD COMMENT LINE TO BEGINNING OF COMPASS LISTING TO	CPSA300	1	A
HISTORY		INDICATE VERSION 3.7.	CPSA300	2	A
HISTORY		DEPENDENCY=F4810B	CPSA300	3	A
HISTORY		AM 86/07/10 COMPASS	CPSA300	4	A
HISTORY			CPSA300	5	A
HISTORY	CPS2658	COMPASS/SCD. A NUMERIC DATA ITEM WITH TWO PERIODS CAUSES	CPS2658	1	A
HISTORY		COMPASS TO HANG. CODE MODIFIES *NDS* IN *SCD* TO UPDATE THE	CPS2658	2	A
HISTORY		COLUMN POINTER BEFORE TAKING ERROR EXIT.	CPS2658	3	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN HISTORY

HISTORY	DEPENDENCY=CPS056	CPS2658	4	A
HISTORY	AM 85/11/13 COMPASS	CPS2658	5	A
HISTORY		CPS2658	6	A
HISTORY	CPS2659 COMPASS/PRT. IF CROSS-REFERENCE TABLE PROCESSING DETECTS	CPS2659	1	A
HISTORY	CROSS-REFERENCE TABLE OVERFLOW, THEN END-OF-RECORD WRITE IS	CPS2659	2	A
HISTORY	ISSUED TO THE ERROR FILE UNCONDITIONALLY. THIS CAUSES THE	CPS2659	3	A
HISTORY	FILE TO EXIST EVEN WHEN THERE WERE NO ERRORS. CORRECTIVE	CPS2659	4	A
HISTORY	CODE FIXES.	CPS2659	5	A
HISTORY	DEPENDENCY=CPS064	CPS2659	6	A
HISTORY	AM 85/09/10 COMPASS	CPS2659	7	A
HISTORY		CPS2659	8	A
HISTORY	CPS2672 CHANGE THE USAGE OF TABLE *RELVEC* AS FOLLOWS: CURRENTLY,	CPS2672	1	A
HISTORY	IT IS USED IN SEVERAL WAYS, BUT WHERE IT IS USED AS THE	CPS2672	2	A
HISTORY	RELOCATION VECTOR, IT CAN OVERFLOW ITS FIXED LENGTH OF 256	CPS2672	3	A
HISTORY	DURING ASSEMBLIES WITH MANY OVERLAYS (SUCH AS *DSD*). TO	CPS2672	4	A
HISTORY	CORRECT THIS, ADD A NEW MANAGE TABLE (*RVTAB*) TO BE USED	CPS2672	5	A
HISTORY	FOR THE RELOCATION VECTOR. CONTINUE TO USE THE SAME	CPS2672	6	A
HISTORY	FIXED-LENGTH *RELVEC* FOR ALL THE OTHER PURPOSES.	CPS2672	7	A
HISTORY	DEPENDENCY=COMP30	CPS2672	8	A
HISTORY	AM 86/06/18 COMPASS	CPS2672	9	A
HISTORY		CPS2672	10	A
HISTORY	*L688* *****	*L688*	1	A
HISTORY	*L716* *****	*L716*	1	A
HISTORY	CPS2660 REMOVE UNNECESSARY ERROR CHECKING CODE AFTER LOADING SYSTEMS	CPS2660	1	A
HISTORY	TEXT ON NOS OR SCOPE 2 SYSTEMS. THE CODE BEING REMOVED	CPS2660	2	A
HISTORY	APPLIES TO NOS/BE ONLY.	CPS2660	3	A
HISTORY	DEPENDENCY=CPSA134,CPS064,F4810B	CPS2660	4	A
HISTORY	AM 88/02/18 COMPASS	CPS2660	5	A
HISTORY		CPS2660	6	A
HISTORY	*L739* *****	*L739*	1	A
HISTORY	CPSA291 FIX PROBLEMS WITH CONTINUATION *COMPASS* STATEMENTS.	CPSA291	1	A
HISTORY	(1) ON NOS, *CONTRLC* IS ISSUED WITHOUT THE *CRACK* PARAMETER	CPSA291	2	A
HISTORY	SET. THIS CAUSES THE *ARG=* STATUS TO BE LOST.	CPSA291	3	A
HISTORY	(2) WHEN THE *CONTRLC* REQUEST IS MADE, (RA+64) GETS RESET,	CPSA291	4	A
HISTORY	CAUSING THE WRONG VALUE TO BE USED FOR THE OVERLAY FILE.	CPSA291	5	A
HISTORY	DEPENDENCY=COMP30	CPSA291	6	A
HISTORY	AM 88/05/19 COMPASS	CPSA291	7	A
HISTORY		CPSA291	8	A
HISTORY	CPSA305 PROBLEM - FOR *BCU* AND *CIPPU* ASSEMBLIES WITH L=0, THE	CPSA305	1	A
HISTORY	CHARACTER SET DOES NOT PROPERLY DEFAULT TO *CODE N*, BUT	CPSA305	2	A
HISTORY	INSTEAD DEFAULTS TO *CODE A*. THIS IS BECAUSE THE *BCU*	CPSA305	3	A
HISTORY	AND *CIPPU* PSEUDOS USE THE LOGIC TO NOT ENTER PASS 2	CPSA305	4	A
HISTORY	PROCESSORS, BUT CPSA293 INTRODUCED PASS 2 LOGIC FOR THESE	CPSA305	5	A
HISTORY	TO PLUG SUBROUTINE *STC* FOR 8-BIT, ASCII.	CPSA305	6	A
HISTORY	SOLUTION - CHANGE THE PASS 1 EXIT LOGIC FOR *BCU*, *CIPPU*,	CPSA305	7	A
HISTORY	AND *MCU* SO THAT THE PASS 2 PROCESSORS WILL BE EXECUTED.	CPSA305	8	A
HISTORY	DEPENDENCY=F4820,CPSA281	CPSA305	9	A
HISTORY	AM 88/09/19 COMPASS	CPSA305	10	A
HISTORY		CPSA305	11	A
HISTORY	CPSA306 CPSA283 USES A *JP* INSTRUCTION TO VOID THE INSTRUCTION	CPSA306	1	A
HISTORY	STACK. THIS SHOULD BE DONE WITH AN *RJ* TO ENSURE THAT IT	CPSA306	2	A
HISTORY	WORKS CORRECTLY ON ANY CPU TYPE.	CPSA306	3	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN HISTORY

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SUMMARY OF UPDATE IDENTIFIERS WITHIN DECK - HISTORY

IDENTIFIER	TOTAL	ACTIVE
COMTEXT	12	0
HISTORY	3	3
L383	1	1
L383F	1	1
L386	1	1
L393	1	1
L397	1	1
CP114	4	4
L401	1	1
L406	1	1
CPSCPRT	3	3
CP096A	5	5
L410	1	1
CPS106	4	4
CPS110	4	4
CPS112	5	5
L414	1	1
S3143CP	4	4
*L420*	1	1
CPS*76	3	3
CP139CP	9	9
CP147	3	3
CP154	3	3
CPS085	4	4
*L428*	1	1
CPS126	4	4
CPS127	4	4
CPS130	4	4
CPS135	3	3
CPS141	4	4
*L433*	1	1
*L439*	1	1
CPS150	2	2
CPS153	3	3
*L446*	1	1
CPS*77	3	3
CPSVER34	3	3
CP161CP	3	3
F7540CP	4	4
F7820CP	3	3
CPS146	4	4
CPS167	3	3
*L452*	1	1
CPS118X	4	4
CPS173	4	4
*L460*	1	1
CPS076X	5	5
CPS144	4	4
CPS147X	5	5
CPS151	5	5
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCARG

	COMCARG		QUAL	COMCARG		COMCARG	COMCARG	5	A
1	COMCARG		BASE	D		COMCARG	COMCARG	6	A
2	COMCARG	*	COMMENT	COPYRIGHT CONTROL DATA CORPORATION. 1970, 1978.		COMCARG	COMCARG	7	A
3	COMCARG	ARG	SPACE	4,10		COMCARG	COMCARG	8	A
4	COMCARG	***	ARG	- PROCESS ARGUMENTS.		COMCARG	COMCARG	9	A
5	COMCARG	*				COMCARG	COMCARG	10	A
6	COMCARG	*	G. R. MANSFIELD.	70/10/09.		COMCARG	COMCARG	11	A
7	COMCARG	*					CPSA245	5	A
8	COMCARG	*		*****			CPSA245	6	A
9	COMCARG	*		* THIS COMMON DECK IS PART OF THE COMMON COMMON DECKS *			CPSA245	7	A
10	COMCARG	*		* RESIDING ON THE COMPASS PROGRAM LIBRARY, AND BEING *			CPSA245	8	A
11	COMCARG	*		* MAINTAINED BY THE COMPASS PROJECT. ANY CHANGES *			CPSA245	9	A
12	COMCARG	*		* REQUIRED SHOULD BE DIRECTED TO THE COMPASS PROJECT *			CPSA245	10	A
13	COMCARG	*		* THROUGH THE PROPER PROCEDURE. *			CPSA245	11	A
14	COMCARG	*		*****			CPSA245	12	A
15	COMCARG	*					CPSA245	13	A
16	COMCARG	*				COMCARG	COMCARG	12	A
17	COMCARG	*		PROCESS A LIST OF ARGUMENTS BY USE OF AN EQUIVALENCE		COMCARG	COMCARG	13	A
18	COMCARG	*		TABLE.		COMCARG	COMCARG	14	A
19	COMCARG	ARG		SPACE 4,10		COMCARG	COMCARG	15	A
20	COMCARG	***		ARG PROCESSES AN ARGUMENT LIST BY THE USE OF AN		COMCARG	COMCARG	16	A
21	COMCARG	*		EQUIVALENCE TABLE.		COMCARG	COMCARG	17	A
22	COMCARG	*		THE ARGUMENT LIST IS EXPECTED TO BE IN THE FORMAT GENERATED		COMCARG	COMCARG	18	A
23	COMCARG	*		BY *COMCUPC*.		COMCARG	COMCARG	19	A
24	COMCARG	*		IF A KEYWORD=VALUE FORM IS FOUND IN THE ARGUMENT LIST,		COMCARG	COMCARG	20	A
25	COMCARG	*		(ADDR) ARE SET TO THE VALUE. IF ONLY THE KEYWORD IS FOUND		COMCARG	COMCARG	21	A
26	COMCARG	*		IN THE ARGUMENT LIST AS A STANDALONE ARGUMENT, (ADDR) ARE		COMCARG	COMCARG	22	A
27	COMCARG	*		SET TO (ASV). IF A KEYWORD DOES NOT APPEAR IN THE ARGUMENT		COMCARG	COMCARG	23	A
28	COMCARG	*		LIST, (ADDR) REMAIN UNCHANGED.		COMCARG	COMCARG	24	A
29	COMCARG	*				COMCARG	COMCARG	25	A
30	COMCARG	*		ENTRY (B1) = 1.		COMCARG	COMCARG	26	A
31	COMCARG	*		(B4) = ARGUMENT COUNT.		COMCARG	COMCARG	27	A
32	COMCARG	*		(A4) = ADDRESS OF FIRST ARGUMENT.		COMCARG	COMCARG	28	A
33	COMCARG	*		(X4) = FIRST ARGUMENT.		COMCARG	COMCARG	29	A
34	COMCARG	*		(B5) = ADDRESS OF ARGUMENT TABLE IN FOLLOWING FORM -		COMCARG	COMCARG	30	A
35	COMCARG	*		AND TERMINATED BY A WORD OF ALL ZEROS			CPS0287	8	A
36	COMCARG	*	VFD	12/OP,18/ASV,12/ST,18/ADDR		COMCARG	COMCARG	31	A
37	COMCARG	*		OP = 1 OR 2 CHAR KEYWORD (LEFT JUSTIFIED, ZERO FILL).		COMCARG	COMCARG	32	A
38	COMCARG	*		ASV = ADDRESS OF ASSUMED VALUE.		COMCARG	COMCARG	33	A
39	COMCARG	*		ST = STATUS.		COMCARG	COMCARG	34	A
40	COMCARG	*		ADDR = ADDRESS WHERE ARGUMENT PLACED.		COMCARG	COMCARG	35	A
41	COMCARG	*		IF (ASV) ARE STORED INTO (ADDR), THE FULL 60 BITS OF (ASV)		COMCARG	COMCARG	36	A
42	COMCARG	*		WILL BE USED. IF AN EQUIVALENCED VALUE IS SUPPLIED IN THE		COMCARG	COMCARG	37	A
43	COMCARG	*		ARGUMENT LIST, (ADDR) WILL BE SET TO THE UPPER 42 BITS OF		COMCARG	COMCARG	38	A
44	COMCARG	*		THE ARGUMENT VALUE (IN BITS 59-18) AND THE LOWER 18 BITS		COMCARG	COMCARG	39	A
45	COMCARG	*		OF (ASV) IN BITS 17-0.		COMCARG	COMCARG	40	A
46	COMCARG	*		IF ASV .LT. 0, ARGUMENT MUST NOT BE EQUIVALENCED.		COMCARG	COMCARG	41	A
47	COMCARG	*		IF STATUS = 4000B, A ZERO *0* PARAMETER IS RETAINED AS A		COMCARG	COMCARG	42	A
48	COMCARG	*		DISPLAY ZERO, OTHERWISE, A VALUE OF ZERO (FULL WORD) IS		COMCARG	COMCARG	43	A
49	COMCARG	*		STORED AT (ADDR).		COMCARG	COMCARG	44	A
50	COMCARG	*		IF ASV = ADDR, ONLY ONE ENTRY OF THAT ARGUMENT		COMCARG	COMCARG	45	A
51	COMCARG	*		WILL BE ALLOWED AND OP WILL BE SET TO -0.		COMCARG	COMCARG	46	A
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53		0	1	2	3	4	5	6	7
54		1234567890123456789012345678901234567890123456789012345678901234567890							

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCARG

COMCARG		SX7	X4-2	NOS/BE EQUIVALENCE SEPARATOR		CPS0287	12	A
COMCARG		NZ	X7,ARG5	IF ARGUMENT NOT EQUIVALENCED	COMCARG	COMCARG	96	A
COMCARG	ARG4.0	BSS	0			CPS0287	13	A
COMCARG		SA4	A4+B1	CHECK EQUIVALENCE	COMCARG	COMCARG	97	A
COMCARG		SB4	B4-B1		COMCARG	COMCARG	98	A
COMCARG		BX3	X4		COMCARG	COMCARG	99	A
COMCARG		AX4	42		COMCARG	COMCARG	100	A
COMCARG		NG	X2,ARG4.1	IF DISPLAY ZERO REQUESTED	COMCARG	COMCARG	101	A
COMCARG		SX2	X4-1L0		COMCARG	COMCARG	102	A
COMCARG	ARG4.1	ZR	X3,ARGX	IF BLANK, RETURN	COMCARG	COMCARG	103	A
COMCARG		NZ	X2,ARG5	IF NOT *0*	COMCARG	COMCARG	104	A
COMCARG		SX3	B0	CLEAR EQUIVALENCE	COMCARG	COMCARG	105	A
COMCARG		SX6	B0	CLEAR STATUS	COMCARG	COMCARG	106	A
COMCARG					COMCARG	COMCARG	107	A
COMCARG	*		ENTER ARGUMENT.		COMCARG	COMCARG	108	A
COMCARG					COMCARG	COMCARG	109	A
COMCARG	ARG5	BX3	X0*X3	MERGE ARGUMENT AND STATUS	COMCARG	COMCARG	110	A
COMCARG		IX7	X3+X6		COMCARG	COMCARG	111	A
COMCARG		SA7	B2	STORE ARGUMENT	COMCARG	COMCARG	112	A
COMCARG		SB3	B2-B3	CHECK ADDR = ASV	COMCARG	COMCARG	113	A
COMCARG		NZ	B3,ARG6	IF NOT EQUAL	COMCARG	COMCARG	114	A
COMCARG		SA2	A2		COMCARG	COMCARG	115	A
COMCARG		MX3	12		COMCARG	COMCARG	116	A
COMCARG		BX4	-X3*X2		COMCARG	COMCARG	117	A
COMCARG		BX7	X3+X4	SET OP = -0 IF ONLY ONE ARGUMENT ALLOWED	COMCARG	COMCARG	118	A
COMCARG		SA7	A2		COMCARG	COMCARG	119	A
COMCARG	ARG6	SB4	B4-B1	NEXT ARGUMENT	COMCARG	COMCARG	120	A
COMCARG		SA4	A4+B1		COMCARG	COMCARG	121	A
COMCARG		NZ	B4,ARG1	LOOP FOR ALL ARGUMENTS	COMCARG	COMCARG	122	A
COMCARG		SX1	B0	CLEAR ERROR	COMCARG	COMCARG	123	A
COMCARG		EQ	ARGX	RETURN	COMCARG	COMCARG	124	A
COMCARG	ARG	SPACE	4,10		COMCARG	COMCARG	125	A
COMCARG		BASE	*		COMCARG	COMCARG	126	A
COMCARG	QUAL\$	IF	-DEF,QUAL\$		COMCARG	COMCARG	127	A
COMCARG		QUAL	*		COMCARG	COMCARG	128	A
COMCARG	ARG	EQU	/COMCARG/ARG		COMCARG	COMCARG	129	A
COMCARG	ARG=	EQU	/COMCARG/ARG			F4720D	5	A
COMCARG	QUAL\$	ENDIF			COMCARG	COMCARG	130	A
COMCARG	ARG	ENDX			COMCARG	COMCARG	131	A

## SUMMARY OF UPDATE IDENTIFIERS WITHIN DECK - COMCARG

IDENTIFIER	TOTAL	ACTIVE
COMCARG	131	131
F4720D	1	1
CPS0287	6	6
CPSA245	9	9

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCCDD

51	COMCCDD	*COMDECK	COMCCDD	CONVERT CONSTANT TO DECIMAL DISPLAY CODE.												COMCCDD	COMCCDD	1	A	67
52																			68	
53	0	1	2	3	4	5	6	7	8									70		
54	1234567890123456789012345678901234567890123456789012345678901234567890																		72	



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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCCDD

COMCCDD	CDD	SUBR	ENTRY/EXIT	COMCCDD	COMCCDD	45	A
COMCCDD		SA2	CDDA	COMCCDD	COMCCDD	46	A
COMCCDD		SA3	A2+B1	COMCCDD	COMCCDD	47	A
COMCCDD		PX1	X1	COMCCDD	COMCCDD	48	A
COMCCDD		SB2	B0	COMCCDD	COMCCDD	49	A
COMCCDD		SA4	A3+B1	COMCCDD	COMCCDD	50	A
COMCCDD		SB3	1R0-1R	COMCCDD	COMCCDD	51	A
COMCCDD		SB4	6	COMCCDD	COMCCDD	52	A
COMCCDD		EQ	CDD1	COMCCDD	COMCCDD	53	A
COMCCDD				COMCCDD	COMCCDD	54	A
COMCCDD	CDDA	CON	0.1P48+1	COMCCDD	COMCCDD	55	A
COMCCDD		CON	10.P	COMCCDD	COMCCDD	56	A
COMCCDD		CON	1H	COMCCDD	COMCCDD	57	A
COMCCDD	CDD	SPACE	4,10	COMCCDD	COMCCDD	58	A
COMCCDD		BASE	*	COMCCDD	COMCCDD	59	A
COMCCDD	QUAL\$	IF	-DEF,QUAL\$	COMCCDD	COMCCDD	60	A
COMCCDD		QUAL	*	COMCCDD	COMCCDD	61	A
COMCCDD	CDD	EQU	/COMCCDD/CDD	COMCCDD	COMCCDD	62	A
COMCCDD	CDD=	EQU	/COMCCDD/CDD		F4720D	6	A
COMCCDD	QUAL\$	ENDIF		COMCCDD	COMCCDD	63	A
COMCCDD	CDD	ENDX		COMCCDD	COMCCDD	64	A

## SUMMARY OF UPDATE IDENTIFIERS WITHIN DECK - COMCCDD

IDENTIFIER	TOTAL	ACTIVE
COMCCDD	64	64
F4720D	1	1
CPSA245	9	9

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCCFD

COMCCFD	*COMDECK	COMCCFD	CONVERT CONSTANT TO F10.3 FORMAT.	COMCCFD	COMCCFD	1	A
COMCCFD	CFD	CTEXT	COMCCFD - CONVERT CONSTANT TO F10.3 FORMAT.	COMCCFD	COMCCFD	2	A
COMCCFD	CFD	SPACE	4,10	COMCCFD	COMCCFD	3	A
COMCCFD		IF	-DEF,QUAL\$,1	COMCCFD	COMCCFD	4	A
COMCCFD		QUAL	COMCCFD	COMCCFD	COMCCFD	5	A
COMCCFD		BASE	D	COMCCFD	COMCCFD	6	A
COMCCFD	*		COMMENT COPYRIGHT CONTROL DATA CORPORATION. 1971, 1978.	COMCCFD	COMCCFD	7	A
COMCCFD	CFD	SPACE	4,10	COMCCFD	COMCCFD	8	A
COMCCFD	***	CFD	- CONVERT CONSTANT TO F10.3 FORMAT.	COMCCFD	COMCCFD	9	A
COMCCFD	*			COMCCFD	COMCCFD	10	A
COMCCFD	*	J. C. BOHNHOFF.	71/08/15.	COMCCFD	COMCCFD	11	A
COMCCFD	*	C. J. CONRAD.	81/08/06.		CPSA243	5	A
COMCCFD	*				CPSA243	6	A
COMCCFD	*	*****			CPSA243	7	A
COMCCFD	*	* THIS COMMON DECK IS PART OF THE COMMON COMMON DECKS *			CPSA243	8	A
COMCCFD	*	* RESIDING ON THE COMPASS PROGRAM LIBRARY, AND BEING *			CPSA243	9	A
COMCCFD	*	* MAINTAINED BY THE COMPASS PROJECT. ANY CHANGES *			CPSA243	10	A
COMCCFD	*	* REQUIRED SHOULD BE DIRECTED TO THE COMPASS PROJECT *			CPSA243	11	A
COMCCFD	*	* THROUGH THE PROPER PROCEDURE. *			CPSA243	12	A
COMCCFD	*	*****			CPSA243	13	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCCFD

COMCCFD					COMCCFD	COMCCFD	40	A
COMCCFD	CFD	SUBR		ENTRY/EXIT	COMCCFD	COMCCFD	41	A
COMCCFD		SA2	CFDA	= .1P48+1	COMCCFD	COMCCFD	42	A
COMCCFD		SA3	CFDB	=10.0P	COMCCFD	COMCCFD	43	A
COMCCFD		MX4	-30		COMCCFD	COMCCFD	44	I
	-CPSA243							
COMCCFD		SA4	A2+B1	=7346544777B		CPSA243	27	A
COMCCFD		MX6	-30			CPSA243	28	A
COMCCFD		SB5	6		COMCCFD	COMCCFD	45	A
COMCCFD		BX6	-X4*X1	CHECK FOR ZERO	COMCCFD	COMCCFD	46	I
	-CPSA243							
COMCCFD		BX6	-X6*X1	DISCARD UPPER BITS		CPSA243	29	A
COMCCFD		SX7	1000		COMCCFD	COMCCFD	47	A
COMCCFD		ZR	X6,CFD3	IF ZERO	COMCCFD	COMCCFD	48	I
	-CPSA243							
COMCCFD		IX4	X4-X6			CPSA243	30	A
COMCCFD		MI	X4,CFD3	IF INPUT .GT. 999999.999		CPSA243	31	A
COMCCFD		SB4	1R0-1R	(B4) = CONVERSION	COMCCFD	COMCCFD	49	A
COMCCFD		SA4	A3+B1	(X4) = BACKGROUND	COMCCFD	COMCCFD	50	A
COMCCFD		PX1	X6		COMCCFD	COMCCFD	51	A
COMCCFD		IX7	X6-X7		COMCCFD	COMCCFD	52	A
COMCCFD		SB2	-B5		COMCCFD	COMCCFD	53	A
COMCCFD		PL	X7,CFD1	IF INTEGER PRESENT	COMCCFD	COMCCFD	54	A
COMCCFD		SB4	0		COMCCFD	COMCCFD	55	I
	-CPSA243							
COMCCFD		SA4	A4+1		COMCCFD	COMCCFD	56	I
	-CPSA243							
COMCCFD		SB4	B0			CPSA243	32	A
COMCCFD		SA4	A4+B1			CPSA243	33	A
COMCCFD	CFD1	DX6	X2*X1	EXTRACT REMAINDER	COMCCFD	COMCCFD	57	A
COMCCFD		FX1	X2*X1		COMCCFD	COMCCFD	58	A
COMCCFD		UX7	X1	CHECK QUOTIENT	COMCCFD	COMCCFD	59	A
COMCCFD		LX4	-6	SHIFT ASSEMBLY	COMCCFD	COMCCFD	60	A
COMCCFD		SB2	B2+B5	ADVANCE SHIFT COUNT	COMCCFD	COMCCFD	61	A
COMCCFD		FX6	X3*X6	EXTRACT DIGIT	COMCCFD	COMCCFD	62	A
COMCCFD		SX6	X6+B4	CONVERT DIGIT	COMCCFD	COMCCFD	63	A
COMCCFD		IX4	X6+X4		COMCCFD	COMCCFD	64	A
COMCCFD		NZ	X7,CFD1	LOOP TO ZERO QUOTIENT	COMCCFD	COMCCFD	65	A
COMCCFD		SX3	1R.	INSERT DECIMAL POINT	COMCCFD	COMCCFD	66	A
COMCCFD		MX2	-18	FRACTION MASK	COMCCFD	COMCCFD	67	A
COMCCFD		LX6	X4,B2	RIGHT JUSTIFY ASSEMBLY	COMCCFD	COMCCFD	68	A
COMCCFD		SB2	B2+12	CALCULATE SHIFT TO LEFT JUSTIFY	COMCCFD	COMCCFD	69	A
COMCCFD		LX3	18		COMCCFD	COMCCFD	70	A
COMCCFD		BX1	-X2*X6	EXTRACT FRACTION	COMCCFD	COMCCFD	71	A
COMCCFD		SB3	6*5		COMCCFD	COMCCFD	72	A
COMCCFD		IX7	X1+X3	ADD DECIMAL POINT	COMCCFD	COMCCFD	73	A
COMCCFD		BX4	X2*X6	EXTRACT INTEGER	COMCCFD	COMCCFD	74	A
COMCCFD		LX4	6		COMCCFD	COMCCFD	75	A
COMCCFD		IX6	X4+X7	ADD INTEGER INTO RESULT	COMCCFD	COMCCFD	76	A
COMCCFD		LT	B2,B3,CFD2	LEFT JUSTIFY RESULT	COMCCFD	COMCCFD	77	A
COMCCFD		SB3	B2+		COMCCFD	COMCCFD	78	A
COMCCFD	CFD2	SB3	B3-60		COMCCFD	COMCCFD	79	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCCIO

	COMCCIO	*				CPSA245	31	A		
1	COMCCIO	*				COMCCIO	COMCCIO	13	A	
2	COMCCIO	*				COMCCIO	COMCCIO	14	A	
3	COMCCIO	CIO				COMCCIO	COMCCIO	15	A	
4	COMCCIO	***				COMCCIO	COMCCIO	16	A	
5	COMCCIO	*				COMCCIO	COMCCIO	17	A	
6	COMCCIO	*				COMCCIO	COMCCIO	18	A	
7	COMCCIO	*				COMCCIO	COMCCIO	19	A	
8	COMCCIO	*				COMCCIO	COMCCIO	20	A	
9	COMCCIO	*				COMCCIO	COMCCIO	21	A	
10	COMCCIO	*				COMCCIO	COMCCIO	22	A	
11	COMCCIO	*					CPS0307	7	A	
12	COMCCIO	*					CPS0307	8	A	
13	COMCCIO	*					CPS0307	9	A	
14	COMCCIO	*					CPS0307	10	A	
15	COMCCIO	*				COMCCIO	COMCCIO	23	A	
16	COMCCIO	*				COMCCIO	COMCCIO	24	A	
17	COMCCIO	*				COMCCIO	COMCCIO	25	A	
18	COMCCIO	*				COMCCIO	COMCCIO	26	A	
19	COMCCIO	*				COMCCIO	COMCCIO	27	A	
20	COMCCIO	*				COMCCIO	COMCCIO	28	A	
21	COMCCIO	*				COMCCIO	COMCCIO	29	A	
22	COMCCIO	*				COMCCIO	COMCCIO	30	A	
23	COMCCIO	*				COMCCIO	COMCCIO	31	A	
24	COMCCIO	*				COMCCIO	COMCCIO	32	A	
25	COMCCIO	*				COMCCIO	COMCCIO	33	A	
26	COMCCIO	*				COMCCIO	COMCCIO	34	A	
27	COMCCIO	*				COMCCIO	COMCCIO	35	A	
28	COMCCIO	*				COMCCIO	COMCCIO	36	A	
29	COMCCIO	*				COMCCIO	COMCCIO	37	A	
30	COMCCIO	*				COMCCIO	COMCCIO	38	A	
31	COMCCIO	*				COMCCIO	COMCCIO	39	A	
32	COMCCIO	*				COMCCIO	COMCCIO	40	A	
33	COMCCIO	*				COMCCIO	COMCCIO	41	A	
34	COMCCIO	*				COMCCIO	COMCCIO	42	A	
35	COMCCIO	*				COMCCIO	COMCCIO	43	A	
36	COMCCIO	*				COMCCIO	COMCCIO	44	A	
37	COMCCIO	*				COMCCIO	COMCCIO	45	A	
38	COMCCIO	*				COMCCIO	COMCCIO	46	A	
39	COMCCIO	*				COMCCIO	COMCCIO	47	A	
40	COMCCIO	*				COMCCIO	COMCCIO	48	I	
41		-CPS0303								
42	COMCCIO	*					CPS0303	4	A	
43	COMCCIO					COMCCIO	COMCCIO	49	A	
44	COMCCIO					COMCCIO	COMCCIO	50	A	
45	COMCCIO	ERP\$	IF	DEF,ERP\$		COMCCIO	COMCCIO	51	A	
46	COMCCIO	CI01	BX7	X1	SET ERROR STATUS	COMCCIO	COMCCIO	52	A	
47	COMCCIO		SX2	X2	UNPACK FET ADDRESS	COMCCIO	COMCCIO	53	A	
48	COMCCIO		EQ	ERP\$	EXIT TO ERROR PROCESSOR	COMCCIO	COMCCIO	54	A	
49	COMCCIO	ERP\$	ELSE			COMCCIO	COMCCIO	55	A	
50	COMCCIO	ERP\$	IF	DEF,ERP1\$		COMCCIO	COMCCIO	56	A	
51	COMCCIO	CI01	BX7	X1	SET ERROR STATUS	COMCCIO	COMCCIO	57	A	
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCCIO

COMCCIO	SX2	X2	UNPACK FET ADDRESS	COMCCIO	COMCCIO	58	A
COMCCIO	EQ	CIOX	RETURN	COMCCIO	COMCCIO	59	I
-CPSA104							
COMCCIO	EQ	CIO=	RETURN	CPSA104	CPSA104	12	A
COMCCIO	ERP\$	ENDIF		COMCCIO	COMCCIO	60	A
COMCCIO				COMCCIO	COMCCIO	61	A
COMCCIO	CIO2	RECALL X2	WAIT COMPLETION OF LAST REQUEST	COMCCIO	COMCCIO	62	A
COMCCIO	CIO3	MX6	42	COMCCIO	COMCCIO	63	A
COMCCIO	ERP\$	IF	-DEF,ERP\$	COMCCIO	COMCCIO	64	A
COMCCIO	ERP\$	IF	-DEF,ERP1\$	COMCCIO	COMCCIO	65	A
COMCCIO	SX1	2	FILE MODE MASK	COMCCIO	COMCCIO	66	A
COMCCIO	ERP\$	ELSE		COMCCIO	COMCCIO	67	A
COMCCIO	SX1	36002B	ERROR CODE AND FILE MODE MASK	COMCCIO	COMCCIO	68	A
COMCCIO	ERP\$	ENDIF		COMCCIO	COMCCIO	69	A
COMCCIO	BX6	X6+X1		COMCCIO	COMCCIO	70	A
COMCCIO	SA1	X2	SET FILE NAME, MODE AND ERROR CODE	COMCCIO	COMCCIO	71	A
COMCCIO	BX1	X6+X1		COMCCIO	COMCCIO	72	A
COMCCIO	SX6	3RCIO	SET *CIO* REQUEST	COMCCIO	COMCCIO	73	A
COMCCIO	PL	X7,CIO4	IF NO AUTO RECALL WITH REQUEST	COMCCIO	COMCCIO	74	I
-CPS0307							
COMCCIO	PL	X2,CIO4	IF NOT ASTERISK OPTION	CPS0307		11	A
COMCCIO	BX7	X1+X7	MERGE FUNCTION CODE WITH FILE NAME	CPS0307		12	A
COMCCIO	SX2	X2	CLEAR BIT 2**59	CPS0307		13	A
COMCCIO	SA7	A1	STORE FET STATUS	CPS0307		14	A
COMCCIO	BX7	X7-X7	CLEAR ERROR STATUS	CPS0307		15	A
COMCCIO	EQ	CIO=	RETURN	CPS0307		16	A
COMCCIO				CPS0307		17	A
COMCCIO	CIO4	PL	X7,CIO5	IF NO AUTO RECALL WITH REQUEST	CPS0307	18	A
COMCCIO	BX7	-X7		COMCCIO	COMCCIO	75	A
COMCCIO	PX6	X6	SET AUTO RECALL	COMCCIO	COMCCIO	76	A
COMCCIO	CIO4	BX7	X1+X7	MERGE FUNCTION CODE WITH FILE NAME	COMCCIO	77	I
-CPS0307							
COMCCIO	CIO5	BX7	X1+X7	MERGE FUNCTION CODE WITH FILE NAME	CPS0307	19	A
COMCCIO	LX6	42		COMCCIO	COMCCIO	78	A
COMCCIO	ERP\$	IF	-DEF,ERP\$	COMCCIO	COMCCIO	79	A
COMCCIO	ERP\$	IF	-DEF,ERP1\$	COMCCIO	COMCCIO	80	A
COMCCIO	SA7	X2	STORE FET STATUS	COMCCIO	COMCCIO	81	A
COMCCIO	BX6	X6+X2	MERGE *CIO* REQUEST AND FET ADDRESS	COMCCIO	COMCCIO	82	A
COMCCIO	ERP\$	ELSE		COMCCIO	COMCCIO	83	A
COMCCIO	SX1	X1	UNPACK ERROR CODE	COMCCIO	COMCCIO	84	A
COMCCIO	BX6	X6+X2	MERGE *CIO* REQUEST AND FET ADDRESS	COMCCIO	COMCCIO	85	A
COMCCIO	AX1	10		COMCCIO	COMCCIO	86	A
COMCCIO	NZ	X1,CIO1	IF ERROR ON LAST OPERATION	COMCCIO	COMCCIO	87	A
COMCCIO	SA7	X2	STORE FET STATUS	COMCCIO	COMCCIO	88	A
COMCCIO	ERP\$	ENDIF		COMCCIO	COMCCIO	89	A
COMCCIO	SX2	X2	UNPACK FET ADDRESS	COMCCIO	COMCCIO	90	A
COMCCIO	BX7	X7-X7	CLEAR ERROR STATUS	COMCCIO	COMCCIO	91	A
COMCCIO	SYSTEM		MAKE REQUEST TO *CIO*	COMCCIO	COMCCIO	92	A
COMCCIO				COMCCIO	COMCCIO	93	A
COMCCIO	CIO=	SUBR	ENTRY/EXIT	COMCCIO	COMCCIO	94	A
COMCCIO	SA1	X2	CHECK FET STATUS	COMCCIO	COMCCIO	95	A
COMCCIO	LX1	59-0		COMCCIO	COMCCIO	96	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCCOD

COMCCOD	COD=	EQU	/COMCCOD/COD
COMCCOD	QUAL\$	ENDIF	
COMCCOD	COD	ENDX	

F4720D	8	A
COMCCOD	56	A
COMCCOD	57	A

## SUMMARY OF UPDATE IDENTIFIERS WITHIN DECK - COMCCOD

IDENTIFIER	TOTAL	ACTIVE
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COMCCOD	57	57
F4720D	1	1
CPSA245	9	9

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCCPM

COMCCPM	*COMDECK	COMCCPM	
COMCCPM	CTEXT	COMCCPM	- CONTROL POINT MANAGER PROCESSOR.

COMCCPM	1	A
COMCCPM	2	A

COMCCPM	CPM	SPACE	4
COMCCPM	IF	-DEF,QUAL\$,1	
COMCCPM	QUAL	COMCCPM	

COMCCPM	3	A
COMCCPM	4	A
COMCCPM	5	A

COMCCPM		BASE	D
COMCCPM	*	COMMENT	COPYRIGHT CONTROL DATA CORP. 1970.
COMCCPM	CPM	SPACE	4

COMCCPM	6	A
COMCCPM	7	A
COMCCPM	8	A

COMCCPM	***	CPM	- CONTROL POINT MANAGER PROCESSOR.
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COMCCPM	9	A
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COMCCPM	*		
COMCCPM	*	G. R. MANSFIELD.	70/10/09.

COMCCPM	10	A
COMCCPM	11	A

COMCCPM	*		
COMCCPM	*	*****	
COMCCPM	*	* THIS COMMON DECK IS PART OF THE COMMON COMMON DECKS *	
COMCCPM	*	* RESIDING ON THE COMPASS PROGRAM LIBRARY, AND BEING *	
COMCCPM	*	* MAINTAINED BY THE COMPASS PROJECT. ANY CHANGES *	
COMCCPM	*	* REQUIRED SHOULD BE DIRECTED TO THE COMPASS PROJECT *	
COMCCPM	*	* THROUGH THE PROPER PROCEDURE. *	
COMCCPM	*	*****	

COMCCPM	12	A
COMCCPM	13	A
COMCCPM	14	A
COMCCPM	15	A
COMCCPM	16	A
COMCCPM	17	A
COMCCPM	18	A
COMCCPM	19	A
COMCCPM	20	A

COMCCPM	*		
COMCCPM	*	CPM CALLS THE PP PROGRAM *CPM*.	
COMCCPM	CPM	SPACE	4

COMCCPM	21	A
COMCCPM	22	A
COMCCPM	23	A

COMCCPM	***	CPM CALLS THE PP PROGRAM *CPM* TO PERFORM TASKS	
COMCCPM	*	INVOLVING CONTROL POINT ACTIVITY.	
COMCCPM	*		

COMCCPM	24	A
COMCCPM	25	A
COMCCPM	26	A

COMCCPM	*	ENTRY	(X1) = PARAMETER.
COMCCPM	*		(X2) = REQUEST.
COMCCPM	*		

COMCCPM	27	A
COMCCPM	28	A
COMCCPM	29	A

COMCCPM	*	EXIT	NONE.
COMCCPM	*		

COMCCPM	30	A
COMCCPM	31	A

COMCCPM	*	USES	X - 1, 2, 6.
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COMCCPM	32	A
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COMCCPM	*		B - NONE.
COMCCPM	*		A - NONE.
COMCCPM	*		

COMCCPM	33	A
COMCCPM	34	A
COMCCPM	35	A

COMCCPM	*	CALLS	SYS=.
COMCCPM			
COMCCPM			

COMCCPM	36	A
COMCCPM	37	A
COMCCPM	38	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCCPT

	COMCCPT	*	BOTH OLD AND NEW FORMS OF THE PREFIX TABLE ARE HANDLED,				COMCCPT	COMCCPT	17	A
1	COMCCPT	*	AND ARE DIFFERENTIATED BY CHECKING IF WORD (FWA+3) OF THE				COMCCPT	COMCCPT	18	A
2	COMCCPT	*	PREFIX TABLE LOOKS LIKE A TIME-OF-DAY WORD. THE COPY				COMCCPT	COMCCPT	19	A
3	COMCCPT	*	TERMINATES ON END OF TABLE, ZERO BYTE, OR *COPYRIGHT*				COMCCPT	COMCCPT	20	A
4	COMCCPT	*	AND THE WORKING STORAGE AREA IS TERMINATED BY A ZERO WORD.				COMCCPT	COMCCPT	21	A
5	COMCCPT	*					COMCCPT	COMCCPT	22	A
6	COMCCPT	*	ENTRY (A1) = PREFIX TABLE ADDRESS.				COMCCPT	COMCCPT	23	A
7	COMCCPT	*	(X1) = CONTROL WORD.				COMCCPT	COMCCPT	24	A
8	COMCCPT	*	(A6) = ADDRESS OF WORKING STORAGE - 1.				COMCCPT	COMCCPT	25	A
9	COMCCPT	*	(B1) = 1.				COMCCPT	COMCCPT	26	A
10	COMCCPT	*					COMCCPT	COMCCPT	27	A
11	COMCCPT	*	EXIT NONE.				COMCCPT	COMCCPT	28	A
12	COMCCPT	*					COMCCPT	COMCCPT	29	A
13	COMCCPT	*	USES A - 2, 3, 4, 6.				COMCCPT	COMCCPT	30	A
14	COMCCPT	*	B - 3, 4.				COMCCPT	COMCCPT	31	A
15	COMCCPT	*	X - 1, 2, 3, 4, 6.				COMCCPT	COMCCPT	32	A
16	COMCCPT	*					COMCCPT	COMCCPT	33	A
17	COMCCPT	*	CALLS NONE.				COMCCPT	COMCCPT	34	A
18	COMCCPT						COMCCPT	COMCCPT	35	A
19	COMCCPT						COMCCPT	COMCCPT	36	A
20	COMCCPT	CPT	SUBR	ENTRY/EXIT			COMCCPT	COMCCPT	37	A
21	COMCCPT		LX1	18			COMCCPT	COMCCPT	38	A
22	COMCCPT		SX3	X1-770000B CHECK FOR PREFIX TABLE			COMCCPT	COMCCPT	39	A
23	COMCCPT		LX1	6			COMCCPT	COMCCPT	40	A
24	COMCCPT		NZ	X3,CPT2 IF NO PREFIX TABLE			COMCCPT	COMCCPT	41	A
25	COMCCPT		SB4	B1+B1			COMCCPT	COMCCPT	42	A
26	COMCCPT		SB3	X1+B1 SET LENGTH OF TABLE			COMCCPT	COMCCPT	43	A
27	COMCCPT		SA3	CPTA			COMCCPT	COMCCPT	44	A
28	COMCCPT		LE	B3,B4,CPT2 IF TOO SHORT TO COPY			COMCCPT	COMCCPT	45	A
29	COMCCPT		SA4	A1+3			COMCCPT	COMCCPT	46	A
30	COMCCPT		BX1	X3*X4			COMCCPT	COMCCPT	47	A
31	COMCCPT		SA2	A3+B1			COMCCPT	COMCCPT	48	A
32	COMCCPT		SA4	A1+B4			COMCCPT	COMCCPT	49	A
33	COMCCPT		BX6	X1-X2			COMCCPT	COMCCPT	50	A
34	COMCCPT		SA3	A2+B1			COMCCPT	COMCCPT	51	A
35	COMCCPT		MX1	-12			COMCCPT	COMCCPT	52	A
36	COMCCPT		NZ	X6,CPT1 IF OLD TABLE FORMAT			COMCCPT	COMCCPT	53	A
37	COMCCPT		SB4	7			COMCCPT	COMCCPT	54	I
38		-CPSA104								
39	COMCCPT		SB4	10B INDEX TO COMMENTS FIELD			CPSA104	CPSA104	14	A
40	COMCCPT		LE	B3,B4,CPT2 IF TOO SHORT TO COPY			CPSA104	CPSA104	15	A
41	COMCCPT		SA4	A1+B4			CPSA104	CPSA104	16	A
42	COMCCPT	CPT1	BX2	X4-X3			COMCCPT	COMCCPT	55	A
43	COMCCPT		LX6	X4			COMCCPT	COMCCPT	56	A
44	COMCCPT		ZR	X2,CPT2 IF *COPYRIGHT*			COMCCPT	COMCCPT	57	A
45	COMCCPT		BX4	-X1*X4			COMCCPT	COMCCPT	58	A
46	COMCCPT		SA6	A6+B1			COMCCPT	COMCCPT	59	A
47	COMCCPT		ZR	X4,CPTX IF END OF DATA			COMCCPT	COMCCPT	60	A
48	COMCCPT		SB4	B4+B1			COMCCPT	COMCCPT	61	A
49	COMCCPT		SA4	A1+B4 READ NEXT ENTRY			COMCCPT	COMCCPT	62	A
50	COMCCPT		NE	B4,B3,CPT1			COMCCPT	COMCCPT	63	A
51	COMCCPT	CPT2	BX6	X6-X6 CLEAR END OF BUFFER			COMCCPT	COMCCPT	64	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCDXB

COMCDXB	***	DXB CONVERTS ONE WORD OF DISPLAY CODE DIGITS TO AN	COMCDXB	COMCDXB	17	I
1	-CPS0279					
2	COMCDXB ***	DXB CONVERTS A STRING OF DISPLAY CODE DIGITS CONTAINED WITHIN		CPS0279	5	A
3	COMCDXB *	ONE WORD, LEFT-JUSTIFIED, ZERO-FILLED		CPS0279	6	A
4	COMCDXB *	INTEGER VALUE. CONVERSION ASSUMES EITHER BASE 8 OR 10 AS	COMCDXB	COMCDXB	18	A
5	COMCDXB *	SPECIFIED IN THE CALL, BUT THIS IS OVERRIDDEN IF AN EXPLICIT	COMCDXB	COMCDXB	19	A
6	COMCDXB *	*B* (OCTAL) OR *D* (DECIMAL) IS THE LAST CHARACTER.	COMCDXB	COMCDXB	20	A
7	COMCDXB *		COMCDXB	COMCDXB	21	A
8	COMCDXB *	THE ASSEMBLY OPTION *DXB1\$* CONTROLS THE PROCESSING OF	COMCDXB	COMCDXB	22	A
9	COMCDXB *	AN 8 OR 9 IN AN ASSUMED OCTAL VALUE WHERE NO EXPLICIT *B* OR	COMCDXB	COMCDXB	23	A
10	COMCDXB *	*D* APPEARS. IF *DXB1\$* IS NOT DEFINED, THIS CASE IS TREATED	COMCDXB	COMCDXB	24	A
11	COMCDXB *	AS AN ERROR; IF *DXB1\$* IS DEFINED, THE VALUE IS INTERPRETED	COMCDXB	COMCDXB	25	A
12	COMCDXB *	AS DECIMAL.	COMCDXB	COMCDXB	26	A
13	COMCDXB *		COMCDXB	COMCDXB	27	A
14	COMCDXB *	THE FOLLOWING ARE ALWAYS ERRORS -	COMCDXB	COMCDXB	28	A
15	COMCDXB *	(1.) PRESENCE OF NON-DIGIT IN WORD.	COMCDXB	COMCDXB	29	I
16	-CPS0279					
17	COMCDXB *	(1.) PRESENCE OF NON-DIGIT IN STRING, EXCEPT IN POST-RADIX.		CPS0279	7	A
18	COMCDXB *	(2.) PRESENCE OF CHARACTER AFTER POST RADIX.	COMCDXB	COMCDXB	30	A
19	COMCDXB *	(3.) PRESENCE OF 8 OR 9 WITH POST RADIX = B.	COMCDXB	COMCDXB	31	A
20	COMCDXB *		COMCDXB	COMCDXB	32	A
21	COMCDXB *		COMCDXB	COMCDXB	33	A
22	COMCDXB *	ENTRY (X5) = WORD TO CONVERT.	COMCDXB	COMCDXB	34	A
23	COMCDXB *	(B7) .GT. 0 IF DECIMAL BASE ASSUMED.	COMCDXB	COMCDXB	35	A
24	COMCDXB *	(B7) = 0 IF OCTAL BASE ASSUMED.	COMCDXB	COMCDXB	36	A
25	COMCDXB *	(B1) = 1.	COMCDXB	COMCDXB	37	A
26	COMCDXB *		COMCDXB	COMCDXB	38	A
27	COMCDXB *	EXIT (X6) = CONVERTED DIGITS.	COMCDXB	COMCDXB	39	A
28	COMCDXB *	(X4) .NE. 0 IF ERROR IN ASSEMBLY.	COMCDXB	COMCDXB	40	A
29	COMCDXB *		COMCDXB	COMCDXB	41	A
30	COMCDXB *	USES X - 0, 1, 2, 3, 4, 5, 6, 7.	COMCDXB	COMCDXB	42	A
31	COMCDXB *	B - 2, 3, 4, 5.	COMCDXB	COMCDXB	43	A
32	COMCDXB *	A - NONE.	COMCDXB	COMCDXB	44	A
33	COMCDXB *		COMCDXB	COMCDXB	45	A
34	COMCDXB *	CALLS NONE.	COMCDXB	COMCDXB	46	A
35	COMCDXB		COMCDXB	COMCDXB	47	A
36	COMCDXB		COMCDXB	COMCDXB	48	A
37	COMCDXB DXB1	LX2 X7,B2 DECIMAL * 10	COMCDXB	COMCDXB	49	A
38	COMCDXB	IX7 X2+X7	COMCDXB	COMCDXB	50	A
39	COMCDXB	LX6 3 OCTAL * 8	COMCDXB	COMCDXB	51	A
40	COMCDXB	BX2 -X3*X1 8/9 PRESENCE	COMCDXB	COMCDXB	52	A
41	COMCDXB	LX7 1	COMCDXB	COMCDXB	53	A
42	COMCDXB	BX6 X6+X1 OCTAL + NEW DIGIT	COMCDXB	COMCDXB	54	A
43	COMCDXB	IX7 X7+X1 DECIMAL + NEW DIGIT	COMCDXB	COMCDXB	55	A
44	COMCDXB	SB5 B5+X2 NOTE 8/9	COMCDXB	COMCDXB	56	A
45	COMCDXB DXB2	LX5 6 NEXT CHARACTER	COMCDXB	COMCDXB	57	A
46	COMCDXB	BX1 -X0*X5	COMCDXB	COMCDXB	58	A
47	COMCDXB	SB4 X1 CHECK CHARACTER	COMCDXB	COMCDXB	59	A
48	COMCDXB	LX2 X4,B4	COMCDXB	COMCDXB	60	A
49	COMCDXB	SX1 X1+B3 CONVERT CHARACTER	COMCDXB	COMCDXB	61	A
50	COMCDXB	BX5 X0*X5 CLEAR CHARACTER	COMCDXB	COMCDXB	62	A
51	COMCDXB	NG X2,DXB1 LOOP IF DIGIT	COMCDXB	COMCDXB	63	A
52						
53	0	1	2	3	4	5
54	123456789012345678901234567890123456789012345678901234567890					
55						
56						
57						
58						
59						
60						



LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCDXB

	COMCDXB					COMCDXB	COMCDXB	64	A	
1	COMCDXB	*	CHECK FOR POST RADIX SPECIFICATION.			COMCDXB	COMCDXB	65	A	
2	COMCDXB					COMCDXB	COMCDXB	66	A	
3	COMCDXB	DXB1\$	IF	-DEF,DXB1\$		COMCDXB	COMCDXB	67	A	
4	COMCDXB		SB3	B7	OCTAL/DECIMAL FLAG	COMCDXB	COMCDXB	68	A	
5	COMCDXB		ZR	B4,DXB3	IF END OF ASSEMBLY	COMCDXB	COMCDXB	69	A	
6	COMCDXB		SB3	B4-B2		COMCDXB	COMCDXB	70	A	
7	COMCDXB		ZR	B3,DXB3	IF EXPLICIT *B*	COMCDXB	COMCDXB	71	A	
8	COMCDXB		NE	B3,B2,DXBX	IF OTHER BUT NOT *D* (ERROR), RETURN	COMCDXB	COMCDXB	72	A	
9	COMCDXB	DXB3	NZ	X5,DXBX	IF MORE CHARACTERS (ERROR), RETURN	COMCDXB	COMCDXB	73	A	
10	COMCDXB		SX4	B5+	CLEAR ERROR FLAG UNLESS 8 OR 9 PRESENT	COMCDXB	COMCDXB	74	A	
11	COMCDXB		ZR	B3,DXBX	IF BASE = OCTAL, RETURN	COMCDXB	COMCDXB	75	A	
12	COMCDXB		BX6	X7	SET DECIMAL	COMCDXB	COMCDXB	76	A	
13	COMCDXB		SX4	B0	CLEAR ERROR FLAG	COMCDXB	COMCDXB	77	A	
14	COMCDXB	DXB1\$	ELSE			COMCDXB	COMCDXB	78	A	
15	COMCDXB		SB3	B5+B7	SET BASE (ASSUMED OR 8/9)	COMCDXB	COMCDXB	79	A	
16	COMCDXB		ZR	B4,DXB3	IF END OF ASSEMBLY	COMCDXB	COMCDXB	80	A	
17	COMCDXB		SB3	B2+B2	BASE = DECIMAL	COMCDXB	COMCDXB	81	I	
18		-CPS0279								
19	COMCDXB		SB3	B4-B2			CPS0279	8	A	
20	COMCDXB		NZ	X5,DXBX	IF NOT LAST CHARACTER, RETURN	COMCDXB	COMCDXB	82	A	
21	COMCDXB		EQ	B4,B3,DXB3	IF *D*	COMCDXB	COMCDXB	83	I	
22		-CPS0279								
23	COMCDXB		SB5	B4-B5		COMCDXB	COMCDXB	84	I	
24		-CPS0279								
25	COMCDXB		NE	B5,B2,DXBX	IF NOT *B* OR *B* AND 8/9 PRESENT, RETURN	COMCDXB	COMCDXB	85	I	
26		-CPS0279								
27	COMCDXB		EQ	B3,B2,DXB3	IF *D*		CPS0279	9	A	
28	COMCDXB		NZ	B3,DXBX	IF NOT *B*		CPS0279	10	A	
29	COMCDXB		NZ	B5,DXBX	IF 8/9 PRESENT.		CPS0279	11	A	
30	COMCDXB		SB3	B0	SET OCTAL	COMCDXB	COMCDXB	86	A	
31	COMCDXB	DXB3	MX4	0	CLEAR ERROR	COMCDXB	COMCDXB	87	A	
32	COMCDXB		ZR	B3,DXBX	IF BASE = OCTAL, RETURN	COMCDXB	COMCDXB	88	A	
33	COMCDXB		BX6	X7	SET DECIMAL	COMCDXB	COMCDXB	89	A	
34	COMCDXB	DXB1\$	ENDIF			COMCDXB	COMCDXB	90	A	
35	COMCDXB					COMCDXB	COMCDXB	91	A	
36	COMCDXB	DXB	SUBR		ENTRY/EXIT	COMCDXB	COMCDXB	92	A	
37	COMCDXB		SX4	7774B	MASK FOR (0123456789)	COMCDXB	COMCDXB	93	A	
38	COMCDXB		MX0	-6	(X0) = CHARACTER MASK	COMCDXB	COMCDXB	94	A	
39	COMCDXB		SX6	B0	CLEAR OCTAL	COMCDXB	COMCDXB	95	A	
40	COMCDXB		SB2	B1+B1	(B2) = 2	COMCDXB	COMCDXB	96	A	
41	COMCDXB		BX7	X7-X7	CLEAR DECIMAL	COMCDXB	COMCDXB	97	A	
42	COMCDXB		SB3	-1R0	(B3) = CONVERSION CONSTANT	COMCDXB	COMCDXB	98	A	
43	COMCDXB		SB5	6	TEST FIRST CHARACTER	COMCDXB	COMCDXB	99	A	
44	COMCDXB		LX2	X5,B5		COMCDXB	COMCDXB	100	A	
45	COMCDXB		BX3	-X0*X2		COMCDXB	COMCDXB	101	A	
46	COMCDXB		ZR	X3,DXB3	IF ZERO WORD	COMCDXB	COMCDXB	102	A	
47	COMCDXB		SX2	X3+B3		COMCDXB	COMCDXB	103	A	
48	COMCDXB		LX4	21		COMCDXB	COMCDXB	104	A	
49	COMCDXB		NG	X2,DXBX	IF FIRST CHARACTER ALPHABETIC, RETURN	COMCDXB	COMCDXB	105	A	
50	COMCDXB		SB5	B0+	CLEAR 8/9 PRESENT	COMCDXB	COMCDXB	106	A	
51	COMCDXB		SX3	7	MASK FOR 8/9	COMCDXB	COMCDXB	107	A	

0	1	2	3	4	5	6	7	8
12345678901	23456789012	34567890123	45678901234	56789012345	67890123456	78901234567	89012345678	90123456789



LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCDXB

COMCDXB		EQ	DXB2	ENTER CONVERSION LOOP	COMCDXB	COMCDXB	108	A
COMCDXB	DXB	SPACE	4,10		COMCDXB	COMCDXB	109	A
COMCDXB		BASE	*		COMCDXB	COMCDXB	110	A
COMCDXB	QUAL\$	IF	-DEF,QUAL\$		COMCDXB	COMCDXB	111	A
COMCDXB		QUAL	*		COMCDXB	COMCDXB	112	A
COMCDXB	DXB	EQU	/COMCDXB/DXB		COMCDXB	COMCDXB	113	A
COMCDXB	DXB=	EQU	/COMCDXB/DXB			F4720D	10	A
COMCDXB	QUAL\$	ENDIF			COMCDXB	COMCDXB	114	A
COMCDXB	DXB	ENDX			COMCDXB	COMCDXB	115	A

SUMMARY OF UPDATE IDENTIFIERS WITHIN DECK - COMCDXB

IDENTIFIER	TOTAL	ACTIVE
COMCDXB	115	109
F4720D	1	1
CPS0279	7	7
CPSA245	9	9

LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCMNS

COMCMNS	*COMDECK	COMCMNS		F4720C	5	A
COMCMNS	MNS	CTEXT	COMCMNS - MOVE NON-OVERLAPPING STRING.	F4720C	6	A
COMCMNS	MNS	SPACE	4,10	F4720C	7	A
COMCMNS		IF	-DEF,QUAL\$,1	F4720C	8	A
COMCMNS		QUAL	COMCMNS	F4720C	9	A
COMCMNS		BASE	D	F4720C	10	A
COMCMNS	*	COMMENT	COPYRIGHT CONTROL DATA CORPORATION 1978.	F4720C	11	A
COMCMNS	MNS	SPACE	4,10	F4720C	12	A
COMCMNS	***	MNS	- MOVE NON-OVERLAPPING BIT STRING.	F4720C	13	A
COMCMNS	*			F4720C	14	A
COMCMNS	*	R. E. JAMES.	77/09/09.	F4720C	15	A
COMCMNS	*	L. D. HARE.	78/04/12.	F4720C	16	A
COMCMNS	*	L. D. HARE.	79/11/15 (CMU CODE).	F233CMU	6	A
COMCMNS	*			CPSA245	59	A
COMCMNS	*	*****		CPSA245	60	A
COMCMNS	*	* THIS COMMON DECK IS PART OF THE COMMON COMMON DECKS *		CPSA245	61	A
COMCMNS	*	* RESIDING ON THE COMPASS PROGRAM LIBRARY, AND BEING *		CPSA245	62	A
COMCMNS	*	* MAINTAINED BY THE COMPASS PROJECT. ANY CHANGES *		CPSA245	63	A
COMCMNS	*	* REQUIRED SHOULD BE DIRECTED TO THE COMPASS PROJECT *		CPSA245	64	A
COMCMNS	*	* THROUGH THE PROPER PROCEDURE. *		CPSA245	65	A
COMCMNS	*	*****		CPSA245	66	A
COMCMNS	*			CPSA245	67	A
COMCMNS	*			F4720C	17	A
COMCMNS	*	MNS WILL MOVE A BIT STRING FROM ONE CM LOCATION TO ANOTHER,		F4720C	18	A
COMCMNS	*	NO-OVERLAP ALLOWED.		F4720C	19	A
COMCMNS	MNS	SPACE	4,10	F4720C	20	A
COMCMNS	***	MNS WILL MOVE A SPECIFIED SOURCE STRING FROM ONE LOCATION		F4720C	21	A
COMCMNS	*	TO ANOTHER IN CENTRAL MEMORY. THE ONLY BITS DISTURBED IN		F4720C	22	A
COMCMNS	*	THE DESTINATION FIELD WILL BE THOSE EXTRACTED TO ACCEPT		F4720C	23	A
COMCMNS	*	THE SOURCE. THE DESTINATION FIELD MAY NOT OVERLAP THE SOURCE		F4720C	24	A
COMCMNS	*	FIELD IN ANY RESPECT, RESULTS ARE UNDEFINED IF THIS OCCURS.		F4720C	25	A

0	1	2	3	4	5	6	7	8
12345678901	23456789012	34567890123	45678901234	56789012345	67890123456	78901234567	89012345678	90123456789



## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCMNS

COMCMNS	*	/ABCDEF/ /XXXXXX/ X4 =(XXX...)										F4720C	60	A				
COMCMNS	MNS40	GT	B2,B4,MNS50	IF 1*ST BIT SOURCE .GT. 1*ST BIT DEST.							F4720C	61	A					
COMCMNS		SB4	B3+B5	CORRECT SHIFT COUNT							F4720C	62	A					
COMCMNS		LX7	X1,B4	/ / / / / /DEFABC/							F4720C	63	A					
COMCMNS		BX6	-X6*X7	/ / / / / /...ABC/							F4720C	64	A					
COMCMNS		BX6	X4+X6	/ / / / / /XXXABC/							F4720C	65	A					
COMCMNS		MI	X0,MNS120	IF BOTH FINISH IN ONE WORD							F4720C	66	A					
COMCMNS		SX1	B1								F4720C	67	A					
COMCMNS		LX2	X1,B4								F4720C	68	A					
COMCMNS		SB3	B3+B5	CORRECT SHIFT COUNT							F4720C	69	A					
COMCMNS		IX4	X1-X2	MASK							F4720C	70	A					
COMCMNS		BX3	X4*X7	/ / /DEF.../ / / /							F4720C	71	A					
COMCMNS		EQ	MNS60	CONTINUE							F4720C	72	A					
COMCMNS											F4720C	73	A					
COMCMNS	*	FIRST BIT SOURCE .GT. FIRST BIT DESTINATION.										F4720C	74	A				
COMCMNS	*											F4720C	75	A				
COMCMNS	*	SITUATION FOR	/	X1	/	X2	/	X3	/	X5	/	X6	/	X7	/	F4720C	76	A
COMCMNS	*	THIS CASE IS:	/	YYYYAB/	/	XXXXXX/	X4 =(XXX...)	/								F4720C	77	A
COMCMNS	MNS50	LX7	X1,B3	/ / / / / /YYYABY/							F4720C	78	A					
COMCMNS		BX6	-X6*X7	/ / / / / /...ABY/							F4720C	79	A					
COMCMNS		SX1	B1								F4720C	80	A					
COMCMNS		LX2	X1,B3								F4720C	81	A					
COMCMNS		BX6	X4+X6	/ / / / /XXXABY/							F4720C	82	A					
COMCMNS		IX4	X1-X2	MASK							F4720C	83	A					
COMCMNS		SA1	A1+B1	/CDEFGH/ / / / /							F4720C	84	A					
COMCMNS		BX2	X4*X6	/ /XXXAB./ / / /							F4720C	85	A					
COMCMNS		LX7	X1,B3	/ / / / / /DEFGHC/							F4720C	86	A					
COMCMNS		BX1	-X4*X7	/...C/ / / / /							F4720C	87	A					
COMCMNS		BX6	X2+X1	/ / / / /XXXABC/							F4720C	88	A					
COMCMNS		MI	X0,MNS110	IF ALL FITS IN ONE WORD							F4720C	89	A					
COMCMNS		BX3	X4*X7	/ / /DEFGH./ / / /							F4720C	90	A					
COMCMNS											F4720C	91	A					
COMCMNS	*	DESTINATION FIELD EXTENDS OVER A WORD BOUNDARY.										F4720C	92	A				
COMCMNS	*	NOTE: COMMENTS CONTINUE FROM *MNS40* CODE.										F4720C	93	A				
COMCMNS	*											F4720C	94	A				
COMCMNS	*	SITUATION:	/	X1	/	X2	/	X3	/	X5	/	X6	/	X7	/	F4720C	95	A
COMCMNS	*		/		/		/	DEF.../	/		/	XXXABC/	/			F4720C	96	A
COMCMNS											F4720C	97	A					
COMCMNS	MNS60	SX7	B5+B5								F4720C	98	A					
COMCMNS		SA6	A3	/ / / / /*STOR*/							F4720C	99	A					
COMCMNS		IX0	X0-X7	/ / /DEF.../ / / /							F4720C	100	A					
COMCMNS		SA1	A1+B1	/GHIJKL/ / / / /							F4720C	101	A					
COMCMNS		MI	X0,MNS90	IF 2 WORD FIT							F4720C	102	A					
COMCMNS											F4720C	103	A					
COMCMNS	*	SITUATION:	/	X1	/	X2	/	X3	/	X5	/	X6	/	X7	/	F4720C	104	A
COMCMNS	*		/	GHIJKL/	/		/	DEF.../	/		/		/			F4720C	105	A
COMCMNS											F4720C	106	A					
COMCMNS		SA2	A1+B1	/ /MNOPQR/ / / / /							F4720C	107	A					
COMCMNS		LX5	X1,B3	/ / / / /JKLGHI/ / / /							F4720C	108	A					
COMCMNS		SA1	A2+B1	/STUVWX/ / / / /							F4720C	109	A					

0 1 2 3 4 5 6 7 8  
123456789012345678901234567890123456789012345678901234567890

## 14121HE

76



## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCMNS

COMCMNS	*	JUMPED:	/456789/	/123.../	/	/	/	F4720C	164	A
COMCMNS	*	FALL THROUGH:	/+-*/( )/	/789.../	/	/	/	F4720C	165	A
COMCMNS								F4720C	166	A
COMCMNS	MNS100	LX7	X1,B3	/	/	/	/	F4720C	167	A
COMCMNS		BX2	-X4*X7	/	/...+*-/	/	/	F4720C	168	A
COMCMNS		BX6	X3+X2	/	/	/	/789+*-/	F4720C	169	A
COMCMNS		SA3	A6+B1	/	/	/XXXXXX/	/	F4720C	170	A
COMCMNS								F4720C	171	A
COMCMNS	*	SITUATION:	/	X1	/	X2	/	F4720C	172	A
COMCMNS	*	JUMPED:	/	/	/XXXXXX/	/	XXXABC/DEFABC/	F4720C	173	A
COMCMNS	*	FALL THROUGH:	/+-*/( )/	...+*-/XXXXXX/	/	789+*-/	/	F4720C	174	A
COMCMNS								F4720C	175	A
COMCMNS	MNS110	SB2	X0+B3					F4720C	176	A
COMCMNS		SX2	A1-B1	COMPENSATE FOR READ AHEAD				F4720C	177	A
COMCMNS		LT	B2,MNS120	IF LAST WORD WAS FROM READ AHEAD				F4720C	178	A
COMCMNS		SX2	A1					F4720C	179	A
COMCMNS		SB3	B3-B5					F4720C	180	A
COMCMNS	MNS120	SB4	X0+B5	DESTINATION BIT POSITION				F4720C	181	A
COMCMNS		SX4	A3	DESTINATION WORD ADDRESS				F4720C	182	A
COMCMNS		SB2	B4+B3	SOURCE BIT POSITION				F4720C	183	A
COMCMNS		ZR	B4,MNS	IF FINISHED				F4720C	184	A
COMCMNS		SB3	B4-B1					F4720C	185	A
COMCMNS		AX0	X5,B3	MASK				F4720C	186	A
COMCMNS		BX1	X0*X6	/789.../	/	/	/	F4720C	187	A
COMCMNS		BX7	-X0*X3	/	/	/	/...XXX/	F4720C	188	A
COMCMNS		BX6	X1+X7	/	/	/	/789XXX/	F4720C	189	A
COMCMNS		SA6	A3	/	/	/	/*STOR*/	F4720C	190	A
COMCMNS								F4720C	191	A
COMCMNS	*	ENTER HERE, DETERMINE PRESENCE OF *CMU*.						F233CMU	25	A
COMCMNS								F233CMU	26	A
COMCMNS	MNS	SUBR	ENTRY/EXIT..					F233CMU	27	A
COMCMNS								F233CMU	28	A
COMCMNS	MNS02	SA3	MNSA	INITIAL *WITH CMU* CODE				F233CMU	29	A
COMCMNS		RJ	MNS32	PERFORM ONE TIME INITIALIZATION				F233CMU	30	A
COMCMNS								F233CMU	31	A
COMCMNS	*	THE ABOVE INSTRUCTIONS WILL BE REPLACED BY:						F233CMU	32	A
COMCMNS	*							F233CMU	33	A
COMCMNS	*	WITH CMU:-	SB5 60	BITS PER WORD				F233CMU	34	A
COMCMNS	*		SA1 MNSC	1S48/6 + 1				F233CMU	35	A
COMCMNS	*							F233CMU	36	A
COMCMNS	*	NO CMU:-	SB5 60					F233CMU	37	A
COMCMNS	*		EQ MNS06	IGNORE CMU CODE				F233CMU	38	A
COMCMNS								F233CMU	39	A
COMCMNS		SX3	3*60					F233CMU	40	A
COMCMNS		SA5	X4					F233CMU	41	A
COMCMNS		SX7	B2	SF = FIRST SOURCE BIT				F233CMU	42	A
COMCMNS		IX5	X3-X0					F233CMU	43	A
COMCMNS		FX3	X0*X1	L6 = LENGTH / 6				F233CMU	44	A
COMCMNS		PL	X5,MNS06	IF QUICKER NOT TO USE CMU				F233CMU	45	A
COMCMNS		SX6	B4	DF = DESTINATION FIRST BIT				F233CMU	46	A
COMCMNS		FX5	X7*X1	S6 = SF / 6 = SOURCE FIRST CHARACTER				F233CMU	47	A
COMCMNS		SB3	X3					F233CMU	48	A

0 1 2 3 4 5 6 7 8  
123456789012345678901234567890123456789012345678901234567890



## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCMNS

COMCMNS	SB6	X5		F233CMU	49	A
COMCMNS	SB3	B3+B3	L2 = L6 * 2	F233CMU	50	A
COMCMNS	SB6	B6+B6	S2 = S6 * 2	F233CMU	51	A
COMCMNS	FX1	X6+X1	D6 = DF / 6 = DESTINATION FIRST CHARACTER	F233CMU	52	A
COMCMNS	LX7	X5		F233CMU	53	A
COMCMNS	BX6	X3		F233CMU	54	A
COMCMNS	LX7	2	S4 = S6 * 4	F233CMU	55	A
COMCMNS	LX6	2	L4 = L6 * 4	F233CMU	56	A
COMCMNS	SB6	B6+X7	SX = S2 + S4	F233CMU	57	A
COMCMNS	SB5	X1		F233CMU	58	A
COMCMNS	SX6	B3+X6	LX = L2 + L4	F233CMU	59	A
COMCMNS	SB5	B5+B5	D2 = D6 * 2	F233CMU	60	A
COMCMNS	IX7	X0-X6	ML = LENGTH - LX = MOD(LENGTH,6)	F233CMU	61	A
COMCMNS	SB3	B5+B5	D4 = D2 + D2	F233CMU	62	A
COMCMNS	SX6	B2-B6	MS = SF - SX = MOD(SF,6)	F233CMU	63	A
COMCMNS	SB5	B3+B5	DX = D4 + D2	F233CMU	64	A
COMCMNS	BX7	X7+X6	REMAINDER = ML .OR. MS	F233CMU	65	A
COMCMNS	SX6	B4-B5	MD = DF - DX = MOD(DF,6)	F233CMU	66	A
COMCMNS	SB5	60	BITS PER WORD	F233CMU	67	A
COMCMNS	BX7	X6+X7	REMAINDER = REMAINDER .OR. MD	F233CMU	68	A
COMCMNS	N0			F233CMU	69	A
COMCMNS	NZ	X7,MNS06	IF NOT CHARACTER ORIENTED	F233CMU	70	A
COMCMNS				F233CMU	71	A
COMCMNS	SA2	X2		F233CMU	72	A
COMCMNS				F233CMU	73	A
COMCMNS	*	SET UP CMU INSTRUCTION AND EXECUTE IT.		F233CMU	74	A
COMCMNS				F233CMU	75	A
COMCMNS	MNS04	SX2	8191 MAX CMU CHARACTERS TRANSFERABLE	F233CMU	76	A
COMCMNS		SX7	A2 SA = SOURCE ADDRESS	F233CMU	77	A
COMCMNS		IX0	X3-X2	F233CMU	78	A
COMCMNS		LX7	30 POSITION SOURCE ADDRESS	F233CMU	79	A
COMCMNS		AX0	60	F233CMU	80	A
COMCMNS		SX6	A5 DA = DESTINATION ADDRESS	F233CMU	81	A
COMCMNS		BX4	-X0*X2	F233CMU	82	A
COMCMNS		IX7	X6+X7 SA + DA	F233CMU	83	A
COMCMNS		BX0	X0*X3	F233CMU	84	A
COMCMNS		SX6	X1 DF = D6	F233CMU	85	A
COMCMNS		IX4	X0+X4 CHARS TO TRANSMIT = MIN(8191,L6)	F233CMU	86	A
COMCMNS		LX6	18 POSITION DF	F233CMU	87	A
COMCMNS		MX0	-4	F233CMU	88	A
COMCMNS		BX7	X6+X7 SA + DF + DA	F233CMU	89	A
COMCMNS		BX2	-X0*X4 LO BITS L6	F233CMU	90	A
COMCMNS		LX6	X5 SF = S6	F233CMU	91	A
COMCMNS		BX0	X0*X4 HI BITS L6	F233CMU	92	A
COMCMNS		LX6	22 POSITION SF	F233CMU	93	A
COMCMNS		LX2	26 POSITION LO L6	F233CMU	94	A
COMCMNS		IX7	X6+X7 SA + SF + DF + DA	F233CMU	95	A
COMCMNS		LX0	48-4 POSITION HI L6	F233CMU	96	A
COMCMNS		BX7	X2+X7 SA + LO L6 + SF + DF + DA	F233CMU	97	A
COMCMNS		IX2	X3-X4	F233CMU	98	A
COMCMNS		BX6	X0+X7 HI L6 + SA + LO L6 + SF + DF + DA	F233CMU	99	A
COMCMNS		SB5	X2 REMAINING CHARACTERS	F233CMU	100	A

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCMNS

	COMCMNS		SA6	MNSF		F233CMU	101	A			
1	COMCMNS					F233CMU	102	A	1		
2	COMCMNS		IM	MNSF	INDIRECT CMU MOVE	F233CMU	103	A	2		
3	COMCMNS					F233CMU	104	A	3		
4	COMCMNS	*	SET UP EXIT CONDITION IN CHARACTERS.			F233CMU	105	A	4		
5	COMCMNS					F233CMU	106	A	5		
6	COMCMNS		IX1	X1+X4	D6 + TRANSMITTED CHARACTERS	F233CMU	107	A	6		
7	COMCMNS		SA3	MNSE	IS48E-1 + 1	F233CMU	108	A	7		
8	COMCMNS		IX5	X5+X4	S6 + TRANSMITTED CHARACTERS	F233CMU	109	A	8		
9	COMCMNS		FX6	X1*X3	D10 = D6 / 10	F233CMU	110	A	9		
10	COMCMNS		FX7	X5*X3	S10 = S6 / 10	F233CMU	111	A	10		
11	COMCMNS		LX0	B1,X6	D10 * 2	F233CMU	112	A	11		
12	COMCMNS		LX2	B1,X7	S10 * 2	F233CMU	113	A	12		
13	COMCMNS		BX4	X0		F233CMU	114	A	13		
14	COMCMNS		BX3	X2		F233CMU	115	A	14		
15	COMCMNS		LX4	2	D10 * 8	F233CMU	116	A	15		
16	COMCMNS		SB6	X6		F233CMU	117	A	16		
17	COMCMNS		LX3	2	S10 * 8	F233CMU	118	A	17		
18	COMCMNS		SB2	X7		F233CMU	119	A	18		
19	COMCMNS		IX4	X0+X4	D10 * 10	F233CMU	120	A	19		
20	COMCMNS		BX7	X5		F233CMU	121	A	20		
21	COMCMNS		IX3	X2+X3	S10 * 10	F233CMU	122	A	21		
22	COMCMNS		SA2	A2+B2	NEW FWA SOURCE	F233CMU	123	A	22		
23	COMCMNS		SA5	A5+B6	NEW FWA DESTINATION	F233CMU	124	A	23		
24	COMCMNS		IX1	X1-X4	NEW FIRST CHARACTER DESTINATION	F233CMU	125	A	24		
25	COMCMNS		IX5	X7-X3	NEW FIRST CHARACTER SOURCE	F233CMU	126	A	25		
26	COMCMNS		SX3	B5	CHARACTERS LEFT TO TRANSMIT	F233CMU	127	A	26		
27	COMCMNS					F233CMU	128	A	27		
28	COMCMNS		GT	B5,B0,MNS04	IF MORE TO TRANSMIT	F233CMU	129	A	28		
29	COMCMNS					F233CMU	130	A	29		
30	COMCMNS	*	EXIT PROCESSING, CONVERT CHARACTERS TO BITS			F233CMU	131	A	30		
31	COMCMNS	*	AND RESET ADDRESS REGISTERS.			F233CMU	132	A	31		
32	COMCMNS					F233CMU	133	A	32		
33	COMCMNS		LX6	B1,X1	D6 * 2	F233CMU	134	A	33		
34	COMCMNS		IX7	X5+X5	S6 * 2	F233CMU	135	A	34		
35	COMCMNS		LX1	2	D6 * 4	F233CMU	136	A	35		
36	COMCMNS		LX5	2	S6 * 4	F233CMU	137	A	36		
37	COMCMNS		IX6	X6+X1	D6 * 6	F233CMU	138	A	37		
38	COMCMNS		SX2	A2		F233CMU	139	A	38		
39	COMCMNS		SB4	X6		F233CMU	140	A	39		
40	COMCMNS		IX7	X7+X5	S6 * 6	F233CMU	141	A	40		
41	COMCMNS		SX4	A5		F233CMU	142	A	41		
42	COMCMNS		SB2	X7		F233CMU	143	A	42		
43	COMCMNS					F233CMU	144	A	43		
44	COMCMNS		EQ	MNS	EXIT..	F233CMU	145	A	44		
45	COMCMNS					F233CMU	146	A	45		
46	COMCMNS	*	DETERMINE IF A BIT ALIGNED MOVE IS POSSIBLE (DESTINATION			F4720C	192	A	46		
47	COMCMNS	*	STRING WILL OCCUPY SAME WORD RELATIVE POSITION AS SOURCE			F4720C	193	A	47		
48	COMCMNS	*	STRING).			F4720C	194	A	48		
49	COMCMNS	*				F4720C	195	A	49		
50	COMCMNS	*	SITUATION:	/	X1 /	X2 /	X3 /	X5 /	X6 /	X7 /	
51	COMCMNS	*		/		/		/		/	
52											
53		0	1	2	3	4	5	6	7	8	
54		1234567890123456789012345678901234567890123456789012345678901234567890									

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCMNS

	COMCMNS										F4720C	198	A				
1	COMCMNS	MNS	SUBR	ENTRY/EXIT..						F4720C	199	I					
2		-F233CMU															
3	COMCMNS		MX5	1							F4720C	200	I				
4		-F233CMU															
5	COMCMNS		SB5	60							F4720C	201	I				
6		-F233CMU															
7	COMCMNS	MNS06	MX5	1							F233CMU	147	A				
8	COMCMNS		SA3	X4	/	/	/XXXXXX/	/	/	/	F4720C	202	A				
9	COMCMNS		SA1	X2	/	ABCDEF/	/	/	/	/	F4720C	203	A				
10	COMCMNS		SX7	B4-B5							F4720C	204	A				
11	COMCMNS		AX6	X5,B4							F4720C	205	A				
12	COMCMNS		SB3	B2-B4	SHIFT COUNT						F4720C	206	A				
13	COMCMNS		BX4	-X5*X6							F4720C	207	A				
14	COMCMNS		LX6	X4,B1	MASK FOR FIRST DESTINATION WORD						F4720C	208	A				
15	COMCMNS		IX0	X7+X0							F4720C	209	A				
16	COMCMNS		BX4	X6*X3	/	/	X4 =(XXX...)	/	/	/	F4720C	210	A				
17	COMCMNS		NE	B2,B4,MNS40	IF NOT A BIT ALIGNED MOVE						F4720C	211	A				
18	COMCMNS										F4720C	212	A				
19	COMCMNS	*	PROCESS BIT ALIGNED MOVE. NOTE THAT FOR OUR COMMENTING								F4720C	213	A				
20	COMCMNS	*	EXAMPLE A BIT ALIGNED MOVE WOULD IMPLY A ZERO BIT MASK,								F4720C	214	A				
21	COMCMNS	*	HENCE:								F4720C	215	A				
22	COMCMNS	*									F4720C	216	A				
23	COMCMNS	*	SITUATION:		/	X1	/	X2	/	X3	/	X5	/	X6	/	X7	/
24	COMCMNS	*			/	ABCDEF/		X4 =(.....)		/	...../						
25	COMCMNS																
26	COMCMNS		BX7	-X6*X1	/	/	/	/	/	/	ABCDEF/						
27	COMCMNS		BX6	X7+X4	/	/	/	/	/	/	ABCDEF/						
28	COMCMNS		MI	X0,MNS120	IF ALL FITS IN ONE WORD						F4720C	222	A				
29	COMCMNS		SA1	A1+B1	/	GHIJKL/	/	/	/	/							
30	COMCMNS		SA6	A3	/	/	/	/	/	/	*STOR*/						
31	COMCMNS		SX4	B5+B5													
32	COMCMNS		SA3	A1+B1	/	/	/	MNOPQR/	/	/	/						
33	COMCMNS		IX0	X0-X4													
34	COMCMNS		BX7	X1	/	/	/	/	/	/	GHIJKL/						
35	COMCMNS		MI	X0,MNS20	IF ALL FITS IN TWO WORDS						F4720C	229	A				
36	COMCMNS	MNS10	SA7	A6+B1	/	/	/	/	/	/	*STOR*/						
37	COMCMNS		BX6	X3	/	/	/	/	/	/	MNOPQR/						
38	COMCMNS		IX0	X0-X4													
39	COMCMNS		SA1	A3+B1	/	STUVWX/	/	/	/	/							
40	COMCMNS		SA3	A3+2	/	/	/	Z01234/	/	/	/						
41	COMCMNS		BX7	X1	/	/	/	/	/	/	STUVWX/						
42	COMCMNS		SA6	A7+B1	/	/	/	/	/	/	*STOR*/						
43	COMCMNS		PL	X0,MNS10	IF NEXT WORD IS A 60 BIT MOVE						F4720C	237	A				
44	COMCMNS	MNS20	SX0	X0+60													
45	COMCMNS		SX2	A1													
46	COMCMNS		BX6	X7	/	/	/	/	/	/	STUVWX/						
47	COMCMNS		MI	X0,MNS30	IF LAST WORD FETCHED NOT LAST TO MOVE						F4720C	241	A				
48	COMCMNS		SA6	A6+1	/	/	/	/	/	/	*STOR*/						
49	COMCMNS		SX0	X0-60													
50	COMCMNS		SX2	A3													
51	COMCMNS		BX6	X3	/	/	/	/	/	/	Z01234/						

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCMNS

	COMCMNS	MNS30	SA3	A6+B1	FETCH LAST DESTINATION WORD	F4720C	246	A	
1	COMCMNS		EQ	MNS120	GO TO HANDLE THE MASKING	F4720C	247	A	1
2	COMCMNS	MNS	SPACE	4,10		F233CMU	148	A	2
3	COMCMNS	*	STORAGE.			F233CMU	149	A	3
4	COMCMNS					F233CMU	150	A	4
5	COMCMNS	MNSA	EQU	MNS32		F233CMU	151	A	5
6	COMCMNS	MNSB	EQU	MNS02		F233CMU	152	A	6
7	COMCMNS	MNSC	SB5	60		F233CMU	153	A	7
8	COMCMNS		EQ	MNS06	IGNORE CMU CODE	F233CMU	154	A	8
9	COMCMNS	MNSD	CON	12525252525253B	1S48/6 + 1	F233CMU	155	A	9
10	COMCMNS	MNSE	CON	1S48E-1+1	ONE TENTH + 1	F233CMU	156	A	10
11	COMCMNS	MNSF	BSS	1	CMU *IM* INDIRECT WORD	F233CMU	157	A	11
12	COMCMNS	MNS	SPACE	4,10		F4720C	248	A	12
13	COMCMNS		BASE	*		F4720C	249	A	13
14	COMCMNS	QUAL\$	IF	-DEF,QUAL\$		F4720C	250	A	14
15	COMCMNS		QUAL	*		F4720C	251	A	15
16	COMCMNS	MNS	EQU	/COMCMNS/MNS		F4720C	252	A	16
17	COMCMNS	MNS=	EQU	MNS		F4720C	253	A	17
18	COMCMNS	QUAL\$	ENDIF			F4720C	254	A	18
19	COMCMNS	MNS	ENDX			F4720C	255	A	19

## SUMMARY OF UPDATE IDENTIFIERS WITHIN DECK - COMCMNS

	IDENTIFIER	TOTAL	ACTIVE
	F4720C	251	248
	F233CMU	152	152
	CPSA245	9	9

# LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCMOS

31	COMCMOS	*COMDECK	COMCMOS		F4720C	256	A	41
32	COMCMOS	MOS	CTEXT	COMCMOS - MOVE BIT STRING.	F4720C	257	A	42
33	COMCMOS	MOS	SPACE	4,10	F4720C	258	A	43
34	COMCMOS		IF	-DEF,QUAL\$,1	F4720C	259	A	45
35	COMCMOS		QUAL	COMCMOS	F4720C	260	A	46
36	COMCMOS		BASE	D	F4720C	261	A	47
37	COMCMOS	*		COMMENT COPYRIGHT CONTROL DATA CORPORATION 1978.	F4720C	262	A	49
38	COMCMOS	MOS	SPACE	4,10	F4720C	263	A	50
39	COMCMOS	***	MOS	- MOVE OVERLAPPING BIT STRING.	F4720C	264	A	51
40	COMCMOS	*			F4720C	265	A	53
41	COMCMOS	*	R. E. JAMES.	77/09/09.	F4720C	266	A	54
42	COMCMOS	*	L. D. HARE.	78/04/12.	F4720C	267	A	55
43	COMCMOS	*			CPSA245	68	A	57
44	COMCMOS	*		*****	CPSA245	69	A	58
45	COMCMOS	*		* THIS COMMON DECK IS PART OF THE COMMON COMMON DECKS *	CPSA245	70	A	59
46	COMCMOS	*		* RESIDING ON THE COMPASS PROGRAM LIBRARY, AND BEING *	CPSA245	71	A	61
47	COMCMOS	*		* MAINTAINED BY THE COMPASS PROJECT. ANY CHANGES *	CPSA245	72	A	62
48	COMCMOS	*		* REQUIRED SHOULD BE DIRECTED TO THE COMPASS PROJECT *	CPSA245	73	A	63
49	COMCMOS	*		* THROUGH THE PROPER PROCEDURE. *	CPSA245	74	A	65
50	COMCMOS	*		*****	CPSA245	75	A	66
51	COMCMOS	*			CPSA245	76	A	67

0	1	2	3	4	5	6	7	8
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## 1412THE



## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCMOS

	COMCMOS										F4720C	320	A							
1	COMCMOS	MOS60	BX5	X0*X1	/	/	/	/...GHI/	/	/	F4720C	321	A							
2	COMCMOS		LX1	X3,B3	/DEFABC/	/	/	/	/	/	F4720C	322	A							
3	COMCMOS		SA3	A3-B1	/	/	/	<>@\^;/	/	/	F4720C	323	A							
4	COMCMOS		BX7	-X0*X1	/	/	/	/	/	/DEF.../	F4720C	324	A							
5	COMCMOS		MI	X6,MOS50	IF	NOT	ON	LAST	WORD		F4720C	325	A							
6	COMCMOS										F4720C	326	A							
7	COMCMOS	*		SITUATION AFTER	/	X1	/	X2	/	X3	/	X5	/	X6	/	X7	/	F4720C	327	A
8	COMCMOS	*		ONE LOOP:	/\^;	<>@/	/	/	/	/	/	/	/	/	/	/	/	F4720C	328	A
9	COMCMOS				/	/	/	/	/	/	/	/	/	/	/	/	/	F4720C	329	A
10	COMCMOS		SA1	A7-1	/XXXXXX/	/	/	/	/	/	/	/	/	/	/	/	/	F4720C	330	A
11	COMCMOS		MX0	59														F4720C	331	A
12	COMCMOS		BX7	X5+X7	/	/	/	/	/	/	/	/	/	/	/	/	/	F4720C	332	A
13	COMCMOS		AX5	X0,B5														F4720C	333	A
14	COMCMOS		IX6	X5-X0	MASK	FOR	LAST	WORD										F4720C	334	A
15	COMCMOS		BX3	-X6*X7	/	/	/	/...ABC/	/	/	/	/	/	/	/	/	/	F4720C	335	A
16	COMCMOS		BX5	X6*X1	/	/	/	/XXX.../	/	/	/	/	/	/	/	/	/	F4720C	336	A
17	COMCMOS		BX7	X5+X3	/	/	/	/	/	/	/	/	/	/	/	/	/	F4720C	337	A
18	COMCMOS		SA7	A1	/	/	/	/	/	/	/	/	/	/	/	/	/	F4720C	338	A
19	COMCMOS																	F4720C	339	A
20	COMCMOS	*		DETERMINE IF WE CAN PERFORM A NON OVERLAP MOVE.														F4720C	340	A
21	COMCMOS																	F4720C	341	A
22	COMCMOS	MOS	SUBR		ENTRY/EXIT..													F4720C	342	A
23	COMCMOS		IX6	X2-X4	WOV =	SOURCE	ADDRESS	-	DESTINATION	ADDRESS								F4720C	343	A
24	COMCMOS		PL	X6,MOS40	IF	NO	ADDRESS	OVERLAP										F4720C	344	A
25	COMCMOS		LX6	2	WO4 =	WOV	*	4										F4720C	345	A
26	COMCMOS		SX1	B4-B2	BOV =	DESTINATION	BIT	-	SOURCE	BIT								F4720C	346	A
27	COMCMOS		IX3	X1+X6	TMP =	WO4	+	BOV										F4720C	347	A
28	COMCMOS		LX6	4	W64 =	WO4	*	16 =	WOV	*	64							F4720C	348	A
29	COMCMOS		IX5	X3-X6	NBA =	W64	-	TMP =	W64	-	WO4	+	BOV					F4720C	349	A
30	COMCMOS		IX6	X5-X0														F4720C	350	A
31	COMCMOS		PL	X6,MOS40	IF	NBA	(NUM.	BITS	APART)	.LT.	BITS	TO	MOVE					F4720C	351	A
32	COMCMOS		SA1	=00000104210422000074B	D60 =	1.0/60	.OR.	60										F4720C	352	A
33	COMCMOS		FX7	X1*X0	WTM =	BITS	TO	MOVE	/	60.								F4720C	353	A
34	COMCMOS		SB3	X1														F4720C	354	A
35	COMCMOS		BX6	X4														F4720C	355	A
36	COMCMOS		ZR	X7,MOS40	IF	BITS	TO	MOVE	.LT.	60	(WTM	=	0)					F4720C	356	A
37	COMCMOS																	F4720C	357	A
38	COMCMOS	*		THIS IS A GENUINE OVERLAP MOVE.														F4720C	358	A
39	COMCMOS																	F4720C	359	A
40	COMCMOS		IX4	X4+X7	TENTATIVE	END	OF	DESTINATION	FIELD									F4720C	360	A
41	COMCMOS		IX2	X2+X7	TENTATIVE	END	OF	SOURCE	FIELD									F4720C	361	A
42	COMCMOS		LX7	2	WT4 =	WTM	*	4										F4720C	362	A
43	COMCMOS		IX3	X0+X7	TMP =	WT4	+	BTM	(BITS	TO	MOVE)							F4720C	363	A
44	COMCMOS		LX7	4	W64 =	WT4	*	16 =	WTM	*	64							F4720C	364	A
45	COMCMOS		IX5	X3-X7	REM =	TMP	-	W64	(	MOD	(BTM,	60)	)					F4720C	365	A
46	COMCMOS		SB5	B4-B3	FOR	FINAL	PUT	TOGETHER										F4720C	366	A
47	COMCMOS		SB2	X5+B2	TENTATIVE	SOURCE	BIT											F4720C	367	A
48	COMCMOS		SB4	X5+B4	TENTATIVE	DESTINATION	BIT											F4720C	368	A
49	COMCMOS		SB1	1														F4720C	369	A
50	COMCMOS		LT	B2,B3,MOS10	IF	SOURCE	BIT	WITHIN	SAME	WORD								F4720C	370	A
51	COMCMOS		SB2	B2-B3	CORRECT	SOURCE	BIT											F4720C	371	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCMOS

COMCMOS		SX2	X2+B1	POSITION AT NEXT SOURCE WORD	F4720C	372	A
COMCMOS	MOS10	LT	B4,B3,MOS20	IF DESTINATION BIT WITHIN SAME WORD	F4720C	373	A
COMCMOS		SB4	B4-B3	CORRECT DESTINATION BIT	F4720C	374	A
COMCMOS		SX4	X4+B1	POSITION AT NEXT DESTINATION WORD	F4720C	375	A
COMCMOS					F4720C	376	A
COMCMOS	*			STARTING POINT IS NOW DETERMINED FOR A BACKWARDS MOVE.	F4720C	377	A
COMCMOS	*				F4720C	378	A
COMCMOS	*	SITUATION:	/ X1 / X2 / X3 / X5 / X6 / X7 /		F4720C	379	A
COMCMOS	*		/ / / / / / /		F4720C	380	A
COMCMOS					F4720C	381	A
COMCMOS	MOS20	SA3	X2	/ / /MNOPQR/ / / /	F4720C	382	A
COMCMOS		MX0	1	FORM MASK	F4720C	383	A
COMCMOS		SA5	X4	/ / / /XXXXXX/ / /	F4720C	384	A
COMCMOS		AX1	X0,B4		F4720C	385	A
COMCMOS		SB3	B2-B4	SHIFT	F4720C	386	A
COMCMOS		BX7	-X0*X1		F4720C	387	A
COMCMOS		LX1	X3,B3	/PQRMNO/ / / / / /	F4720C	388	A
COMCMOS		IX7	X7+X7	MASK	F4720C	389	A
COMCMOS		BX5	-X7*X5	/ / /...XXX/ / /	F4720C	390	A
COMCMOS		IX6	X6-X4		F4720C	391	A
COMCMOS		LX3	X0,B3		F4720C	392	A
COMCMOS		BX7	X7*X1	/ / / / / /PQR.../	F4720C	393	A
COMCMOS		IX0	X3-X0		F4720C	394	A
COMCMOS		BX7	X7+X5	/ / / / /PQRXXX/	F4720C	395	A
COMCMOS		SA3	A3-B1	/ / /GHIJKL/ / /	F4720C	396	A
COMCMOS		LX0	X0,B1	- MASK ( 60 - SHIFT ) FOR LOOP	F4720C	397	A
COMCMOS		LE	B4,B2,MOS30	IF DESTINATION BIT .LE. SOURCE BIT	F4720C	398	A
COMCMOS		SB3	B3+60	WE NEED AN EXTRA SOURCE WORD	F4720C	399	A
COMCMOS		BX0	-X0	REVERSE THE MASK	F4720C	400	A
COMCMOS		LX1	X3,B3	/JHKGHI/ / / / /	F4720C	401	A
COMCMOS		SA3	A3-1	/ / /ABCDEF/ / /	F4720C	402	A
COMCMOS		BX7	X0*X7	/ / / / /...XXX/	F4720C	403	A
COMCMOS		BX5	-X0*X1	/ / / /JKL.../ / /	F4720C	404	A
COMCMOS		NO			F4720C	405	A
COMCMOS		BX7	X5+X7	/ / / / / /JKLXXX/	F4720C	406	A
COMCMOS	MOS30	SA7	A5	/ / / / / *STOR*/	F4720C	407	A
COMCMOS		SX6	X6+B1		F4720C	408	A
COMCMOS		EQ	MOS60	CONTINUE	F4720C	409	A
COMCMOS					F4720C	410	A
COMCMOS	*			HERE WE HAVE A NON-OVERLAPPING MOVE.	F4720C	411	A
COMCMOS					F4720C	412	A
COMCMOS	MOS40	SA1	MOS	TRANSFER CALLERS RETURN ADDRESS	F4720C	413	A
COMCMOS		BX6	X1		F4720C	414	A
COMCMOS		SA6	=XMNS=		F4720C	415	A
COMCMOS		EQ	=XMNS+=1	MOVE BIT STRING WITH NO OVERLAP	F4720C	416	A
COMCMOS	MOS	SPACE	4,10		F4720C	417	A
COMCMOS		BASE	*		F4720C	418	A
COMCMOS	QUAL\$	IF	-DEF,QUAL\$		F4720C	419	A
COMCMOS		QUAL	*		F4720C	420	A
COMCMOS	MOS	EQU	/COMCMOS/MOS		F4720C	421	A
COMCMOS	MOS=	EQU	/COMCMOS/MOS		F4720D	11	A
COMCMOS	QUAL\$	ENDIF			F4720C	422	A

0 1 2 3 4 5 6 7 8  
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCMOS

COMCMOS	MOS	ENDX	F4720C	423	A
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## SUMMARY OF UPDATE IDENTIFIERS WITHIN DECK - COMCMOS

IDENTIFIER	TOTAL	ACTIVE
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F4720C	168	168
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F4720D	1	1
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CPSA245	9	9
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCMTM

COMCMTM	*COMDECK	COMCMTM	MANAGED TABLE MACROS.	COMCMTM	COMCMTM	1	A
COMCMTM	MTM	CTEXT	COMCMTM - MANAGED TABLE MACROS.	COMCMTM	COMCMTM	2	A
COMCMTM	MTM	SPACE	4,10	COMCMTM	COMCMTM	3	A
COMCMTM	*	COMMENT	COPYRIGHT CONTROL DATA CORPORATION. 1970, 1978.	COMCMTM	COMCMTM	4	A
COMCMTM	MTM	SPACE	4,10	COMCMTM	COMCMTM	5	A
COMCMTM	***	COMCMTM	- MANAGED TABLE MACROS.	COMCMTM	COMCMTM	6	A
COMCMTM	*			COMCMTM	COMCMTM	7	A
COMCMTM	*	G. R. MANSFIELD.	70/12/14.	COMCMTM	COMCMTM	8	A
COMCMTM	*				CPSA245	77	A
COMCMTM	*	*****			CPSA245	78	A
COMCMTM	*	* THIS COMMON DECK IS PART OF THE COMMON COMMON DECKS *			CPSA245	79	A
COMCMTM	*	* RESIDING ON THE COMPASS PROGRAM LIBRARY, AND BEING *			CPSA245	80	A
COMCMTM	*	* MAINTAINED BY THE COMPASS PROJECT. ANY CHANGES *			CPSA245	81	A
COMCMTM	*	* REQUIRED SHOULD BE DIRECTED TO THE COMPASS PROJECT *			CPSA245	82	A
COMCMTM	*	* THROUGH THE PROPER PROCEDURE. *			CPSA245	83	A
COMCMTM	*	*****			CPSA245	84	A
COMCMTM	*				CPSA245	85	A
COMCMTM	*			COMCMTM	COMCMTM	9	A
COMCMTM	*	COMCMTM CONTAINS MACROS FOR GENERATION, ALLOCATION,		COMCMTM	COMCMTM	10	A
COMCMTM	*	AND PROCESSING OF MANAGED TABLES. COMCMTM IS INTENDED FOR		COMCMTM	COMCMTM	11	A
COMCMTM	*	USE WITH COMCMTM.		COMCMTM	COMCMTM	12	A
COMCMTM	MTM	SPACE	4,10	COMCMTM	COMCMTM	13	A
COMCMTM	***	ADDWRD	- ADD WORD TO MANAGED TABLE.	COMCMTM	COMCMTM	14	A
COMCMTM	*			COMCMTM	COMCMTM	15	A
COMCMTM	*			COMCMTM	COMCMTM	16	A
COMCMTM	*	ADDWRD	TABLE,REG	COMCMTM	COMCMTM	17	A
COMCMTM	*	ENTRY	*TABLE* = TABLE NUMBER.	COMCMTM	COMCMTM	18	A
COMCMTM	*		*REG* = REGISTER NAME OR EXPRESSION FOR WORD TO ADD.	COMCMTM	COMCMTM	19	A
COMCMTM	*			COMCMTM	COMCMTM	20	A
COMCMTM	*	USES	A - 0.	COMCMTM	COMCMTM	21	A
COMCMTM	*		X - 1.	COMCMTM	COMCMTM	22	A
COMCMTM	*			COMCMTM	COMCMTM	23	A
COMCMTM	*	CALLS	ADW.	COMCMTM	COMCMTM	24	A
COMCMTM				COMCMTM	COMCMTM	25	A
COMCMTM				COMCMTM	COMCMTM	26	A
COMCMTM	ADDWRD	MACRO	A,B	COMCMTM	COMCMTM	27	A
COMCMTM		IFC	NE,\$X1\$B\$,1	COMCMTM	COMCMTM	28	A
COMCMTM		BX1	B	COMCMTM	COMCMTM	29	A
COMCMTM		R=	A0,A	COMCMTM	COMCMTM	30	A
COMCMTM		RJ	ADW	COMCMTM	COMCMTM	31	A

0	1	2	3	4	5	6	7	8
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCMTM

	COMCMTM		ENDM		COMCMTM	COMCMTM	32	A	
1	COMCMTM	MTM	SPACE 4,10		COMCMTM	COMCMTM	33	A	1
2	COMCMTM	***	ALLOC - ALLOCATE TABLE SPACE.		COMCMTM	COMCMTM	34	A	2
3	COMCMTM	*			COMCMTM	COMCMTM	35	A	3
4	COMCMTM	*			COMCMTM	COMCMTM	36	A	4
5	COMCMTM	*	ALLOC TABLE,WORDS		COMCMTM	COMCMTM	37	A	5
6	COMCMTM	*	ENTRY *TABLE* = TABLE NUMBER.		COMCMTM	COMCMTM	38	A	6
7	COMCMTM	*		*WORDS* = WORD COUNT OF TABLE.	COMCMTM	COMCMTM	39	A	7
8	COMCMTM	*			COMCMTM	COMCMTM	40	A	8
9	COMCMTM	*	USES A - 0.		COMCMTM	COMCMTM	41	A	9
10	COMCMTM	*		X - 1.	COMCMTM	COMCMTM	42	A	10
11	COMCMTM	*			COMCMTM	COMCMTM	43	A	11
12	COMCMTM	*	CALLS ATS.		COMCMTM	COMCMTM	44	A	12
13	COMCMTM				COMCMTM	COMCMTM	45	A	13
14	COMCMTM				COMCMTM	COMCMTM	46	A	14
15	COMCMTM	ALLOC	MACRO A,B		COMCMTM	COMCMTM	47	A	15
16	COMCMTM		R= X1,B		COMCMTM	COMCMTM	48	A	16
17	COMCMTM		R= A0,A		COMCMTM	COMCMTM	49	A	17
18	COMCMTM		RJ ATS		COMCMTM	COMCMTM	50	A	18
19	COMCMTM		ENDM		COMCMTM	COMCMTM	51	A	19
20	COMCMTM	MTM	SPACE 4,10		COMCMTM	COMCMTM	52	A	20
21	COMCMTM	***	SEARCH - SEARCH MANAGED TABLE.		COMCMTM	COMCMTM	53	A	21
22	COMCMTM	*			COMCMTM	COMCMTM	54	A	22
23	COMCMTM	*			COMCMTM	COMCMTM	55	A	23
24	COMCMTM	*	SEARCH TNAM,ENTRY,MASK		COMCMTM	COMCMTM	56	A	24
25	COMCMTM	*	ENTRY *TNAM* = TABLE NAME.		COMCMTM	COMCMTM	57	A	25
26	COMCMTM	*		*ENTRY* = ENTRY TO SEARCH FOR.	COMCMTM	COMCMTM	58	A	26
27	COMCMTM	*		*MASK* = SEARCH MASK IN (X0).	COMCMTM	COMCMTM	59	A	27
28	COMCMTM	*		IF *MASK* IS NOT PRESENT, MASK IS ALL BITS.	COMCMTM	COMCMTM	60	A	28
29	COMCMTM	*	USES A - 0.		COMCMTM	COMCMTM	61	A	29
30	COMCMTM	*		B - 7.	COMCMTM	COMCMTM	62	A	30
31	COMCMTM	*		X - 6.	COMCMTM	COMCMTM	63	A	31
32	COMCMTM	*			COMCMTM	COMCMTM	64	A	32
33	COMCMTM	*	CALLS EQS OR MES.		COMCMTM	COMCMTM	65	A	33
34	COMCMTM				COMCMTM	COMCMTM	66	A	34
35	COMCMTM				COMCMTM	COMCMTM	67	A	35
36	COMCMTM	SEARCH	MACRO TNAM,ENTRY,MASK		COMCMTM	COMCMTM	68	A	36
37	COMCMTM		R= A0,TNAM		COMCMTM	COMCMTM	69	A	37
38	COMCMTM		R= B7,C.TNAM		COMCMTM	COMCMTM	70	A	38
39	COMCMTM		IFC NE,\$X6\$ENTRY\$,1		COMCMTM	COMCMTM	71	A	39
40	COMCMTM		BX6 ENTRY		COMCMTM	COMCMTM	72	A	40
41	COMCMTM		IFC EQ,\$MASK\$\$		COMCMTM	COMCMTM	73	A	41
42	COMCMTM		RJ EQS		COMCMTM	COMCMTM	74	A	42
43	COMCMTM		ELSE 1		COMCMTM	COMCMTM	75	A	43
44	COMCMTM		RJ MES		COMCMTM	COMCMTM	76	A	44
45	COMCMTM		ENDM		COMCMTM	COMCMTM	77	A	45
46	COMCMTM	MTM	SPACE 4,10		COMCMTM	COMCMTM	78	A	46
47	COMCMTM	***	TABLE - GENERATE MANAGED TABLE.		COMCMTM	COMCMTM	79	A	47
48	COMCMTM	*			COMCMTM	COMCMTM	80	A	48
49	COMCMTM	*			COMCMTM	COMCMTM	81	A	49
50	COMCMTM	*	TABLE TNAME,COUNT,EQUIV		COMCMTM	COMCMTM	82	A	50
51	COMCMTM	*	ENTRY *TNAME* = TABLE NAME.		COMCMTM	COMCMTM	83	A	51
52									52
53		0	1	2	3	4	5	6	53
54		1234567890123456789012345678901234567890123456789012345678901234567890							54

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCMTM

COMCMTM	*			*COUNT* = WORD COUNT/ENTRY (1 IF NOT SPECIFIED)	COMCMTM	COMCMTM	84	A
COMCMTM	*			*EQUIV* = EQUIVALENT TABLE NAME. THIS ALLOWS CERTAIN	COMCMTM	COMCMTM	85	A
COMCMTM	*			TABLES TO BE USED BY DIFFERENT PROCESSORS.	COMCMTM	COMCMTM	86	A
COMCMTM	*	EXIT		*F.TNAM* IS NAME OF WORD CONTAINING THE TABLE FWA.	COMCMTM	COMCMTM	87	A
COMCMTM	*			*L.TNAM* IS NAME OF WORD CONTAINING THE TABLE LENGTH.	COMCMTM	COMCMTM	88	A
COMCMTM	*			*C.TNAM* IS WORD COUNT PER ENTRY.	COMCMTM	COMCMTM	89	A
COMCMTM	*				COMCMTM	COMCMTM	90	A
COMCMTM	*	USES	NONE.		COMCMTM	COMCMTM	91	A
COMCMTM	*				COMCMTM	COMCMTM	92	A
COMCMTM	*	CALLS	NONE.		COMCMTM	COMCMTM	93	A
COMCMTM					COMCMTM	COMCMTM	94	A
COMCMTM					COMCMTM	COMCMTM	95	A
COMCMTM	NTAB	SET	0		COMCMTM	COMCMTM	96	A
COMCMTM					COMCMTM	COMCMTM	97	A
COMCMTM		MACRO	TABLE, TNAM, COUNT, EQUIV		COMCMTM	COMCMTM	98	A
COMCMTM		VFD	6/TNAM, 18/C.TNAM, 18/L.TNAM, 18/F.TNAM		COMCMTM	COMCMTM	99	A
COMCMTM		ORG	*-1		COMCMTM	COMCMTM	100	A
COMCMTM	C.TNAM	EQU	COUNT 1		COMCMTM	COMCMTM	101	A
COMCMTM		IFC	EQ, \$EQUIV\$\$		COMCMTM	COMCMTM	102	A
COMCMTM	TNAM	EQU	NTAB		COMCMTM	COMCMTM	103	A
COMCMTM	NTAB	SET	NTAB+1		COMCMTM	COMCMTM	104	A
COMCMTM	TABLES	RMT			COMCMTM	COMCMTM	105	A
COMCMTM		ORG	FTAB+TNAM		COMCMTM	COMCMTM	106	A
COMCMTM	F.TNAM	CON	MEML+TNAM		COMCMTM	COMCMTM	107	A
COMCMTM		ORG	LTAB+TNAM		COMCMTM	COMCMTM	108	A
COMCMTM	L.TNAM	CON	0		COMCMTM	COMCMTM	109	A
COMCMTM		ORG	LTAB+NTAB		COMCMTM	COMCMTM	110	A
COMCMTM	TABLES	RMT			COMCMTM	COMCMTM	111	A
COMCMTM					COMCMTM	COMCMTM	112	A
COMCMTM		ELSE			COMCMTM	COMCMTM	113	A
COMCMTM	TNAM	EQU	EQUIV		COMCMTM	COMCMTM	114	A
COMCMTM	TABLES	RMT			COMCMTM	COMCMTM	115	A
COMCMTM	F.TNAM	EQU	F.EQUIV		COMCMTM	COMCMTM	116	A
COMCMTM	L.TNAM	EQU	L.EQUIV		COMCMTM	COMCMTM	117	A
COMCMTM	TABLES	RMT			COMCMTM	COMCMTM	118	A
COMCMTM					COMCMTM	COMCMTM	119	A
COMCMTM		ENDIF			COMCMTM	COMCMTM	120	A
COMCMTM		ENDM			COMCMTM	COMCMTM	121	A
COMCMTM	MTM	SPACE	4, 10		COMCMTM	COMCMTM	122	A
COMCMTM	*		REMAINDER OF TABLE MANAGER STORAGE.		COMCMTM	COMCMTM	123	A
COMCMTM					COMCMTM	COMCMTM	124	A
COMCMTM					COMCMTM	COMCMTM	125	A
COMCMTM	TABLES	RMT			COMCMTM	COMCMTM	126	A
COMCMTM	MU	CON	0	MEMORY USED	COMCMTM	COMCMTM	127	A
COMCMTM	LM	CON	MEML	LOW MEMORY ADDRESS	COMCMTM	COMCMTM	128	A
COMCMTM	TN	CON	NTAB+1	NUMBER OF MANAGED TABLES	COMCMTM	COMCMTM	129	A
COMCMTM	TO	CON	TOV	ADDRESS OF TABLE OVERFLOW PROCESSOR	COMCMTM	COMCMTM	130	A
COMCMTM	FTAB	BSS	0	TABLE ADDRESSES	COMCMTM	COMCMTM	131	A
COMCMTM					COMCMTM	COMCMTM	132	A
COMCMTM	TEND	EQU	NTAB	DUMMY TABLE	COMCMTM	COMCMTM	133	A
COMCMTM	NTAB	SET	NTAB+1		COMCMTM	COMCMTM	134	A
COMCMTM		ORG	FTAB+TEND		COMCMTM	COMCMTM	135	A
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCMTM

COMCMTM	F.TEND	CON	MEML+TEND	DUMMY TABLE
COMCMTM	LTAB	BSS	0	TABLE LENGTHS
COMCMTM		ORG	LTAB+TEND	
COMCMTM	L.TEND	CON	0	
COMCMTM	TABLES	RMT		
COMCMTM	MTM	SPACE	4,10	
COMCMTM	MTM	ENDX		

COMCMTM	COMCMTM	136	A
COMCMTM	COMCMTM	137	A
COMCMTM	COMCMTM	138	A
COMCMTM	COMCMTM	139	A
COMCMTM	COMCMTM	140	A
COMCMTM	COMCMTM	141	A
COMCMTM	COMCMTM	142	A

## SUMMARY OF UPDATE IDENTIFIERS WITHIN DECK - COMCMTM

IDENTIFIER	TOTAL	ACTIVE
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COMCMTM	142	142
CPSA245	9	9

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCMTP

COMCMTP	*COMDECK	COMCMTP	MANAGED TABLE PROCESSORS.
COMCMTP	MTP	CTEXT	COMCMTP - MANAGED TABLE PROCESSORS.
COMCMTP	MTP	SPACE	4,10
COMCMTP		IF	-DEF,FTAB,1
COMCMTP	TABLES	HERE	
COMCMTP	MTP	SPACE	4,10
COMCMTP		IF	-DEF,QUAL\$,1
COMCMTP		QUAL	COMCMTP
COMCMTP		BASE	D
COMCMTP	*	COMMENT	COPYRIGHT CONTROL DATA CORPORATION. 1970, 1978.
COMCMTP	MTP	SPACE	4,10
COMCMTP	***	COMCMTP	- MANAGED TABLE PROCESSORS.
COMCMTP	*		
COMCMTP	*	G. R. MANSFIELD.	70/12/20.
COMCMTP	*	G. M. TOWNSEND.	77/06/11.
COMCMTP	*		
COMCMTP	*	*****	
COMCMTP	*	* THIS COMMON DECK IS PART OF THE COMMON COMMON DECKS *	
COMCMTP	*	* RESIDING ON THE COMPASS PROGRAM LIBRARY, AND BEING *	
COMCMTP	*	* MAINTAINED BY THE COMPASS PROJECT. ANY CHANGES *	
COMCMTP	*	* REQUIRED SHOULD BE DIRECTED TO THE COMPASS PROJECT *	
COMCMTP	*	* THROUGH THE PROPER PROCEDURE. *	
COMCMTP	*	*****	
COMCMTP	*		
COMCMTP	*		
COMCMTP	*	COMCMTP CONTAINS ROUTINES FOR PROCESSING MANAGED TABLES.	
COMCMTP	*	MACROS FOR CALLS AND GENERATION ARE CONTAINED IN COMCMTM.	
COMCMTP	MTP	SPACE	4,10
COMCMTP	***	THE MANAGED TABLE PROCESSORS ALLOW THE PARTITIONING OF	
COMCMTP	*	CENTRAL MEMORY INTO VARIABLE REGIONS (CALLED TABLES).	
COMCMTP	*	THESE TABLES ARE REFERENCED BY POINTERS WHICH INDICATE	
COMCMTP	*	THE FIRST ADDRESS OF THE TABLE AND THE TABLE LENGTH.	
COMCMTP	*	MEMORY IS ALLOCATED TO EACH TABLE AS IT IS REQUIRED AND	
COMCMTP	*	THE USER MAY DELETE SPACE FROM THE TABLES. THE USER IS	
COMCMTP	*	EXPECTED TO PROVIDE CERTAIN CONSTANTS FOR USE BY THE	

COMCMTP	COMCMTP	1	A
COMCMTP	COMCMTP	2	A
COMCMTP	COMCMTP	3	A
COMCMTP	COMCMTP	4	A
COMCMTP	COMCMTP	5	A
COMCMTP	COMCMTP	6	A
COMCMTP	COMCMTP	7	A
COMCMTP	COMCMTP	8	A
COMCMTP	COMCMTP	9	A
COMCMTP	COMCMTP	10	A
COMCMTP	COMCMTP	11	A
COMCMTP	COMCMTP	12	A
COMCMTP	COMCMTP	13	A
COMCMTP	COMCMTP	14	A
COMCMTP	COMCMTP	15	A
	CPSA245	86	A
	CPSA245	87	A
	CPSA245	88	A
	CPSA245	89	A
	CPSA245	90	A
	CPSA245	91	A
	CPSA245	92	A
	CPSA245	93	A
	CPSA245	94	A
COMCMTP	COMCMTP	16	A
COMCMTP	COMCMTP	17	A
COMCMTP	COMCMTP	18	A
COMCMTP	COMCMTP	19	A
COMCMTP	COMCMTP	20	A
COMCMTP	COMCMTP	21	A
COMCMTP	COMCMTP	22	A
COMCMTP	COMCMTP	23	A
COMCMTP	COMCMTP	24	A
COMCMTP	COMCMTP	25	A
COMCMTP	COMCMTP	26	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCMTP

COMCMTP	*	TABLE PROCESSORS. EACH TABLE IS ALLOWED AT LEAST 1 WORD	COMCMTP	COMCMTP	27	A
COMCMTP	*	OF EXPANSION SPACE TO ALLOW A DUMMY WORD BETWEEN EACH	COMCMTP	COMCMTP	28	A
COMCMTP	*	TABLE. THIS ALLOWS EFFICIENT SEARCH METHODS TO BE USED.	COMCMTP	COMCMTP	29	A
COMCMTP	*		COMCMTP	COMCMTP	30	A
COMCMTP	*		COMCMTP	COMCMTP	31	A
COMCMTP	*		COMCMTP	COMCMTP	32	A
COMCMTP	*		COMCMTP	COMCMTP	33	A
COMCMTP	*	DATA PROVIDED BY CALLER.	COMCMTP	COMCMTP	34	A
COMCMTP	*		COMCMTP	COMCMTP	35	A
COMCMTP	*	*MEML* = LOWEST ADDRESS OF MANAGED MEMORY.	COMCMTP	COMCMTP	36	A
COMCMTP	*	*TOV* = ADDRESS OF TABLE OVERFLOW PROCESSOR.	COMCMTP	COMCMTP	37	A
COMCMTP	*		COMCMTP	COMCMTP	38	A
COMCMTP	*	DATA PROVIDED BY *COMCMTM*.	COMCMTP	COMCMTP	39	A
COMCMTP	*		COMCMTP	COMCMTP	40	A
COMCMTP	*	*NTAB* = NUMBER OF MANAGED TABLES.	COMCMTP	COMCMTP	41	A
COMCMTP	*	*FTAB* = START OF TABLE ADDRESSES.	COMCMTP	COMCMTP	42	A
COMCMTP	*	*LTAB* = START OF TABLE LENGTHS.	COMCMTP	COMCMTP	43	A
COMCMTP	*	*F.TNAM* = ADDRESS POINTER FOR TABLE *TNAM*.	COMCMTP	COMCMTP	44	A
COMCMTP	*	*L.TNAM* = LENGTH POINTER FOR TABLE *TNAM*.	COMCMTP	COMCMTP	45	A
COMCMTP	*	*C.TNAM* = WORDS/ENTRY FOR SEARCH ROUTINES.	COMCMTP	COMCMTP	46	A
COMCMTP	*		COMCMTP	COMCMTP	47	A
COMCMTP	*	DATA DYNAMICALLY CHANGABLE.	COMCMTP	COMCMTP	48	A
COMCMTP	*		COMCMTP	COMCMTP	49	A
COMCMTP	*	(TN) = NUMBER OF MANAGED TABLES. SET TO *NTAB* BY	COMCMTP	COMCMTP	50	A
COMCMTP	*	*COMCMTM*. VALUE MUST BE .LE. *NTAB* DURING USE.	COMCMTP	COMCMTP	51	A
COMCMTP	*	(TO) = TABLE OVERFLOW PROCESSOR. SET TO *TOV* BY	COMCMTP	COMCMTP	52	A
COMCMTP	*	*COMCMTM*.	COMCMTP	COMCMTP	53	A
COMCMTP	*	(LM) = LOW MEMORY LIMIT. VALUE SET TO *MEML* BY *COMCMTM*.	COMCMTP	COMCMTP	54	A
COMCMTP	*	IF THIS VALUE IS RAISED, *MTU* SHOULD BE CALLED	COMCMTP	COMCMTP	55	A
COMCMTP	*	TO ALLOW ROOM FOR CHANGE.	COMCMTP	COMCMTP	56	A
COMCMTP	*	(F.TEND) = HIGH MEMORY LIMIT. VALUE MUST BE INITIALIZED	COMCMTP	COMCMTP	57	A
COMCMTP	*	BY USER. IF THIS VALUE IS LOWERED, *MTD* SHOULD	COMCMTP	COMCMTP	58	A
COMCMTP	*	BE CALLED TO ALLOW ROOM FOR CHANGE.	COMCMTP	COMCMTP	59	A
COMCMTP	*	(TOVT) = *TOV* THRESHOLD. IF THIS WORD IS DEFINED IT	COMCMTP	COMCMTP	60	A
COMCMTP	*	SHOULD CONTAIN THE THRESHOLD FOR CALLING *TOV*; *ATS*	COMCMTP	COMCMTP	61	A
COMCMTP	*	WILL CALL *TOV* WHEN TABLES MUST BE MOVED AND LESS	COMCMTP	COMCMTP	62	A
COMCMTP	*	THAN (TOVT) FREE WORDS REMAIN. IF NOT DEFINED, AN	COMCMTP	COMCMTP	63	A
COMCMTP	*	EFFECTIVE VALUE OF ZERO IS USED.	COMCMTP	COMCMTP	64	A
COMCMTP	ADW	SPACE 4,10	COMCMTP	COMCMTP	65	A
COMCMTP	***	ADW - ADD WORD TO TABLE.	COMCMTP	COMCMTP	66	A
COMCMTP	*		COMCMTP	COMCMTP	67	A
COMCMTP	*	ENTRY (A0) = TABLE NUMBER.	COMCMTP	COMCMTP	68	A
COMCMTP	*	(X1) = WORD.	COMCMTP	COMCMTP	69	A
COMCMTP	*		COMCMTP	COMCMTP	70	A
COMCMTP	*	EXIT (X1) = WORD.	COMCMTP	COMCMTP	71	A
COMCMTP	*	(X6) = WORD.	COMCMTP	COMCMTP	72	A
COMCMTP	*	(A6) = ADDRESS OF WORD.	COMCMTP	COMCMTP	73	A
COMCMTP	*	(X2) = FWA TABLE.	COMCMTP	COMCMTP	74	A
COMCMTP	*	(X3) = LENGTH OF TABLE.	COMCMTP	COMCMTP	75	A
COMCMTP	*		COMCMTP	COMCMTP	76	A
COMCMTP	*	USES X - 1, 2, 3, 4, 6, 7.	COMCMTP	COMCMTP	77	A
COMCMTP	*	B - NONE.	COMCMTP	COMCMTP	78	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCMTP

COMCMTP	AMU	SUBR	ENTRY/EXIT	COMCMTP	COMCMTP	131	A
COMCMTP		SA1 TN	(B2) = NUMBER OF TABLES	COMCMTP	COMCMTP	132	A
COMCMTP		MX6 0	CLEAR ACCUMULATION	COMCMTP	COMCMTP	133	A
COMCMTP		SB2 X1		COMCMTP	COMCMTP	134	A
COMCMTP		SA2 LTAB	FIRST TABLE	COMCMTP	COMCMTP	135	A
COMCMTP		EQ AMU1		COMCMTP	COMCMTP	136	A
COMCMTP	ATS	SPACE 4,10		COMCMTP	COMCMTP	137	A
COMCMTP	***	ATS -	ALLOCATE TABLE SPACE.	COMCMTP	COMCMTP	138	A
COMCMTP	*			COMCMTP	COMCMTP	139	A
COMCMTP	*	ENTRY	(A0) = TABLE INDEX.	COMCMTP	COMCMTP	140	A
COMCMTP	*		(X1) = CHANGE (+ OR -) TO TABLE SIZE.	COMCMTP	COMCMTP	141	A
COMCMTP	*			COMCMTP	COMCMTP	142	A
COMCMTP	*	EXIT	(X1) = CHANGE.	COMCMTP	COMCMTP	143	A
COMCMTP	*		(X2) = FWA OF TABLE.	COMCMTP	COMCMTP	144	A
COMCMTP	*		(X3) = NEW LENGTH OF TABLE.	COMCMTP	COMCMTP	145	A
COMCMTP	*		(X7) .LT. 0 IF TABLES MOVED.	COMCMTP	COMCMTP	146	A
COMCMTP	*			COMCMTP	COMCMTP	147	A
COMCMTP	*	IF TABLES NOT MOVED -		COMCMTP	COMCMTP	148	A
COMCMTP	*	USES X - 2, 3, 4, 6, 7.		COMCMTP	COMCMTP	149	A
COMCMTP	*	B - NONE.		COMCMTP	COMCMTP	150	A
COMCMTP	*	A - 2, 3, 4, 6.		COMCMTP	COMCMTP	151	A
COMCMTP	*			COMCMTP	COMCMTP	152	A
COMCMTP	*	IF TABLES MOVED -		COMCMTP	COMCMTP	153	A
COMCMTP	*	USES X - 0, 1, 2, 3, 4, 5, 6, 7.		COMCMTP	COMCMTP	154	A
COMCMTP	*	B - 2, 3, 4, 5, 6, 7.		COMCMTP	COMCMTP	155	A
COMCMTP	*	A - 1, 2, 3, 4, 6, 7.		COMCMTP	COMCMTP	156	A
COMCMTP	*			COMCMTP	COMCMTP	157	A
COMCMTP	*	RESTORES X - 0, 1, 5.		COMCMTP	COMCMTP	158	A
COMCMTP	*	B - 2, 3, 4, 5, 6, 7. (EXCEPT -0)		COMCMTP	COMCMTP	159	A
COMCMTP	*			COMCMTP	COMCMTP	160	A
COMCMTP	*	CALLS AMU, MVE=, TOV.		COMCMTP	COMCMTP	161	A
COMCMTP	*			COMCMTP	COMCMTP	162	A
COMCMTP	*	ENTRY CONDITIONS FOR USER ROUTINE *TOV*.		COMCMTP	COMCMTP	163	A
COMCMTP	*			COMCMTP	COMCMTP	164	A
COMCMTP	*	(B1) = 1.		COMCMTP	COMCMTP	165	A
COMCMTP	*	(B5) = COMPLEMENT OF NUMBER OF WORDS REQUIRED.		COMCMTP	COMCMTP	166	A
COMCMTP	*	(B6) = RETURN ADDRESS TO CONTINUE PROCESSING, I.E.,		COMCMTP	COMCMTP	167	A
COMCMTP	*	EXIT FROM *TOV* VIA * JP B6 * INSTRUCTION.		COMCMTP	COMCMTP	168	A
COMCMTP	*			COMCMTP	COMCMTP	169	A
COMCMTP	*	THE LOCATION *TOV* MUST CONTAIN EXECUTABLE CODE. *TOV*		COMCMTP	COMCMTP	170	A
COMCMTP	*	IS ENTERED VIA A *JP*, NOT VIA *RJ*.		COMCMTP	COMCMTP	171	A
COMCMTP	*			COMCMTP	COMCMTP	172	A
COMCMTP	*	EXIT CONDITIONS FOR *TOV*.		COMCMTP	COMCMTP	173	A
COMCMTP	*			COMCMTP	COMCMTP	174	A
COMCMTP	*	ONLY B1 MUST BE PRESERVED.		COMCMTP	COMCMTP	175	A
COMCMTP	*			COMCMTP	COMCMTP	176	A
COMCMTP	*	A POINTER WORD MUST BE INCREMENTED BY THE NUMBER OF		COMCMTP	COMCMTP	177	A
COMCMTP	*	WORDS NEWLY AVAILABLE. IF *NT* HAS NOT BEEN ALTERED		COMCMTP	COMCMTP	178	A
COMCMTP	*	DURING EXECUTION, THE ADDRESS OF THE POINTER WORD IS		COMCMTP	COMCMTP	179	A
COMCMTP	*	*F.TEND*.		COMCMTP	COMCMTP	180	A
COMCMTP	*	IF *NT* HAS CHANGED, THE ADDRESS OF THE POINTER WORD		COMCMTP	COMCMTP	181	A
COMCMTP	*	= FTAB-1 PLUS THE CONTENTS OF *NT*.		COMCMTP	COMCMTP	182	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCMTP

COMCMTP					COMCMTP	COMCMTP	183	A
COMCMTP					COMCMTP	COMCMTP	184	A
COMCMTP	ATS	SUBR		ENTRY/EXIT	COMCMTP	COMCMTP	185	A
COMCMTP		SA2	FTAB+A0	CURRENT FWA	COMCMTP	COMCMTP	186	A
COMCMTP		SA3	LTAB+A0	CURRENT LENGTH	COMCMTP	COMCMTP	187	A
COMCMTP		SA4	A2+B1	NEXT TABLE FWA	COMCMTP	COMCMTP	188	A
COMCMTP		IX6	X1+X3	NEW LENGTH	COMCMTP	COMCMTP	189	A
COMCMTP		IX7	X4-X2	ROOM BETWEEN TABLES	COMCMTP	COMCMTP	190	A
COMCMTP		SA6	A3	SET NEW LENGTH	COMCMTP	COMCMTP	191	A
COMCMTP		IX7	X6-X7		COMCMTP	COMCMTP	192	A
COMCMTP		BX3	X6		COMCMTP	COMCMTP	193	A
COMCMTP		NG	X7,ATX	IF ROOM FOR CHANGE + 1 WORD, RETURN	COMCMTP	COMCMTP	194	A
COMCMTP		IX7	X6-X1	SET PREVIOUS LENGTH	COMCMTP	COMCMTP	195	A
COMCMTP					COMCMTP	COMCMTP	196	A
COMCMTP	*			INITIALIZE FOR TABLE MOVE.	COMCMTP	COMCMTP	197	A
COMCMTP					COMCMTP	COMCMTP	198	A
COMCMTP		BX6	X0	SAVE (X0)	COMCMTP	COMCMTP	199	A
COMCMTP		SA7	A3		COMCMTP	COMCMTP	200	A
COMCMTP		SA6	ATSB		COMCMTP	COMCMTP	201	A
COMCMTP		BX7	X1	SAVE (X1)	COMCMTP	COMCMTP	202	A
COMCMTP		LX6	X5	SAVE (X5)	COMCMTP	COMCMTP	203	A
COMCMTP		SA7	A6+B1		COMCMTP	COMCMTP	204	A
COMCMTP		SA6	A7+B1		COMCMTP	COMCMTP	205	A
COMCMTP		SX7	B2	SAVE B REGISTERS	COMCMTP	COMCMTP	206	A
COMCMTP		SX6	B3		COMCMTP	COMCMTP	207	A
COMCMTP		SA7	A6+B1		COMCMTP	COMCMTP	208	A
COMCMTP		SA6	A7+B1		COMCMTP	COMCMTP	209	A
COMCMTP		SX7	B4		COMCMTP	COMCMTP	210	A
COMCMTP		SX6	B5		COMCMTP	COMCMTP	211	A
COMCMTP		SA7	A6+B1		COMCMTP	COMCMTP	212	A
COMCMTP		SA6	A7+B1		COMCMTP	COMCMTP	213	A
COMCMTP		SX7	B6		COMCMTP	COMCMTP	214	A
COMCMTP		SX6	B7		COMCMTP	COMCMTP	215	A
COMCMTP		SA7	A6+1		COMCMTP	COMCMTP	216	A
COMCMTP		SA6	A7+1		COMCMTP	COMCMTP	217	A
COMCMTP					COMCMTP	COMCMTP	218	A
COMCMTP	*			COMPUTE REMAINING TABLE SPACE.	COMCMTP	COMCMTP	219	A
COMCMTP					COMCMTP	COMCMTP	220	A
COMCMTP	ATS1	SA2	TN	(B2) = NUMBER OF TABLES	COMCMTP	COMCMTP	221	A
COMCMTP		SB2	X2		COMCMTP	COMCMTP	222	A
COMCMTP		IX4	X1+X2	LENGTH = NUMBER OF TABLES + INCREASE	COMCMTP	COMCMTP	223	A
COMCMTP		SB3	B2-1		COMCMTP	COMCMTP	224	A
COMCMTP	ATS2	SB3	B3-B1	LENGTH = LENGTH + TABLE LENGTH	COMCMTP	COMCMTP	225	A
COMCMTP		SA3	LTAB+B3		COMCMTP	COMCMTP	226	A
COMCMTP		IX4	X4+X3		COMCMTP	COMCMTP	227	A
COMCMTP		NZ	B3,ATS2	LOOP FOR ALL TABLES	COMCMTP	COMCMTP	228	A
COMCMTP		SA2	LM	SET AVAILABLE LENGTH	COMCMTP	COMCMTP	229	A
COMCMTP		SA3	FTAB-1+B2		COMCMTP	COMCMTP	230	A
COMCMTP		IX6	X3-X2		COMCMTP	COMCMTP	231	A
COMCMTP		SB4	X4	(B4) = TOTAL ASSIGNED LENGTH	COMCMTP	COMCMTP	232	A
COMCMTP		IX7	X6-X4		COMCMTP	COMCMTP	233	A
COMCMTP		SB5	X7	(B5) = REMAINING SPACE	COMCMTP	COMCMTP	234	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCMTP

	COMCMTP	QUAL\$	IF	DEF,TOVT		COMCMTP	COMCMTP	235	A
1	COMCMTP		SA1	TOVT		COMCMTP	COMCMTP	236	A
2	COMCMTP		IX7	X7-X1	ALLOW FOR THRESHOLD	COMCMTP	COMCMTP	237	A
3	COMCMTP	QUAL\$	ENDIF			COMCMTP	COMCMTP	238	A
4	COMCMTP		MI	X7,ATS9	IF BELOW THRESHOLD	COMCMTP	COMCMTP	239	A
5	COMCMTP		SA3	FTAB	SET MOVE OFFSET FOR FIRST TABLE	COMCMTP	COMCMTP	240	A
6	COMCMTP		MX7	30		COMCMTP	COMCMTP	241	A
7	COMCMTP		IX4	X2-X3		COMCMTP	COMCMTP	242	A
8	COMCMTP		LX4	30		COMCMTP	COMCMTP	243	A
9	COMCMTP		BX4	X7*X4		COMCMTP	COMCMTP	244	A
10	COMCMTP		BX7	X3+X4		COMCMTP	COMCMTP	245	A
11	COMCMTP		SA7	A3		COMCMTP	COMCMTP	246	A
12	COMCMTP		SA1	ATSB+1	INCREMENT SIZE OF REQUESTED TABLE	COMCMTP	COMCMTP	247	A
13	COMCMTP		SA2	LTAB+A0		COMCMTP	COMCMTP	248	A
14	COMCMTP		IX6	X2+X1		COMCMTP	COMCMTP	249	A
15	COMCMTP		SA6	A2		COMCMTP	COMCMTP	250	A
16	COMCMTP					COMCMTP	COMCMTP	251	A
17	COMCMTP	*		ALLOCATE SPACE BETWEEN TABLES: (LA/2N) + ((TL*LA)/2) + 1.				252	A
18	COMCMTP	*		DETERMINE NEW FWA AND TEMPORARILY SET DIRECTED DISTANCE				253	A
19	COMCMTP	*		(OFFSET) IN TOP HALF OF FWA WORD.				254	A
20	COMCMTP					COMCMTP	COMCMTP	255	A
21	COMCMTP		SA1	FTAB-1+B2	(X0) = LWA+1 LAST TABLE	COMCMTP	COMCMTP	256	A
22	COMCMTP		SB6	B2-B1		COMCMTP	COMCMTP	257	A
23	COMCMTP		BX0	X1		COMCMTP	COMCMTP	258	A
24	COMCMTP	ATS3	SB6	B6-B1	I = I-1	COMCMTP	COMCMTP	259	A
25	COMCMTP		SA2	FTAB+B6	FWA(I)	COMCMTP	COMCMTP	260	A
26	COMCMTP		SX4	B5	LA (LENGTH AVAILABLE)	COMCMTP	COMCMTP	261	A
27	COMCMTP		SA1	LTAB+B6	TL (LENGTH OF TABLE)	COMCMTP	COMCMTP	262	A
28	COMCMTP		SX3	B2-B1	N (NUMBER OF TABLES)	COMCMTP	COMCMTP	263	A
29	COMCMTP		AX5	X4,B1	LA/2	COMCMTP	COMCMTP	264	A
30	COMCMTP		IX6	X4/X3,B7	L1 = LA/N	COMCMTP	COMCMTP	265	I
31		-CPSA133							
32	COMCMTP		IX6	X4/X3	L1 = LA/N		CPSA133	5	A
33	COMCMTP		ZR	B4,ATS4	IF NO TABLES ASSIGNED, L = L1	COMCMTP	COMCMTP	266	A
34	COMCMTP		SX3	B4	AL (TOTAL ASSIGNED LENGTH)	COMCMTP	COMCMTP	267	A
35	COMCMTP		IX7	X5*X1	(LA/2)*TL	COMCMTP	COMCMTP	268	A
36	COMCMTP		AX6	1	L1 = LA/2N	COMCMTP	COMCMTP	269	A
37	COMCMTP		IX7	X7/X3,B7	L2 = (TL*LA)/2	COMCMTP	COMCMTP	270	I
38		-CPSA133							
39	COMCMTP		IX7	X7/X3	L2 = (TL*LA)/2		CPSA133	6	A
40	COMCMTP		IX6	X6+X7	L = L1+L2	COMCMTP	COMCMTP	271	A
41	COMCMTP	ATS4	SX6	X6+B1	L = L+1	COMCMTP	COMCMTP	272	A
42	COMCMTP		IX4	X0-X6	FWA(I+1) - L	COMCMTP	COMCMTP	273	A
43	COMCMTP		IX7	X4-X1	FWA(I) = FWA(I+1) - L - TL - 1	COMCMTP	COMCMTP	274	A
44	COMCMTP		IX6	X7-X2	OFFSET TO NEW FWA	COMCMTP	COMCMTP	275	A
45	COMCMTP		MX3	30		COMCMTP	COMCMTP	276	A
46	COMCMTP		LX6	30	ADD OFFSET TO FWA WORD	COMCMTP	COMCMTP	277	A
47	COMCMTP		BX6	X3*X6		COMCMTP	COMCMTP	278	A
48	COMCMTP		LX0	X7	FWA(I+1) = FWA(I)	COMCMTP	COMCMTP	279	A
49	COMCMTP		BX6	X6+X2		COMCMTP	COMCMTP	280	A
50	COMCMTP		SA6	A2	30/OFFSET, 30/OLD FWA	COMCMTP	COMCMTP	281	A
51	COMCMTP		NE	B6,B1,ATS3	LOOP	COMCMTP	COMCMTP	282	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCMTP

COMCMTP	SA1	ATSB+1		COMCMTP	COMCMTP	283	A
COMCMTP	SA2	LTAB+A0		COMCMTP	COMCMTP	284	A
COMCMTP	IX6	X2-X1	REMOVE INCREASE	COMCMTP	COMCMTP	285	A
COMCMTP	SA6	A2		COMCMTP	COMCMTP	286	A
COMCMTP				COMCMTP	COMCMTP	287	A
COMCMTP *			MOVE TABLES. FIRST START AT LAST TABLE AND MOVE ALL TABLES	COMCMTP	COMCMTP	288	A
COMCMTP *			WHICH MOVE UP; THEN START AT FIRST TABLE AND MOVE ALL WHICH	COMCMTP	COMCMTP	289	A
COMCMTP *			MOVE DOWN.	COMCMTP	COMCMTP	290	A
COMCMTP				COMCMTP	COMCMTP	291	A
COMCMTP		SB6	B2-B1	COMCMTP	COMCMTP	292	A
COMCMTP	ATS5	SB6	B6-B1	COMCMTP	COMCMTP	293	A
COMCMTP		SA3	FTAB+B6	COMCMTP	COMCMTP	294	A
COMCMTP		SX2	X3	COMCMTP	COMCMTP	295	A
COMCMTP		MI	X3,ATS6	COMCMTP	COMCMTP	296	A
COMCMTP		AX3	30	COMCMTP	COMCMTP	297	A
COMCMTP		IX6	X2+X3	COMCMTP	COMCMTP	298	A
COMCMTP		ZR	X3,ATS6	COMCMTP	COMCMTP	299	A
COMCMTP		SA1	LTAB+B6	COMCMTP	COMCMTP	300	A
COMCMTP		BX3	X6	COMCMTP	COMCMTP	301	A
COMCMTP		SA6	A3	COMCMTP	COMCMTP	302	A
COMCMTP		RJ	=XMVE=	COMCMTP	COMCMTP	303	A
COMCMTP	ATS6	NE	B6,B1,ATS5	COMCMTP	COMCMTP	304	A
COMCMTP		SB2	B2-B1	COMCMTP	COMCMTP	305	A
COMCMTP		SB6	B0	COMCMTP	COMCMTP	306	A
COMCMTP	ATS7	GE	B6,B2,ATS8	COMCMTP	COMCMTP	307	A
COMCMTP		SA3	FTAB+B6	COMCMTP	COMCMTP	308	A
COMCMTP		SB6	B6+B1	COMCMTP	COMCMTP	309	A
COMCMTP		PL	X3,ATS7	COMCMTP	COMCMTP	310	A
COMCMTP		SX2	X3	COMCMTP	COMCMTP	311	A
COMCMTP		SA1	LTAB+B6	COMCMTP	COMCMTP	312	A
	-CPSA104						I
COMCMTP		SA1	LTAB+B6-1	CPSA104	CPSA104	17	A
COMCMTP		AX3	30	COMCMTP	COMCMTP	313	A
COMCMTP		IX6	X3+X2	COMCMTP	COMCMTP	314	A
COMCMTP		BX3	X6	COMCMTP	COMCMTP	315	A
COMCMTP		SA6	A3	COMCMTP	COMCMTP	316	A
COMCMTP		RJ	=XMVE=	COMCMTP	COMCMTP	317	A
COMCMTP		EQ	ATS7	COMCMTP	COMCMTP	318	A
COMCMTP				COMCMTP	COMCMTP	319	A
COMCMTP *			RESTORE REGISTERS.	COMCMTP	COMCMTP	320	A
COMCMTP				COMCMTP	COMCMTP	321	A
COMCMTP	ATS8	RJ	AMU	COMCMTP	COMCMTP	322	A
COMCMTP		SA3	LTAB+A0	COMCMTP	COMCMTP	323	A
COMCMTP		SA1	ATSA	COMCMTP	COMCMTP	324	A
COMCMTP		SX6	X1+B1	COMCMTP	COMCMTP	325	A
COMCMTP		SA6	A1	COMCMTP	COMCMTP	326	A
COMCMTP		SA2	ATSB	COMCMTP	COMCMTP	327	A
COMCMTP		SA1	A2+B1	COMCMTP	COMCMTP	328	A
COMCMTP		IX6	X1+X3	COMCMTP	COMCMTP	329	A
COMCMTP		SA6	A3	COMCMTP	COMCMTP	330	A
COMCMTP		BX0	X2	COMCMTP	COMCMTP	331	A
COMCMTP		SA3	A1+B1	COMCMTP	COMCMTP	332	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCMTP

COMCMTP	SA2	A3+B1	RESTORE B REGISTERS	COMCMTP	COMCMTP	333	A
COMCMTP	BX5	X3		COMCMTP	COMCMTP	334	A
COMCMTP	SB2	X2		COMCMTP	COMCMTP	335	A
COMCMTP	SA3	A2+B1		COMCMTP	COMCMTP	336	A
COMCMTP	SB3	X3		COMCMTP	COMCMTP	337	A
COMCMTP	SA4	A3+B1		COMCMTP	COMCMTP	338	A
COMCMTP	SB4	X4		COMCMTP	COMCMTP	339	A
COMCMTP	SA2	A4+B1		COMCMTP	COMCMTP	340	A
COMCMTP	SB5	X2		COMCMTP	COMCMTP	341	A
COMCMTP	SA3	A2+B1		COMCMTP	COMCMTP	342	A
COMCMTP	SB6	X3		COMCMTP	COMCMTP	343	A
COMCMTP	SA4	A3+B1		COMCMTP	COMCMTP	344	A
COMCMTP	SB7	X4		COMCMTP	COMCMTP	345	A
COMCMTP	SA2	FTAB+A0	SET TABLE FWA	COMCMTP	COMCMTP	346	A
COMCMTP	SA3	LTAB+A0	SET TABLE LENGTH	COMCMTP	COMCMTP	347	A
COMCMTP	SX7	-B1	FLAG TABLES MOVED	COMCMTP	COMCMTP	348	A
COMCMTP	EQ	AT SX	RETURN	COMCMTP	COMCMTP	349	A
COMCMTP				COMCMTP	COMCMTP	350	A
COMCMTP	*		PROCESS TABLE OVERFLOW.	COMCMTP	COMCMTP	351	A
COMCMTP				COMCMTP	COMCMTP	352	A
COMCMTP	ATS9	SA3	T0	COMCMTP	COMCMTP	353	A
COMCMTP		SB2	X3	COMCMTP	COMCMTP	354	A
COMCMTP		SX6	A0	COMCMTP	COMCMTP	355	A
COMCMTP		SB6	ATS10	COMCMTP	COMCMTP	356	A
COMCMTP		SA6	ATSC	COMCMTP	COMCMTP	357	A
COMCMTP		JP	B2	COMCMTP	COMCMTP	358	A
COMCMTP				COMCMTP	COMCMTP	359	A
COMCMTP	*		RETURN FROM USER ROUTINE *TOV*.	COMCMTP	COMCMTP	360	A
COMCMTP				COMCMTP	COMCMTP	361	A
COMCMTP	ATS10	SA1	ATSC	COMCMTP	COMCMTP	362	A
COMCMTP		SA0	X1+	COMCMTP	COMCMTP	363	A
COMCMTP		SA1	ATSB+1	COMCMTP	COMCMTP	364	A
COMCMTP		EQ	ATS1	COMCMTP	COMCMTP	365	A
COMCMTP			RE-COMPUTE WITH NEW MEMORY	COMCMTP	COMCMTP	366	A
COMCMTP	ATSA	CON	0	COMCMTP	COMCMTP	367	A
COMCMTP			COUNT OF TABLE MOVES	COMCMTP	COMCMTP	368	A
COMCMTP	ATSB	CON	0,0,0	COMCMTP	COMCMTP	369	A
COMCMTP			(X0, X1, X5) SAVE	COMCMTP	COMCMTP	370	A
COMCMTP		CON	0,0,0,0,0,0	COMCMTP	COMCMTP	371	A
COMCMTP	ATSC	CON	0	COMCMTP	COMCMTP	372	A
COMCMTP			(A0) SAVE IF TABLE OVERFLOW	COMCMTP	COMCMTP	373	A
COMCMTP	EQS	SPACE	4,10	COMCMTP	COMCMTP	374	A
COMCMTP	***	EQS -	EQUALITY SEARCH TABLE.	COMCMTP	COMCMTP	375	A
COMCMTP	*			COMCMTP	COMCMTP	376	A
COMCMTP	*	ENTRY	(X6) = ENTRY FOR SEARCH.	COMCMTP	COMCMTP	377	A
COMCMTP	*		(B7) = WORD COUNT/ENTRY.	COMCMTP	COMCMTP	378	A
COMCMTP	*		(A0) = TABLE NUMBER.	COMCMTP	COMCMTP	379	A
COMCMTP	*			COMCMTP	COMCMTP	380	A
COMCMTP	*	EXIT	(X2) = ENTRY FOUND.	COMCMTP	COMCMTP	381	A
COMCMTP	*			COMCMTP	COMCMTP	382	A
COMCMTP	*	USES	X - 1, 2, 3, 7.	COMCMTP	COMCMTP	383	A
COMCMTP	*		B - NONE.	COMCMTP	COMCMTP	384	A
COMCMTP	*		A - 1, 2, 6.				

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCMTP

	COMCMTP	*	CALLS			NONE.	COMCMTP	COMCMTP	385	A
1	COMCMTP						COMCMTP	COMCMTP	386	A
2	COMCMTP						COMCMTP	COMCMTP	387	A
3	COMCMTP	EQS	SUBR		ENTRY/EXIT		COMCMTP	COMCMTP	388	A
4	COMCMTP		SA1	FTAB+A0	SET TABLE PARAMETERS		COMCMTP	COMCMTP	389	A
5	COMCMTP		SA2	LTAB+A0			COMCMTP	COMCMTP	390	A
6	COMCMTP		IX3	X1+X2	SET SEARCH KEY IN LWA+1		COMCMTP	COMCMTP	391	A
7	COMCMTP		SA6	X3			COMCMTP	COMCMTP	392	A
8	COMCMTP		NO				COMCMTP	COMCMTP	393	A
9	COMCMTP		SA1	X1	FIRST ENTRY		COMCMTP	COMCMTP	394	A
10	COMCMTP	+	BX2	X1-X6	COMPARE ENTRIES		COMCMTP	COMCMTP	395	A
11	COMCMTP		SA1	A1+B7	NEXT ENTRY		COMCMTP	COMCMTP	396	A
12	COMCMTP		NZ	X2,*	LOOP TO MATCH		COMCMTP	COMCMTP	397	A
13	COMCMTP		SX7	A1-B7	CHECK SEARCH		COMCMTP	COMCMTP	398	A
14	COMCMTP		BX2	X7-X3			COMCMTP	COMCMTP	399	A
15	COMCMTP		ZR	X2,EQ SX	IF NOT FOUND, RETURN		COMCMTP	COMCMTP	400	A
16	COMCMTP		SA2	A1-B7	RETURN ENTRY		COMCMTP	COMCMTP	401	A
17	COMCMTP		EQ	EQ SX	RETURN		COMCMTP	COMCMTP	402	A
18	COMCMTP	MES	SPACE	4,10			COMCMTP	COMCMTP	403	A
19	COMCMTP	***	MES - MASKED EQUALITY SEARCH TABLE.				COMCMTP	COMCMTP	404	A
20	COMCMTP	*					COMCMTP	COMCMTP	405	A
21	COMCMTP	*	ENTRY	(X6) =	ENTRY FOR SEARCH.		COMCMTP	COMCMTP	406	A
22	COMCMTP	*	(X0) = MASK.				COMCMTP	COMCMTP	407	A
23	COMCMTP	*	(B7) = WORD COUNT/ENTRY.				COMCMTP	COMCMTP	408	A
24	COMCMTP	*	(A0) = TABLE NUMBER.				COMCMTP	COMCMTP	409	A
25	COMCMTP	*					COMCMTP	COMCMTP	410	A
26	COMCMTP	*	EXIT	(X2) =	ENTRY FOUND.		COMCMTP	COMCMTP	411	A
27	COMCMTP	*					COMCMTP	COMCMTP	412	A
28	COMCMTP	*	USES	X - 1, 2, 3, 4, 7.			COMCMTP	COMCMTP	413	A
29	COMCMTP	*	B - NONE.				COMCMTP	COMCMTP	414	A
30	COMCMTP	*	A - 1, 2, 6.				COMCMTP	COMCMTP	415	A
31	COMCMTP	*					COMCMTP	COMCMTP	416	A
32	COMCMTP	*	CALLS	NONE.			COMCMTP	COMCMTP	417	A
33	COMCMTP						COMCMTP	COMCMTP	418	A
34	COMCMTP						COMCMTP	COMCMTP	419	A
35	COMCMTP	MES1	BX4	X0*X2			COMCMTP	COMCMTP	420	A
36	COMCMTP		SA1	A1+B7	NEXT ENTRY		COMCMTP	COMCMTP	421	A
37	COMCMTP		BX2	X6-X1	COMPARE ENTRIES		COMCMTP	COMCMTP	422	A
38	COMCMTP		NZ	X4,MES1	LOOP TO MATCH		COMCMTP	COMCMTP	423	A
39	COMCMTP		SX7	A1-B7	CHECK SEARCH		COMCMTP	COMCMTP	424	A
40	COMCMTP		BX2	X7-X3			COMCMTP	COMCMTP	425	A
41	COMCMTP		ZR	X2,MESX	IF NOT FOUND, RETURN		COMCMTP	COMCMTP	426	A
42	COMCMTP		SA2	X7+	RETURN ENTRY		COMCMTP	COMCMTP	427	A
43	COMCMTP						COMCMTP	COMCMTP	428	A
44	COMCMTP	MES	SUBR		ENTRY/EXIT		COMCMTP	COMCMTP	429	A
45	COMCMTP		SA1	FTAB+A0	SET TABLE PARAMETERS		COMCMTP	COMCMTP	430	A
46	COMCMTP		SA2	LTAB+A0			COMCMTP	COMCMTP	431	A
47	COMCMTP		IX3	X1+X2	SET SEARCH KEY IN LWA+1		COMCMTP	COMCMTP	432	A
48	COMCMTP		SA6	X3			COMCMTP	COMCMTP	433	A
49	COMCMTP		SA1	X1	FIRST ENTRY		COMCMTP	COMCMTP	434	A
50	COMCMTP		BX2	X6-X1			COMCMTP	COMCMTP	435	A
51	COMCMTP		EQ	MES1			COMCMTP	COMCMTP	436	A
52										
53	0	1	2	3	4	5	6	7	8	
54	1234567890123456789012345678901234567890123456789012345678901234567890									



## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCMTP

	COMCMTP	MTD	SPACE 4,10			COMCMTP	COMCMTP	437	A		
1	COMCMTP	***	MTD - MOVE TABLES DOWN.			COMCMTP	COMCMTP	438	A	1	
2	COMCMTP	*				COMCMTP	COMCMTP	439	A	2	
3	COMCMTP	*	ENTRY NONE.			COMCMTP	COMCMTP	440	A	3	
4	COMCMTP	*				COMCMTP	COMCMTP	441	A	4	
5	COMCMTP	*	EXIT (B2) = NUMBER OF TABLES.			COMCMTP	COMCMTP	442	A	5	
6	COMCMTP	*				COMCMTP	COMCMTP	443	A	6	
7	COMCMTP	*	USES X - 0, 1, 2, 3, 4, 7.			COMCMTP	COMCMTP	444	A	7	
8	COMCMTP	*	B - 2, 3.			COMCMTP	COMCMTP	445	A	8	
9	COMCMTP	*	A - 1, 2, 3, 7.			COMCMTP	COMCMTP	446	A	9	
10	COMCMTP	*				COMCMTP	COMCMTP	447	A	10	
11	COMCMTP	*	CALLS MVE=.			COMCMTP	COMCMTP	448	A	11	
12	COMCMTP					COMCMTP	COMCMTP	449	A	12	
13	COMCMTP					COMCMTP	COMCMTP	450	A	13	
14	COMCMTP	MTD	SUBR	ENTRY/EXIT		COMCMTP	COMCMTP	451	A	14	
15	COMCMTP		SA1	LM	LOW MEMORY LIMIT	COMCMTP	COMCMTP	452	A	15	
16	COMCMTP		SA2	TN	(B2) = NUMBER OF TABLES	COMCMTP	COMCMTP	453	A	16	
17	COMCMTP		BX0	X1		COMCMTP	COMCMTP	454	A	17	
18	COMCMTP		SB2	X2		COMCMTP	COMCMTP	455	A	18	
19	COMCMTP		SB3	1		COMCMTP	COMCMTP	456	A	19	
20	COMCMTP	MTD1	SA2	FTAB-1+B3	ORIGIN = PREVIOUS FWA	COMCMTP	COMCMTP	457	A	20	
21	COMCMTP		SA3	LTAB-1+B3	WORD COUNT = LENGTH + 1	COMCMTP	COMCMTP	458	A	21	
22	COMCMTP		BX4	X2-X0	MOVE DIFFERENTIAL	COMCMTP	COMCMTP	459	A	22	
23	COMCMTP		SX1	X3+B1		COMCMTP	COMCMTP	460	A	23	
24	COMCMTP		SX7	X0	SET NEW FWA	COMCMTP	COMCMTP	461	A	24	
25	COMCMTP		IX0	X0+X1	NEXT FWA	COMCMTP	COMCMTP	462	A	25	
26	COMCMTP		SB3	B3+B1	ADVANCE TABLE NUMBER	COMCMTP	COMCMTP	463	A	26	
27	COMCMTP		ZR	X4,MTD2	IF NO MOVE REQUIRED	COMCMTP	COMCMTP	464	A	27	
28	COMCMTP		SA7	A2		COMCMTP	COMCMTP	465	A	28	
29	COMCMTP		SX3	X7	MOVE TABLE	COMCMTP	COMCMTP	466	A	29	
30	COMCMTP		RJ	=XMVE=		COMCMTP	COMCMTP	467	A	30	
31	COMCMTP	MTD2	LT	B3,B2,MTD1	LOOP TO LAST TABLE	COMCMTP	COMCMTP	468	A	31	
32	COMCMTP		EQ	MTDX	RETURN	COMCMTP	COMCMTP	469	A	32	
33	COMCMTP	MTU	SPACE	4,10		COMCMTP	COMCMTP	470	A	33	
34	COMCMTP	***	MTU - MOVE TABLES UP.			COMCMTP	COMCMTP	471	A	34	
35	COMCMTP	*				COMCMTP	COMCMTP	472	A	35	
36	COMCMTP	*	ENTRY NONE.			COMCMTP	COMCMTP	473	A	36	
37	COMCMTP	*				COMCMTP	COMCMTP	474	A	37	
38	COMCMTP	*	EXIT NONE.			COMCMTP	COMCMTP	475	A	38	
39	COMCMTP	*				COMCMTP	COMCMTP	476	A	39	
40	COMCMTP	*	USES X - 0, 1, 2, 3, 7.			COMCMTP	COMCMTP	477	A	40	
41	COMCMTP	*	B - 3.			COMCMTP	COMCMTP	478	A	41	
42	COMCMTP	*	A - 1, 2, 7.			COMCMTP	COMCMTP	479	A	42	
43	COMCMTP	*				COMCMTP	COMCMTP	480	A	43	
44	COMCMTP	*	CALLS MVE=.			COMCMTP	COMCMTP	481	A	44	
45	COMCMTP					COMCMTP	COMCMTP	482	A	45	
46	COMCMTP					COMCMTP	COMCMTP	483	A	46	
47	COMCMTP	MTU1	SB3	B3-B1	DECREMENT TABLE COUNT	COMCMTP	COMCMTP	484	A	47	
48	COMCMTP		SA2	FTAB+B3		COMCMTP	COMCMTP	485	A	48	
49	COMCMTP		SA1	LTAB+B3		COMCMTP	COMCMTP	486	A	49	
50	COMCMTP		IX7	X0-X1	NEW FWA = L - LENGTH	COMCMTP	COMCMTP	487	A	50	
51	COMCMTP		LX0	X7	L = NEW FWA	COMCMTP	COMCMTP	488	A	51	
52											52
53	0 1 2 3 4 5 6 7 8										53
54	1234567890123456789012345678901234567890123456789012345678901234567890										54



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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCMVE

	COMCMVE	*	* REQUIRED SHOULD BE DIRECTED TO THE COMPASS PROJECT				*	CPSA245	100	A
1	COMCMVE	*	* THROUGH THE PROPER PROCEDURE.				*	CPSA245	101	A
2	COMCMVE	*	*****					CPSA245	102	A
3	COMCMVE	*						CPSA245	103	A
4	COMCMVE	*					COMCMVE	COMCMVE	13	A
5	COMCMVE	*	MVE MOVES A SPECIFIED BLOCK OF DATA TO A SPECIFIED				COMCMVE	COMCMVE	14	A
6	COMCMVE	*	LOCATION.				COMCMVE	COMCMVE	15	A
7	COMCMVE	MVE	SPACE 4,10				COMCMVE	COMCMVE	16	A
8	COMCMVE	***	MVE - MOVES A BLOCK OF DATA. GIVEN A SOURCE				COMCMVE	COMCMVE	17	A
9	COMCMVE	*	ADDRESS, WORD COUNT, AND DESTINATION ADDRESS, MVE MOVES				COMCMVE	COMCMVE	18	A
10	COMCMVE	*	THE DATA FROM SOURCE ADDRESS THROUGH (SOURCE ADDRESS +				COMCMVE	COMCMVE	19	A
11	COMCMVE	*	WORD COUNT - 1) TO DESTINATION ADDRESS THROUGH				COMCMVE	COMCMVE	20	A
12	COMCMVE	*	(DESTINATION ADDRESS + WORD COUNT - 1). THE MOVE MAY				COMCMVE	COMCMVE	21	A
13	COMCMVE	*	BE IN EITHER DIRECTION.				COMCMVE	COMCMVE	22	A
14	COMCMVE	*					COMCMVE	COMCMVE	23	A
15	COMCMVE	*	NOTE- UPWARD MOVE MEANS TOWARD RA.				COMCMVE	COMCMVE	24	A
16	COMCMVE	*					COMCMVE	COMCMVE	25	A
17	COMCMVE	*	ENTRY (X1) = WORD COUNT.				COMCMVE	COMCMVE	26	A
18	COMCMVE	*	(X2) = SOURCE ADDRESS.				COMCMVE	COMCMVE	27	A
19	COMCMVE	*	(X3) = DESTINATION ADDRESS.				COMCMVE	COMCMVE	28	A
20	COMCMVE	*	(B1) = 1.				COMCMVE	COMCMVE	29	A
21	COMCMVE	*					COMCMVE	COMCMVE	30	A
22	COMCMVE	*	EXIT NONE.				COMCMVE	COMCMVE	31	A
23	COMCMVE	*					COMCMVE	COMCMVE	32	A
24	COMCMVE	*	USES X - 1, 2, 3, 4, 6, 7.				COMCMVE	COMCMVE	33	A
25	COMCMVE	*	B - 7.				COMCMVE	COMCMVE	34	A
26	COMCMVE	*	A - 2, 4, 6, 7.				COMCMVE	COMCMVE	35	A
27	COMCMVE	*					COMCMVE	COMCMVE	36	A
28	COMCMVE	*	CALLS NONE.				COMCMVE	COMCMVE	37	A
29	COMCMVE						COMCMVE	COMCMVE	38	A
30	COMCMVE						COMCMVE	COMCMVE	39	A
31	COMCMVE	*	COMPARE MOVE UNIT BUFFER AREA/PRESET.				COMCMVE	COMCMVE	40	A
32	COMCMVE	*	MVEB IS READ UP AND THEN RETURN JUMPED TO IN ORDER TO VOID				COMCMVE	COMCMVE	41	A
33	COMCMVE	*	THE INSTRUCTION STACK. LATER MVEB IS USED FOR THE CMU				COMCMVE	COMCMVE	42	A
34	COMCMVE	*	DESCRIPTOR WORD.				COMCMVE	COMCMVE	43	A
35	COMCMVE						COMCMVE	COMCMVE	44	A
36	COMCMVE	MVE11	BSS	0	ENTRY FOR PRESET		COMCMVE	COMCMVE	45	A
37	COMCMVE	MVEB	IX4	X2-X3	CHECK DIRECTION OF MOVE (NO CMU)		COMCMVE	COMCMVE	46	A
38	COMCMVE		MX7	59			COMCMVE	COMCMVE	47	A
39	COMCMVE		EQ	MVE13			COMCMVE	COMCMVE	48	A
40	COMCMVE						COMCMVE	COMCMVE	49	A
41	COMCMVE	MVEC	BX7	X2	CHECK IF CMU AVAILABLE (BUFFER AREA FWA)		COMCMVE	COMCMVE	50	A
42	COMCMVE		SA2	RA.CMU			COMCMVE	COMCMVE	51	A
43	COMCMVE		PL	X2,MVE12	IF NO CMU		COMCMVE	COMCMVE	52	A
44	COMCMVE		SA4	MVED			COMCMVE	COMCMVE	53	A
45	COMCMVE	MVE12	BX6	X4			COMCMVE	COMCMVE	54	A
46	COMCMVE		LX2	X7	RESTORE X2		COMCMVE	COMCMVE	55	A
47	COMCMVE		SA6	MVEA			COMCMVE	COMCMVE	56	A
48	COMCMVE		RJ	*	VOID INSTRUCTION STACK.			CPSA163	6	A
49	COMCMVE		EQ	MVE1	RESTART LOOP		COMCMVE	COMCMVE	57	A
50	COMCMVE						COMCMVE	COMCMVE	58	A
51	COMCMVE	MVED	IX4	X2-X3	CHECK DIRECTION OF MOVE (CMU)		COMCMVE	COMCMVE	59	A
52										
53	0 1 2 3 4 5 6 7 8									
54	1234567890123456789012345678901234567890123456789012345678901234567890									



## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCMVE

COMCMVE	SA4	A4+B7	COMCMVE	COMCMVE	108	A
COMCMVE			COMCMVE	COMCMVE	109	A
COMCMVE *	MOVE	LOOP.	COMCMVE	COMCMVE	110	A
COMCMVE			COMCMVE	COMCMVE	111	A
COMCMVE MVE17	BX6	X2	COMCMVE	COMCMVE	112	A
COMCMVE	SA2	A2+B7	COMCMVE	COMCMVE	113	A
COMCMVE	LX7	X4	COMCMVE	COMCMVE	114	A
COMCMVE	SA4	A4+B7	COMCMVE	COMCMVE	115	A
COMCMVE	IX1	X1-X3	COMCMVE	COMCMVE	116	A
COMCMVE	NO		COMCMVE	COMCMVE	117	A
COMCMVE	SA6	A6+B7	COMCMVE	COMCMVE	118	A
COMCMVE	SA7	A7+B7	COMCMVE	COMCMVE	119	A
COMCMVE	NZ	X1,MVE17	COMCMVE	COMCMVE	120	A
COMCMVE			COMCMVE	COMCMVE	121	A
COMCMVE MVEE	BSS	0	COMCMVE	COMCMVE	122	A
COMCMVE MVELL	EQU	MVEE-MVEC	COMCMVE	COMCMVE	123	A
COMCMVE			COMCMVE	COMCMVE	124	A
COMCMVE MVE=	SUBR		COMCMVE	COMCMVE	125	A
COMCMVE MVEA	BSS	0	COMCMVE	COMCMVE	126	A
COMCMVE MVE1	SA4	MVEB	COMCMVE	COMCMVE	127	A
COMCMVE	RJ	MVE11	COMCMVE	COMCMVE	128	A
COMCMVE *	IX4	X2-X3	COMCMVE	COMCMVE	129	A
COMCMVE *	MX7	59	COMCMVE	COMCMVE	130	A
COMCMVE *	EQ	MVE13	COMCMVE	COMCMVE	131	A
COMCMVE *			COMCMVE	COMCMVE	132	A
COMCMVE *	IX4	X2-X3	COMCMVE	COMCMVE	133	A
COMCMVE *	BX7	X1	COMCMVE	COMCMVE	134	A
COMCMVE *	BX1	X0	COMCMVE	COMCMVE	135	A
COMCMVE *	LX2	30	COMCMVE	COMCMVE	136	A
COMCMVE			COMCMVE	COMCMVE	137	A
COMCMVE *	MOVE	DATA WITH CMU.	COMCMVE	COMCMVE	138	A
COMCMVE			COMCMVE	COMCMVE	139	A
COMCMVE	ZR	X7,MVEX	COMCMVE	COMCMVE	140	I
-CPSA104						
COMCMVE	ZR	X7,MVE=	CPSA104	CPSA104	20	A
COMCMVE	SX6	X7-819	COMCMVE	COMCMVE	141	A
COMCMVE	BX0	X4	COMCMVE	COMCMVE	142	A
COMCMVE	NG	X4,MVE2	COMCMVE	COMCMVE	143	A
COMCMVE	BX0	-X4	COMCMVE	COMCMVE	144	A
COMCMVE MVE2	IX0	X0+X7	COMCMVE	COMCMVE	145	A
COMCMVE	BX6	X0*X6	COMCMVE	COMCMVE	146	A
COMCMVE	PL	X6,MVE3	COMCMVE	COMCMVE	147	A
COMCMVE	BX0	X7	COMCMVE	COMCMVE	148	A
COMCMVE	BX2	X2+X3	COMCMVE	COMCMVE	149	A
COMCMVE	BX7	X7-X7	COMCMVE	COMCMVE	150	A
COMCMVE	MX4	-4	COMCMVE	COMCMVE	151	A
COMCMVE	SB7	MVE9	COMCMVE	COMCMVE	152	A
COMCMVE	EQ	MVE10	COMCMVE	COMCMVE	153	A
COMCMVE			COMCMVE	COMCMVE	154	A
COMCMVE MVE3	SX6	MVEC	COMCMVE	COMCMVE	155	A
COMCMVE	NG	X4,MVE6	COMCMVE	COMCMVE	156	A
COMCMVE			COMCMVE	COMCMVE	157	A
0	1	2	3	4	5	6
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCMVE

	COMCMVE	*	MOVE UPWARD.				COMCMVE	COMCMVE	158	A
1	COMCMVE						COMCMVE	COMCMVE	159	A
2	COMCMVE		BX2	X2+X6			COMCMVE	COMCMVE	160	A
3	COMCMVE		LX6	30			COMCMVE	COMCMVE	161	A
4	COMCMVE		BX3	X3+X6			COMCMVE	COMCMVE	162	A
5	COMCMVE	MVE4	BX0	X7			COMCMVE	COMCMVE	163	A
6	COMCMVE		SX7	X7-MVELL	DECREMENT WORD COUNT		COMCMVE	COMCMVE	164	A
7	COMCMVE		MX4	-4			COMCMVE	COMCMVE	165	A
8	COMCMVE		NG	X7,MVE5	IF LAST BLOCK TO MOVE		COMCMVE	COMCMVE	166	A
9	COMCMVE		SX0	MVELL			COMCMVE	COMCMVE	167	A
10	COMCMVE	MVE5	SB7	++1	SET TO RETURN HERE		COMCMVE	COMCMVE	168	A
11	COMCMVE		EQ	MVE10			COMCMVE	COMCMVE	169	A
12	COMCMVE		IM	MVEB			COMCMVE	COMCMVE	170	A
13	COMCMVE		SB7	X7			COMCMVE	COMCMVE	171	A
14	COMCMVE		BX0	X1	RESTORE X0		COMCMVE	COMCMVE	172	A
15	COMCMVE		LT	B7,B1,MVEX	IF MOVE COMPLETE, RETURN		COMCMVE	COMCMVE	173	I
16		-CPSA104								
17	COMCMVE		LT	B7,B1,MVE=	IF MOVE COMPLETE, RETURN		CPSA104	CPSA104	21	A
18	COMCMVE		SX4	-MVELL	UPDATE ADDRESSES		COMCMVE	COMCMVE	174	A
19	COMCMVE		IX3	X3-X4			COMCMVE	COMCMVE	175	A
20	COMCMVE		LX4	30			COMCMVE	COMCMVE	176	A
21	COMCMVE		IX2	X2-X4			COMCMVE	COMCMVE	177	A
22	COMCMVE		EQ	MVE4			COMCMVE	COMCMVE	178	A
23	COMCMVE						COMCMVE	COMCMVE	179	A
24	COMCMVE	*	MOVE DOWNWARD.				COMCMVE	COMCMVE	180	A
25	COMCMVE						COMCMVE	COMCMVE	181	A
26	COMCMVE	MVE6	LX6	30	SET LAST WORD ADDRESSES OF DATA AREAS		COMCMVE	COMCMVE	182	A
27	COMCMVE		BX6	X7+X6			COMCMVE	COMCMVE	183	A
28	COMCMVE		IX3	X3+X6			COMCMVE	COMCMVE	184	A
29	COMCMVE		LX6	30			COMCMVE	COMCMVE	185	A
30	COMCMVE		IX2	X2+X6			COMCMVE	COMCMVE	186	A
31	COMCMVE	MVE7	SX6	MVELL			COMCMVE	COMCMVE	187	A
32	COMCMVE		SX0	X7			COMCMVE	COMCMVE	188	A
33	COMCMVE		IX7	X7-X6			COMCMVE	COMCMVE	189	A
34	COMCMVE		MX4	-4			COMCMVE	COMCMVE	190	A
35	COMCMVE		NG	X7,MVE8	IF LAST BLOCK TO MOVE		COMCMVE	COMCMVE	191	A
36	COMCMVE		BX0	X6			COMCMVE	COMCMVE	192	A
37	COMCMVE	MVE8	BX6	X0	ADJUST DESTINATION AND SOURCE ADDRESSES		COMCMVE	COMCMVE	193	A
38	COMCMVE		IX3	X3-X0			COMCMVE	COMCMVE	194	A
39	COMCMVE		LX6	30			COMCMVE	COMCMVE	195	A
40	COMCMVE		IX2	X2-X6			COMCMVE	COMCMVE	196	A
41	COMCMVE		SB7	++1	SET TO RETURN HERE		COMCMVE	COMCMVE	197	A
42	COMCMVE		EQ	MVE10			COMCMVE	COMCMVE	198	A
43	COMCMVE		IM	MVEB	MOVE DATA TO DESTINATION BUFFER		COMCMVE	COMCMVE	199	A
44	COMCMVE	MVE9	SB7	X7			COMCMVE	COMCMVE	200	A
45	COMCMVE		BX0	X1	RESTORE X0		COMCMVE	COMCMVE	201	A
46	COMCMVE		LT	B7,B1,MVEX	IF MOVE COMPLETE, RETURN		COMCMVE	COMCMVE	202	I
47		-CPSA104								
48	COMCMVE		LT	B7,B1,MVE=	IF MOVE COMPLETE, RETURN		CPSA104	CPSA104	22	A
49	COMCMVE		EQ	MVE7	LOOP		COMCMVE	COMCMVE	203	A
50	COMCMVE						COMCMVE	COMCMVE	204	A
51	COMCMVE	*	SETUP MOVE WORD.				COMCMVE	COMCMVE	205	A
52										
53		0	1	2	3	4	5	6	7	8
54		1234567890123456789012345678901234567890123456789012345678901234567890								
55										
56										
57										
58										
59										
60										



## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCMVE

COMCMVE \* (X0) = NUMBER OF WORDS TO MOVE.  
COMCMVE \* (X4) = 56 BIT MASK.  
COMCMVE MVE10 LX6 X0,B1 10 \* WORD COUNT = CHARACTER COUNT  
COMCMVE LX0 3  
COMCMVE IX6 X0+X6  
COMCMVE BX0 -X4\*X6 EXTRACT LOWER PORTION  
COMCMVE BX4 X4\*X6 EXTRACT UPPER PORTION  
COMCMVE LX0 26  
COMCMVE LX4 48-4  
COMCMVE BX0 X4+X0  
COMCMVE BX6 X2+X0  
COMCMVE SA6 MVEB STORE FIRST DESCRIPTOR WORD  
COMCMVE BX6 X3+X0  
COMCMVE IM MVEB MOVE DATA TO INTERMEDIATE BUFFER  
COMCMVE SA6 A6 STORE SECOND DESCRIPTOR WORD  
COMCMVE JP B7  
COMCMVE MVE SPACE 4,10  
COMCMVE BASE \*  
COMCMVE QUAL\$ IF -DEF,QUAL\$  
COMCMVE QUAL \*  
COMCMVE MVE= EQU /COMCMVE/MVE=  
COMCMVE QUAL\$ ENDIF  
COMCMVE MVE ENDX

COMCMVE COMCMVE 206 A  
COMCMVE COMCMVE 207 A  
COMCMVE COMCMVE 208 A  
COMCMVE COMCMVE 209 A  
COMCMVE COMCMVE 210 A  
COMCMVE COMCMVE 211 A  
COMCMVE COMCMVE 212 A  
COMCMVE COMCMVE 213 A  
COMCMVE COMCMVE 214 A  
COMCMVE COMCMVE 215 A  
COMCMVE COMCMVE 216 A  
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COMCMVE COMCMVE 218 A  
COMCMVE COMCMVE 219 A  
COMCMVE COMCMVE 220 A  
COMCMVE COMCMVE 221 A  
COMCMVE COMCMVE 222 A  
COMCMVE COMCMVE 223 A  
COMCMVE COMCMVE 224 A  
COMCMVE COMCMVE 225 A  
COMCMVE COMCMVE 226 A  
COMCMVE COMCMVE 227 A  
COMCMVE COMCMVE 228 A  
COMCMVE COMCMVE 229 A

## SUMMARY OF UPDATE IDENTIFIERS WITHIN DECK - COMCMVE

IDENTIFIER	TOTAL	ACTIVE
COMCMVE	229	224
CPSA104	5	5
CPSA163	1	1
CPSA245	9	9

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCRDC

COMCRDC \*COMDECK COMCRDC READ CODED LINE, \*C\* FORMAT.  
COMCRDC RDC CTEXT COMCRDC - READ CODED LINE, -C- FORMAT.  
COMCRDC RDC SPACE 4,10  
COMCRDC IF -DEF,QUAL\$,1  
COMCRDC QUAL COMCRDC  
COMCRDC BASE D  
COMCRDC \* COMMENT COPYRIGHT CONTROL DATA CORP. 1970, 1978.  
COMCRDC RDC SPACE 4,10  
COMCRDC \*\*\* RDC - READ CODED LINE, -C- FORMAT.  
COMCRDC \*  
COMCRDC \* G. R. MANSFIELD. 70/10/09.  
COMCRDC \* R. R. RAGAN. 77/07/24.  
COMCRDC \*  
COMCRDC \* \*\*\*\*\*  
COMCRDC \* \* THIS COMMON DECK IS PART OF THE COMMON COMMON DECKS \*  
COMCRDC \* \* RESIDING ON THE COMPASS PROGRAM LIBRARY, AND BEING \*

COMCRDC COMCRDC 1 A  
COMCRDC COMCRDC 2 A  
COMCRDC COMCRDC 3 A  
COMCRDC COMCRDC 4 A  
COMCRDC COMCRDC 5 A  
COMCRDC COMCRDC 6 A  
COMCRDC COMCRDC 7 A  
COMCRDC COMCRDC 8 A  
COMCRDC COMCRDC 9 A  
COMCRDC COMCRDC 10 A  
COMCRDC COMCRDC 11 A  
COMCRDC COMCRDC 12 A  
COMCRDC CPSA245 104 A  
COMCRDC CPSA245 105 A  
COMCRDC CPSA245 106 A  
COMCRDC CPSA245 107 A

0 1 2 3 4 5 6 7 8  
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCRDC

	COMCRDC		SB7	-B7		COMCRDC	COMCRDC	58	A
1	COMCRDC	RDC1	SA3	X2+B1	(X3) = FIRST	COMCRDC	COMCRDC	59	I
2		-CPSA123							
3	COMCRDC	RDC1	NZ	B2,RDC1A	IF ORIGINAL (B7) IS NON-ZERO		CPSA123	5	A
4	COMCRDC		SB7	-B1	ENSURE TRANSFER TILL END OF LINE		CPSA123	6	A
5	COMCRDC	RDC1A	SA3	X2+B1	(X3) = FIRST		CPSA123	7	A
6	COMCRDC		SB7	B6+B7	(B7) = LWA+1 WORKING BUFFER	COMCRDC	COMCRDC	60	A
7	COMCRDC		MX4	-12	(X4) = BYTE MASK	COMCRDC	COMCRDC	61	A
8	COMCRDC		SB5	X1		COMCRDC	COMCRDC	62	A
9	COMCRDC					COMCRDC	COMCRDC	63	A
10	COMCRDC	*			INITIALIZE REGISTERS FOR TRANSFER.	COMCRDC	COMCRDC	64	A
11	COMCRDC					COMCRDC	COMCRDC	65	A
12	COMCRDC	RDC2	SA1	A3+B1	(B3) = IN	COMCRDC	COMCRDC	66	A
13	COMCRDC		SA2	A1+B1	(B4) = OUT	COMCRDC	COMCRDC	67	A
14	COMCRDC		SB3	X1		COMCRDC	COMCRDC	68	A
15	COMCRDC		SB4	X2		COMCRDC	COMCRDC	69	A
16	COMCRDC					COMCRDC	COMCRDC	70	A
17	COMCRDC	*			TRANSFER DATA FROM CIRCULAR BUFFER TO WORKING BUFFER.	COMCRDC	COMCRDC	71	A
18	COMCRDC					COMCRDC	COMCRDC	72	A
19	COMCRDC	RDC3	EQ	B4,B3,=XLCB=	LOAD CIRCULAR BUFFER IF OUT = IN	COMCRDC	COMCRDC	73	A
20	COMCRDC		SA1	B4	READ WORD	COMCRDC	COMCRDC	74	A
21	COMCRDC		SB4	B4+B1	(OUT+1)	COMCRDC	COMCRDC	75	A
22	COMCRDC		BX7	-X4*X1	CHECK LAST BYTE	COMCRDC	COMCRDC	76	A
23	COMCRDC		EQ	B4,B5,RDC6	IF (OUT+1) = LIMIT	COMCRDC	COMCRDC	77	A
24	COMCRDC		BX6	X1		COMCRDC	COMCRDC	78	A
25	COMCRDC	RDC4	ZR	X7,RDC5	IF END OF LINE	COMCRDC	COMCRDC	79	A
26	COMCRDC		EQ	B6,B7,RDC3	IF WORKING BUFFER FILLED	COMCRDC	COMCRDC	80	A
27	COMCRDC		SA6	B6	STORE WORD	COMCRDC	COMCRDC	81	A
28	COMCRDC		SB6	B6+B1		COMCRDC	COMCRDC	82	A
29	COMCRDC		NE	B6,B7,RDC3	IF WORKING BUFFER NOT FULL	COMCRDC	COMCRDC	83	A
30	COMCRDC		PL	B2,RDC3	IF REST OF LINE TO BE SKIPPED	COMCRDC	COMCRDC	84	A
31	COMCRDC		BX6	X4*X6	CLEAR LAST BYTE	COMCRDC	COMCRDC	85	A
32	COMCRDC		SB6	B6-B1		COMCRDC	COMCRDC	86	A
33	COMCRDC					COMCRDC	COMCRDC	87	A
34	COMCRDC	*			STORE LAST WORD TO WORKING BUFFER.	COMCRDC	COMCRDC	88	A
35	COMCRDC					COMCRDC	COMCRDC	89	A
36	COMCRDC	RDC5	EQ	B6,B7,RDC7	IF WORKING BUFFER FULL	COMCRDC	COMCRDC	90	A
37	COMCRDC		SA6	B6	STORE LAST WORD	COMCRDC	COMCRDC	91	A
38	COMCRDC		SB6	B6+B1		COMCRDC	COMCRDC	92	A
39	COMCRDC		BX4	X1	RETURN LAST WORD BEFORE EOL CLEARED	COMCRDC	COMCRDC	93	A
40	COMCRDC		EQ	=XRDY=	EXIT	COMCRDC	COMCRDC	94	A
41	COMCRDC					COMCRDC	COMCRDC	95	A
42	COMCRDC	RDC6	SB4	X3	(OUT+1) = FIRST	COMCRDC	COMCRDC	96	A
43	COMCRDC		BX6	X1		COMCRDC	COMCRDC	97	A
44	COMCRDC		EQ	RDC4	LOOP	COMCRDC	COMCRDC	98	A
45	COMCRDC					COMCRDC	COMCRDC	99	A
46	COMCRDC	RDC7	SA1	B6-B1	READ LAST WORD IN WORKING BUFFER	COMCRDC	COMCRDC	100	A
47	COMCRDC		BX6	X4*X1	CLEAR LAST BYTE	COMCRDC	COMCRDC	101	A
48	COMCRDC		BX4	X1	RETURN LAST WORD BEFORE EOL CLEARED	COMCRDC	COMCRDC	102	A
49	COMCRDC		SA6	A1		COMCRDC	COMCRDC	103	A
50	COMCRDC		EQ	=XRDY=	EXIT	COMCRDC	COMCRDC	104	A
51	COMCRDC	RDS	SPACE	4,10		COMCRDC	COMCRDC	105	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCRDC

COMCRDC	BASE	*	COMCRDC	COMCRDC	106	A	
COMCRDC	QUAL\$	IF	-DEF,QUAL\$	COMCRDC	COMCRDC	107	A
COMCRDC		QUAL	*	COMCRDC	COMCRDC	108	A
COMCRDC	RDC=	EQU	/COMCRDC/RDC=	COMCRDC	COMCRDC	109	A
COMCRDC	QUAL\$	ENDIF		COMCRDC	COMCRDC	110	A
COMCRDC	RDC	ENDX		COMCRDC	COMCRDC	111	A

## SUMMARY OF UPDATE IDENTIFIERS WITHIN DECK - COMCRDC

IDENTIFIER	TOTAL	ACTIVE
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COMCRDC	111	109
CPSA104	1	1
CPSA123	3	3
CPSA245	9	9

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCRDH

COMCRDH	*COMDECK	COMCRDH	READ CODED LINE, *H* FORMAT.	COMCRDH	COMCRDH	1	A
COMCRDH	RDH	CTEXT	COMCRDH - READ CODED LINE, -H- FORMAT.	COMCRDH	COMCRDH	2	A
COMCRDH	RDH	SPACE	4,10	COMCRDH	COMCRDH	3	A
COMCRDH		IF	-DEF,QUAL\$,1	COMCRDH	COMCRDH	4	A
COMCRDH		QUAL	COMCRDH	COMCRDH	COMCRDH	5	A
COMCRDH		BASE	D	COMCRDH	COMCRDH	6	A
COMCRDH	*	COMMENT	COPYRIGHT CONTROL DATA CORP. 1970, 1978.	COMCRDH	COMCRDH	7	A
COMCRDH	RDH	SPACE	4,10	COMCRDH	COMCRDH	8	A
COMCRDH	***	RDH	- READ CODED LINE, -H- FORMAT.	COMCRDH	COMCRDH	9	A
COMCRDH	*			COMCRDH	COMCRDH	10	A
COMCRDH	*	G. R. MANSFIELD.	70/10/09.	COMCRDH	COMCRDH	11	A
COMCRDH	*	R. R. RAGAN.	77/07/24.	COMCRDH	COMCRDH	12	A
COMCRDH	*				CPSA245	113	A
COMCRDH	*	*****			CPSA245	114	A
COMCRDH	*	* THIS COMMON DECK IS PART OF THE COMMON COMMON DECKS *			CPSA245	115	A
COMCRDH	*	* RESIDING ON THE COMPASS PROGRAM LIBRARY, AND BEING *			CPSA245	116	A
COMCRDH	*	* MAINTAINED BY THE COMPASS PROJECT. ANY CHANGES *			CPSA245	117	A
COMCRDH	*	* REQUIRED SHOULD BE DIRECTED TO THE COMPASS PROJECT *			CPSA245	118	A
COMCRDH	*	* THROUGH THE PROPER PROCEDURE. *			CPSA245	119	A
COMCRDH	*	*****			CPSA245	120	A
COMCRDH	*				CPSA245	121	A
COMCRDH	*			COMCRDH	COMCRDH	13	A
COMCRDH	*	RDH READS A CODED LINE TERMINATED BY A ZERO BYTE FROM		COMCRDH	COMCRDH	14	A
COMCRDH	*	A CIO BUFFER TO A WORKING STORAGE AREA AND SUPPLIES		COMCRDH	COMCRDH	15	A
COMCRDH	*	TRAILING SPACE FILL.		COMCRDH	COMCRDH	16	A
COMCRDH	RDH	SPACE	4,10	COMCRDH	COMCRDH	17	A
COMCRDH	***	RDH READS 1 CODED LINE FROM A CIO BUFFER TO A WORKING		COMCRDH	COMCRDH	18	A
COMCRDH	*	BUFFER WITH TRAILING SPACE FILL.		COMCRDH	COMCRDH	19	A
COMCRDH	*			COMCRDH	COMCRDH	20	A
COMCRDH	*	ENTRY (X2) = ADDRESS OF FET FOR FILE.		COMCRDH	COMCRDH	21	A
COMCRDH	*	(B6) = FWA WORKING BUFFER.		COMCRDH	COMCRDH	22	A
COMCRDH	*	(B7) = WORD COUNT OF WORKING BUFFER.		COMCRDH	COMCRDH	23	A
COMCRDH	*			COMCRDH	COMCRDH	24	A
COMCRDH	*	EXIT (X1) = 0 FOR TRANSFER COMPLETE.		COMCRDH	COMCRDH	25	A

0	1	2	3	4	5	6	7	8
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCRDH

COMCRDH	*	(X1) = -1 IF EOF DETECTED ON FILE.				COMCRDH	COMCRDH	26	A
COMCRDH	*	(X1) = -2 IF EOI DETECTED ON FILE.				COMCRDH	COMCRDH	27	A
COMCRDH	*	(X1) = (B6) IF EOR WAS DETECTED ON FILE BEFORE				COMCRDH	COMCRDH	28	A
COMCRDH	*	TRANSFER WAS COMPLETED.				COMCRDH	COMCRDH	29	A
COMCRDH	*	(B6) = ADDRESS PLUS ONE OF LAST WORD TRANSFERRED TO				COMCRDH	COMCRDH	30	A
COMCRDH	*	WORKING BUFFER.				COMCRDH	COMCRDH	31	A
COMCRDH	*	(X2) = ADDRESS OF FET FOR FILE.				COMCRDH	COMCRDH	32	A
COMCRDH	*	(X7) = LEVEL NUMBER ON EOR.				COMCRDH	COMCRDH	33	A
COMCRDH	*	(B1) = 1.				COMCRDH	COMCRDH	34	A
COMCRDH	*					COMCRDH	COMCRDH	35	A
COMCRDH	*	USES	X - 1, 2, 3, 4, 6, 7.			COMCRDH	COMCRDH	36	A
COMCRDH	*		B - 1, 2, 3, 4, 5, 6, 7.			COMCRDH	COMCRDH	37	A
COMCRDH	*		A - 1, 2, 3, 4, 6.			COMCRDH	COMCRDH	38	A
COMCRDH	*					COMCRDH	COMCRDH	39	A
COMCRDH	*	CALLS	LCB=, RDX=.			COMCRDH	COMCRDH	40	A
COMCRDH						COMCRDH	COMCRDH	41	A
COMCRDH						COMCRDH	COMCRDH	42	A
COMCRDH	RDH=	SUBR	ENTRY/EXIT			COMCRDH	COMCRDH	43	A
COMCRDH		SA4	RDH6	SET RETURN ADDRESS		COMCRDH	COMCRDH	44	A
COMCRDH		IF	-DEF,B1=1,1			COMCRDH	COMCRDH	45	A
COMCRDH		SB1	1			COMCRDH	COMCRDH	46	A
COMCRDH		SA1	X2+4	(B5) = LIMIT		COMCRDH	COMCRDH	47	A
COMCRDH		SA3	X2+B1	(X3) = FIRST		COMCRDH	COMCRDH	48	A
COMCRDH		SB7	B6+B7	(B7) = LWA+1 WORKING BUFFER		COMCRDH	COMCRDH	49	A
COMCRDH		SB5	X1			COMCRDH	COMCRDH	50	A
COMCRDH		SX6	B6				CPSA148	5	A
COMCRDH		SA6	RDHC	SAVE FWA WORKING BUFFER			CPSA148	6	A
COMCRDH		BX4	X4-X4	(X4) = FLAG FOR 11 CHAR LINE TERMINATOR		COMCRDH	COMCRDH	51	A
COMCRDH						COMCRDH	COMCRDH	52	A
COMCRDH	*	INITIALIZE REGISTERS FOR TRANSFER.				COMCRDH	COMCRDH	53	A
COMCRDH						COMCRDH	COMCRDH	54	A
COMCRDH	RDH1	SA1	A3+B1	(B3) = IN		COMCRDH	COMCRDH	55	A
COMCRDH		SA2	A1+B1	(B4) = OUT		COMCRDH	COMCRDH	56	A
COMCRDH		MX7	-12	(X7) = BYTE MASK		COMCRDH	COMCRDH	57	A
COMCRDH		SB3	X1			COMCRDH	COMCRDH	58	A
COMCRDH		SB4	X2+			COMCRDH	COMCRDH	59	A
COMCRDH						COMCRDH	COMCRDH	60	A
COMCRDH	*	TRANSFER DATA FROM CIRCULAR BUFFER TO WORKING BUFFER.				COMCRDH	COMCRDH	61	A
COMCRDH						COMCRDH	COMCRDH	62	A
COMCRDH	RDH2	EQ	B4,B3,=XLCB= LOAD CIRCULAR BUFFER IF OUT = IN			COMCRDH	COMCRDH	63	A
COMCRDH		SA1	B4	READ WORD		COMCRDH	COMCRDH	64	A
COMCRDH		SB4	B4+B1	(OUT+1)		COMCRDH	COMCRDH	65	A
COMCRDH		BX2	-X7*X1	CHECK LAST BYTE		COMCRDH	COMCRDH	66	A
COMCRDH		EQ	B4,B5,RDH4	IF (OUT+1) = LIMIT		COMCRDH	COMCRDH	67	A
COMCRDH		BX6	X1			COMCRDH	COMCRDH	68	A
COMCRDH	RDH3	ZR	X2,RDH5	IF END OF LINE		COMCRDH	COMCRDH	69	A
COMCRDH		EQ	B6,B7,RDH2	IF WORKING BUFFER FILLED		COMCRDH	COMCRDH	70	A
COMCRDH		SA6	B6	STORE WORD		COMCRDH	COMCRDH	71	A
COMCRDH		SB6	B6+B1	ADVANCE WORKING BUFFER		COMCRDH	COMCRDH	72	A
COMCRDH		NE	B6,B7,RDH2	IF WORKING BUFFER NOT FULL		COMCRDH	COMCRDH	73	A
COMCRDH		NZ	X4,RDH2	IF END OF WORKING BUFFER HIT PREVIOUSLY		COMCRDH	COMCRDH	74	A
COMCRDH						COMCRDH	COMCRDH	75	A
0 1 2 3 4 5 6 7 8									
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCRDH

	COMCRDH	*	SAVE LAST WORD THAT WOULD HAVE FIT INTO THE WORKING BUFFER				COMCRDH	COMCRDH	76	A
1	COMCRDH	*	IN X4 AND BACK UP B6 TO ALLOW A PEEK AT THE NEXT WORD.				COMCRDH	COMCRDH	77	A
2	COMCRDH	*	THIS MUST BE DONE IN CASE THE LAST WORD TO FIT IN THE				COMCRDH	COMCRDH	78	A
3	COMCRDH	*	WORKING BUFFER HAS CHARACTER 10 = 00B AND THE NEXT WORD				COMCRDH	COMCRDH	79	A
4	COMCRDH	*	MIGHT BE ALL ZERO CONSTITUTING AN 11 CHARACTER LINE				COMCRDH	COMCRDH	80	A
5	COMCRDH	*	TERMINATOR. IF IT IS AN 11 CHARACTER LINE TERMINATOR THEN				COMCRDH	COMCRDH	81	A
6	COMCRDH	*	THE 00B CHARACTER MUST BE CHANGED TO A BLANK.				COMCRDH	COMCRDH	82	A
7	COMCRDH						COMCRDH	COMCRDH	83	A
8	COMCRDH		BX4	X6	SAVE LAST WORD TO FIT IN BUFFER		COMCRDH	COMCRDH	84	A
9	COMCRDH		SB6	B6-B1	ALLOW PEEK AT NEXT WORD		COMCRDH	COMCRDH	85	A
10	COMCRDH		EQ	RDH2			COMCRDH	COMCRDH	86	A
11	COMCRDH						COMCRDH	COMCRDH	87	A
12	COMCRDH	RDH4	SB4	X3	(OUT+1) = FIRST		COMCRDH	COMCRDH	88	A
13	COMCRDH		BX6	X1			COMCRDH	COMCRDH	89	A
14	COMCRDH		EQ	RDH3			COMCRDH	COMCRDH	90	A
15	COMCRDH						COMCRDH	COMCRDH	91	A
16	COMCRDH	*	SPACE FILL LAST WORD.				COMCRDH	COMCRDH	92	A
17	COMCRDH						COMCRDH	COMCRDH	93	A
18	COMCRDH	RDH5	EQ	B6,B7,RDH8	IF WORKING BUFFER FILLED		COMCRDH	COMCRDH	94	A
19	COMCRDH		ZR	X4,RDH5.1	IF BUFFER NEVER FILLED		COMCRDH	COMCRDH	95	A
20	COMCRDH		SB6	B6+B1			COMCRDH	COMCRDH	96	A
21	COMCRDH		NZ	X6,=XRDH=	IF NO NEED TO CONSIDER FILLING A 00B CHAR		COMCRDH	COMCRDH	97	A
22	COMCRDH	RDH5.1	NZ	X6,RDH5.2	IF NOT FULL ZERO WORD		COMCRDH	COMCRDH	98	A
23	COMCRDH		SA1	RDHC				CPSA148	7	A
24	COMCRDH		SB2	X1				CPSA148	8	A
25	COMCRDH		EQ	B2,B6,RDH5.2	IF NO PREVIOUS WORD IN LINE			CPSA148	9	A
26	COMCRDH		SA1	B6-B1	CHECK LAST CHARACTER OF PREVIOUS WORD	COMCRDH	COMCRDH		99	A
27	COMCRDH		MX7	-6		COMCRDH	COMCRDH		100	A
28	COMCRDH		BX7	-X7*X1		COMCRDH	COMCRDH		101	A
29	COMCRDH		NZ	X7,=XRDH=	IF NOT TRAILING ZERO CHARACTER	COMCRDH	COMCRDH		102	A
30	COMCRDH		SX7	1R	INSERT BLANK CHARACTER	COMCRDH	COMCRDH		103	A
31	COMCRDH		BX6	X7+X1		COMCRDH	COMCRDH		104	A
32	COMCRDH		SA6	A1		COMCRDH	COMCRDH		105	A
33	COMCRDH		EQ	=XRDH=	EXIT	COMCRDH	COMCRDH		106	A
34	COMCRDH					COMCRDH	COMCRDH		107	A
35	COMCRDH	RDH5.2	SA1	RDHA	=40404040404040404040B	COMCRDH	COMCRDH		108	A
36	COMCRDH		SX7	B1		COMCRDH	COMCRDH		109	A
37	COMCRDH		IX7	X6-X7		COMCRDH	COMCRDH		110	A
38	COMCRDH		SB2	60-5		COMCRDH	COMCRDH		111	A
39	COMCRDH		BX4	-X7+X6		COMCRDH	COMCRDH		112	A
40	COMCRDH		BX7	X1*X4		COMCRDH	COMCRDH		113	A
41	COMCRDH		LX4	X7,B2		COMCRDH	COMCRDH		114	A
42	COMCRDH		SA1	A1+B1	=1H	COMCRDH	COMCRDH		115	A
43	COMCRDH		IX2	X7-X4		COMCRDH	COMCRDH		116	A
44	COMCRDH		BX7	X7+X2		COMCRDH	COMCRDH		117	A
45	COMCRDH		BX4	-X7*X1		COMCRDH	COMCRDH		118	A
46	COMCRDH		IX6	X6+X4		COMCRDH	COMCRDH		119	A
47	COMCRDH		SA6	B6		COMCRDH	COMCRDH		120	A
48	COMCRDH		SB6	B6+B1		COMCRDH	COMCRDH		121	A
49	COMCRDH		EQ	=XRDH=	EXIT	COMCRDH	COMCRDH		122	A
50	COMCRDH					COMCRDH	COMCRDH		123	A
51	COMCRDH	*	SPACE FILL REMAINDER OF WORKING BUFFER.				COMCRDH	COMCRDH	124	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCRDO

COMCRDO	IX1	X7-X6		COMCRDO	COMCRDO	53	A
COMCRDO	NZ	X1,RD01	IF OUT .NE. LIMIT	COMCRDO	COMCRDO	54	A
COMCRDO	SA1	X2+B1	READ FIRST	COMCRDO	COMCRDO	55	A
COMCRDO	SX3	X1-1		COMCRDO	COMCRDO	56	A
COMCRDO	EQ	RD01	RETURN	COMCRDO	COMCRDO	57	A
COMCRDO				COMCRDO	COMCRDO	58	A
COMCRDO	*	LOAD CIRCULAR BUFFER.		COMCRDO	COMCRDO	59	A
COMCRDO				COMCRDO	COMCRDO	60	A
COMCRDO	RD03	SA1	X2	COMCRDO	COMCRDO	61	A
COMCRDO		LX1	59-0	COMCRDO	COMCRDO	62	A
COMCRDO		NG	X1,RD05	COMCRDO	COMCRDO	63	A
COMCRDO		RECALL		COMCRDO	COMCRDO	64	A
COMCRDO	RD04	SA1	X2+2	COMCRDO	COMCRDO	65	A
COMCRDO		EQ	RD02	COMCRDO	COMCRDO	66	A
COMCRDO			CONTINUE READ	COMCRDO	COMCRDO	67	A
COMCRDO	RD05	SA4	A3-B1	COMCRDO	COMCRDO	68	A
COMCRDO		IX7	X4-X3	COMCRDO	COMCRDO	69	A
COMCRDO		NZ	X7,RD04	COMCRDO	COMCRDO	70	A
COMCRDO		LX1	-4	COMCRDO	COMCRDO	71	A
COMCRDO		NG	X1,RD06	COMCRDO	COMCRDO	72	A
COMCRDO		LX1	4	COMCRDO	COMCRDO	73	A
COMCRDO		SX6	740770B/2	COMCRDO	COMCRDO	74	A
COMCRDO		BX7	X6*X1	COMCRDO	COMCRDO	75	A
COMCRDO		LX7	1	COMCRDO	COMCRDO	76	A
COMCRDO		RJ	=XCIO=	COMCRDO	COMCRDO	77	A
COMCRDO		EQ	RD04	COMCRDO	COMCRDO	78	A
COMCRDO			CONTINUE READ	COMCRDO	COMCRDO	79	A
COMCRDO	RD06	LX3	X1,B1	COMCRDO	COMCRDO	80	A
COMCRDO		SA1	A1+B1	COMCRDO	COMCRDO	81	A
COMCRDO		SX7	X1	COMCRDO	COMCRDO	82	A
COMCRDO		SA7	A1+B1	COMCRDO	COMCRDO	83	A
COMCRDO		SA7	A7+B1	COMCRDO	COMCRDO	84	A
COMCRDO		SX1	B1	COMCRDO	COMCRDO	85	A
COMCRDO		PL	X3,RDOX	COMCRDO	COMCRDO	86	I
-CPSA104							
COMCRDO		PL	X3,RDO=	CPSA104	CPSA104	26	A
COMCRDO		LX3	3-9	COMCRDO	COMCRDO	87	A
COMCRDO		SX1	-B1	COMCRDO	COMCRDO	88	A
COMCRDO		PL	X3,RDOX	COMCRDO	COMCRDO	89	I
-CPSA104							
COMCRDO		PL	X3,RDO=	CPSA104	CPSA104	27	A
COMCRDO		SX1	-2	COMCRDO	COMCRDO	90	A
COMCRDO		EQ	RDOX	COMCRDO	COMCRDO	91	I
-CPSA104							
COMCRDO		EQ	RDO=	CPSA104	CPSA104	28	A
COMCRDO	RDO	SPACE	4,10	COMCRDO	COMCRDO	92	A
COMCRDO		BASE	*	COMCRDO	COMCRDO	93	A
COMCRDO	QUAL\$	IF	-DEF,QUAL\$	COMCRDO	COMCRDO	94	A
COMCRDO		QUAL	*	COMCRDO	COMCRDO	95	A
COMCRDO	RDO=	EQU	/COMCRDO/RDO=	COMCRDO	COMCRDO	96	A
COMCRDO	QUAL\$	ENDIF		COMCRDO	COMCRDO	97	A
COMCRDO	RDO	ENDX		COMCRDO	COMCRDO	98	A

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ACTIVE

[illegible]

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCRDS

	COMCRDS	*	NOT BE SPACE FILLED.				COMCRDS	COMCRDS	35	A	
1	COMCRDS	*					COMCRDS	COMCRDS	36	A	1
2	COMCRDS	*	EXIT	(X1)	= 0	FOR TRANSFER COMPLETE.	COMCRDS	COMCRDS	37	A	2
3	COMCRDS	*	(X1) = -1 IF EOF DETECTED ON FILE.				COMCRDS	COMCRDS	38	A	3
4	COMCRDS	*	(X1) = -2 IF EOI DETECTED ON FILE.				COMCRDS	COMCRDS	39	A	4
5	COMCRDS	*	(X1) = (B6) IF EOR WAS DETECTED ON FILE BEFORE				COMCRDS	COMCRDS	40	A	5
6	COMCRDS	*	TRANSFER WAS COMPLETED.				COMCRDS	COMCRDS	41	A	6
7	COMCRDS	*	(B6) = ADDRESS PLUS ONE OF LAST CHARACTER FROM CODED				COMCRDS	COMCRDS	42	A	7
8	COMCRDS	*	LINE IN WORKING BUFFER.				COMCRDS	COMCRDS	43	A	8
9	COMCRDS	*	(X2) = ADDRESS OF FET FOR FILE.				COMCRDS	COMCRDS	44	A	9
10	COMCRDS	*	(X7) = LEVEL NUMBER ON EOR.				COMCRDS	COMCRDS	45	A	10
11	COMCRDS	*	(B1) = 1.				COMCRDS	COMCRDS	46	A	11
12	COMCRDS	*					COMCRDS	COMCRDS	47	A	12
13	COMCRDS	*	USES	X	- 1, 2, 3, 4, 6, 7.		COMCRDS	COMCRDS	48	A	13
14	COMCRDS	*	B - 1, 2, 3, 4, 5, 6, 7.				COMCRDS	COMCRDS	49	A	14
15	COMCRDS	*	A - 1, 2, 3, 4, 6, 7.				COMCRDS	COMCRDS	50	A	15
16	COMCRDS	*					COMCRDS	COMCRDS	51	A	16
17	COMCRDS	*	CALLS	LCB=,	RDX=.		COMCRDS	COMCRDS	52	A	17
18	COMCRDS						COMCRDS	COMCRDS	53	A	18
19	COMCRDS						COMCRDS	COMCRDS	54	A	19
20	COMCRDS	+	EQ	RDS1	ENTRY FROM LCB= ON A CONTINUATION READ		COMCRDS	COMCRDS	55	A	20
21	COMCRDS						COMCRDS	COMCRDS	56	A	21
22	COMCRDS	*	SPACE FILL REMAINDER OF BUFFER.				COMCRDS	COMCRDS	57	A	22
23	COMCRDS						COMCRDS	COMCRDS	58	A	23
24	COMCRDS	RDS12	EQ	B6,B7,RDSX	IF WORKING BUFFER FULL, RETURN		COMCRDS	COMCRDS	59	I	24
25	-CPSA104										25
26	COMCRDS	RDS12	EQ	B6,B7,RDS=	IF WORKING BUFFER FULL, RETURN		CPSA104	CPSA104	29	A	26
27	COMCRDS		SB5	X7	(B5) = LEVEL NUMBER		COMCRDS	COMCRDS	60	A	27
28	COMCRDS		SX6	1R	* *		COMCRDS	COMCRDS	61	A	28
29	COMCRDS		SX4	B7-B6	(X4) = COUNT OF WORDS REMAINING IN BUFFER		COMCRDS	COMCRDS	62	A	29
30	COMCRDS		SB4	-B1	(B4) = -1		COMCRDS	COMCRDS	63	A	30
31	COMCRDS		SA6	B6	INITIALIZE (A6)		COMCRDS	COMCRDS	64	A	31
32	COMCRDS		SB2	X4			COMCRDS	COMCRDS	65	A	32
33	COMCRDS		EQ	B2,B1,RDSX	IF ONLY 1 WORD REMAINING, RETURN		COMCRDS	COMCRDS	66	I	33
34	-CPSA104										34
35	COMCRDS		EQ	B2,B1,RDS=	IF ONLY 1 WORD REMAINING, RETURN		CPSA104	CPSA104	30	A	35
36	COMCRDS		BX7	X6	(X7) = * *		COMCRDS	COMCRDS	67	A	36
37	COMCRDS		LX4	-1	WORD COUNT/2		COMCRDS	COMCRDS	68	A	37
38	COMCRDS		MI	X4,RDS13	IF WORD COUNT IS ODD		COMCRDS	COMCRDS	69	A	38
39	COMCRDS		SA6	A6+B1	STORE NEXT WORD		COMCRDS	COMCRDS	70	A	39
40	COMCRDS		SX4	X4+B4	DECREMENT LOOP COUNT		COMCRDS	COMCRDS	71	A	40
41	COMCRDS		ZR	X4,RDS14	IF WORD COUNT = 2		COMCRDS	COMCRDS	72	A	41
42	COMCRDS	RDS13	SX4	X4+B4	DECREMENT LOOP COUNT		COMCRDS	COMCRDS	73	A	42
43	COMCRDS		SA7	A6+1			COMCRDS	COMCRDS	74	A	43
44	COMCRDS		SA6	A7+B1			COMCRDS	COMCRDS	75	A	44
45	COMCRDS		NZ	X4,RDS13	LOOP TO END OF BUFFER		COMCRDS	COMCRDS	76	A	45
46	COMCRDS	RDS14	SX7	B5	RESTORE LEVEL NUMBER		COMCRDS	COMCRDS	77	A	46
47	COMCRDS		EQ	RDSX	RETURN		COMCRDS	COMCRDS	78	I	47
48	-CPSA104										48
49	COMCRDS		EQ	RDS=	RETURN		CPSA104	CPSA104	31	A	49
50	COMCRDS						COMCRDS	COMCRDS	79	A	50
51	COMCRDS	+	EQ	RDS1	ENTRY FROM LCB= ON A CONTINUATION READ		COMCRDS	COMCRDS	80	A	51
52											52
53		0	1	2	3	4	5	6	7	8	53
54		1234567890123456789012345678901234567890123456789012345678901234567890									54

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCRDS

COMCRDS					COMCRDS	COMCRDS	81	A
COMCRDS	RDS=	SUBR		ENTRY/EXIT	COMCRDS	COMCRDS	82	A
COMCRDS		SA4	RDS12	SET RETURN ADDRESS	COMCRDS	COMCRDS	83	A
COMCRDS					COMCRDS	COMCRDS	84	A
COMCRDS		IF	-DEF,B1=1,1		COMCRDS	COMCRDS	85	A
COMCRDS		SB1	1		COMCRDS	COMCRDS	86	A
COMCRDS					COMCRDS	COMCRDS	87	A
COMCRDS		SA1	X2+4	(B5) = LIMIT	COMCRDS	COMCRDS	88	A
COMCRDS		PL	B7,RDS0	IF BUFFER TO BE SPACE FILLED	COMCRDS	COMCRDS	89	A
COMCRDS		SA4	RDSX	SKIP SPACE FILLING THE BUFFER	COMCRDS	COMCRDS	90	I
	-CPSA104							
COMCRDS		SA4	RDS=	SKIP SPACE FILLING THE BUFFER	CPSA104	CPSA104	32	A
COMCRDS		SB7	-B7		COMCRDS	COMCRDS	91	A
COMCRDS	RDS0	SA3	X2+B1	(X3) = FIRST, (A3) = ADDRESS OF FIRST	COMCRDS	COMCRDS	92	A
COMCRDS		SB7	B6+B7	(B7) = LWA+1	COMCRDS	COMCRDS	93	A
COMCRDS		SX4	B6	(X4) = FWA WORKING STORAGE	COMCRDS	COMCRDS	94	A
COMCRDS		SB5	X1		COMCRDS	COMCRDS	95	A
COMCRDS					COMCRDS	COMCRDS	96	A
COMCRDS	*			INITIALIZE REGISTERS FOR TRANSFER.	COMCRDS	COMCRDS	97	A
COMCRDS					COMCRDS	COMCRDS	98	A
COMCRDS	RDS1	SA1	A3+B1	IN	COMCRDS	COMCRDS	99	A
COMCRDS		SA2	A1+B1	(B4) = OUT	COMCRDS	COMCRDS	100	A
COMCRDS		SB4	X2		COMCRDS	COMCRDS	101	A
COMCRDS		IX6	X1-X2	IN - OUT	COMCRDS	COMCRDS	102	A
COMCRDS		SX1	B5	LIMIT	COMCRDS	COMCRDS	103	A
COMCRDS		PL	X6,RDS2	IF IN .GE. OUT	COMCRDS	COMCRDS	104	A
COMCRDS		IX6	X1-X2	LIMIT - OUT	COMCRDS	COMCRDS	105	A
COMCRDS	RDS2	ZR	X6,=XLCB=	IF NO FREE BUFFER SPACE	COMCRDS	COMCRDS	106	A
COMCRDS		MX2	-6	(X2) = CHARACTER MASK	COMCRDS	COMCRDS	107	A
COMCRDS		SB3	X6	(B3) = FREE BUFFER SPACE	COMCRDS	COMCRDS	108	A
COMCRDS					COMCRDS	COMCRDS	109	A
COMCRDS					COMCRDS	COMCRDS	110	A
COMCRDS	RDS3	NE	B4,B5,RDS4	IF OUT .NE. LIMIT	COMCRDS	COMCRDS	111	A
COMCRDS		SA1	A3		COMCRDS	COMCRDS	112	A
COMCRDS		SB4	X1	OUT = FIRST	COMCRDS	COMCRDS	113	A
COMCRDS	RDS4	SX6	B4	RESET OUT	COMCRDS	COMCRDS	114	A
COMCRDS		SA6	A2		COMCRDS	COMCRDS	115	A
COMCRDS		ZR	B3,RDS1	IF FREE BUFFER SPACE EXHAUSTED	COMCRDS	COMCRDS	116	A
COMCRDS					COMCRDS	COMCRDS	117	A
COMCRDS	*			READ WORD FROM BUFFER.	COMCRDS	COMCRDS	118	A
COMCRDS					COMCRDS	COMCRDS	119	A
COMCRDS		SA1	B4		COMCRDS	COMCRDS	120	A
COMCRDS		SB4	B4+B1		COMCRDS	COMCRDS	121	A
COMCRDS		EQ	B7,B6,RDS10	IF MAXIMUM CHARACTERS PROCESSED	COMCRDS	COMCRDS	122	A
COMCRDS		SB2	B0+	INITIALIZE CHARACTER COUNT	COMCRDS	COMCRDS	123	A
COMCRDS		NG	X1,RDS5	IF POSSIBLY 10 SEMI-COLONS	COMCRDS	COMCRDS	124	A
COMCRDS		ZR	X1,RDS8	IF ZERO WORD SKIP UNPACKING	COMCRDS	COMCRDS	125	A
COMCRDS					COMCRDS	COMCRDS	126	A
COMCRDS	*			UNPACK WORD TO WORKING BUFFER.	COMCRDS	COMCRDS	127	A
COMCRDS					COMCRDS	COMCRDS	128	A
COMCRDS	RDS5	LX1	6		COMCRDS	COMCRDS	129	A
COMCRDS		SB2	B2+B1	BUMP CHARACTER COUNT	COMCRDS	COMCRDS	130	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCRDS

COMCRDS		BX6	-X2*X1	PICK UP CHARACTER	COMCRDS	COMCRDS	131	A
COMCRDS		BX1	X2*X1	ERASE CHARACTER	COMCRDS	COMCRDS	132	A
COMCRDS	RDS6	SA6	B6		COMCRDS	COMCRDS	133	A
COMCRDS		SB6	B6+B1		COMCRDS	COMCRDS	134	A
COMCRDS		EQ	B6,B7,RDS10	IF MAXIMUM CHARACTERS PROCESSED	COMCRDS	COMCRDS	135	A
COMCRDS		NZ	X1,RDS5	IF MORE CHARACTERS THIS WORD	COMCRDS	COMCRDS	136	A
COMCRDS		SX6	B2-9		COMCRDS	COMCRDS	137	A
COMCRDS		SB2	B0	RESET CHARACTER COUNT	COMCRDS	COMCRDS	138	A
COMCRDS		SB3	B3-B1	DECREMENT FREE BUFFER SPACE	COMCRDS	COMCRDS	139	A
COMCRDS		NG	X6,RDS10	IF END OF LINE	COMCRDS	COMCRDS	140	A
COMCRDS		ZR	B3,RDS7	IF FREE BUFFER SPACE EXHAUSTED	COMCRDS	COMCRDS	141	A
COMCRDS		SA1	B4	GET NEXT WORD TO BE UNPACKED	COMCRDS	COMCRDS	142	A
COMCRDS		SB4	B4+B1		COMCRDS	COMCRDS	143	A
COMCRDS		NG	X1,RDS6.1	IF POSSIBLY 10 SEMI-COLONS	COMCRDS	COMCRDS	144	A
COMCRDS		ZR	X1,RDS10	IF ZERO WORD, END OF LINE	COMCRDS	COMCRDS	145	A
COMCRDS	RDS6.1	NZ	X6,RDS5	IF WORD COMPLETELY PROCESSED	COMCRDS	COMCRDS	146	A
COMCRDS		EQ	RDS6	PROCESS LAST CHARACTER	COMCRDS	COMCRDS	147	A
COMCRDS					COMCRDS	COMCRDS	148	A
COMCRDS	RDS7	NZ	X6,RDS3	IF LAST CHARACTER PROCESSED	COMCRDS	COMCRDS	149	A
COMCRDS		SA6	B6	PROCESS LAST CHARACTER	COMCRDS	COMCRDS	150	A
COMCRDS		SB6	B6+B1		COMCRDS	COMCRDS	151	A
COMCRDS		EQ	RDS3		COMCRDS	COMCRDS	152	A
COMCRDS					COMCRDS	COMCRDS	153	A
COMCRDS	RDS8	SB2	X4		COMCRDS	COMCRDS	154	A
COMCRDS		NE	B6,B2,RDS9	IF AT LEAST 1 CHARACTER IN WORKING BUFFER	COMCRDS	COMCRDS	155	A
COMCRDS		SX6	1R	ASSURE 1 BLANK IN STRING BUFFER	COMCRDS	COMCRDS	156	A
COMCRDS		SB6	B2+B1		COMCRDS	COMCRDS	157	A
COMCRDS		SA6	B2		COMCRDS	COMCRDS	158	A
COMCRDS	RDS9	SA1	B6-B1	CHECK LAST CHARACTER IN BUFFER	COMCRDS	COMCRDS	159	A
COMCRDS		NZ	X1,RDS10	IF NOT BEGINNING OF END OF LINE	COMCRDS	COMCRDS	160	A
COMCRDS		SB6	B6-1	ERASE CHARACTER	COMCRDS	COMCRDS	161	A
COMCRDS					COMCRDS	COMCRDS	162	A
COMCRDS	*			SEARCH FOR END OF LINE.	COMCRDS	COMCRDS	163	A
COMCRDS					COMCRDS	COMCRDS	164	A
COMCRDS	RDS10	SA1	B4-1	READ LAST WORD PROCESSED	COMCRDS	COMCRDS	165	A
COMCRDS		MX7	-12		COMCRDS	COMCRDS	166	A
COMCRDS		BX7	-X7*X1	CHECK FOR END OF LINE	COMCRDS	COMCRDS	167	A
COMCRDS		SB3	B3-1	DECREMENT FREE BUFFER SPACE	COMCRDS	COMCRDS	168	A
COMCRDS		NZ	X7,RDS3	IF END OF LINE NOT FOUND	COMCRDS	COMCRDS	169	A
COMCRDS		NE	B4,B5,RDS11	IF OUT .NE. LIMIT	COMCRDS	COMCRDS	170	A
COMCRDS		SB4	X3+	OUT = FIRST	COMCRDS	COMCRDS	171	A
COMCRDS	RDS11	SA1	A3+B1	RESET IN	COMCRDS	COMCRDS	172	A
COMCRDS		SB2	X4	FWA WORKING BUFFER	COMCRDS	COMCRDS	173	A
COMCRDS		SB3	X1+	(B3) = IN	COMCRDS	COMCRDS	174	A
COMCRDS		GE	B6,B2,=XRD=		COMCRDS	COMCRDS	175	A
COMCRDS		SB6	B2+		COMCRDS	COMCRDS	176	A
COMCRDS		EQ	=XRD=	EXIT	COMCRDS	COMCRDS	177	A
COMCRDS	RDS	SPACE	4,10		COMCRDS	COMCRDS	178	A
COMCRDS		BASE	*		COMCRDS	COMCRDS	179	A
COMCRDS	QUAL\$	IF	-DEF,QUAL\$		COMCRDS	COMCRDS	180	A
COMCRDS		QUAL	*		COMCRDS	COMCRDS	181	A
COMCRDS	RDS=	EQU	/COMCRDS/RDS=		COMCRDS	COMCRDS	182	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCRDS

COMCRDS	QUAL\$	ENDIF	COMCRDS	COMCRDS	183	A
COMCRDS	RDS	ENDX	COMCRDS	COMCRDS	184	A

## SUMMARY OF UPDATE IDENTIFIERS WITHIN DECK - COMCRDS

IDENTIFIER	TOTAL	ACTIVE
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COMCRDS	184	180
CPSA104	4	4
CPSA245	9	9

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCRDW

COMCRDW	*COMDECK	COMCRDW	READ WORDS TO WORKING BUFFER.	COMCRDW	COMCRDW	1	A
COMCRDW	RDW	CTEXT	COMCRDW - READ WORDS TO WORKING BUFFER.	COMCRDW	COMCRDW	2	A
COMCRDW	RDW	SPACE	4,10	COMCRDW	COMCRDW	3	A
COMCRDW		IF	-DEF,QUAL\$,1	COMCRDW	COMCRDW	4	A
COMCRDW		QUAL	COMCRDW	COMCRDW	COMCRDW	5	A
COMCRDW		BASE	D	COMCRDW	COMCRDW	6	A
COMCRDW	*	COMMENT	COPYRIGHT CONTROL DATA CORP. 1970, 1978.	COMCRDW	COMCRDW	7	A
COMCRDW	RDW	SPACE	4,10	COMCRDW	COMCRDW	8	A
COMCRDW	***	RDW	- READ WORDS TO WORKING BUFFER.	COMCRDW	COMCRDW	9	A
COMCRDW	*			COMCRDW	COMCRDW	10	A
COMCRDW	*	D. A. CAHLANDER.	70/11/29.	COMCRDW	COMCRDW	11	A
COMCRDW	*	R. E. TATE.	73/11/04.	COMCRDW	COMCRDW	12	A
COMCRDW	*	R. R. RAGAN.	77/07/21.	COMCRDW	COMCRDW	13	A
COMCRDW	*	C. J. CONRAD.	81/08/06.		CPSA242	10	A
COMCRDW	*				CPSA242	11	A
COMCRDW	*	*****			CPSA242	12	A
COMCRDW	*	* THIS COMMON DECK IS PART OF THE COMMON COMMON DECKS *			CPSA242	13	A
COMCRDW	*	* RESIDING ON THE COMPASS PROGRAM LIBRARY, AND BEING *			CPSA242	14	A
COMCRDW	*	* MAINTAINED BY THE COMPASS PROJECT. ANY CHANGES *			CPSA242	15	A
COMCRDW	*	* REQUIRED SHOULD BE DIRECTED TO THE COMPASS PROJECT *			CPSA242	16	A
COMCRDW	*	* THROUGH THE PROPER PROCEDURE. *			CPSA242	17	A
COMCRDW	*	*****			CPSA242	18	A
COMCRDW	*				CPSA242	19	A
COMCRDW	*			COMCRDW	COMCRDW	14	A
COMCRDW	*	RDW READS A GIVEN NUMBER OF WORDS FROM A CIO BUFFER		COMCRDW	COMCRDW	15	A
COMCRDW	*	TO A WORKING STORAGE AREA. IT ALSO CONTAINS THE LOAD CIO		COMCRDW	COMCRDW	16	A
COMCRDW	*	BUFFER AND READ EXIT ROUTINES REQUIRED BY RDC,RDH, AND RDS.		COMCRDW	COMCRDW	17	A
COMCRDW	RDW	SPACE	4,10	COMCRDW	COMCRDW	18	A
COMCRDW	***	RDW READS A GIVEN NUMBER OF WORDS FROM A CIO BUFFER TO		COMCRDW	COMCRDW	19	A
COMCRDW	*	A WORKING BUFFER. THIS DECK ALSO CONTAINS LCB=, RDX=.		COMCRDW	COMCRDW	20	A
COMCRDW	*			COMCRDW	COMCRDW	21	A
COMCRDW	*	THE THRESHOLD CONDITION TO ISSUE READ FUNCTIONS			CPSA242	20	A
COMCRDW	*	IS BUFFER HALF EMPTY FOR BUFFERS LARGER			CPSA242	21	A
COMCRDW	*	THAN 511 DECIMAL WORDS, AND BUFFER TOTALLY			CPSA242	22	A
COMCRDW	*	EMPTY FOR SMALLER BUFFERS. IF THE SYMBOL			CPSA242	23	A
COMCRDW	*	RDX\$ IS DEFINED, THEN THE THRESHOLD IS			CPSA242	24	A
COMCRDW	*	BUFFER EMPTY FOR ALL BUFFER SIZES.			CPSA242	25	A
COMCRDW	*				CPSA242	26	A
COMCRDW	*	ENTRY (X2) = ADDRESS OF FET FOR FILE.		COMCRDW	COMCRDW	22	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCRDW

COMCRDW	*	(B6) = FWA WORKING BUFFER.	COMCRDW	COMCRDW	23	A
COMCRDW	*	(B7) = WORD COUNT OF WORKING BUFFER.	COMCRDW	COMCRDW	24	A
COMCRDW	*		COMCRDW	COMCRDW	25	A
COMCRDW	*	EXIT (X1) = 0 FOR TRANSFER COMPLETE.	COMCRDW	COMCRDW	26	A
COMCRDW	*	(X1) = -1 IF EOF DETECTED ON FILE.	COMCRDW	COMCRDW	27	A
COMCRDW	*	(X1) = -2 IF EOI DETECTED ON FILE.	COMCRDW	COMCRDW	28	A
COMCRDW	*	(X1) = -3 IF *CIO=* WAS CALLED TO READ MORE DATA AND	COMCRDW	COMCRDW	29	A
COMCRDW	*	RETURNED AN ERROR STATUS.	COMCRDW	COMCRDW	30	A
COMCRDW	*	(X1) = (B6) IF EOR WAS DETECTED ON FILE BEFORE	COMCRDW	COMCRDW	31	A
COMCRDW	*	TRANSFER WAS COMPLETED.	COMCRDW	COMCRDW	32	A
COMCRDW	*	(B6) = ADDRESS PLUS ONE OF LAST WORD TRANSFERRED TO	COMCRDW	COMCRDW	33	A
COMCRDW	*	WORKING BUFFER.	COMCRDW	COMCRDW	34	A
COMCRDW	*	(B7) = WORD COUNT REMAINING TO BE TRANSFERRED.	COMCRDW	COMCRDW	35	A
COMCRDW	*	(X2) = ADDRESS OF FET FOR FILE.	COMCRDW	COMCRDW	36	A
COMCRDW	*	(X7) = ERROR STATUS IF (X1) = -3.	COMCRDW	COMCRDW	37	A
COMCRDW	*	(X7) = LEVEL NUMBER ON EOR.	COMCRDW	COMCRDW	38	A
COMCRDW	*	(B1) = 1.	COMCRDW	COMCRDW	39	A
COMCRDW	*		COMCRDW	COMCRDW	40	A
COMCRDW	*	USES X - 1, 2, 3, 4, 6, 7.	COMCRDW	COMCRDW	41	A
COMCRDW	*	B - 1, 2, 3, 4, 5, 6, 7.	COMCRDW	COMCRDW	42	A
COMCRDW	*	A - 1, 2, 3, 4, 6, 7.	COMCRDW	COMCRDW	43	A
COMCRDW	*		COMCRDW	COMCRDW	44	A
COMCRDW	*	CALLS CIO=.	COMCRDW	COMCRDW	45	A
COMCRDW			COMCRDW	COMCRDW	46	A
COMCRDW			COMCRDW	COMCRDW	47	A
COMCRDW	*	PROCESS 1 WORD OR BUFFER EMPTY.	COMCRDW	COMCRDW	48	A
COMCRDW			COMCRDW	COMCRDW	49	A
COMCRDW	RDW18	ZR B3,RDW11 IF NO DATA	COMCRDW	COMCRDW	50	A
COMCRDW		BX7 X1 STORE 1 WORD	COMCRDW	COMCRDW	51	A
COMCRDW		SA7 B6	COMCRDW	COMCRDW	52	A
COMCRDW	RDW19	SX6 B4+B3 ADVANCE OUT	COMCRDW	COMCRDW	53	A
COMCRDW		SB4 B4+B3	COMCRDW	COMCRDW	54	A
COMCRDW		SB6 B6+B3	COMCRDW	COMCRDW	55	A
COMCRDW		SB7 B7-B3	COMCRDW	COMCRDW	56	A
COMCRDW		NE B4,B5,RDW20 IF OUT .NE. LIMIT	COMCRDW	COMCRDW	57	A
COMCRDW		SA1 X2+B1 READ FIRST	COMCRDW	COMCRDW	58	A
COMCRDW		SX6 X1 OUT = FIRST	COMCRDW	COMCRDW	59	A
COMCRDW	RDW20	SA6 A3 UPDATE OUT	COMCRDW	COMCRDW	60	A
COMCRDW	RDW21	BSS 0		CPSA187	5	A
COMCRDW		BX1 X1-X1 RESPONSE = 0	COMCRDW	COMCRDW	61	A
COMCRDW		NZ B7,RDW1 IF NOT END OF TRANSFER	COMCRDW	COMCRDW	62	A
COMCRDW			COMCRDW	COMCRDW	63	A
COMCRDW	RDW=	SUBR ENTRY/EXIT	COMCRDW	COMCRDW	64	A
COMCRDW		ZR B7,RDW21 IF ZERO WORD COUNT, SET COMPLETE AND EXIT.		CPSA187	6	A
COMCRDW	RDW1	SA3 X2+3 (B4) = OUT	COMCRDW	COMCRDW	65	A
COMCRDW		SA1 X2+2 (B3) = IN	COMCRDW	COMCRDW	66	A
COMCRDW		IF -DEF,B1=1,1	COMCRDW	COMCRDW	67	A
COMCRDW		SB1 1	COMCRDW	COMCRDW	68	A
COMCRDW		SA4 A3+B1 (B5) = LIMIT	COMCRDW	COMCRDW	69	A
COMCRDW		SB4 X3	COMCRDW	COMCRDW	70	A
COMCRDW		SB3 X1	COMCRDW	COMCRDW	71	A
COMCRDW		SA1 X3 READ FIRST WORD	COMCRDW	COMCRDW	72	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCRDW

	COMCRDW		SB5	X4		COMCRDW	COMCRDW	73	A	
1	COMCRDW		GE	B3,B4,RDW2	IF NO END AROUND	COMCRDW	COMCRDW	74	A	1
2	COMCRDW		SB3	B5		COMCRDW	COMCRDW	75	A	2
3	COMCRDW	RDW2	SB3	B3-B4	FREE DATA LENGTH	COMCRDW	COMCRDW	76	A	3
4	COMCRDW		LE	B3,B7,RDW3	IF NOT ENOUGH ROOM	COMCRDW	COMCRDW	77	A	4
5	COMCRDW		SB3	B7		COMCRDW	COMCRDW	78	A	5
6	COMCRDW	RDWA	BSS	0		COMCRDW	COMCRDW	79	A	6
7	COMCRDW	RDW3	SA3	RDWB	PRESET CMU CODE	COMCRDW	COMCRDW	80	A	7
8	COMCRDW		RJ	RDW16	PRESET CMU CODE	COMCRDW	COMCRDW	81	A	8
9	COMCRDW	*	LE	B3,B1,RDW18	IF 1 WORD OR LESS OF DATA (NO CMU)	COMCRDW	COMCRDW	82	A	9
10	COMCRDW	*	BX7	X1	(NO CMU)	COMCRDW	COMCRDW	83	A	10
11	COMCRDW	*	SA1	A1+B1	(NO CMU)	COMCRDW	COMCRDW	84	A	11
12	COMCRDW	*				COMCRDW	COMCRDW	85	A	12
13	COMCRDW	*	LE	B3,B1,RDW18	IF 1 WORD OR LESS OF DATA (CMU)	COMCRDW	COMCRDW	86	A	13
14	COMCRDW	*	EQ	RDW14	(CMU)	COMCRDW	COMCRDW	87	A	14
15	COMCRDW					COMCRDW	COMCRDW	88	A	15
16	COMCRDW	*			INITIALIZE REGISTERS FOR TRANSFER.	COMCRDW	COMCRDW	89	A	16
17	COMCRDW					COMCRDW	COMCRDW	90	A	17
18	COMCRDW	RDW4	SX4	B3-B1		COMCRDW	COMCRDW	91	A	18
19	COMCRDW		MX6	-3		COMCRDW	COMCRDW	92	A	19
20	COMCRDW		SA7	B6		COMCRDW	COMCRDW	93	A	20
21	COMCRDW		BX3	-X6*X4	NUMBER OF ODD WORDS	COMCRDW	COMCRDW	94	A	21
22	COMCRDW		AX4	3	NUMBER OF BLOCKS	COMCRDW	COMCRDW	95	A	22
23	COMCRDW					COMCRDW	COMCRDW	96	A	23
24	COMCRDW	*			TRANSFER UP TO 7 WORDS.	COMCRDW	COMCRDW	97	A	24
25	COMCRDW					COMCRDW	COMCRDW	98	A	25
26	COMCRDW		ZR	X3,RDW6	IF NO ODD WORDS	COMCRDW	COMCRDW	99	A	26
27	COMCRDW		SB2	X3		COMCRDW	COMCRDW	100	A	27
28	COMCRDW	RDW5	SB2	B2-B1		COMCRDW	COMCRDW	101	A	28
29	COMCRDW		BX7	X1		COMCRDW	COMCRDW	102	A	29
30	COMCRDW		SA1	A1+B1		COMCRDW	COMCRDW	103	A	30
31	COMCRDW		SA7	A7+B1		COMCRDW	COMCRDW	104	A	31
32	COMCRDW		NZ	B2,RDW5	IF MORE WORDS	COMCRDW	COMCRDW	105	A	32
33	COMCRDW					COMCRDW	COMCRDW	106	A	33
34	COMCRDW	*			PRE-READ REGISTERS.	COMCRDW	COMCRDW	107	A	34
35	COMCRDW					COMCRDW	COMCRDW	108	A	35
36	COMCRDW	RDW6	ZR	X4,RDW19	IF NO BLOCKS	COMCRDW	COMCRDW	109	A	36
37	COMCRDW		SB5	X2		COMCRDW	COMCRDW	110	A	37
38	COMCRDW		SA2	A1+B1		COMCRDW	COMCRDW	111	A	38
39	COMCRDW		SB2	B1+B1	(B2) = 2	COMCRDW	COMCRDW	112	A	39
40	COMCRDW		SA3	A2+B1		COMCRDW	COMCRDW	113	A	40
41	COMCRDW		SB4	X4	(B4) = LOOP COUNT	COMCRDW	COMCRDW	114	A	41
42	COMCRDW		SA4	A3+B1		COMCRDW	COMCRDW	115	A	42
43	COMCRDW					COMCRDW	COMCRDW	116	A	43
44	COMCRDW	*			TRANSFER 8 WORD BLOCKS.	COMCRDW	COMCRDW	117	A	44
45	COMCRDW					COMCRDW	COMCRDW	118	A	45
46	COMCRDW	RDW7	BX6	X1		COMCRDW	COMCRDW	119	A	46
47	COMCRDW		LX7	X2		COMCRDW	COMCRDW	120	A	47
48	COMCRDW		SA1	A3+B2		COMCRDW	COMCRDW	121	A	48
49	COMCRDW		SA2	A4+B2		COMCRDW	COMCRDW	122	A	49
50	COMCRDW		SA6	A7+B1		COMCRDW	COMCRDW	123	A	50
51	COMCRDW		SB4	B4-B1		COMCRDW	COMCRDW	124	A	51

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCRDW

COMCRDW	SA7	A6+B1		COMCRDW	COMCRDW	125	A
COMCRDW	BX6	X3		COMCRDW	COMCRDW	126	A
COMCRDW	LX7	X4		COMCRDW	COMCRDW	127	A
COMCRDW	SA3	A1+B2		COMCRDW	COMCRDW	128	A
COMCRDW	SA4	A2+B2		COMCRDW	COMCRDW	129	A
COMCRDW	SA6	A6+B2		COMCRDW	COMCRDW	130	A
COMCRDW	SA7	A7+B2		COMCRDW	COMCRDW	131	A
COMCRDW	BX6	X1		COMCRDW	COMCRDW	132	A
COMCRDW	LX7	X2		COMCRDW	COMCRDW	133	A
COMCRDW	SA1	A3+B2		COMCRDW	COMCRDW	134	A
COMCRDW	SA2	A4+B2		COMCRDW	COMCRDW	135	A
COMCRDW	SA6	A6+B2		COMCRDW	COMCRDW	136	A
COMCRDW	SA7	A7+B2		COMCRDW	COMCRDW	137	A
COMCRDW	BX6	X3		COMCRDW	COMCRDW	138	A
COMCRDW	LX7	X4		COMCRDW	COMCRDW	139	A
COMCRDW	SA3	A1+B2		COMCRDW	COMCRDW	140	A
COMCRDW	SA4	A2+B2		COMCRDW	COMCRDW	141	A
COMCRDW	SA6	A6+B2		COMCRDW	COMCRDW	142	A
COMCRDW	SA7	A7+B2		COMCRDW	COMCRDW	143	A
COMCRDW	NZ	B4,RDW7	LOOP	COMCRDW	COMCRDW	144	A
COMCRDW				COMCRDW	COMCRDW	145	A
COMCRDW	*	READ EXIT.		COMCRDW	COMCRDW	146	A
COMCRDW				COMCRDW	COMCRDW	147	A
COMCRDW	SX2	B5	RESET FET ADDRESS	COMCRDW	COMCRDW	148	A
COMCRDW	SA3	B5+3	OUT	COMCRDW	COMCRDW	149	A
COMCRDW	SA1	A3+B1	(B5) = LIMIT	COMCRDW	COMCRDW	150	A
COMCRDW	SB5	X1		COMCRDW	COMCRDW	151	A
COMCRDW	RDW8	SA4	X2	COMCRDW	COMCRDW	152	A
COMCRDW	SB6	B6+B3		COMCRDW	COMCRDW	153	A
COMCRDW	SB7	B7-B3		COMCRDW	COMCRDW	154	A
COMCRDW	SB4	X3+B3	ADVANCE OUT	COMCRDW	COMCRDW	155	A
COMCRDW	SX6	X3+B3		COMCRDW	COMCRDW	156	A
COMCRDW	LX4	59-0		COMCRDW	COMCRDW	157	A
COMCRDW	SA1	X2+1	READ FIRST	COMCRDW	COMCRDW	158	A
COMCRDW	NE	B4,B5,RDW9	IF OUT .NE. LIMIT	COMCRDW	COMCRDW	159	A
COMCRDW	SX6	X1+	OUT = FIRST	COMCRDW	COMCRDW	160	A
COMCRDW	RDW\$	IF	DEF,RDX\$		CPSA242	27	A
COMCRDW	RDW9	EQ	RDW20		CPSA242	28	A
COMCRDW	RDW\$	ELSE	CLEAN UP AND RETURN		CPSA242	29	A
COMCRDW				COMCRDW	COMCRDW	161	A
COMCRDW	*	TRY TO BUFFER AHEAD.		COMCRDW	COMCRDW	162	A
COMCRDW				COMCRDW	COMCRDW	163	A
COMCRDW	RDW9	PL	X4,RDW20	COMCRDW	COMCRDW	164	A
COMCRDW	LX4	59-4-59-0		COMCRDW	COMCRDW	165	A
COMCRDW	NG	X4,RDW20	IF EOR/EOF SET	COMCRDW	COMCRDW	166	A
COMCRDW	SA4	X2+2	READ IN	COMCRDW	COMCRDW	167	A
COMCRDW	SB2	X1	(LIMIT - FIRST)	COMCRDW	COMCRDW	168	A
COMCRDW	SX1	B5-B2		COMCRDW	COMCRDW	169	A
COMCRDW	IX7	X4-X6	(IN-OUT)	COMCRDW	COMCRDW	170	A
COMCRDW	LX3	X7,B1	2*(IN-OUT)	COMCRDW	COMCRDW	171	A
COMCRDW	AX7	60	SIGN OF (IN-OUT)	COMCRDW	COMCRDW	172	A
COMCRDW	BX4	X7-X1	INVERT BUFFER IF OUT .GE. IN	COMCRDW	COMCRDW	173	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCRDW

	COMCRDW		EQ	RDW=	RETURN	CPSA104	CPSA104	35	A	
1	COMCRDW					COMCRDW	COMCRDW	220	A	
2	COMCRDW	*			RECALL WAITING FOR I/O.	COMCRDW	COMCRDW	221	A	
3	COMCRDW					COMCRDW	COMCRDW	222	A	
4	COMCRDW	RDW13	RECALL			COMCRDW	COMCRDW	223	A	
5	COMCRDW		EQ	RDW1		COMCRDW	COMCRDW	224	A	
6	COMCRDW					COMCRDW	COMCRDW	225	A	
7	COMCRDW	*			MOVE DATA WITH CMU.	COMCRDW	COMCRDW	226	A	
8	COMCRDW					COMCRDW	COMCRDW	227	A	
9	COMCRDW	RDW14	SX4	B3-819		COMCRDW	COMCRDW	228	A	
10	COMCRDW		PL	X4,RDW15	IF MOVE TOO BIG FOR CMU	COMCRDW	COMCRDW	229	A	
11	COMCRDW		SX4	B3	10 * WORDS = CHARACTERS	COMCRDW	COMCRDW	230	A	
12	COMCRDW		LX6	X4,B1		COMCRDW	COMCRDW	231	A	
13	COMCRDW		BX1	X0	SAVE X0	COMCRDW	COMCRDW	232	A	
14	COMCRDW		LX4	3		COMCRDW	COMCRDW	233	A	
15	COMCRDW		IX6	X4+X6		COMCRDW	COMCRDW	234	A	
16	COMCRDW		SX7	B6	SET DESTINATION ADDRESS	COMCRDW	COMCRDW	235	A	
17	COMCRDW		LX3	30		COMCRDW	COMCRDW	236	A	
18	COMCRDW		MX4	-4		COMCRDW	COMCRDW	237	A	
19	COMCRDW		BX7	X7+X3		COMCRDW	COMCRDW	238	A	
20	COMCRDW		BX3	X4*X6	EXTRACT UPPER PORTION OF CHARACTER COUNT	COMCRDW	COMCRDW	239	A	
21	COMCRDW		LX3	48-4		COMCRDW	COMCRDW	240	A	
22	COMCRDW		BX4	-X4*X6		COMCRDW	COMCRDW	241	A	
23	COMCRDW		BX7	X3+X7		COMCRDW	COMCRDW	242	A	
24	COMCRDW		LX4	26		COMCRDW	COMCRDW	243	A	
25	COMCRDW		BX7	X4+X7		COMCRDW	COMCRDW	244	A	
26	COMCRDW		AX3	51		COMCRDW	COMCRDW	245	A	
27	COMCRDW		SA7	RDWB	STORE DESCRIPTOR WORD	COMCRDW	COMCRDW	246	A	
28	COMCRDW		IM	RDWB	MOVE DATA	COMCRDW	COMCRDW	247	A	
29	COMCRDW		BX0	X1	RESTORE X0	COMCRDW	COMCRDW	248	A	
30	COMCRDW		ZR	X3,RDW19	IF NO READ EXIT CHECK	COMCRDW	COMCRDW	249	A	
31	COMCRDW		SX3	B4	SET OUT	COMCRDW	COMCRDW	250	A	
32	COMCRDW		EQ	RDW8		COMCRDW	COMCRDW	251	A	
33	COMCRDW					COMCRDW	COMCRDW	252	A	
34	COMCRDW	RDW15	BX7	X1		COMCRDW	COMCRDW	253	A	
35	COMCRDW		SA1	A1+B1		COMCRDW	COMCRDW	254	A	
36	COMCRDW		EQ	RDW4		COMCRDW	COMCRDW	255	A	
37	COMCRDW					COMCRDW	COMCRDW	256	A	
38	COMCRDW	*			PRESET FOR CMU.	COMCRDW	COMCRDW	257	A	
39	COMCRDW	*			RDWB IS READ UP AND THEN RETURN JUMPED TO IN ORDER TO VOID	COMCRDW	COMCRDW	258	A	
40	COMCRDW	*			THE INSTRUCTION STACK.	COMCRDW	COMCRDW	259	A	
41	COMCRDW					COMCRDW	COMCRDW	260	A	
42	COMCRDW	RDWB	LE	B3,B1,RDW18	IF 1 WORD OR LESS (CMU)	COMCRDW	COMCRDW	261	A	
43	COMCRDW		EQ	RDW14		COMCRDW	COMCRDW	262	A	
44	COMCRDW					COMCRDW	COMCRDW	263	A	
45	COMCRDW	RDW16	EQU	RDWB	USED TO VOID STACK AT PRESET	COMCRDW	COMCRDW	264	A	
46	COMCRDW					COMCRDW	COMCRDW	265	A	
47	COMCRDW	*			PRESET FOR CMU.	COMCRDW	COMCRDW	266	A	
48	COMCRDW					COMCRDW	COMCRDW	267	A	
49	COMCRDW		SA4	RA.CMU	CHECK IF CMU AVAILABLE	COMCRDW	COMCRDW	268	A	
50	COMCRDW		SB3	RDWA		COMCRDW	COMCRDW	269	A	
51	COMCRDW		NG	X4,RDW17	IF CMU	COMCRDW	COMCRDW	270	A	
52		0	1	2	3	4	5	6	7	8
53		1234567890123456789012345678901234567890123456789012345678901234567890								
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCRDW

	COMCRDW		SA3	RDWC		COMCRDW	COMCRDW	271	A
1	COMCRDW	RDW17	BX6	X3		COMCRDW	COMCRDW	272	A
2	COMCRDW		SA6	B3		COMCRDW	COMCRDW	273	A
3	COMCRDW		RJ	*	VOID INSTRUCTION STACK.		CPSA163	7	A
4	COMCRDW		EQ	RDW1		COMCRDW	COMCRDW	274	A
5	COMCRDW					COMCRDW	COMCRDW	275	A
6	COMCRDW	RDWC	LE	B3,B1,RDW18	IF 1 WORD OR LESS (NO CMU)	COMCRDW	COMCRDW	276	A
7	COMCRDW		BX7	X1		COMCRDW	COMCRDW	277	A
8	COMCRDW		SA1	A1+B1		COMCRDW	COMCRDW	278	A
9	COMCRDW	RDX	SPACE	4,10		COMCRDW	COMCRDW	279	A
10	COMCRDW	**		RDX - READ EXIT.		COMCRDW	COMCRDW	280	A
11	COMCRDW	*		EXIT FROM READ SUBROUTINE TO CALLER.		COMCRDW	COMCRDW	281	A
12	COMCRDW	*		IF CIRCULAR BUFFER IS BUSY, OR EOR/EOF IS SENSED, NO ACTION		COMCRDW	COMCRDW	282	A
13	COMCRDW	*		IS TAKEN.		COMCRDW	COMCRDW	283	A
14	COMCRDW	*		OTHERWISE, THE WORD COUNT REMAINING IN THE BUFFER IS CHECKED		COMCRDW	COMCRDW	284	A
15	COMCRDW	*		AND PREVIOUS READ FUNCTION ISSUED IF NECESSARY.		COMCRDW	COMCRDW	285	A
16	COMCRDW	*				COMCRDW	COMCRDW	286	A
17	COMCRDW	*	ENTRY	(A2) = ADDRESS OF OUT.		COMCRDW	COMCRDW	287	A
18	COMCRDW	*		(A3) = ADDRESS OF FIRST.		COMCRDW	COMCRDW	288	A
19	COMCRDW	*		(A4) = RETURN ADDRESS.		COMCRDW	COMCRDW	289	A
20	COMCRDW	*		(X3) = FIRST.		COMCRDW	COMCRDW	290	A
21	COMCRDW	*		(B3) = IN.		COMCRDW	COMCRDW	291	A
22	COMCRDW	*		(B4) = OUT.		COMCRDW	COMCRDW	292	A
23	COMCRDW	*		(B5) = LIMIT.		COMCRDW	COMCRDW	293	A
24	COMCRDW	*		(B1) = 1.		COMCRDW	COMCRDW	294	A
25	COMCRDW	*				COMCRDW	COMCRDW	295	A
26	COMCRDW	*	EXIT	TO RETURN ADDRESS.		COMCRDW	COMCRDW	296	A
27	COMCRDW	*		(X2) = FET ADDRESS.		COMCRDW	COMCRDW	297	A
28	COMCRDW	*		(X1) = 0.		COMCRDW	COMCRDW	298	A
29	COMCRDW	*		(B1) = 1.		COMCRDW	COMCRDW	299	A
30	COMCRDW	*				COMCRDW	COMCRDW	300	A
31	COMCRDW	*	USES	A - 1, 6.		COMCRDW	COMCRDW	301	A
32	COMCRDW	*		B - 2.		COMCRDW	COMCRDW	302	A
33	COMCRDW	*		X - 1, 2, 3, 6, 7.		COMCRDW	COMCRDW	303	A
34	COMCRDW	*				COMCRDW	COMCRDW	304	A
35	COMCRDW	*	CALLS	CI0=.		COMCRDW	COMCRDW	305	A
36	COMCRDW					COMCRDW	COMCRDW	306	A
37	COMCRDW					COMCRDW	COMCRDW	307	A
38	COMCRDW	RDX=	SA1	A3-B1	CHECK BUFFER STATUS	COMCRDW	COMCRDW	308	A
39	COMCRDW		SX6	B4	STORE OUT	COMCRDW	COMCRDW	309	A
40	COMCRDW		LX1	59-0		COMCRDW	COMCRDW	310	A
41	COMCRDW		SA6	A2		COMCRDW	COMCRDW	311	A
42	COMCRDW		SX2	A3-B1	RESET (X2)	COMCRDW	COMCRDW	312	A
43	COMCRDW	RDX\$	IF	-DEF,RDX\$			CPSA242	31	A
44	COMCRDW		PL	X1,RDX1	IF BUFFER BUSY	COMCRDW	COMCRDW	313	A
45	COMCRDW		LX1	59-4-59+0		COMCRDW	COMCRDW	314	A
46	COMCRDW		NG	X1,RDX1	IF EOR/EOF SET	COMCRDW	COMCRDW	315	A
47	COMCRDW					COMCRDW	COMCRDW	316	A
48	COMCRDW	*		IF BUFFER IS NOT BUSY, CHECK BUFFER SIZE.		COMCRDW	COMCRDW	317	A
49	COMCRDW	*		ISSUE READ IF BUFFER THRESHOLD IS REACHED.		COMCRDW	COMCRDW	318	A
50	COMCRDW					COMCRDW	COMCRDW	319	A
51	COMCRDW		SA1	A2-B1	REREAD IN		CPSA242	32	A
52									
53		0	1	2	3	4	5	6	7
54		1234567890123456789012345678901234567890123456789012345678901234567890							

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCRDW

	COMCRDW		SB3	X1		CPSA242	33	A	
1	COMCRDW		SX6	B3-B4	(IN-OUT)	COMCRDW	COMCRDW	320	A
2	COMCRDW		SB2	X3	(LIMIT-FIRST)	COMCRDW	COMCRDW	321	A
3	COMCRDW		AX3	54		COMCRDW	COMCRDW	322	A
4	COMCRDW		SX7	X3+77B-61B	CHECK IF NOS/BE TERMINAL	COMCRDW	COMCRDW	323	A
5	COMCRDW		LX3	X6,B1	2*(IN-OUT)	COMCRDW	COMCRDW	324	A
6	COMCRDW		ZR	X7,RDX1	IF TERMINAL SUPPRESS READ AHEAD	COMCRDW	COMCRDW	325	A
7	COMCRDW		SX7	B5-B2		COMCRDW	COMCRDW	326	A
8	COMCRDW		AX6	60	SIGN OF (IN-OUT)	COMCRDW	COMCRDW	327	A
9	COMCRDW		BX6	X6-X7	INVERT BUFFER IF OUT .GE. IN	COMCRDW	COMCRDW	328	A
10	COMCRDW		IX6	X6-X3	BUFFER SIZE - 2 * ( IN - OUT )	COMCRDW	COMCRDW	329	A
11	COMCRDW		AX7	9			CPSA242	34	A
12	COMCRDW		NG	X6,RDX1	IF BUFFER THRESHOLD NOT REACHED	COMCRDW	COMCRDW	330	A
13	COMCRDW		AX7	9		COMCRDW	COMCRDW	331	I
14		-CPSA242							
15	COMCRDW		ZR	X7,RDX1	IF BUFFER NOT BIG ENOUGH TO READ AHEAD	COMCRDW	COMCRDW	332	A
16	COMCRDW		LX1	4	ISSUE PREVIOUS READ FUNCTION	COMCRDW	COMCRDW	333	I
17		-CPSA242							
18	COMCRDW		SA1	X2	ISSUE PREVIOUS READ FUNCTION		CPSA242	35	A
19	COMCRDW		SX6	740770B/2		COMCRDW	COMCRDW	334	A
20	COMCRDW		LX6	1			CPSA242	36	A
21	COMCRDW		BX7	X6*X1		COMCRDW	COMCRDW	335	A
22	COMCRDW		LX7	1		COMCRDW	COMCRDW	336	I
23		-CPSA242							
24	COMCRDW		RJ	=XCIO=		COMCRDW	COMCRDW	337	A
25	COMCRDW	RDX1	SX1	B0	RESPONSE = 0	COMCRDW	COMCRDW	338	A
26	COMCRDW	RDX\$	ELSE				CPSA242	37	A
27	COMCRDW		SX1	B0+	RESPONSE = 0		CPSA242	38	A
28	COMCRDW	RDX\$	ENDIF				CPSA242	39	A
29	COMCRDW		SB2	A4	SET RETURN ADDRESS	COMCRDW	COMCRDW	339	A
30	COMCRDW		JP	B2	RETURN	COMCRDW	COMCRDW	340	A
31	COMCRDW	LCB	SPACE	4		COMCRDW	COMCRDW	341	A
32	COMCRDW	**			LCB - LOAD CIRCULAR BUFFER.	COMCRDW	COMCRDW	342	A
33	COMCRDW	*			REQUEST READ IF BUFFER IS EMPTY, NOT BUSY AND NOT EOR/EOF.	COMCRDW	COMCRDW	343	A
34	COMCRDW	*			IF BUFFER IS BUSY, RECALL AND RETURN.	COMCRDW	COMCRDW	344	A
35	COMCRDW	*				COMCRDW	COMCRDW	345	A
36	COMCRDW	*	ENTRY		(A2) = ADDRESS OF OUT.	COMCRDW	COMCRDW	346	A
37	COMCRDW	*			(A3) = ADDRESS OF FIRST.	COMCRDW	COMCRDW	347	A
38	COMCRDW	*			(A4) = RETURN ADDRESS.	COMCRDW	COMCRDW	348	A
39	COMCRDW	*			(B4) = OUT.	COMCRDW	COMCRDW	349	A
40	COMCRDW	*				COMCRDW	COMCRDW	350	A
41	COMCRDW	*	EXIT		TO RETURN ADDRESS - 1 IF CONTINUATION READ.	COMCRDW	COMCRDW	351	A
42	COMCRDW	*			TO RETURN ADDRESS IF EOR/EOF.	COMCRDW	COMCRDW	352	A
43	COMCRDW	*			(X1) = LAST WORD ADDRESS OF WORKING BUFFER.	COMCRDW	COMCRDW	353	A
44	COMCRDW	*			(X1) = -1 IF EOF.	COMCRDW	COMCRDW	354	A
45	COMCRDW	*			(X1) = -2 IF EOI.	COMCRDW	COMCRDW	355	A
46	COMCRDW	*			(X2) = FET ADDRESS.	COMCRDW	COMCRDW	356	A
47	COMCRDW	*			(X7) = LEVEL NUMBER ON EOR.	COMCRDW	COMCRDW	357	A
48	COMCRDW	*			(B1) = 1.	COMCRDW	COMCRDW	358	A
49	COMCRDW	*				COMCRDW	COMCRDW	359	A
50	COMCRDW	*	USES		A - 1, 6, 7.	COMCRDW	COMCRDW	360	A
51	COMCRDW	*			B - 3.	COMCRDW	COMCRDW	361	A

0 1 2 3 4 5 6 7 8  
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCRDW

COMCRDW	NG	X1,LCB7	IF EOF/EOI	COMCRDW	COMCRDW	409	A
COMCRDW	LCB5	SB3	A4	COMCRDW	COMCRDW	410	A
COMCRDW		SX2	A3-B1	CPSA107	CPSA107	5	A
COMCRDW		JP	B3	COMCRDW	COMCRDW	411	A
COMCRDW				COMCRDW	COMCRDW	412	A
COMCRDW	LCB6	SA6	A6+B1	COMCRDW	COMCRDW	413	A
COMCRDW		READ	A3-B1	COMCRDW	COMCRDW	414	A
COMCRDW		SB3	A4-B1	COMCRDW	COMCRDW	415	A
COMCRDW		JP	B3	COMCRDW	COMCRDW	416	A
COMCRDW				COMCRDW	COMCRDW	417	A
COMCRDW	LCB7	LX6	59-9-59+3	COMCRDW	COMCRDW	418	I
COMCRDW	-CPSA107						
COMCRDW		PL	X6,LCB5	COMCRDW	COMCRDW	419	I
COMCRDW	-CPSA107						
COMCRDW	LCB7	LX2	59-9-59+3	CPSA107	CPSA107	6	A
COMCRDW		PL	X2,LCB5	CPSA107	CPSA107	7	A
COMCRDW		LX1	1	COMCRDW	COMCRDW	420	A
COMCRDW		SB3	A4	COMCRDW	COMCRDW	421	A
COMCRDW		SX2	A3-B1	CPSA107	CPSA107	8	A
COMCRDW		JP	B3	COMCRDW	COMCRDW	422	A
COMCRDW	RDW	SPACE	4,10	COMCRDW	COMCRDW	423	A
COMCRDW		BASE	*	COMCRDW	COMCRDW	424	A
COMCRDW	QUAL\$	IF	-DEF,QUAL\$	COMCRDW	COMCRDW	425	A
COMCRDW		QUAL	*	COMCRDW	COMCRDW	426	A
COMCRDW	RDW=	EQU	/COMCRDW/RDW=	COMCRDW	COMCRDW	427	A
COMCRDW	RDX=	EQU	/COMCRDW/RDX=	COMCRDW	COMCRDW	428	A
COMCRDW	LCB=	EQU	/COMCRDW/LCB=	COMCRDW	COMCRDW	429	A
COMCRDW	QUAL\$	ENDIF		COMCRDW	COMCRDW	430	A
COMCRDW	RDW	ENDX		COMCRDW	COMCRDW	431	A

## SUMMARY OF UPDATE IDENTIFIERS WITHIN DECK - COMCRDW

IDENTIFIER	TOTAL	ACTIVE
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COMCRDW	431	421
CPSA104	3	3
CPSA107	5	5
CPSA163	1	1
CPSA187	2	2
CPS0303	2	2
CPSA242	30	30

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCRSR

COMCRSR	*COMDECK	COMCRSR	RESTORE REGISTERS.	COMCRSR	COMCRSR	1	A
COMCRSR	RSR	CTEXT	COMCRSR - RESTORE REGISTERS.	COMCRSR	COMCRSR	2	A
COMCRSR	RSR	SPACE	4,10	COMCRSR	COMCRSR	3	A
COMCRSR		IF	-DEF,QUAL\$,1	COMCRSR	COMCRSR	4	A
COMCRSR		QUAL	COMCRSR	COMCRSR	COMCRSR	5	A
COMCRSR		BASE	D	COMCRSR	COMCRSR	6	A
COMCRSR	*	COMMENT	COPYRIGHT CONTROL DATA CORPORATION. 1978.	COMCRSR	COMCRSR	7	A
COMCRSR	RSR	SPACE	4,10	COMCRSR	COMCRSR	8	A

0	1	2	3	4	5	6	7	8
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCRSR

	COMCRSR	***	RSR - RESTORE ALL REGISTERS.				COMCRSR	COMCRSR	9	A
1	COMCRSR	*					COMCRSR	COMCRSR	10	A
2	COMCRSR	*	AUTHOR UNKNOWN. CIRCA 1971.				CPSA104	CPSA104	36	A
3	COMCRSR	*	P. C. TAM 77/07/05.				COMCRSR	COMCRSR	11	A
4	COMCRSR	*						CPSA245	140	A
5	COMCRSR	*	*****					CPSA245	141	A
6	COMCRSR	*	* THIS COMMON DECK IS PART OF THE COMMON COMMON DECKS *					CPSA245	142	A
7	COMCRSR	*	* RESIDING ON THE COMPASS PROGRAM LIBRARY, AND BEING *					CPSA245	143	A
8	COMCRSR	*	* MAINTAINED BY THE COMPASS PROJECT. ANY CHANGES *					CPSA245	144	A
9	COMCRSR	*	* REQUIRED SHOULD BE DIRECTED TO THE COMPASS PROJECT *					CPSA245	145	A
10	COMCRSR	*	* THROUGH THE PROPER PROCEDURE. *					CPSA245	146	A
11	COMCRSR	*	*****					CPSA245	147	A
12	COMCRSR	*						CPSA245	148	A
13	COMCRSR	*					COMCRSR	COMCRSR	12	A
14	COMCRSR	*	RSR RESTORES B, A, AND X REGISTERS FROM A SAVE AREA.				COMCRSR	COMCRSR	13	A
15	COMCRSR	RSR	SPACE 4,10				COMCRSR	COMCRSR	14	A
16	COMCRSR	***	RSR RESTORES B, A, AND X REGISTERS FROM A SPECIFIED REGISTER				COMCRSR	COMCRSR	15	A
17	COMCRSR	*	SAVE AREA. THE FORMAT OF THE REGISTERS IN THE SAVE AREA IS -				COMCRSR	COMCRSR	16	A
18	COMCRSR	*	B0, B1, ..., B7, A0, A1, ..., A7, X0, X1, ..., X7.				COMCRSR	COMCRSR	17	A
19	COMCRSR	*	EACH REGISTER OCCUPIES A FULL WORD WITH B AND A REGISTER				COMCRSR	COMCRSR	18	A
20	COMCRSR	*	VALUES IN BITS 17-0.				COMCRSR	COMCRSR	19	A
21	COMCRSR	*					COMCRSR	COMCRSR	20	A
22	COMCRSR	*	ENTRY (X1) = ADDRESS OF REGISTER SAVE AREA.				COMCRSR	COMCRSR	21	A
23	COMCRSR	*					COMCRSR	COMCRSR	22	A
24	COMCRSR	*	EXIT ALL REGISTERS SET TO THE CONTENT OF THE REGISTER				COMCRSR	COMCRSR	23	A
25	COMCRSR	*	SAVE AREA.				COMCRSR	COMCRSR	24	A
26	COMCRSR	*					COMCRSR	COMCRSR	25	A
27	COMCRSR	*	USES X - 0, 1, 2, 3, 4, 5, 6, 7.				COMCRSR	COMCRSR	26	A
28	COMCRSR	*	B - 1, 2, 3, 4, 5, 6, 7.				COMCRSR	COMCRSR	27	A
29	COMCRSR	*	A - 0, 1, 2, 3, 4, 5, 6, 7.				COMCRSR	COMCRSR	28	A
30	COMCRSR	*					COMCRSR	COMCRSR	29	A
31	COMCRSR	*	CALLS NONE.				COMCRSR	COMCRSR	30	A
32	COMCRSR						COMCRSR	COMCRSR	31	A
33	COMCRSR						COMCRSR	COMCRSR	32	A
34	COMCRSR	SAVEB	EQU	0			COMCRSR	COMCRSR	33	A
35	COMCRSR	SAVEA	EQU	8			COMCRSR	COMCRSR	34	A
36	COMCRSR	SAVEX	EQU	16			COMCRSR	COMCRSR	35	A
37	COMCRSR	RSR	SPACE	4,10			COMCRSR	COMCRSR	36	A
38	COMCRSR	RSR	SUBR	ENTRY/EXIT			COMCRSR	COMCRSR	37	A
39	COMCRSR		IF	-DEF,B1=1,1			COMCRSR	COMCRSR	38	A
40	COMCRSR		SB1	1			COMCRSR	COMCRSR	39	A
41	COMCRSR						COMCRSR	COMCRSR	40	A
42	COMCRSR	*	SET UP FINAL -B- REGISTERS RESTORE AT (RSR4) ET SEQ.				COMCRSR	COMCRSR	41	A
43	COMCRSR						COMCRSR	COMCRSR	42	A
44	COMCRSR		SB7	X1+	(B7) = FWA OF REGISTER SAVE AREA		COMCRSR	COMCRSR	43	A
45	COMCRSR		MX4	-18			COMCRSR	COMCRSR	44	A
46	COMCRSR		SA1	B7+SAVEB+7 (X1) = SAVED (B7)			COMCRSR	COMCRSR	45	A
47	COMCRSR		BX5	X4			COMCRSR	COMCRSR	46	A
48	COMCRSR		LX4	30			COMCRSR	COMCRSR	47	A
49	COMCRSR		SB4	4			COMCRSR	COMCRSR	48	A
50	COMCRSR		BX0	X4*X5 (X0) = 77770000007777000000B			COMCRSR	COMCRSR	49	A
51	COMCRSR						COMCRSR	COMCRSR	50	A
52										
53		0	1	2	3	4	5	6	7	8
54		123456789012345678901234567890123456789012345678901234567890								

LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCRSR

[illegible]



## 14121HE

76[illegible]

## 14121HE

76  
77

## 1

76  
77

## 1

76  
77

1

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCSFN

COMCSFN	*			COMCSFN	COMCSFN	13	A
COMCSFN	*	SFN	CONVERTS TRAILING 00 CHARACTERS IN A WORD TO BLANKS.	COMCSFN	COMCSFN	14	A
COMCSFN	***		SPACE 4,10	COMCSFN	COMCSFN	15	A
COMCSFN	*		CONVERTS TRAILING 00 CHARACTERS IN A WORD TO BLANKS.	COMCSFN	COMCSFN	16	A
COMCSFN	*	ENTRY	(X1) = NAME LEFT JUSTIFIED, ZERO FILL.	COMCSFN	COMCSFN	17	A
COMCSFN	*		(B1) = 1.	COMCSFN	COMCSFN	18	A
COMCSFN	*	EXIT	(X6) = NAME SPACE FILLED.	COMCSFN	COMCSFN	19	A
COMCSFN	*		(X7) = FINAL CHARACTER MASK.	COMCSFN	COMCSFN	20	A
COMCSFN	*	USES	X - 3, 6, 7.	COMCSFN	COMCSFN	21	A
COMCSFN	*		A - 3.	COMCSFN	COMCSFN	22	A
COMCSFN	*		B - 2.	COMCSFN	COMCSFN	23	A
COMCSFN	*	CALLS	NONE.	COMCSFN	COMCSFN	24	A
COMCSFN				COMCSFN	COMCSFN	25	A
COMCSFN	SFN	SUBR	ENTRY/EXIT	COMCSFN	COMCSFN	26	A
COMCSFN		SX7	B1	COMCSFN	COMCSFN	27	A
COMCSFN		SA3	SFNA =404040404040404040B	COMCSFN	COMCSFN	28	A
COMCSFN		IX7	X1-X7 FIND LOWEST BIT SET	COMCSFN	COMCSFN	29	A
COMCSFN		BX6	-X7+X1	COMCSFN	COMCSFN	30	A
COMCSFN		SB2	60-5	COMCSFN	COMCSFN	31	A
COMCSFN		BX7	X3*X6 BUILD MASK OF NON-ZERO CHARACTERS	COMCSFN	COMCSFN	32	A
COMCSFN		SA3	A3+B1 =10H	COMCSFN	COMCSFN	33	A
COMCSFN		LX6	X7,B2	COMCSFN	COMCSFN	34	A
COMCSFN		IX6	X7-X6	COMCSFN	COMCSFN	35	A
COMCSFN		BX7	X7+X6	COMCSFN	COMCSFN	36	A
COMCSFN		BX3	-X7*X3	COMCSFN	COMCSFN	37	A
COMCSFN		IX6	X1+X3	COMCSFN	COMCSFN	38	A
COMCSFN		EQ	SFNX RETURN	COMCSFN	COMCSFN	39	A
COMCSFN	SFNA	DATA	404040404040404040B	COMCSFN	COMCSFN	40	A
COMCSFN		DATA	10H	COMCSFN	COMCSFN	41	A
COMCSFN	SFN	SPACE	4,10	COMCSFN	COMCSFN	42	A
COMCSFN		BASE	*	COMCSFN	COMCSFN	43	A
COMCSFN	QUAL\$	IF	-DEF,QUAL\$	COMCSFN	COMCSFN	44	A
COMCSFN		QUAL	*	COMCSFN	COMCSFN	45	A
COMCSFN	SFN	EQU	/COMCSFN/SFN	COMCSFN	COMCSFN	46	A
COMCSFN	SFN=	EQU	/COMCSFN/SFN	COMCSFN	COMCSFN	47	A
COMCSFN	QUAL\$	ENDIF		COMCSFN	COMCSFN	48	A
COMCSFN	SFN	ENDX		COMCSFN	COMCSFN	49	A
						50	A
						51	A
						52	A
						53	A
						54	A
						55	A
						56	A
						57	A
						58	A
						59	A
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						65	A
						66	A
						67	A
						68	A
						69	A
						70	A
						71	A
						72	A
						73	A
						74	A
						75	A
						76	A
						77	A
						78	A
						79	A
						80	A

## SUMMARY OF UPDATE IDENTIFIERS WITHIN DECK - COMCSFN

IDENTIFIER	TOTAL	ACTIVE
COMCSFN	54	54
F4720D	1	1
CPSA245	9	9
0	1	2
1	2	3
2	3	4
3	4	5
4	5	6
5	6	7
6	7	8
7	8	
8		

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCSFN

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCSRT

COMCSRT	*COMDECK	COMCSRT	SET RECORD TYPE.	COMCSRT	COMCSRT	1	A
COMCSRT	SRT	CTEXT	COMCSRT - SET RECORD TYPE.	COMCSRT	COMCSRT	2	A
COMCSRT	SRT	SPACE	4,10	COMCSRT	COMCSRT	3	A
COMCSRT		IF	-DEF,QUAL\$,1	COMCSRT	COMCSRT	4	A
COMCSRT		QUAL	COMCSRT	COMCSRT	COMCSRT	5	A
COMCSRT		BASE	D	COMCSRT	COMCSRT	6	A
COMCSRT	*	COMMENT	COPYRIGHT CONTROL DATA CORPORATION. 1970, 1978.	COMCSRT	COMCSRT	7	A
COMCSRT	SRT	SPACE	4,10	COMCSRT	COMCSRT	8	A
COMCSRT	***	SRT	- SET RECORD TYPE.	COMCSRT	COMCSRT	9	A
COMCSRT	*			COMCSRT	COMCSRT	10	A
COMCSRT	*	G. R. MANSFIELD	70/09/04.	COMCSRT	COMCSRT	11	A
COMCSRT	*	R. H. GOODELL	71/08/24.	COMCSRT	COMCSRT	12	A
COMCSRT	*	R. H. FRANK	73/07/11.	COMCSRT	COMCSRT	13	A
COMCSRT	*	P. H. MCQUESTEN	77/06/30.	COMCSRT	COMCSRT	14	A
COMCSRT	*	C.J.CONRAD	80/08/26.		CPSA204	5	I
	-CPSA230						
COMCSRT	*	C. J. CONRAD	80/08/26.		CPSA230	5	I
	-CPS0306						
COMCSRT	*	C. J. CONRAD.	81/08/06.		CPS0306	5	A
COMCSRT	*				CPS0306	6	A
COMCSRT	*	*****			CPS0306	7	A
COMCSRT	*	* THIS COMMON DECK IS PART OF THE COMMON COMMON DECKS *			CPS0306	8	A
COMCSRT	*	* RESIDING ON THE COMPASS PROGRAM LIBRARY, AND BEING *			CPS0306	9	A
COMCSRT	*	* MAINTAINED BY THE COMPASS PROJECT. ANY CHANGES *			CPS0306	10	A
COMCSRT	*	* REQUIRED SHOULD BE DIRECTED TO THE COMPASS PROJECT *			CPS0306	11	A
COMCSRT	*	* THROUGH THE PROPER PROCEDURE. *			CPS0306	12	A
COMCSRT	*	*****			CPS0306	13	A
COMCSRT	*				CPS0306	14	A
COMCSRT	*			COMCSRT	COMCSRT	15	A
COMCSRT	*	SRT IDENTIFIES THE FORMAT OF A RECORD FROM THE FIRST 64 WORDS		COMCSRT	COMCSRT	16	I
	-CPS0323						
COMCSRT	*	LOCATED IN A WORKING BUFFER.		COMCSRT	COMCSRT	17	I
	-CPS0323						
COMCSRT	*	SRT IDENTIFIES THE FORMAT OF A RECORD FROM THE PREFIX TABLES			CPS0323	9	A
COMCSRT	*	AND/OR FIRST 64 WORDS OF RECORD LOCATED IN A WORKING BUFFER.			CPS0323	10	A
COMCSRT	*	IF BUFFER IS NOT LARGE ENOUGH TO CONTAIN ALL PREFIX TABLES			CPS0323	11	A
COMCSRT	*	AND ENOUGH RECORD TO DETERMINE TYPE, TYPE *TEXT* IS RETURNED.			CPS0323	12	A
COMCSRT	SRT	SPACE	4,10	COMCSRT	COMCSRT	18	A
COMCSRT	***	SRT IDENTIFIES THE FORMAT OF A RECORD FROM THE FIRST		COMCSRT	COMCSRT	19	A
COMCSRT	*	64 WORDS LOCATED IN A WORKING BUFFER. THE TYPE CODES RETURNED		COMCSRT	COMCSRT	20	A
COMCSRT	*	ARE LISTED BELOW.		COMCSRT	COMCSRT	21	A
COMCSRT	*			COMCSRT	COMCSRT	22	A
COMCSRT	*	IF TYPE NUMBER AND RECORD NAME = 0, RECORD IS ZERO LENGTH.		COMCSRT	COMCSRT	23	A
COMCSRT	*			COMCSRT	COMCSRT	24	A
COMCSRT	*	SYMBOL PROVIDED BY *COMCSRT* --		COMCSRT	COMCSRT	25	A
COMCSRT	*	*L.SRT* = MAXIMUM RECORD TYPE NUMBER.		COMCSRT	COMCSRT	26	A

0	1	2	3	4	5	6	7	8
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCSRT

	COMCSRT	*				COMCSRT	COMCSRT	27	A	
1	COMCSRT	*				COMCSRT	COMCSRT	28	A	1
2	COMCSRT	*	ENTRY	(X1) = LWA+1 OF BLOCK.		COMCSRT	COMCSRT	29	A	2
3	COMCSRT	*		(X2) = FWA OF CURRENT RECORD.		COMCSRT	COMCSRT	30	A	3
4	COMCSRT	*		(B1) = 1.		COMCSRT	COMCSRT	31	A	4
5	COMCSRT	*				COMCSRT	COMCSRT	32	A	5
6	COMCSRT	*	EXIT	(X6) = 42/ 0L_NAME, 12/ 0, 6/ TYPE.		COMCSRT	COMCSRT	33	A	6
7	COMCSRT	*		(X7) = RECORD NAME (-L- FORMAT).		COMCSRT	COMCSRT	34	A	7
8	COMCSRT	*				COMCSRT	COMCSRT	35	A	8
9	COMCSRT	*	USES	X - 0, 1, 2, 3, 4, 6, 7.		COMCSRT	COMCSRT	36	A	9
10	COMCSRT	*		B - 2, 3.		COMCSRT	COMCSRT	37	A	10
11	COMCSRT	*		A - 1, 2, 3.		COMCSRT	COMCSRT	38	A	11
12	COMCSRT	*				COMCSRT	COMCSRT	39	A	12
13	COMCSRT	*	CALLS	NONE.		COMCSRT	COMCSRT	40	A	13
14	COMCSRT	*	SPACE	4,8			F4720A	6	A	14
15	COMCSRT	***	RECORD	TYPES ARE AS FOLLOWS --			F4720A	7	A	15
16	COMCSRT	*					F4720A	8	A	16
17	COMCSRT	*	TYPE	NUMBER	FORMAT		F4720A	9	A	17
18	COMCSRT	*					F4720A	10	A	18
19	COMCSRT	*	TEXT	0	TEXT RECORD.		F4720A	11	A	19
20	COMCSRT	*	6PP	1	6000-SERIES PERIPHERAL PROCESSOR OVERLAY.		F4720A	12	A	20
21	COMCSRT	*	COS	2	CHIPPEWA OS FORMATTED PROGRAM.		F4720A	13	I	21
22		-CPS0306								22
23	COMCSRT	*		2	(CDC RESERVED).		CPS0306	15	I	23
24		-CPS0345								24
25	COMCSRT	*	OVCAP	2	OVERLAY CAPSULE.		CPS0345	7	A	25
26	COMCSRT	*	REL	3	RELOCATABLE SUBPROGRAM.		F4720A	14	A	26
27	COMCSRT	*	OVL	4	CENTRAL PROCESSOR OVERLAY.		F4720A	15	A	27
28	COMCSRT	*	ULIB	5	NOS USER LIBRARY.		F4720A	16	A	28
29	COMCSRT	*	OPL	6	MODIFY PROGRAM LIBRARY DECK.		F4720A	17	A	29
30	COMCSRT	*	OPLC	7	MODIFY PROGRAM LIBRARY COMMON DECK.		F4720A	18	A	30
31	COMCSRT	*	OPLD	8	MODIFY PROGRAM LIBRARY DIRECTORY.		F4720A	19	A	31
32	COMCSRT	*	ABS	9	MULTIPLE ENTRY POINT OVERLAY.		F4720A	20	A	32
33	COMCSRT	*	7PP	10	7000-SERIES PERIPHERAL PROCESSOR OVERLAY.		F4720A	21	A	33
34	COMCSRT	*	UPL	11	UPDATE SEQUENTIAL PROGRAM LIBRARY.		F4720A	22	A	34
35	COMCSRT	*	UCF	12	UPDATE COMPRESSED COMPILE FILE.		F4720A	23	A	35
36	COMCSRT	*	ACF	13	MODIFY COMPRESSED COMPILE FILE.		F4720A	24	A	36
37	COMCSRT	*	CAP	14	FAST DYNAMIC LOAD CAPSULE.		F4720A	25	A	37
38	COMCSRT	*	DATA	15	ARBITRARY DATA.		F4720A	26	A	38
39	COMCSRT	*		16	(CDC RESERVED).		F4720A	27	I	39
40		-CPS0281								40
41	COMCSRT	*	PROC	17	PROCEDURE RECORD.		F4720A	28	I	41
42		-CPS0281								42
43	COMCSRT	*	PROC	16	PROCEDURE RECORD.		CPS0281	4	A	43
44	COMCSRT	*		17	(CDC RESERVED).		CPS0281	5	A	44
45	COMCSRT	*	SDR	18	SPECIAL DEADSTART RECORD.		F4720A	29	A	45
46	COMCSRT	*	UPLR	19	UPDATE RANDOM PROGRAM LIBRARY.		CPSA204	6	A	46
47	COMCSRT	*	UPLRC	20	UPDATE RANDOM PROGRAM LIBRARY COMMON DECK.		CPSA284	10	A	47
48	COMCSRT	*	8PP	21	CYBER 180 PERIPHERAL PROCESSOR OVERLAY.		CPSA295	5	A	48
49	COMCSRT	SRT	SPACE	4,10		COMCSRT	COMCSRT	41	A	49
50	COMCSRT	****	TYPES	- ONE OF THE FOLLOWING RECORD TYPES IS RETURNED.		COMCSRT	COMCSRT	42	A	50
51	COMCSRT	*				COMCSRT	COMCSRT	43	A	51
52										52
53		0	1	2	3	4	5	6	7	8
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCSRT

-CPS0323

1	COMCSRT		ZR	X7,SRT3	IF NAME .LT. 3 CHARACTERS		CPS0323	20	A	
2	COMCSRT		SB3	X1-2R0A		COMCSRT	COMCSRT	121	A	
3	COMCSRT		BX3	X0*X6		COMCSRT	COMCSRT	122	A	
4	COMCSRT		MX0	6		COMCSRT	COMCSRT	123	A	
5	COMCSRT		LX0	54		COMCSRT	COMCSRT	124	A	
6	COMCSRT		BX7	X0*X6		COMCSRT	COMCSRT	125	A	
7	COMCSRT		ZR	X7,SRT3	IF CHARACTER 2 = 0	COMCSRT	COMCSRT	126	A	
8	COMCSRT		PL	B3,SRT2	IF NUMERIC PP NAME	COMCSRT	COMCSRT	127	A	
9	COMCSRT		ZR	X3,SRT3	IF NO LOAD ADDRESS	COMCSRT	COMCSRT	128	A	
10	COMCSRT	SRT2	MX0	18		COMCSRT	COMCSRT	129	A	
11	COMCSRT		SB3	X6		COMCSRT	COMCSRT	130	A	
12	COMCSRT		ZR	B3,SRT3	IF ZERO LENGTH PROGRAM	COMCSRT	COMCSRT	131	A	
13	COMCSRT		SB2	B1	0.6PP	COMCSRT	COMCSRT	132	A	
14	COMCSRT		BX2	X0*X2		COMCSRT	COMCSRT	133	A	
15	COMCSRT		EQ	SRT13	EXIT	COMCSRT	COMCSRT	134	A	
16	COMCSRT					COMCSRT	COMCSRT	135	A	
17	COMCSRT					COMCSRT	COMCSRT	136	A	
18	COMCSRT	**			HAVE ALREADY SKIPPED (OPTIONAL) 7700-TABLE, NOW CHECK FOR --	COMCSRT	COMCSRT	137	A	
19	COMCSRT	*	3	REL	(7000, WC .NZ.), 3400	COMCSRT	COMCSRT	138	A	
20	COMCSRT	*	2	OVCAP	6000, WITH BIT 18 SET		CPS0345	9	A	
21	COMCSRT	*	4	OVL	(7000, WC .NZ.), 5000	COMCSRT	COMCSRT	139	A	
22	COMCSRT	*	5	ULIB	7600	COMCSRT	COMCSRT	140	A	
23	COMCSRT	*	6	OPL	7001	COMCSRT	COMCSRT	141	A	
24	COMCSRT	*	7	OPLC	7002	COMCSRT	COMCSRT	142	A	
25	COMCSRT	*	8	OPLD	(7000, WC .ZR.)	COMCSRT	COMCSRT	143	A	
26	COMCSRT	*	9	ABS	(7000, WC .NZ.), 5100	COMCSRT	COMCSRT	144	A	
27	COMCSRT	*	10	7PP	5200	COMCSRT	COMCSRT	145	A	
28	COMCSRT	*	14	CAP	6000	COMCSRT	COMCSRT	146	A	
29	COMCSRT	*	17	.PROC	5720 = 36/6L.PROC,	COMCSRT	COMCSRT	147		I
30		-CPS0281								
31	COMCSRT	*	16	.PROC	5720 = 36/6L.PROC,		CPS0281	8	A	
32	COMCSRT	*	19	UPLR	6000, COMDECK, YANK, DECK		CPS0345	10		I
33		-CPSA284								
34	COMCSRT	*	19	UPLR	6000, YANK, DECK		CPSA284	15	A	
35	COMCSRT	*	20	UPLRC	6000, COMDECK		CPSA284	16	A	
36	COMCSRT	*	21	8PP	6100		CPSA295	8	A	
37	COMCSRT					COMCSRT	COMCSRT	148	A	
38	COMCSRT	SRT3	SB2	0.REL		COMCSRT	COMCSRT	149	A	
39	COMCSRT		SB3	X1-3400B		COMCSRT	COMCSRT	150	A	
40	COMCSRT		ZR	B3,SRT13	IF PIDL TABLE, RELOCATABLE	COMCSRT	COMCSRT	151		I
41		-CPSA257								
42	COMCSRT		ZR	B3,SRT17	IF 3400, MAY BE PIDL TABLE		CPSA257	5	A	
43	COMCSRT		SB3	X1-7000B		COMCSRT	COMCSRT	152	A	
44	COMCSRT		NZ	B3,SRT4	IF NOT LDSET OR OPLD TABLE	COMCSRT	COMCSRT	153	A	
45	COMCSRT		BX1	X6		COMCSRT	COMCSRT	154	A	
46	COMCSRT		LX1	-36		COMCSRT	COMCSRT	155	A	
47	COMCSRT		MX0	-12	EXTRACT 7000 TABLE WORD COUNT	COMCSRT	COMCSRT	156	A	
48	COMCSRT		BX1	-X0*X1		COMCSRT	COMCSRT	157	A	
49	COMCSRT		SB2	0.OPLD		COMCSRT	COMCSRT	158	A	
50	COMCSRT		ZR	X1,SRT13	IF OPL DIRECTORY (7000,WC=0)	COMCSRT	COMCSRT	159	A	
51	COMCSRT					COMCSRT	COMCSRT	160	A	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCSRT

COMCSRT	SB2	X1+B1	NO, IS LDSET TABLE (7000, WC .NZ.)	COMCSRT	COMCSRT	161	A
COMCSRT	SA1	A1+B2	POSITION PAST THE LDSET TABLE	COMCSRT	COMCSRT	162	I
-CPS0323							
COMCSRT	SX3	A1+B2	ADDR OF WORD PAST LDSET TABLE		CPS0323	21	A
COMCSRT	SB2	0.TEXT	*TEXT*, JUST IN CASE WE RUN OUT OF ROOM		CPS0323	22	A
COMCSRT	IX1	X3+X4	COMPARE NEXT ADDR TO BUFFER LWA+1		CPS0323	23	A
COMCSRT	PL	X1,SRT13			CPS0323	24	A
COMCSRT	SA1	X3	POSITION PAST THE LDSET TABLE		CPS0323	25	A
COMCSRT	BX6	X1	FIRST WORD OF PROGRAM	COMCSRT	COMCSRT	163	A
COMCSRT	LX1	12		COMCSRT	COMCSRT	164	A
COMCSRT	BX1	-X0*X1	TABLE TYPE	COMCSRT	COMCSRT	165	A
COMCSRT	EQ	SRT3		COMCSRT	COMCSRT	166	A
COMCSRT				COMCSRT	COMCSRT	167	A
COMCSRT	SRT4	SB2	0.ULIB	COMCSRT	COMCSRT	168	A
COMCSRT	SB3	X1-7600B		COMCSRT	COMCSRT	169	A
COMCSRT	ZR	B3,SRT13	IF USER LIBRARY	COMCSRT	COMCSRT	170	A
COMCSRT	SB2	0.OPL		COMCSRT	COMCSRT	171	A
COMCSRT	SB3	X1-7001B		COMCSRT	COMCSRT	172	A
COMCSRT	ZR	B3,SRT13	IF OLD PROGRAM LIBRARY	COMCSRT	COMCSRT	173	A
COMCSRT	SB2	0.OPLC		COMCSRT	COMCSRT	174	A
COMCSRT	SB3	X1-7002B		COMCSRT	COMCSRT	175	A
COMCSRT	ZR	B3,SRT13	IF OPL COMMON DECK	COMCSRT	COMCSRT	176	A
COMCSRT	SB2	0.ABS		COMCSRT	COMCSRT	177	A
COMCSRT	SB3	X1-5100B		COMCSRT	COMCSRT	178	A
COMCSRT	ZR	B3,SRT13	IF ABS	COMCSRT	COMCSRT	179	A
COMCSRT	SB3	X1-5300B		COMCSRT	COMCSRT	180	A
COMCSRT	NZ	B3,SRT6	IF NOT 5300 TABLE	COMCSRT	COMCSRT	181	A
COMCSRT	SB3	X6+		COMCSRT	COMCSRT	182	A
COMCSRT	NG	B3,SRT13	IF ABSOLUTE MODULE	COMCSRT	COMCSRT	183	A
COMCSRT	SRT5	SB2	0.OVL	COMCSRT	COMCSRT	184	A
COMCSRT	EQ	SRT13	IF OVL	COMCSRT	COMCSRT	185	A
COMCSRT				COMCSRT	COMCSRT	186	A
COMCSRT	SRT6	SB3	X1-5400B	COMCSRT	COMCSRT	187	A
COMCSRT	NZ	B3,SRT7	IF NOT 5400 TABLE	COMCSRT	COMCSRT	188	A
COMCSRT	BX3	X6		COMCSRT	COMCSRT	189	A
COMCSRT	LX3	-36		COMCSRT	COMCSRT	190	A
COMCSRT	SX4	X3		COMCSRT	COMCSRT	191	A
COMCSRT	ZR	X4,SRT13	IF (0,0) OVERLAY, TYPE ABSOLUTE	COMCSRT	COMCSRT	192	A
COMCSRT	EQ	SRT5	ELSE TYPE OVL	COMCSRT	COMCSRT	193	A
COMCSRT				COMCSRT	COMCSRT	194	A
COMCSRT	SRT7	SB2	0.CAP	COMCSRT	COMCSRT	195	A
COMCSRT	SB3	X1-6000B		COMCSRT	COMCSRT	196	A
COMCSRT	ZR	B3,SRT13	IF CAPSULE	COMCSRT	COMCSRT	197	I
-CPSA204							
COMCSRT	SB2	0.7PP		COMCSRT	COMCSRT	198	I
-CPSA204							
COMCSRT	NZ	B3,SRT7.5	IF NOT CAPSULE OR RANDOM PL.		CPSA204	8	A
COMCSRT	SA1	A1			CPSA284	17	A
COMCSRT	MX0	-12			CPSA284	18	A
COMCSRT	LX1	-36			CPSA284	19	A
COMCSRT	BX1	-X0*X1			CPSA284	20	A
COMCSRT	SX1	X1-1			CPSA284	21	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCSRT

COMCSRT	SRT7.0	SA3	SRTF	*DECK	CPSA284	33	A	
COMCSRT		IX6	X4-X3		CPSA204	28	A	
COMCSRT		SX7	0.UPLR		CPSA284	34	A	
COMCSRT		NZ	X6,SRT13	CAPSULE.	CPSA204	29		I
	-CPS0345							
COMCSRT		ZR	X6,SRT7.1	IF DECK, THEN RANDOM PL	CPS0345	11	A	
COMCSRT		SA1	A1		CPS0345	12		I
	-CPSA284							
COMCSRT		BX6	X1		CPS0345	13		I
	-CPSA284							
COMCSRT		SA1	A1		CPSA284	35	A	
COMCSRT		BX6	X1		CPSA284	36	A	
COMCSRT		LX6	59-18	CHECK OVCAP FLAG	CPS0345	14	A	
COMCSRT		PL	X6,SRT13	IF NOT SET, CAPSULE.	CPS0345	15	A	
COMCSRT		SB2	0.OVCAP	ELSE, OVERLAY CAPSULE.	CPS0345	16	A	
COMCSRT		EQ	SRT13		CPS0345	17	A	
COMCSRT					CPSA204	30	A	
COMCSRT	**			OBTAIN NAME OF DECK	CPSA204	31	A	
COMCSRT	*			B3 = SHIFT FACTOR TO LEFT JUSTIFY DECKNAME.	CPSA204	32	A	
COMCSRT					CPSA204	33	A	
COMCSRT	SRT7.1	SB2	0.UPLR		CPSA204	34		I
	-CPSA230							
COMCSRT		SA3	A1+B1	REFETCH 2ND WORD	CPSA204	35		I
	-CPSA230							
COMCSRT	SRT7.1	SA3	A1+B1	REFETCH SECOND WORD	CPSA230	13	A	
COMCSRT		MX6	-6	MASK FOR ONE CHARACTER	CPSA230	14	A	
COMCSRT					CPSA284	37	A	
COMCSRT	SRT7.2	SB2	B3-60		CPSA230	15	A	
COMCSRT		NZ	B2,SRT7.3		CPSA230	16	A	
COMCSRT		SA3	A3+B1	FETCH THE NEXT WORD	CPSA230	17	A	
COMCSRT		SB3	B0		CPSA230	18		I
	-CPSA284							
COMCSRT		SB3	0		CPSA284	38	A	
COMCSRT		MX0	0		CPSA230	19	A	
COMCSRT	SRT7.3	SB2	B3+6		CPSA230	20	A	
COMCSRT		LX2	X3,B2	SHIFT FIRST CHAR. TO LOWEST POSITION	CPSA230	21	A	
COMCSRT		BX2	-X6*X2	MASK OFF CHARACTER	CPSA230	22	A	
COMCSRT		SB2	X2-1R	TEST FOR BLANK	CPSA230	23	A	
COMCSRT		NZ	B2,SRT7.4		CPSA230	24		I
	-CPSA284							
COMCSRT		SB3	B3+6	INCREMENT SHIFT	CPSA230	25		I
	-CPSA284							
COMCSRT		AX0	6	INCREASE MASK	CPSA230	26		I
	-CPSA284							
COMCSRT		NZ	X0,SRT7.2		CPSA230	27		I
	-CPSA284							
COMCSRT		ZR	B2,SRT7.36		CPSA284	39	A	
COMCSRT		SB2	X2-1R,	TEST FOR COMMA	CPSA284	40	A	
COMCSRT		ZR	B2,SRT7.36		CPSA284	41	A	
COMCSRT		NZ	X2,SRT7.4	READY TO GO	CPSA284	42	A	
COMCSRT		SB3	B3+6	SHIFT FIRST CHARACTER POSITION	CPSA284	43	A	
COMCSRT		MX0	6		CPSA230	28		I

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCSRT

-CPSA284

1	COMCSRT		AX0	6		CPSA284	44	A	
2	COMCSRT		SB2	B3-60		CPSA284	45	A	
3	COMCSRT		NZ	B2,SRT7.36	SHIFT SECOND CHARACTER POSITION	CPSA284	46	A	
4	COMCSRT		SA3	A3+B1	FAKE THE SECOND SHIFT	CPSA284	47	A	
5	COMCSRT		SB3	0		CPSA284	48	A	
6	COMCSRT		MX0	0		CPSA284	49	A	
7	COMCSRT		EQ	SRT7.2		CPSA284	50	A	
8	COMCSRT	SRT7.36	SB3	B3+6	INCREMENT SHIFT	CPSA284	51	A	
9	COMCSRT	SRT7.37	ZR	X0,SRT7.39	RESET MASK	CPSA284	52	A	
10	COMCSRT		AX0	6		CPSA284	53	A	
11	COMCSRT		EQ	SRT7.2		CPSA284	54	A	
12	COMCSRT	SRT7.38	MX0	6		CPSA284	55	A	
13	COMCSRT		EQ	SRT7.2	TRY NEXT CHARACTER	CPSA230	29	A	
14	COMCSRT	SRT7.4	SB2	0.UPLR		CPSA230	30		I
15		-CPSA284							
16	COMCSRT		BX2	-X0*X3		CPSA204	36		I
17		-CPSA284							
18	COMCSRT	SRT7.39	PL	X0,SRT7.38		CPSA284	56	A	
19	COMCSRT		MX0	0		CPSA284	57	A	
20	COMCSRT		EQ	SRT7.2		CPSA284	58	A	
21	COMCSRT	SRT7.4	BX2	-X0*X3		CPSA284	59	A	
22	COMCSRT		MX3	0		CPSA284	60	A	
23	COMCSRT		ZR	X1,SRT7.41	IF ONLY ONE WORD ENTRY	CPSA284	61	A	
24	COMCSRT		SA3	A3+B1	FETCH NEXT WORD	CPSA204	37	A	
25	COMCSRT		BX3	X0*X3		CPSA204	38		I
26		-CPSA284							
27	COMCSRT	SRT7.41	BX3	X0*X3		CPSA284	62	A	
28	COMCSRT		BX2	X2+X3	PUT THE NAME IN ONE WORD	CPSA204	39	A	
29	COMCSRT		LX2	B3	POSITION DECK NAME.	CPSA204	40	A	
30	COMCSRT		MX0	6	CURRENT CHARACTER MASK	CPSA284	63	A	
31	COMCSRT		SB3	6		CPSA284	64	A	
32	COMCSRT	SRT7.43	BX6	X0*X2	CHARACTER	CPSA284	65	A	
33	COMCSRT		LX6	X6,B3	POSITION AS LOW ORDER 6 BITS	CPSA284	66	A	
34	COMCSRT		ZR	X6,SRT7.46	IF A ZERO	CPSA284	67	A	
35	COMCSRT		SX6	X6-1R		CPSA284	68	A	
36	COMCSRT		ZR	X6,SRT7.46	IF A BLANK	CPSA284	69	A	
37	COMCSRT		SB3	B3+6		CPSA284	70	A	
38	COMCSRT		LX0	-6	NEXT CHARACTER	CPSA284	71	A	
39	COMCSRT		SB2	B3-60		CPSA284	72	A	
40	COMCSRT		NZ	B2,SRT7.43		CPSA284	73	A	
41	COMCSRT	SRT7.46	SB3	B3-6		CPSA284	74	A	
42	COMCSRT		MX0	6		CPSA284	75	A	
43	COMCSRT		AX0	X0,B3	FINAL MASK	CPSA284	76	A	
44	COMCSRT		BX2	X0*X2	DECK NAME	CPSA284	77	A	
45	COMCSRT		SB2	X7		CPSA284	78	A	
46	COMCSRT		EQ	SRT13		CPSA204	41	A	
47	COMCSRT					CPSA204	42	A	
48	COMCSRT	SRT7.5	SB2	0.7PP		CPSA204	43	A	
49	COMCSRT		SB3	X1-5200B		COMCSRT	COMCSRT	199	A
50	COMCSRT		ZR	B3,SRT13	IF PPU	COMCSRT	COMCSRT	200	A
51	COMCSRT		SB2	0.8PP		CPSA295	9	A	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCSRT

	COMCSRT		SB3	X1-6100B			CPSA295	10	A
1	COMCSRT		ZR	B3,SRT13	IF 180 PPU		CPSA295	11	A
2	COMCSRT		SB3	X1-5000B		COMCSRT	COMCSRT	201	A
3	COMCSRT		NZ	B3,SRT8	IF NOT OVERLAY	COMCSRT	COMCSRT	202	A
4	COMCSRT					COMCSRT	COMCSRT	203	A
5	COMCSRT		SB2	0.0VL		COMCSRT	COMCSRT	204	A
6	COMCSRT		BX7	X2-X6		COMCSRT	COMCSRT	205	A
7	COMCSRT		NZ	X7,SRT13	IF NAME .NE. FIRST WORD OF PROGRAM	COMCSRT	COMCSRT	206	A
8	COMCSRT	SRT8	SA3	A1	REFETCH FIRST WORD	COMCSRT	COMCSRT	207	A
9	COMCSRT		MX0	36		COMCSRT	COMCSRT	208	A
10	COMCSRT		BX7	X0*X3	ISOLATE POSSIBLE *.PROC,*	COMCSRT	COMCSRT	209	A
11	COMCSRT		BX4	-X0*X3		COMCSRT	COMCSRT	210	A
12	COMCSRT		SA3	SRTC	*.PROC,*	COMCSRT	COMCSRT	211	A
13	COMCSRT		BX7	X7-X3		COMCSRT	COMCSRT	212	A
14	COMCSRT		NZ	X7,SRT11	IF NOT *.PROC,*	COMCSRT	COMCSRT	213	A
15	COMCSRT					COMCSRT	COMCSRT	214	A
16	COMCSRT	*		OBTAIN NAME OF PROCEDURE.		COMCSRT	COMCSRT	215	A
17	COMCSRT					COMCSRT	COMCSRT	216	A
18	COMCSRT		SA3	A1+B1	PICK UP SECOND WORD OF BINARY	COMCSRT	COMCSRT	217	A
19	COMCSRT		MX0	24		COMCSRT	COMCSRT	218	A
20	COMCSRT		BX3	X0*X3	ISOLATE THE NEXT FOUR CHARACTERS	COMCSRT	COMCSRT	219	A
21	COMCSRT		BX4	X4+X3	COMBINE ALL EIGHT CHARACTERS	COMCSRT	COMCSRT	220	A
22	COMCSRT		LX4	36	SHIFT INTO PLACE AT LEFT	COMCSRT	COMCSRT	221	A
23	COMCSRT		MX0	-6		COMCSRT	COMCSRT	222	A
24	COMCSRT		SB3	48		COMCSRT	COMCSRT	223	A
25	COMCSRT		SB2	53	CONSTANT FOR CREATING MASK	COMCSRT	COMCSRT	224	A
26	COMCSRT	SRT9	LX4	6	SHIFT NEXT CHARACTER TO LOW ORDER	COMCSRT	COMCSRT	225	A
27	COMCSRT		BX7	-X0*X4		COMCSRT	COMCSRT	226	A
28	COMCSRT		ZR	X7,SRT10	IF NOT LEGAL CHARACTER	COMCSRT	COMCSRT	227	A
29	COMCSRT		SX7	X7-1R0		COMCSRT	COMCSRT	228	I
30		-CPSA210							
31	COMCSRT		SX7	X7-1R+			CPSA210	5	A
32	COMCSRT		PL	X7,SRT10	IF NOT ALPHA-NUMERIC	COMCSRT	COMCSRT	229	A
33	COMCSRT		SB3	B3-6	DECREMENT CHARACTER COUNT	COMCSRT	COMCSRT	230	A
34	COMCSRT		ZR	B3,SRT11	IF EIGHT CHARACTERS AND NO COMMA	COMCSRT	COMCSRT	231	A
35	COMCSRT		EQ	SRT9		COMCSRT	COMCSRT	232	A
36	COMCSRT					COMCSRT	COMCSRT	233	A
37	COMCSRT	SRT10	SB3	B3-48		COMCSRT	COMCSRT	234	A
38	COMCSRT		ZR	B3,SRT11	IF NULL NAME	COMCSRT	COMCSRT	235	A
39	COMCSRT		SB3	B3+54	SHIFT COUNT TO RESTORE NAME IN PLACE	COMCSRT	COMCSRT	236	A
40	COMCSRT		SB2	B2-B3		COMCSRT	COMCSRT	237	A
41	COMCSRT		MX7	1		COMCSRT	COMCSRT	238	A
42	COMCSRT		AX7	B2	MASK FOR NAME	COMCSRT	COMCSRT	239	A
43	COMCSRT		LX4	B3	RESTORE NAME	COMCSRT	COMCSRT	240	A
44	COMCSRT		BX2	X7*X4	ISOLATE NAME	COMCSRT	COMCSRT	241	A
45	COMCSRT		SB2	0.PROC	PROCEDURE TYPE	COMCSRT	COMCSRT	242	A
46	COMCSRT		EQ	SRT13		COMCSRT	COMCSRT	243	A
47	COMCSRT					COMCSRT	COMCSRT	244	A
48	COMCSRT	SRT11	BX4	X6		COMCSRT	COMCSRT	245	A
49	COMCSRT		SB3	X6		COMCSRT	COMCSRT	246	A
50	COMCSRT		LX4	59-17		COMCSRT	COMCSRT	247	A
51	COMCSRT		BX7	X4+X6		COMCSRT	COMCSRT	248	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCSRT

1	COMCSRT		MI	X7,SRT12	IF POSSIBLE TEXT	COMCSRT	COMCSRT	249	A	
2	COMCSRT		SB2	0.COS		COMCSRT	COMCSRT	250		I
3		-CPS0306								
4	COMCSRT		SB2	0.TEXT			CPS0306	17	A	
5	COMCSRT		NZ	B3,SRT13	IF COS	COMCSRT	COMCSRT	251	A	
6	COMCSRT	SRT12	MX0	-12		COMCSRT	COMCSRT	252	A	
7	COMCSRT		BX7	-X0*X6		COMCSRT	COMCSRT	253	A	
8	COMCSRT		SB2	0.DATA		COMCSRT	COMCSRT	254	A	
9	COMCSRT		NZ	X7,SRT13	IF DATA	COMCSRT	COMCSRT	255	A	
10	COMCSRT		MX0	6		COMCSRT	COMCSRT	256	A	
11	COMCSRT		BX7	X0*X4		COMCSRT	COMCSRT	257	A	
12	COMCSRT		SB2	B0	0.TEXT	COMCSRT	COMCSRT	258	A	
13	COMCSRT		ZR	X7,SRT13	IF LOWER 18 BITS ARE ZERO, TEXT TYPE	COMCSRT	COMCSRT	259	A	
14	COMCSRT		LX7	6		COMCSRT	COMCSRT	260	A	
15	COMCSRT		SB3	X7-1R		COMCSRT	COMCSRT	261	A	
16	COMCSRT		ZR	B3,SRT13	IF 8TH CHARACTER IS SPACE	COMCSRT	COMCSRT	262	A	
17	COMCSRT		SB2	0.DATA		COMCSRT	COMCSRT	263	A	
18	COMCSRT	*			SET NAME AND TYPE.	COMCSRT	COMCSRT	264	A	
19	COMCSRT	*			(X2) = RECORD NAME.	COMCSRT	COMCSRT	265	A	
20	COMCSRT	*			(B2) = RECORD TYPE.	COMCSRT	COMCSRT	266	A	
21	COMCSRT					COMCSRT	COMCSRT	267	A	
22	COMCSRT	SRT13	MX0	42		COMCSRT	COMCSRT	268	A	
23		-CPSA284						269		I
24	COMCSRT	SRT13	MX0	54			CPSA284	79	A	
25	COMCSRT		SX4	1R		COMCSRT	COMCSRT	270	A	
26	COMCSRT		BX7	X0*X2		COMCSRT	COMCSRT	271	A	
27	COMCSRT		LX4	12		COMCSRT	COMCSRT	272	A	
28	COMCSRT		MX2	6		COMCSRT	COMCSRT	273	A	
29	COMCSRT		LX2	-42		COMCSRT	COMCSRT	274	A	
30	COMCSRT					COMCSRT	COMCSRT	275	A	
31	COMCSRT	*			STRIP TRAILING SPACES FROM NAME.	COMCSRT	COMCSRT	276	A	
32	COMCSRT					COMCSRT	COMCSRT	277	A	
33	COMCSRT	SRT14	LX4	6		COMCSRT	COMCSRT	278	A	
34	COMCSRT		NG	X2,SRT15	IF END OF WORD	COMCSRT	COMCSRT	279	A	
35	COMCSRT		LX2	6		COMCSRT	COMCSRT	280	A	
36	COMCSRT		BX3	X2*X7		COMCSRT	COMCSRT	281	A	
37	COMCSRT		ZR	X3,SRT14	IF COLON OR NULL CHARACTER	COMCSRT	COMCSRT	282	A	
38	COMCSRT		BX6	X4-X3		COMCSRT	COMCSRT	283	A	
39	COMCSRT		NZ	X6,SRT15	IF NOT BLANK	COMCSRT	COMCSRT	284	A	
40	COMCSRT		BX7	-X2*X7	DELETE TRAILING BLANK	COMCSRT	COMCSRT	285	A	
41	COMCSRT		EQ	SRT14		COMCSRT	COMCSRT	286	A	
42	COMCSRT					COMCSRT	COMCSRT	287	A	
43	COMCSRT	SRT15	SX6	B2	TYPE	COMCSRT	COMCSRT	288		I
44		-CPSA284								
45	COMCSRT		IX6	X6+X7		COMCSRT	COMCSRT	289		I
46		-CPSA284								
47	COMCSRT	SRT15	MX0	42			CPSA284	80	A	
48	COMCSRT		SX6	B2	TYPE		CPSA284	81	A	
49	COMCSRT		BX3	X0*X7			CPSA284	82	A	
50	COMCSRT		IX6	X6+X3			CPSA284	83	A	
51	COMCSRT		NZ	X6,SRTX	IF NAME NOT ALL BLANKS, RETURN	COMCSRT	COMCSRT	290	A	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCSRT

COMCSRT	SX6	O.DATA	COMCSRT	COMCSRT	291	A
COMCSRT	EQ	SRTX	COMCSRT	COMCSRT	292	A
COMCSRT		RETURN	COMCSRT	COMCSRT	293	A
COMCSRT *	(X6) =	FIRST WORD OF PROGRAM.	COMCSRT	COMCSRT	294	A
COMCSRT			COMCSRT	COMCSRT	295	A
COMCSRT	SRT16	MX0 36	COMCSRT	COMCSRT	296	I
	-CPSA204					
COMCSRT	SRT16	MX0 30		CPSA204	44	A
COMCSRT		SA3 SRTB	COMCSRT	COMCSRT	297	A
COMCSRT		BX4 X0*X6	COMCSRT	COMCSRT	298	A
COMCSRT		SB2 O.UPL	COMCSRT	COMCSRT	299	A
COMCSRT		IX7 X4-X3	COMCSRT	COMCSRT	300	A
COMCSRT		MX0 12	COMCSRT	COMCSRT	301	A
COMCSRT	ZR	X7,SRT13 IF UPL	COMCSRT	COMCSRT	302	A
COMCSRT			COMCSRT	COMCSRT	303	A
COMCSRT **	CHECK FOR	*SDR* TYPE.	COMCSRT	COMCSRT	304	A
COMCSRT *	*SDR* TYPE	DEFINED AS A RECORD STARTING WITH A 50 TABLE.	COMCSRT	COMCSRT	305	A
COMCSRT			COMCSRT	COMCSRT	306	A
COMCSRT			COMCSRT	COMCSRT	307	A
COMCSRT			COMCSRT	COMCSRT	308	A
COMCSRT			COMCSRT	COMCSRT	309	I
	-CPSA104					
COMCSRT	NZ	B7,SRT1 IF NOT 50 TABLE	COMCSRT	COMCSRT	310	I
	-CPSA104					
COMCSRT	SB2	X1-5000B	CPSA104	CPSA104	37	A
COMCSRT	NZ	B2,SRT1 IF NOT 50 TABLE	CPSA104	CPSA104	38	A
COMCSRT	SA2	A1+B1 LOAD 77 TABLE NAME	COMCSRT	COMCSRT	311	A
COMCSRT	SB2	O.SDR	COMCSRT	COMCSRT	312	A
COMCSRT	EQ	SRT13	COMCSRT	COMCSRT	313	A
COMCSRT				CPSA257	6	A
COMCSRT **	CHECK FOR	*LEGAL* PIDL TABLE		CPSA257	7	A
COMCSRT *	LEGAL PIDL TABLE	HAS WC .GT. ZERO		CPSA257	8	A
COMCSRT				CPSA257	9	A
COMCSRT	SRT17	BX1 X6 SHIFT TO GET WORD COUNT		CPSA257	10	A
COMCSRT				CPSA257	11	A
COMCSRT				CPSA257	12	A
COMCSRT				CPSA257	13	A
COMCSRT	NZ	B3,SRT13 IF LEGAL PIDL, RELOCATABLE		CPSA257	14	A
COMCSRT	SB2	O.DATA IF NOT A LEGAL PIDL, MUST BE DATA		CPSA257	15	A
COMCSRT	EQ	SRT13		CPSA257	15	A
COMCSRT			COMCSRT	COMCSRT	314	A
COMCSRT	SRTA	CON 77000077770000B	COMCSRT	COMCSRT	315	A
COMCSRT	SRTB	CON 5LCHECK	COMCSRT	COMCSRT	316	A
COMCSRT	SRTC	CON 6L.PROC,	COMCSRT	COMCSRT	317	A
COMCSRT	SRTD	CON 10L*COMDECK		CPSA204	45	I
	-CPSA230					
COMCSRT	SRTE	CON 5L*YANK		CPSA204	46	I
	-CPSA230					
COMCSRT	SRTF	CON 5L*DECK		CPSA204	47	I
	-CPSA230					
COMCSRT	SRTD	CON 7LCOMDECK		CPSA230	31	A
COMCSRT	SRTE	CON 4LYANK		CPSA230	32	A
COMCSRT	SRTF	CON 4LDECK		CPSA230	33	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCSRT

COMCSRT	SRTG	CON	7LYANK\$\$\$	CPSA284	84	A	
COMCSRT	SRT	SPACE	4,10	COMCSRT	COMCSRT	318	A
COMCSRT		BASE	*	COMCSRT	COMCSRT	319	A
COMCSRT	QUAL\$	IF	-DEF,QUAL\$	COMCSRT	COMCSRT	320	A
COMCSRT		QUAL	*	COMCSRT	COMCSRT	321	A
COMCSRT	SRT	EQU	/COMCSRT/SRT	COMCSRT	COMCSRT	322	A
COMCSRT	SRT=	EQU	/COMCSRT/SRT	F4720D		14	A
COMCSRT	L.SRT	EQU	/COMCSRT/L.SRT	COMCSRT	COMCSRT	323	A
COMCSRT	QUAL\$	ENDIF		COMCSRT	COMCSRT	324	A
COMCSRT	SRT	ENDX		COMCSRT	COMCSRT	325	A

## SUMMARY OF UPDATE IDENTIFIERS WITHIN DECK - COMCSRT

IDENTIFIER	TOTAL	ACTIVE
COMCSRT	325	303
CPSA104	2	2
F4720A	24	21
F4720D	1	1
CPSA204	43	21
CPSA210	1	1
CPS0281	5	5
CPSA230	29	19
CPS0306	13	11
CPS0323	17	16
CPSA257	11	11
CPS0345	11	8
CPSA284	75	74
CPSA295	7	7

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCSST

COMCSST	*COMDECK	COMCSST	SHELL SORT TABLE.	COMCSST	COMCSST	1	A
COMCSST	SST	CTEXT	COMCSST - SHELL SORT TABLE.	COMCSST	COMCSST	2	A
COMCSST	SST	SPACE	4,10	COMCSST	COMCSST	3	A
COMCSST		IF	-DEF,QUAL\$,1	COMCSST	COMCSST	4	A
COMCSST		QUAL	COMCSST	COMCSST	COMCSST	5	A
COMCSST		BASE	D	COMCSST	COMCSST	6	A
COMCSST	SST	SPACE	4,10	COMCSST	COMCSST	7	A
COMCSST	***	SST	SHELL SORT TABLE.	COMCSST	COMCSST	8	A
COMCSST	*			COMCSST	COMCSST	9	A
COMCSST	*	R. HOTCHKISS.		COMCSST	COMCSST	10	A
COMCSST	*	L. A. LIDDIARD.		COMCSST	COMCSST	11	A
COMCSST	*	E. J. MUNDSTOCK.	70/10/07. UNIVERSITY OF MINNESOTA.	COMCSST	COMCSST	12	A
COMCSST	*			CPSA245		158	A
COMCSST	*	*****		CPSA245		159	A
COMCSST	*	* THIS COMMON DECK IS PART OF THE COMMON COMMON DECKS *		CPSA245		160	A
COMCSST	*	* RESIDING ON THE COMPASS PROGRAM LIBRARY, AND BEING *		CPSA245		161	A
COMCSST	*	* MAINTAINED BY THE COMPASS PROJECT. ANY CHANGES *		CPSA245		162	A
COMCSST	*	* REQUIRED SHOULD BE DIRECTED TO THE COMPASS PROJECT *		CPSA245		163	A
COMCSST	*	* THROUGH THE PROPER PROCEDURE. *		CPSA245		164	A
COMCSST	*	*****		CPSA245		165	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCSST

	COMCSST	*				CPSA245	166	A	
1	COMCSST	*				COMCSST	COMCSST	13	A
2	COMCSST	*	SST SORTS A TABLE USING A SHELL SORTING TECHNIQUE.			COMCSST	COMCSST	14	A
3	COMCSST	SST	SPACE 4,10			COMCSST	COMCSST	15	A
4	COMCSST	***	SST SORTS A TABLE OF ONE-WORD ENTRIES INTO ASCENDING ORDER.			COMCSST	COMCSST	16	A
5	COMCSST	*	ALL ENTRIES SHOULD BE OF THE SAME SIGN.			COMCSST	COMCSST	17	A
6	COMCSST	*				COMCSST	COMCSST	18	A
7	COMCSST	*	ORIGIN OF TECHNIQUE IS *COMMUNICATIONS OF THE ACM*			COMCSST	COMCSST	19	A
8	COMCSST	*	VOLUME 6, NUMBER 5 (MAY 1963), PAGE 209.			COMCSST	COMCSST	20	A
9	COMCSST	*				COMCSST	COMCSST	21	A
10	COMCSST	*	ENTRY (B1) = 1.			COMCSST	COMCSST	22	A
11	COMCSST	*	(B7) = ADDRESS OF TABLE TO BE SORTED.			COMCSST	COMCSST	23	A
12	COMCSST	*	(X1) = NUMBER OF ELEMENTS IN ARRAY.			COMCSST	COMCSST	24	A
13	COMCSST	*				COMCSST	COMCSST	25	A
14	COMCSST	*	EXIT TABLE SORTED.			COMCSST	COMCSST	26	A
15	COMCSST	*				COMCSST	COMCSST	27	A
16	COMCSST	*	USES X - 1, 2, 3, 4, 6, 7.			COMCSST	COMCSST	28	A
17	COMCSST	*	B - 2, 3, 4, 5.			COMCSST	COMCSST	29	A
18	COMCSST	*	A - 1, 2, 6, 7.			COMCSST	COMCSST	30	A
19	COMCSST	*				COMCSST	COMCSST	31	A
20	COMCSST	*	CALLS NONE.			COMCSST	COMCSST	32	A
21	COMCSST					COMCSST	COMCSST	33	A
22	COMCSST					COMCSST	COMCSST	34	A
23	COMCSST	SST1	SA7	B5-B4	T(J+K) = S	COMCSST	COMCSST	35	A
24	COMCSST		SB2	B2+B1	I = I+1	COMCSST	COMCSST	36	A
25	COMCSST		EQ	B2,B3,SST4	IF END OF TABLE	COMCSST	COMCSST	37	A
26	COMCSST	SST2	SA2	B2	S = T(I)	COMCSST	COMCSST	38	A
27	COMCSST		NO			COMCSST	COMCSST	39	A
28	COMCSST		SB5	B2+B4	J = I-K	COMCSST	COMCSST	40	A
29	COMCSST		BX7	X2		COMCSST	COMCSST	41	A
30	COMCSST	SST3	SA1	B5	T(J)	COMCSST	COMCSST	42	A
31	COMCSST		IX3	X2-X1	COMPARE S AND T(J)	COMCSST	COMCSST	43	A
32	COMCSST		PL	X3,SST1	IF ELEMENTS IN ORDER	COMCSST	COMCSST	44	A
33	COMCSST		BX6	X1	T(J+K) = T(J)	COMCSST	COMCSST	45	A
34	COMCSST		SB5	B5+B4	J = J-K	COMCSST	COMCSST	46	A
35	COMCSST		SA6	A1-B4		COMCSST	COMCSST	47	A
36	COMCSST		GE	B5,B7,SST3	IF J .NE. FIRST	COMCSST	COMCSST	48	A
37	COMCSST		EQ	SST1		COMCSST	COMCSST	49	A
38	COMCSST					COMCSST	COMCSST	50	A
39	COMCSST					COMCSST	COMCSST	51	A
40	COMCSST	SST4	AX4	1	K = K/2	COMCSST	COMCSST	52	A
41	COMCSST		NO			COMCSST	COMCSST	53	A
42	COMCSST		SB4	X4	(B4) = -K	COMCSST	COMCSST	54	A
43	COMCSST		SB2	B7-B4	I = FIRST+K	COMCSST	COMCSST	55	A
44	COMCSST		NZ	X4,SST2	IF K .NE. 0	COMCSST	COMCSST	56	A
45	COMCSST					COMCSST	COMCSST	57	A
46	COMCSST	SST	SUBR		ENTRY/EXIT	COMCSST	COMCSST	58	A
47	COMCSST		MX4	12	K = 2*(ENTIER(LOG2(COUNT))+1)	COMCSST	COMCSST	59	A
48	COMCSST		SB3	B7+X1	(B3) = LAST+1	COMCSST	COMCSST	60	A
49	COMCSST		NX6,B2	X1		COMCSST	COMCSST	61	A
50	COMCSST		AX4	X4,B2		COMCSST	COMCSST	62	A
51	COMCSST		EQ	SST4	ENTER SORT LOOP	COMCSST	COMCSST	63	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCSST

COMCSST	SST	SPACE	4,10	COMCSST	COMCSST	64	A
COMCSST		BASE	*	COMCSST	COMCSST	65	A
COMCSST	QUAL\$	IF	-DEF,QUAL\$	COMCSST	COMCSST	66	A
COMCSST		QUAL	*	COMCSST	COMCSST	67	A
COMCSST	SST	EQU	/COMCSST/SST	COMCSST	COMCSST	68	A
COMCSST	SST=	EQU	/COMCSST/SST		F4720D	15	A
COMCSST	QUAL\$	ENDIF		COMCSST	COMCSST	69	A
COMCSST	SST	ENDX		COMCSST	COMCSST	70	A

## SUMMARY OF UPDATE IDENTIFIERS WITHIN DECK - COMCSST

IDENTIFIER	TOTAL	ACTIVE
COMCSST	70	70
F4720D	1	1
CPSA245	9	9

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCSTF

COMCSTF	*COMDECK	COMCSTF	SET TERMINAL FILE.	COMCSTF	COMCSTF	1	A
COMCSTF	STF	CTEXT	COMCSTF - SET TERMINAL FILE.	COMCSTF	COMCSTF	2	A
COMCSTF	STF	SPACE	4,10	COMCSTF	COMCSTF	3	A
COMCSTF		IF	-DEF,QUAL\$,1	COMCSTF	COMCSTF	4	A
COMCSTF		QUAL	COMCSTF	COMCSTF	COMCSTF	5	A
COMCSTF		BASE	D	COMCSTF	COMCSTF	6	A
COMCSTF	*	COMMENT	COPYRIGHT CONTROL DATA CORP. 1971, 1978.	COMCSTF	COMCSTF	7	A
COMCSTF	STF	SPACE	4,10	COMCSTF	COMCSTF	8	A
COMCSTF	***	STF	- SET TERMINAL FILE.	COMCSTF	COMCSTF	9	A
COMCSTF	*			COMCSTF	COMCSTF	10	A
COMCSTF	*	J. L. WARDELL.	71/01/29.	COMCSTF	COMCSTF	11	A
COMCSTF	*	R. E. TATE.	73/04/08.	COMCSTF	COMCSTF	12	A
COMCSTF	*	G. M. TOWNSEND.	77/05/26.	COMCSTF	COMCSTF	13	A
COMCSTF	*	C. J. CONRAD.	81/08/06.		CPSA244	6	A
COMCSTF	*				CPSA244	7	A
COMCSTF	*	*****			CPSA244	8	A
COMCSTF	*	* THIS COMMON DECK IS PART OF THE COMMON COMMON DECKS *			CPSA244	9	A
COMCSTF	*	* RESIDING ON THE COMPASS PROGRAM LIBRARY, AND BEING *			CPSA244	10	A
COMCSTF	*	* MAINTAINED BY THE COMPASS PROJECT. ANY CHANGES *			CPSA244	11	A
COMCSTF	*	* REQUIRED SHOULD BE DIRECTED TO THE COMPASS PROJECT *			CPSA244	12	A
COMCSTF	*	* THROUGH THE PROPER PROCEDURE. *			CPSA244	13	A
COMCSTF	*	*****			CPSA244	14	A
COMCSTF	*				CPSA244	15	A
COMCSTF	*			COMCSTF	COMCSTF	14	A
COMCSTF	*	STF DETERMINES WHETHER A FILE IS ASSIGNED TO AN INTERACTIVE		COMCSTF	COMCSTF	15	A
COMCSTF	*	TERMINAL.		COMCSTF	COMCSTF	16	A
COMCSTF	STF	SPACE	4,10	COMCSTF	COMCSTF	17	A
COMCSTF	***	STF	DETECTS IF A FILE IS ASSIGNED TO A TERMINAL.	COMCSTF	COMCSTF	18	A
COMCSTF	*			COMCSTF	COMCSTF	19	A
COMCSTF	*	ENTRY	(X2) = ADDRESS OF FET.	COMCSTF	COMCSTF	20	A
COMCSTF	*		(B1) = 1.	COMCSTF	COMCSTF	21	A
COMCSTF	*		FET MUST BE GREATER THAN FIVE WORDS IN LENGTH.	COMCSTF	COMCSTF	22	A
COMCSTF	*			COMCSTF	COMCSTF	23	A

[illegible]

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCSTF

COMCSTF \* EXIT (X6) = 0 IF FILE IS TERMINAL FILE.

COMCSTF COMCSTF 24 A

COMCSTF \* (X2) = ADDRESS OF FET.

COMCSTF COMCSTF 25 A

COMCSTF \* USES A - 1, 4.

COMCSTF COMCSTF 26 A

COMCSTF \* -CPSA244

COMCSTF COMCSTF 27 I

COMCSTF \* USES A - 1, 4, 6.

COMCSTF CPSA244 16 A

COMCSTF \* B - NONE.

COMCSTF COMCSTF 28 A

COMCSTF \* X - 1, 3, 4, 6.

COMCSTF COMCSTF 29 A

COMCSTF \* CALLS CIO=.

COMCSTF COMCSTF 30 A

COMCSTF \* -CPS0303

COMCSTF COMCSTF 31 I

COMCSTF \* MACROS OPEN.

COMCSTF CPS0303 9 A

COMCSTF

COMCSTF COMCSTF 32 A

COMCSTF STF SUBR ENTRY/EXIT

COMCSTF COMCSTF 33 A

COMCSTF SA1 X2 CHECK FILE NAME AND STATUS

COMCSTF COMCSTF 34 A

COMCSTF SX6 1

CPSA244 17 A

COMCSTF BX6 X6+X1 SET PREVIOUS STATUS COMPLETE

CPSA244 18 A

COMCSTF ZR X1,STFX IF NULL FILE, RETURN

CPSA244 19 A

COMCSTF SA6 STFA SAVE FET STATUS

CPSA244 20 A

COMCSTF OPEN X2,ALTERNR,R

COMCSTF COMCSTF 21 A

COMCSTF SA1 X2+B1

COMCSTF COMCSTF 35 A

COMCSTF -CPSA244

COMCSTF COMCSTF 36 I

COMCSTF -CPSA244

COMCSTF COMCSTF 37 I

COMCSTF SA1 STFA RESTORE PREVIOUS FUNCTION CODE

CPSA244 22 A

COMCSTF MX3 -12

CPSA244 23 A

COMCSTF BX6 X1

CPSA244 24 A

COMCSTF SA1 X2+B1

CPSA244 25 A

COMCSTF SA6 X2

CPSA244 26 A

COMCSTF LX1 -48

COMCSTF COMCSTF 38 A

COMCSTF BX4 -X3\*X1

COMCSTF COMCSTF 39 A

COMCSTF SX6 X4-2RTT CHECK FOR DEVICE TYPE \*TT\*

COMCSTF COMCSTF 40 A

COMCSTF ZR X6,STFX

COMCSTF COMCSTF 41 A

COMCSTF AX4 6

COMCSTF COMCSTF 42 A

COMCSTF SX6 X4-61B CHECK FOR DEVICE TYPE 61B

COMCSTF COMCSTF 43 A

COMCSTF EQ STFX RETURN

COMCSTF COMCSTF 44 A

COMCSTF STFA CON 0 SAVE FET FUNCTION CODE

CPSA244 27 A

COMCSTF STF SPACE 4,10

CPSA244 28 A

COMCSTF BASE \*

COMCSTF COMCSTF 45 A

COMCSTF QUAL\$ IF -DEF,QUAL\$

COMCSTF COMCSTF 46 A

COMCSTF QUAL \*

COMCSTF COMCSTF 47 A

COMCSTF STF EQU /COMCSTF/STF

COMCSTF COMCSTF 48 A

COMCSTF STF= EQU /COMCSTF/STF

COMCSTF COMCSTF 49 A

COMCSTF QUAL\$ ENDIF

COMCSTF COMCSTF 50 A

COMCSTF STF ENDX

COMCSTF COMCSTF 51 A

## SUMMARY OF UPDATE IDENTIFIERS WITHIN DECK - COMCSTF

IDENTIFIER TOTAL ACTIVE

0 1 2 3 4 5 6 7 8  
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCSTF

COMCSTF	51	47
F4720D	1	1
CPS0303	1	1
CPSA244	23	23

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCSVR

COMCSVR	*COMDECK	COMCSVR	SAVE REGISTERS.	COMCSVR	COMCSVR	1	A
COMCSVR	SVR	CTEXT	COMCSVR - SAVE ALL REGISTERS.	COMCSVR	COMCSVR	2	A
COMCSVR	SVR	SPACE	4,10	COMCSVR	COMCSVR	3	A
COMCSVR		IF	-DEF,QUAL\$,1	COMCSVR	COMCSVR	4	A
COMCSVR		QUAL	COMCSVR	COMCSVR	COMCSVR	5	A
COMCSVR		BASE	D	COMCSVR	COMCSVR	6	A
COMCSVR	*	COMMENT	COPYRIGHT CONTROL DATA CORPORATION. 1978.	COMCSVR	COMCSVR	7	A
COMCSVR	SVR	SPACE	4,10	COMCSVR	COMCSVR	8	A
COMCSVR	***	SVR	- SAVE ALL REGISTERS.	COMCSVR	COMCSVR	9	A
COMCSVR	*			COMCSVR	COMCSVR	10	A
COMCSVR	*	AUTHOR UNKNOWN.	CIRCA 1971.	CPSA104	CPSA104	39	A
COMCSVR	*	P. C. TAM.	77/06/18.	COMCSVR	COMCSVR	11	A
COMCSVR	*			COMCSVR	COMCSVR	12	A
COMCSVR	*	SVR	SAVES ALL REGISTERS IN A SPECIFIED REGISTER SAVE AREA.	COMCSVR	COMCSVR	13	A
COMCSVR	*			CPSA245		167	A
COMCSVR	*	*****		CPSA245		168	A
COMCSVR	*	* THIS COMMON DECK IS PART OF THE COMMON COMMON DECKS *		CPSA245		169	A
COMCSVR	*	* RESIDING ON THE COMPASS PROGRAM LIBRARY, AND BEING *		CPSA245		170	A
COMCSVR	*	* MAINTAINED BY THE COMPASS PROJECT. ANY CHANGES *		CPSA245		171	A
COMCSVR	*	* REQUIRED SHOULD BE DIRECTED TO THE COMPASS PROJECT *		CPSA245		172	A
COMCSVR	*	* THROUGH THE PROPER PROCEDURE. *		CPSA245		173	A
COMCSVR	*	*****		CPSA245		174	A
COMCSVR	*			CPSA245		175	A
COMCSVR	SVR	SPACE	4,10	COMCSVR	COMCSVR	14	A
COMCSVR	***	SVR	SAVES ALL REGISTERS IN A SPECIFIED REGISTER SAVE AREA.	COMCSVR	COMCSVR	15	A
COMCSVR	*	THE REGISTERS ARE SAVED IN THE FOLLOWING ORDER -		COMCSVR	COMCSVR	16	A
COMCSVR	*	B0, B1, ..., B7, A0, A1, ..., A7, X0, X1, ..., X7.		COMCSVR	COMCSVR	17	A
COMCSVR	*	EACH REGISTER OCCUPIES A FULL WORD WITH B AND A REGISTER		COMCSVR	COMCSVR	18	A
COMCSVR	*	VALUES IN BITS 17-0. B AND A REGISTERS ARE SIGN EXTENDED.		COMCSVR	COMCSVR	19	A
COMCSVR	*	MINUS ZERO (-0) IS PRESERVED IN ALL REGISTERS.		COMCSVR	COMCSVR	20	A
COMCSVR	*			COMCSVR	COMCSVR	21	A
COMCSVR	*	ENTRY	BITS 17-0 OF THE WORD FROM WHICH SVR= WAS CALLED	COMCSVR	COMCSVR	22	A
COMCSVR	*		CONTAIN THE ADDRESS OF THE REGISTER SAVE AREA.	COMCSVR	COMCSVR	23	A
COMCSVR	*			COMCSVR	COMCSVR	24	A
COMCSVR	*	EXIT	(SAVE - SAVE+7) = B REGISTERS.	COMCSVR	COMCSVR	25	A
COMCSVR	*		(SAVE+8 - SAVE+15) = A REGISTERS.	COMCSVR	COMCSVR	26	A
COMCSVR	*		(SAVE+16 - SAVE+23) = X REGISTERS.	COMCSVR	COMCSVR	27	A
COMCSVR	*			COMCSVR	COMCSVR	28	A
COMCSVR	*	USES	A - 0, 1, 2, 3, 4, 5, 6, 7.	COMCSVR	COMCSVR	29	A
COMCSVR	*		B - 1, 2, 3, 4, 5, 6, 7.	COMCSVR	COMCSVR	30	A
COMCSVR	*		X - 0, 1, 2, 3, 4, 5, 6, 7.	COMCSVR	COMCSVR	31	A
COMCSVR	*			COMCSVR	COMCSVR	32	A
COMCSVR	*	CALLS	NONE.	COMCSVR	COMCSVR	33	A
COMCSVR				COMCSVR	COMCSVR	34	A
COMCSVR				COMCSVR	COMCSVR	35	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCSVR

COMCSVR	SAVEB	EQU	0	COMCSVR	COMCSVR	36	A
COMCSVR	SAVEA	EQU	8	COMCSVR	COMCSVR	37	A
COMCSVR	SAVEX	EQU	16	COMCSVR	COMCSVR	38	A
COMCSVR				COMCSVR	COMCSVR	39	A
COMCSVR	SVR	SUBR	ENTRY/EXIT				
COMCSVR				COMCSVR	COMCSVR	40	A
COMCSVR	*	CHECK FOR (B1) = 1. IF NOT, SAVE (B1) THE HARD WAY BY					A
COMCSVR	*	EXECUTING THE RJ SEQUENCE AT *SVR2*. IF BIT					A
COMCSVR	*	2**N WAS ON IN (B1), THEN THE *RJ* AT (SVR2+2*N+1) WILL BE					A
COMCSVR	*	EXECUTED, RESULTING IN AN /EQ SVR2+2*N+1/. IF BIT 2**N WAS					A
COMCSVR	*	NOT ON IN (B1), THEN THE *RJ* WILL NOT BE EXECUTED. BY					A
COMCSVR	*	QUERYING (SVR2+2*N+1), ONE CAN DETERMINE WHETHER OR NOT THE					A
COMCSVR	*	BIT 2**N WAS ON IN (B1) BY THE PRESENCE OF AN *EQ* OR AN *RJ*					A
COMCSVR	*	INSTRUCTION.					A
COMCSVR				COMCSVR	COMCSVR	49	A
COMCSVR				COMCSVR	COMCSVR	50	A
COMCSVR		MI	B1,SVR2	IF (B1) .LE. 0 (PRESERVE -0)			
COMCSVR		SB1	B1-1	COMCSVR	COMCSVR	51	A
COMCSVR		ZR	B1,SVR4	IF (B1) = 1			
COMCSVR		SB1	B1+1	RESTORE (B1)			
COMCSVR				COMCSVR	COMCSVR	52	A
COMCSVR	*	*RJ* SEQUENCE FOR SAVING (B1).					A
COMCSVR				COMCSVR	COMCSVR	53	A
COMCSVR				COMCSVR	COMCSVR	54	A
COMCSVR	SVR2	PL	B1,*+2	COMCSVR	COMCSVR	55	A
COMCSVR	+	RJ	*	COMCSVR	COMCSVR	56	A
COMCSVR	B.NE.1	DUP	17	COMCSVR	COMCSVR	57	A
COMCSVR	+	SB1	B1+B1	COMCSVR	COMCSVR	58	A
COMCSVR		NO		COMCSVR	COMCSVR	59	A
COMCSVR		PL	B1,*+2	COMCSVR	COMCSVR	60	A
COMCSVR	+	RJ	*	COMCSVR	COMCSVR	61	A
COMCSVR	B.NE.1	ENDD		COMCSVR	COMCSVR	62	A
COMCSVR				COMCSVR	COMCSVR	63	A
COMCSVR	*	FILLER BECAUSE RJ-S MUST BE 2 WORDS APART FOR RESTORE.					A
COMCSVR				COMCSVR	COMCSVR	64	A
COMCSVR	+	SB0	B0+	COMCSVR	COMCSVR	65	A
COMCSVR	SVR3	RJ	*	COMCSVR	COMCSVR	66	A
COMCSVR				COMCSVR	COMCSVR	67	A
COMCSVR	*	(B1) = 1/(B1) .NE. 1 FLAG					A
COMCSVR				COMCSVR	COMCSVR	70	A
COMCSVR	*	SAVE	(A) - 4,5,6,7.	COMCSVR	COMCSVR	71	A
COMCSVR	*		(X) - 4,5,6,7.	COMCSVR	COMCSVR	72	A
COMCSVR				COMCSVR	COMCSVR	73	A
COMCSVR	SVR4	SB1	A7-B0	COMCSVR	COMCSVR	74	A
COMCSVR		SA7	SVRA	COMCSVR	COMCSVR	75	A
COMCSVR		SX7	A5-B0	COMCSVR	COMCSVR	76	A
COMCSVR		SA7	SVRB	COMCSVR	COMCSVR	77	A
COMCSVR				COMCSVR	COMCSVR	78	A
COMCSVR		BX7	X5	COMCSVR	COMCSVR	79	A
COMCSVR		SA7	SVRC	COMCSVR	COMCSVR	80	A
COMCSVR		SA5	SVRX	COMCSVR	COMCSVR	81	A
COMCSVR				COMCSVR	COMCSVR	82	A
COMCSVR		LX5	30	COMCSVR	COMCSVR	83	A
COMCSVR		SA5	X5-1	COMCSVR	COMCSVR	84	A
COMCSVR		SX7	B1-B0	COMCSVR	COMCSVR	85	A
COMCSVR		SB1	1	COMCSVR	COMCSVR	86	A
COMCSVR		SA7	X5+SAVEA+7	COMCSVR	COMCSVR	87	A
COMCSVR		SX7	A6-B0	COMCSVR	COMCSVR		

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCSVR

COMCSVR	SA6	X5+SAVEX+6	(X6) TO SAVE AREA	COMCSVR	COMCSVR	88	A
COMCSVR	SA7	A7-B1	(A6) TO SAVE AREA	COMCSVR	COMCSVR	89	A
COMCSVR	BX6	X4		COMCSVR	COMCSVR	90	A
COMCSVR	SX7	A4-B0		COMCSVR	COMCSVR	91	A
COMCSVR	SA6	A6-2	(X4) TO SAVE AREA	COMCSVR	COMCSVR	92	A
COMCSVR	SA7	A7-2	(A4) TO SAVE AREA	COMCSVR	COMCSVR	93	A
COMCSVR				COMCSVR	COMCSVR	94	A
COMCSVR *	SAVE	(A) - 0,1,2,3.		COMCSVR	COMCSVR	95	A
COMCSVR *		(X) - 0,1,2,3.		COMCSVR	COMCSVR	96	A
COMCSVR				COMCSVR	COMCSVR	97	A
COMCSVR SV=AX	ECHO	,N=(3,2,1,0)		COMCSVR	COMCSVR	98	A
COMCSVR	BX6	X.N		COMCSVR	COMCSVR	99	A
COMCSVR	SX7	A.N-B0		COMCSVR	COMCSVR	100	A
COMCSVR	SA6	A6-B1	(X.N) TO SAVE AREA	COMCSVR	COMCSVR	101	A
COMCSVR	SA7	A7-B1	(A.N) TO SAVE AREA	COMCSVR	COMCSVR	102	A
COMCSVR SV=AX	ENDD			COMCSVR	COMCSVR	103	A
COMCSVR				COMCSVR	COMCSVR	104	A
COMCSVR *	SAVE	(X7), (A5), (X5) FINALLY.		COMCSVR	COMCSVR	105	A
COMCSVR				COMCSVR	COMCSVR	106	A
COMCSVR	SA2	SVRA	(X2) = SAVED (X7)	COMCSVR	COMCSVR	107	A
COMCSVR	SA3	SVRB	(X3) = SAVED (A5)	COMCSVR	COMCSVR	108	A
COMCSVR	SA4	SVRC	(X4) = SAVED (X5)	COMCSVR	COMCSVR	109	A
COMCSVR	BX6	X2		COMCSVR	COMCSVR	110	A
COMCSVR	LX7	X3		COMCSVR	COMCSVR	111	A
COMCSVR	SA6	X5+SAVEX+7	(X7) TO SAVE AREA	COMCSVR	COMCSVR	112	A
COMCSVR	SA7	X5+SAVEA+5	(A5) TO SAVE AREA	COMCSVR	COMCSVR	113	A
COMCSVR	BX6	X4		COMCSVR	COMCSVR	114	A
COMCSVR	SA6	X5+SAVEX+5	(X5) TO SAVE AREA	COMCSVR	COMCSVR	115	A
COMCSVR				COMCSVR	COMCSVR	116	A
COMCSVR *	SAVE	(B) - 0,1,2,3,4,5,6,7.		COMCSVR	COMCSVR	117	A
COMCSVR				COMCSVR	COMCSVR	118	A
COMCSVR	BX6	X6-X6		COMCSVR	COMCSVR	119	A
COMCSVR	SA6	X5+SAVEB+0	(B0) = 0 TO SAVE AREA	COMCSVR	COMCSVR	120	A
COMCSVR	SX7	B1		COMCSVR	COMCSVR	121	A
COMCSVR	SA7	A6+B1		COMCSVR	COMCSVR	122	A
COMCSVR SV=B	ECHO	,U=(2,4,6),L=(3,5,7)		COMCSVR	COMCSVR	123	A
COMCSVR	SX6	B.U-B0		COMCSVR	COMCSVR	124	A
COMCSVR	SX7	B.L-B0		COMCSVR	COMCSVR	125	A
COMCSVR	SA6	A7+B1		COMCSVR	COMCSVR	126	A
COMCSVR	SA7	A6+B1		COMCSVR	COMCSVR	127	A
COMCSVR SV=B	ENDD			COMCSVR	COMCSVR	128	A
COMCSVR				COMCSVR	COMCSVR	129	A
COMCSVR *	SAVE	(B1).		COMCSVR	COMCSVR	130	A
COMCSVR				COMCSVR	COMCSVR	131	A
COMCSVR	SA5	SVR3	(X5) = (B1) = 1/(B1) .NE. 1 FLAG	COMCSVR	COMCSVR	132	A
COMCSVR	SX4	0100B	(X4) = *RJ* OP CODE	COMCSVR	COMCSVR	133	A
COMCSVR	SX3	B1		COMCSVR	COMCSVR	134	A
COMCSVR	LX3	42-0-1	BIT FOR RECONSTRUCTION OF B1	COMCSVR	COMCSVR	135	A
COMCSVR	SX6	A5		COMCSVR	COMCSVR	136	A
COMCSVR	LX4	29-11		COMCSVR	COMCSVR	137	A
COMCSVR	BX6	X4+X6	(X6) = 30/0, 30/RJ *	COMCSVR	COMCSVR	138	A
COMCSVR	LX6	59-29		COMCSVR	COMCSVR	139	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCSVR

COMCSVR	SA6	A5	RESTORE RJ	*	COMCSVR	COMCSVR	140	A
COMCSVR	LX5	59-56			COMCSVR	COMCSVR	141	A
COMCSVR	BX7	X7-X7			COMCSVR	COMCSVR	142	A
COMCSVR	PL	X5,SVRX	IF (B1) = 1, RETURN		COMCSVR	COMCSVR	143	A
COMCSVR	SB2	B1+B1			COMCSVR	COMCSVR	144	A
COMCSVR					COMCSVR	COMCSVR	145	A
COMCSVR *		ASSEMBLE ORIGINAL (B1) INTO (X7).			COMCSVR	COMCSVR	146	A
COMCSVR					COMCSVR	COMCSVR	147	A
COMCSVR SVR5	SA5	A5-B2			COMCSVR	COMCSVR	148	A
COMCSVR	IX3	X3+X3			COMCSVR	COMCSVR	149	A
COMCSVR	SX6	A5			COMCSVR	COMCSVR	150	A
COMCSVR	LX5	59-56			COMCSVR	COMCSVR	151	A
COMCSVR	BX6	X4+X6	(X6) = 30/0, 30/RJ *		COMCSVR	COMCSVR	152	A
COMCSVR	PL	X5,SVR6	IF BIT WAS CLEAR		COMCSVR	COMCSVR	153	A
COMCSVR	BX7	X7+X3			COMCSVR	COMCSVR	154	A
COMCSVR SVR6	LX6	59-29	RESTORE RJ *		COMCSVR	COMCSVR	155	A
COMCSVR	SA6	A5			COMCSVR	COMCSVR	156	A
COMCSVR	PL	X3,SVR5	IF MORE BITS TO ASSEMBLE		COMCSVR	COMCSVR	157	A
COMCSVR					COMCSVR	COMCSVR	158	A
COMCSVR *		FINALLY SAVE (B1).			COMCSVR	COMCSVR	159	A
COMCSVR					COMCSVR	COMCSVR	160	A
COMCSVR	AX7	42	SIGN EXTEND		COMCSVR	COMCSVR	161	A
COMCSVR	SA7	A7-7+1	(B1) TO SAVE AREA		COMCSVR	COMCSVR	162	A
COMCSVR	EQ	SVRX	RETURN		COMCSVR	COMCSVR	163	A
COMCSVR					COMCSVR	COMCSVR	164	A
COMCSVR *		TEMPORARY SAVE AREAS.			COMCSVR	COMCSVR	165	A
COMCSVR					COMCSVR	COMCSVR	166	A
COMCSVR SVRA	BSS	1	SAVE FOR (X7)		COMCSVR	COMCSVR	167	A
COMCSVR SVRB	BSS	1	SAVE FOR (A5)		COMCSVR	COMCSVR	168	A
COMCSVR SVRC	BSS	1	SAVE FOR (X5)		COMCSVR	COMCSVR	169	A
COMCSVR SVR	SPACE	4,10			COMCSVR	COMCSVR	170	A
COMCSVR	BASE	*			COMCSVR	COMCSVR	171	A
COMCSVR QUAL\$	IF	-DEF,QUAL\$			COMCSVR	COMCSVR	172	A
COMCSVR	QUAL	*			COMCSVR	COMCSVR	173	A
COMCSVR SVR	EQU	/COMCSVR/SVR			COMCSVR	COMCSVR	174	A
COMCSVR SVR=	EQU	/COMCSVR/SVR				F4720D	17	A
COMCSVR QUAL\$	ENDIF				COMCSVR	COMCSVR	175	A
COMCSVR SVR	ENDX				COMCSVR	COMCSVR	176	A

## SUMMARY OF UPDATE IDENTIFIERS WITHIN DECK - COMCSVR

IDENTIFIER	TOTAL	ACTIVE
COMCSVR	176	176
CPSA104	1	1
F4720D	1	1
CPSA245	9	9

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCSYS

COMCSYS	*COMDECK	COMCSYS	PROCESS SYSTEM REQUEST.	COMCSYS	COMCSYS	1	A
COMCSYS	SYS	CTEXT	COMCSYS - PROCESS SYSTEM REQUEST.	COMCSYS	COMCSYS	2	A

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## 14121HE

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCSYS

COMCSYS	WNB	SPACE 4,10	COMCSYS	COMCSYS	94	A
COMCSYS	***	ENTRY (X2) = ADDRESS OF STATUS WORD.	COMCSYS	COMCSYS	95	A
COMCSYS	*		COMCSYS	COMCSYS	96	A
COMCSYS	*	EXIT RETURN WHEN BIT 0 OF STATUS WORD IS SET.	COMCSYS	COMCSYS	97	A
COMCSYS	*		COMCSYS	COMCSYS	98	A
COMCSYS	*	USES A - 1.	COMCSYS	COMCSYS	99	A
COMCSYS	*	X - 1, 6.	COMCSYS	COMCSYS	100	A
COMCSYS	*		COMCSYS	COMCSYS	101	A
COMCSYS	*	CALLS NONE.	COMCSYS	COMCSYS	102	I
COMCSYS	-CPS0303					
COMCSYS	*	MACROS SYSTEM.		CPS0303	11	A
COMCSYS			COMCSYS	COMCSYS	103	A
COMCSYS			COMCSYS	COMCSYS	104	A
COMCSYS	WNB2	LX1 40 SET AUTO RECALL FLAG	COMCSYS	COMCSYS	105	A
COMCSYS		IX6 X6+X1	COMCSYS	COMCSYS	106	A
COMCSYS		SYSTEM PROCESS REQUEST	COMCSYS	COMCSYS	107	A
COMCSYS			COMCSYS	COMCSYS	108	A
COMCSYS	WNB=	SUBR ENTRY/EXIT	COMCSYS	COMCSYS	109	A
COMCSYS		SX6 3RRCL FORM RECALL REQUEST	COMCSYS	COMCSYS	110	A
COMCSYS		LX6 42	COMCSYS	COMCSYS	111	A
COMCSYS		IX6 X6+X2	COMCSYS	COMCSYS	112	A
COMCSYS	WNB1	SA1 X6 CHECK STATUS WORD	COMCSYS	COMCSYS	113	A
COMCSYS		LX1 59	COMCSYS	COMCSYS	114	A
COMCSYS		MI X1,WNBX IF COMPLETE BIT SET, RETURN	COMCSYS	COMCSYS	115	I
COMCSYS	-CPSA104					
COMCSYS		ZR X1,WNBX IF BLANK STATUS, RETURN	COMCSYS	COMCSYS	116	I
COMCSYS	-CPSA104					
COMCSYS		MI X1,WNB= IF COMPLETE BIT SET, RETURN	CPSA104	CPSA104	41	A
COMCSYS		ZR X1,WNB= IF BLANK STATUS, RETURN	CPSA104	CPSA104	42	A
COMCSYS		SA1 RA.MTR WAIT (RA.MTR) CLEAR	COMCSYS	COMCSYS	117	A
COMCSYS		NZ X1,WNB1	COMCSYS	COMCSYS	118	A
COMCSYS		SX1 1 CONTINUE RECALL	COMCSYS	COMCSYS	119	A
COMCSYS		EQ WNB2	COMCSYS	COMCSYS	120	A
COMCSYS	MSG	SPACE 4,10	COMCSYS	COMCSYS	121	A
COMCSYS	***	MSG - SEND MESSAGE.	COMCSYS	COMCSYS	122	A
COMCSYS	*		COMCSYS	COMCSYS	123	A
COMCSYS	*	G. R. MANSFIELD. 70/09/12.	COMCSYS	COMCSYS	124	A
COMCSYS	*		COMCSYS	COMCSYS	125	A
COMCSYS	*	MSG FORMATS AND ISSUES A SYSTEM REQUEST TO SEND A DAYFILE	COMCSYS	COMCSYS	126	A
COMCSYS	*	MESSAGE.	COMCSYS	COMCSYS	127	A
COMCSYS	MSG	SPACE 4,10	COMCSYS	COMCSYS	128	A
COMCSYS	***	ENTRY (X1) = ADDRESS OF DATA.	COMCSYS	COMCSYS	129	A
COMCSYS	*	(X6) = MESSAGE OPTION(S).	COMCSYS	COMCSYS	130	A
COMCSYS	*	BIT 16 = AUTO RECALL (IF ON)	COMCSYS	COMCSYS	131	A
COMCSYS	*	BITS 11 - 0 = MESSAGE OPTION CODE.	COMCSYS	COMCSYS	132	A
COMCSYS	*		COMCSYS	COMCSYS	133	A
COMCSYS	*	EXIT RETURN WHEN OPERATION COMPLETE.	COMCSYS	COMCSYS	134	A
COMCSYS	*		COMCSYS	COMCSYS	135	A
COMCSYS	*	USES A - 1, 6.	COMCSYS	COMCSYS	136	A
COMCSYS	*	USES X - 1, 6.	COMCSYS	COMCSYS	137	A
COMCSYS	*		COMCSYS	COMCSYS	138	A
COMCSYS	*	CALLS NONE.	COMCSYS	COMCSYS	139	I

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCSYS

-CPS0303

COMCSYS	*	MACROS SYSTEM.				CPS0303	12	A
COMCSYS						COMCSYS COMCSYS	140	A
COMCSYS						COMCSYS COMCSYS	141	A
COMCSYS	MSG1	SX6	3RMSG*2	FORM MESSAGE REQUEST		COMCSYS COMCSYS	142	A
COMCSYS		BX6	X6+X1			COMCSYS COMCSYS	143	A
COMCSYS		LX6	40-59			COMCSYS COMCSYS	144	A
COMCSYS		SYSTEM		PROCESS REQUEST		COMCSYS COMCSYS	145	A
COMCSYS						COMCSYS COMCSYS	146	A
COMCSYS	MSG=	SUBR		ENTRY/EXIT		COMCSYS COMCSYS	147	A
COMCSYS		SX6	X6	THROW AWAY BIT 22 (OLD RECALL BIT)		COMCSYS COMCSYS	148	A
COMCSYS		LX6	24	MERGE OPTION(S) AND ADDRESS		COMCSYS COMCSYS	149	A
COMCSYS		BX1	X6+X1			COMCSYS COMCSYS	150	A
COMCSYS		SX6	X1			COMCSYS COMCSYS	151	A
COMCSYS		LX1	59-40			COMCSYS COMCSYS	152	A
COMCSYS		PL	X1,MSG1	IF NO AUTO RECALL		COMCSYS COMCSYS	153	A
COMCSYS		LX1	40-59			COMCSYS COMCSYS	154	A
COMCSYS		BX1	X1-X6	REMOVE MESSAGE ADDRESS		COMCSYS COMCSYS	155	A
COMCSYS		LX6	30			COMCSYS COMCSYS	156	A
COMCSYS		SA6	MSGA	STORE STATUS WORD		COMCSYS COMCSYS	157	A
COMCSYS		SX6	A6			COMCSYS COMCSYS	158	A
COMCSYS		IX1	X1+X6	SET INDIRECT ADDRESS		COMCSYS COMCSYS	159	A
COMCSYS		LX1	59-40			COMCSYS COMCSYS	160	A
COMCSYS		EQ	MSG1			COMCSYS COMCSYS	161	A
COMCSYS						COMCSYS COMCSYS	162	A
COMCSYS	MSGA	VFD	30/**,30/0	STATUS WORD FOR MESSAGE WITH AUTO RECALL		COMCSYS COMCSYS	163	A
COMCSYS	SYS	SPACE	4,10			COMCSYS COMCSYS	164	A
COMCSYS		BASE	*			COMCSYS COMCSYS	165	A
COMCSYS		CODE	*			COMCSYS COMCSYS	166	A
COMCSYS	QUAL\$	IF	-DEF,QUAL\$			COMCSYS COMCSYS	167	A
COMCSYS		QUAL	*			COMCSYS COMCSYS	168	A
COMCSYS	SYS=	EQU	/COMCSYS/SYS=			COMCSYS COMCSYS	169	A
COMCSYS	RCL=	EQU	/COMCSYS/RCL=			COMCSYS COMCSYS	170	A
COMCSYS	WNB=	EQU	/COMCSYS/WNB=			COMCSYS COMCSYS	171	A
COMCSYS	MSG=	EQU	/COMCSYS/MSG=			COMCSYS COMCSYS	172	A
COMCSYS	QUAL\$	ENDIF				COMCSYS COMCSYS	173	A
COMCSYS	SYS	ENDX				COMCSYS COMCSYS	174	A

## SUMMARY OF UPDATE IDENTIFIERS WITHIN DECK - COMCSYS

IDENTIFIER	TOTAL	ACTIVE
COMCSYS	174	168
CPSA104	3	3
CPS0303	3	3
CPSA245	9	9

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCUPC

COMCUPC	*COMDECK	COMCUPC	UNPACK CONTROL CARD.	COMCUPC	COMCUPC	1	A
COMCUPC	UPC	CTEXT	COMCUPC - UNPACK CONTROL CARD.	COMCUPC	COMCUPC	2	A
COMCUPC	UPC	SPACE	4,10	COMCUPC	COMCUPC	3	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCUPC

COMCUPC	IF	-DEF,QUAL\$,1	COMCUPC	COMCUPC	4	A
COMCUPC	QUAL	COMCUPC	COMCUPC	COMCUPC	5	A
COMCUPC	BASE	D	COMCUPC	COMCUPC	6	A
COMCUPC	*	COMMENT COPYRIGHT CONTROL DATA CORPORATION. 1970, 1978.	COMCUPC	COMCUPC	7	A
COMCUPC	UPC	SPACE 4,10	COMCUPC	COMCUPC	8	A
COMCUPC	***	UPC - UNPACK CONTROL CARD.	COMCUPC	COMCUPC	9	A
COMCUPC	*		COMCUPC	COMCUPC	10	A
COMCUPC	*	G. R. MANSFIELD. 70/12/12.	COMCUPC	COMCUPC	11	A
COMCUPC	*	P. C. TAM. 77/05/25.	COMCUPC	COMCUPC	12	A
COMCUPC	*		COMCUPC	CPSA245	185	A
COMCUPC	*	*****	COMCUPC	CPSA245	186	A
COMCUPC	*	* THIS COMMON DECK IS PART OF THE COMMON COMMON DECKS *	COMCUPC	CPSA245	187	A
COMCUPC	*	* RESIDING ON THE COMPASS PROGRAM LIBRARY, AND BEING *	COMCUPC	CPSA245	188	A
COMCUPC	*	* MAINTAINED BY THE COMPASS PROJECT. ANY CHANGES *	COMCUPC	CPSA245	189	A
COMCUPC	*	* REQUIRED SHOULD BE DIRECTED TO THE COMPASS PROJECT *	COMCUPC	CPSA245	190	A
COMCUPC	*	* THROUGH THE PROPER PROCEDURE. *	COMCUPC	CPSA245	191	A
COMCUPC	*	*****	COMCUPC	CPSA245	192	A
COMCUPC	*		COMCUPC	CPSA245	193	A
COMCUPC	*		COMCUPC	COMCUPC	13	A
COMCUPC	*	UPC UNPACKS A CONTROL CARD TO INDIVIDUAL PARAMETERS.	COMCUPC	COMCUPC	14	A
COMCUPC	UPC	SPACE 4,10	COMCUPC	COMCUPC	15	A
COMCUPC	***	UPC UNPACKS A CONTROL CARD TO INDIVIDUAL PARAMETERS.	COMCUPC	COMCUPC	16	A
COMCUPC	*	THE FOLLOWING CONDITIONS ARE NOTED.	COMCUPC	COMCUPC	17	A
COMCUPC	*	(1.) IF (B7) IS NEGATIVE ON ENTRY, A BLANK AFTER THE KEYWORD	COMCUPC	COMCUPC	18	A
COMCUPC	*	IS A SEPARATOR, OTHERWISE BLANKS ARE IGNORED.	COMCUPC	COMCUPC	19	A
COMCUPC	*	(2.) THE CHARACTERS +/-=,(\$ ARE CONSIDERED AS PARAMETER	COMCUPC	COMCUPC	20	A
COMCUPC	*	SEPARATORS.	COMCUPC	COMCUPC	21	A
COMCUPC	*	(3.) THE CHARACTERS ). ARE CONSIDERED AS THE TERMINATION OF	COMCUPC	COMCUPC	22	A
COMCUPC	*	THE CONTROL CARD.	COMCUPC	COMCUPC	23	A
COMCUPC	*	(4.) CHARACTERS WITH DISPLAY CODE VALUES 0, OR 60B - 77B	COMCUPC	COMCUPC	24	A
COMCUPC	*	ARE ILLEGAL BEFORE THE TERMINATOR.	COMCUPC	COMCUPC	25	A
COMCUPC	*	(5.) THE PARAMETER MUST CONTAIN 7 OR LESS CHARACTERS.	COMCUPC	COMCUPC	26	A
COMCUPC	*	(6.) THE PARAMETERS ARE STORED LEFT JUSTIFIED WITH ZERO	COMCUPC	COMCUPC	27	A
COMCUPC	*	FILL.	COMCUPC	COMCUPC	28	A
COMCUPC	*	(7.) THE SEPARATOR CHARACTER WILL BE PLACED IN THE	COMCUPC	COMCUPC	29	A
COMCUPC	*	LOWER 18 BITS OF THE PARAMETER UNLESS IT IS A *,*	COMCUPC	COMCUPC	30	A
COMCUPC	*	IN WHICH CASE THE LOWER 18 BITS WILL BE ZERO	COMCUPC	COMCUPC	31	A
COMCUPC	*	(8.) TWO SUCCESSIVE SEPARATORS OR A SEPARATOR FOLLOWED BY	COMCUPC	COMCUPC	32	A
COMCUPC	*	A TERMINATOR RESULTS IN A PARAMETER OF ALL ZERO.	COMCUPC	COMCUPC	33	A
COMCUPC	*		COMCUPC	COMCUPC	34	A
COMCUPC	*	ENTRY (X5) = FIRST WORD OF CONTROL CARD.	COMCUPC	COMCUPC	35	A
COMCUPC	*	(A5) = ADDRESS OF FIRST WORD.	COMCUPC	COMCUPC	36	A
COMCUPC	*	(B7) = ADDRESS FOR FIRST PARAMETER IF (B7) IS POSITIVE	COMCUPC	COMCUPC	37	A
COMCUPC	*	COMPLEMENT OF ADDRESS FOR FIRST PARAMETER IF	COMCUPC	COMCUPC	38	A
COMCUPC	*	(B7) IS NEGATIVE.	COMCUPC	COMCUPC	39	A
COMCUPC	*	(B1) = 1.	COMCUPC	COMCUPC	40	A
COMCUPC	*		COMCUPC	COMCUPC	41	A
COMCUPC	*	EXIT (X6) = 0 IF NO ERROR DURING UNPACK.	COMCUPC	COMCUPC	42	A
COMCUPC	*	(B6) = PARAMETER COUNT.	COMCUPC	COMCUPC	43	A
COMCUPC	*		COMCUPC	COMCUPC	44	A
COMCUPC	*	USES X - 0, 1, 2, 3, 4, 5, 6, 7.	COMCUPC	COMCUPC	45	A
COMCUPC	*	B - 2, 3, 4, 5, 6.	COMCUPC	COMCUPC	46	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCUPC

	COMCUPC	*	A - 1, 2, 5, 6, 7.			COMCUPC	COMCUPC	47	A
1	COMCUPC	*				COMCUPC	COMCUPC	48	A
2	COMCUPC	*	CALLS	NONE.		COMCUPC	COMCUPC	49	A
3	COMCUPC					COMCUPC	COMCUPC	50	A
4	COMCUPC					COMCUPC	COMCUPC	51	A
5	COMCUPC	UPC	SUBR	ENTRY/EXIT		COMCUPC	COMCUPC	52	A
6	COMCUPC		SB2	B7		COMCUPC	COMCUPC	53	A
7	COMCUPC		PL	B2,UPC1	IF (B7) IS NEGATIVE ON ENTRY	COMCUPC	COMCUPC	54	A
8	COMCUPC		SB2	-B7	IF NEGATIVE, RESET	COMCUPC	COMCUPC	55	A
9	COMCUPC	UPC1	SA6	B2	PRESET A6 FOR WRITE	COMCUPC	COMCUPC	56	A
10	COMCUPC		SX3	4100B	(X3) = MASK FOR TERMINATORS	COMCUPC	COMCUPC	57	A
11	COMCUPC		SB5	60	(B5) = CONSTANT 60	COMCUPC	COMCUPC	58	A
12	COMCUPC		MX0	-6	(X0) = CHARACTER MASK	COMCUPC	COMCUPC	59	A
13	COMCUPC		BX6	X6-X6	CLEAR ASSEMBLY	COMCUPC	COMCUPC	60	A
14	COMCUPC		SB2	B5	CLEAR CHARACTER COUNT	COMCUPC	COMCUPC	61	A
15	COMCUPC		MX2	18	(X2) = EXCESS CHARACTER MASK	COMCUPC	COMCUPC	62	A
16	COMCUPC		MX4	1	(X4) = CHARACTER COUNTER	COMCUPC	COMCUPC	63	A
17	COMCUPC		SB6	B0	(B6) = ASSEMBLY INDEX	COMCUPC	COMCUPC	64	A
18	COMCUPC		EQ	UPC3	ENTER LOOP	COMCUPC	COMCUPC	65	A
19	COMCUPC					COMCUPC	COMCUPC	66	A
20	COMCUPC	UPC2	LX6	6	ADVANCE ASSEMBLY	COMCUPC	COMCUPC	67	A
21	COMCUPC		SB2	B2-6		COMCUPC	COMCUPC	68	A
22	COMCUPC		BX6	X6+X7		COMCUPC	COMCUPC	69	A
23	COMCUPC	UPC3	LX5	6	NEXT CHARACTER	COMCUPC	COMCUPC	70	A
24	COMCUPC		BX7	-X0*X5		COMCUPC	COMCUPC	71	A
25	COMCUPC		SB3	X7-1R9	CHECK CHARACTER	COMCUPC	COMCUPC	72	A
26	COMCUPC		LX4	6	ADVANCE DISASSEMBLY	COMCUPC	COMCUPC	73	A
27	COMCUPC		PL	X4,UPC4		COMCUPC	COMCUPC	74	A
28	COMCUPC					COMCUPC	COMCUPC	75	A
29	COMCUPC	*	00 CHARACTER IS ILLEGAL AND * IS ALPHANUMERIC.			COMCUPC	COMCUPC	76	A
30	COMCUPC					COMCUPC	COMCUPC	77	A
31	COMCUPC		SA5	A5+B1		COMCUPC	COMCUPC	78	A
32	COMCUPC	UPC4	ZR	X7,UPC7	IF CHARACTER = 00	COMCUPC	COMCUPC	79	A
33	COMCUPC		LT	B3,B1,UPC2	IF ALPHA/NUMERIC	COMCUPC	COMCUPC	80	A
34	COMCUPC		SB4	X7-60B	CHARS. 60-77B ARE ILLEGAL		CPS0278	4	A
35	COMCUPC		GE	B4,UPC7			CPS0278	5	A
36	COMCUPC		SB4	X7-1R*		COMCUPC	COMCUPC	81	A
37	COMCUPC		ZR	B4,UPC2	IF CHARACTER = *	COMCUPC	COMCUPC	82	A
38	COMCUPC					COMCUPC	COMCUPC	83	A
39	COMCUPC	*	CHECK FOR BLANK AS SEPARATOR.			COMCUPC	COMCUPC	84	A
40	COMCUPC					COMCUPC	COMCUPC	85	A
41	COMCUPC		SB4	X7-1R	CHECK CHARACTER	COMCUPC	COMCUPC	86	A
42	COMCUPC		NZ	B4,UPC5	NOT BLANK, MUST BE SEPARATOR	COMCUPC	COMCUPC	87	A
43	COMCUPC		PL	B7,UPC3	(B7) POSITIVE, BLANK IGNORED	COMCUPC	COMCUPC	88	A
44	COMCUPC		NZ	B6,UPC3	NOT JUST AFTER KEYWORD, BLANK IGNORED	COMCUPC	COMCUPC	89	A
45	COMCUPC		ZR	X6,UPC3	IF LEADING BLANK		CPSA276	9	A
46	COMCUPC					COMCUPC	COMCUPC	90	A
47	COMCUPC	*	CHECK FOR PARAMETER .GT. 7 CHARACTERS.			COMCUPC	COMCUPC	91	A
48	COMCUPC					COMCUPC	COMCUPC	92	A
49	COMCUPC	UPC5	BX1	X2*X6	CHECK ASSEMBLY	COMCUPC	COMCUPC	93	A
50	COMCUPC		LX6	X6,B2	LEFT JUSTIFY ASSEMBLY	COMCUPC	COMCUPC	94	A
51	COMCUPC		NZ	X1,UPC7	IF .GT. 7 CHARACTERS ASSEMBLED	COMCUPC	COMCUPC	95	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCWTH

	COMCWTH	*	WITH TRIMS TRAILING SPACES AND WRITES A LINE TO A FILE.				COMCWTH	COMCWTH	14	A	
1	COMCWTH	WTH	SPACE 4,10				COMCWTH	COMCWTH	15	A	1
2	COMCWTH	***	WITH TRANSFERS 1 CODED LINE IN -H- FORMAT FROM A				COMCWTH	COMCWTH	16	A	2
3	COMCWTH	*	WORKING BUFFER TO A CIO BUFFER. TRAILING SPACES ARE DELETED.				COMCWTH	COMCWTH	17	A	3
4	COMCWTH	*	IF THE BUFFER BECOMES SUFFICIENTLY FULL TO REQUIRE WRITING,				COMCWTH	COMCWTH	18	A	4
5	COMCWTH	*	OR THE DEVICE TYPE INDICATES A NOS/BE TERMINAL,				COMCWTH	COMCWTH	19	A	5
6	COMCWTH	*	WITH WILL PERFORM A *WRITE* FUNCTION UNLESS THE SYMBOL *WRIF\$*				COMCWTH	COMCWTH	20	A	6
7	COMCWTH	*	IS DEFINED. IN THIS CASE, THE CIO FUNCTION THAT IS IN THE FET				COMCWTH	COMCWTH	21	A	7
8	COMCWTH	*	WILL BE RE-ISSUED.				COMCWTH	COMCWTH	22	A	8
9	COMCWTH	*	IF THE LINE TO BE WRITTEN TERMINATES WITH 6 BITS OF ZERO A				COMCWTH	COMCWTH	23	A	9
10	COMCWTH	*	WORD CONTAINING A BLANK BYTE WILL BE APPENDED TO PRESERVE				COMCWTH	COMCWTH	24	A	10
11	COMCWTH	*	THE *00* CHARACTER AS A COLON. IF THE LINE TERMINATES				COMCWTH	COMCWTH	25	A	11
12	COMCWTH	*	ON AN END-OF-LINE IT WILL BE WRITTEN AS IS.				COMCWTH	COMCWTH	26	A	12
13	COMCWTH	*					COMCWTH	COMCWTH	27	A	13
14	COMCWTH	*	ENTRY (X2) = ADDRESS OF FET FOR FILE.				COMCWTH	COMCWTH	28	A	14
15	COMCWTH	*	(B6) = FWA WORKING BUFFER.				COMCWTH	COMCWTH	29	A	15
16	COMCWTH	*	(B7) = WORD COUNT OF WORKING BUFFER.				COMCWTH	COMCWTH	30	A	16
17	COMCWTH	*	IF (B7) = 0, NO TRANSFER WILL BE PERFORMED.				COMCWTH	COMCWTH	31	A	17
18	COMCWTH	*					COMCWTH	COMCWTH	32	A	18
19	COMCWTH	*	EXIT (X2) = ADDRESS OF FET FOR FILE.				COMCWTH	COMCWTH	33	A	19
20	COMCWTH	*	(B1) = 1.				COMCWTH	COMCWTH	34	A	20
21	COMCWTH	*					COMCWTH	COMCWTH	35	A	21
22	COMCWTH	*	USES X - 1, 2, 3, 4, 6, 7.				COMCWTH	COMCWTH	36	A	22
23	COMCWTH	*	B - 1, 2, 3, 4, 5, 6, 7.				COMCWTH	COMCWTH	37	A	23
24	COMCWTH	*	A - 1, 2, 3, 4, 6, 7.				COMCWTH	COMCWTH	38	A	24
25	COMCWTH	*					COMCWTH	COMCWTH	39	A	25
26	COMCWTH	*	CALLS DCB=, WTX=.				COMCWTH	COMCWTH	40	A	26
27	COMCWTH						COMCWTH	COMCWTH	41	A	27
28	COMCWTH						COMCWTH	COMCWTH	42	A	28
29	COMCWTH	+	EQ	WTH3	ENTRY FROM DCB= ON A WRITE REQUEST		COMCWTH	COMCWTH	43	A	29
30	COMCWTH						COMCWTH	COMCWTH	44	A	30
31	COMCWTH	WTH=	SUBR	ENTRY/EXIT		COMCWTH	COMCWTH	45	A	31	
32	COMCWTH		SA4	WTHX			COMCWTH	COMCWTH	46	I	32
33		-CPSA104									33
34	COMCWTH		ZR	B7,WTHX	IF WORKING BUFFER EMPTY, RETURN		COMCWTH	COMCWTH	47	I	34
35		-CPSA104									35
36	COMCWTH		SA4	WTH=	SET RETURN ADDRESS		CPSA104	CPSA104	43	A	36
37	COMCWTH		ZR	B7,WTH=	IF WORKING BUFFER EMPTY, RETURN		CPSA104	CPSA104	44	A	37
38	COMCWTH		IF	-DEF,B1=1,1			COMCWTH	COMCWTH	48	A	38
39	COMCWTH		SB1	1			COMCWTH	COMCWTH	49	A	39
40	COMCWTH						COMCWTH	COMCWTH	50	A	40
41	COMCWTH	*	DELETE TRAILING BLANK WORDS.				COMCWTH	COMCWTH	51	A	41
42	COMCWTH						COMCWTH	COMCWTH	52	A	42
43	COMCWTH		SA3	WTHA	=1H		COMCWTH	COMCWTH	53	A	43
44	COMCWTH		SA1	B6+B7	PRESET (A1)		COMCWTH	COMCWTH	54	A	44
45	COMCWTH		SB7	B7+B1			COMCWTH	COMCWTH	55	A	45
46	COMCWTH	WTH1	SA1	A1-B1			COMCWTH	COMCWTH	56	A	46
47	COMCWTH		IX6	X1-X3			COMCWTH	COMCWTH	57	A	47
48	COMCWTH		SB7	B7-B1			COMCWTH	COMCWTH	58	A	48
49	COMCWTH		EQ	B7,B1,WTH2			COMCWTH	COMCWTH	59	A	49
50	COMCWTH		ZR	X6,WTH1			COMCWTH	COMCWTH	60	A	50
51	COMCWTH	WTH2	SA1	X2+4	(B5) = LIMIT		COMCWTH	COMCWTH	61	A	51
52											52
53		0	1	2	3	4	5	6	7	8	53
54		1234567890123456789012345678901234567890123456789012345678901234567890									54

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCWTO

COMCWTO	*	WTO	WRITES ONE WORD TO A FILE FROM X6.	COMCWTO	COMCWTO	13	A
COMCWTO	WTO	SPACE	4,10	COMCWTO	COMCWTO	14	A
COMCWTO	***	WTO	WRITES ONE WORD TO A CIO BUFFER FROM X6.	COMCWTO	COMCWTO	15	A
COMCWTO	*	IF	THE BUFFER BECOMES SUFFICIENTLY FULL TO REQUIRE WRITING,	COMCWTO	COMCWTO	16	A
COMCWTO	*	WTO	WILL PERFORM A *WRITE* FUNCTION UNLESS THE SYMBOL *WRIF\$*	COMCWTO	COMCWTO	17	A
COMCWTO	*	IS	DEFINED. IN THIS CASE, THE CIO FUNCTION THAT IS IN THE FET	COMCWTO	COMCWTO	18	A
COMCWTO	*	WILL	BE RE-ISSUED.	COMCWTO	COMCWTO	19	A
COMCWTO	*	ENTRY	(A1) = ADDRESS OF IN POINTER.	COMCWTO	COMCWTO	20	A
COMCWTO	*	(X1)	= IN.	COMCWTO	COMCWTO	21	A
COMCWTO	*	(X6)	= WORD TO WRITE.	COMCWTO	COMCWTO	22	A
COMCWTO	*	EXIT	(X2) = ADDRESS OF FET OF FILE.	COMCWTO	COMCWTO	23	A
COMCWTO	*	(B1)	= 1.	COMCWTO	COMCWTO	24	A
COMCWTO	*	USES	X - 1, 2, 3, 4, 6, 7.	COMCWTO	COMCWTO	25	A
COMCWTO	*	B	- 1.	COMCWTO	COMCWTO	26	A
COMCWTO	*	A	- 1, 2, 3, 4, 6, 7.	COMCWTO	COMCWTO	27	A
COMCWTO	*	CALLS	NONE.	COMCWTO	COMCWTO	28	A
COMCWTO	-CPS0303	MACROS	RECALL, WRITE.	COMCWTO	COMCWTO	29	A
COMCWTO	*			COMCWTO	COMCWTO	30	A
COMCWTO				COMCWTO	COMCWTO	31	A
COMCWTO				COMCWTO	COMCWTO	32	A
COMCWTO				COMCWTO	COMCWTO	33	A
COMCWTO				COMCWTO	COMCWTO	34	A
COMCWTO	WT01	SA6	X1 STORE WORD	COMCWTO	COMCWTO	35	A
COMCWTO		SX2	A1-2	COMCWTO	COMCWTO	36	A
COMCWTO		SA7	A1 UPDATE IN	COMCWTO	COMCWTO	37	A
COMCWTO				COMCWTO	COMCWTO	38	A
COMCWTO	WTO=	SUBR	ENTRY/EXIT	COMCWTO	COMCWTO	39	A
COMCWTO	WT02	BSS	0	COMCWTO	COMCWTO	40	A
COMCWTO		IF	-DEF,B1=1,1	COMCWTO	COMCWTO	41	A
COMCWTO		SB1	1	COMCWTO	COMCWTO	42	A
COMCWTO		SA2	A1-2 READ FET+0	COMCWTO	COMCWTO	43	A
COMCWTO		SA3	A1+B1 READ OUT	COMCWTO	COMCWTO	44	A
COMCWTO		SX7	X1+B1 IN+1	COMCWTO	COMCWTO	45	A
COMCWTO		NO		COMCWTO	COMCWTO	46	A
COMCWTO	-CPSA242			COMCWTO	COMCWTO	47	A
COMCWTO		IX4	X7-X3 IN+1 - OUT	COMCWTO	COMCWTO	48	A
COMCWTO		NG	X4,WT01 IF NO WRAP AROUND	COMCWTO	COMCWTO	49	A
COMCWTO		SA3	A3+B1 READ LIMIT	COMCWTO	COMCWTO	50	A
COMCWTO		SX2	X3	COMCWTO	COMCWTO	51	A
COMCWTO	-CPSA242			COMCWTO	COMCWTO	52	A
COMCWTO		ZR	X4,WT03 IF BUFFER FULL	COMCWTO	COMCWTO	53	A
COMCWTO		IX4	X7-X2 IN+1 - LIMIT	COMCWTO	COMCWTO	54	A
COMCWTO	-CPSA242			COMCWTO	COMCWTO	55	A
COMCWTO		NZ	X4,WT01 IF IN+1 .NE. LIMIT	COMCWTO	COMCWTO	56	A
COMCWTO	-CPSA242			COMCWTO	COMCWTO	57	A
COMCWTO		SA3	A1-B1 READ FIRST	COMCWTO	COMCWTO	58	A
COMCWTO	-CPSA242			COMCWTO	COMCWTO	59	A
COMCWTO		SA2	A1+B1 READ OUT	COMCWTO	COMCWTO	60	A
COMCWTO	-CPSA242			COMCWTO	COMCWTO	61	A
COMCWTO		SX7	X3 IN+1	COMCWTO	COMCWTO	62	A
COMCWTO				COMCWTO	COMCWTO	63	A
COMCWTO				COMCWTO	COMCWTO	64	A
COMCWTO				COMCWTO	COMCWTO	65	A
COMCWTO				COMCWTO	COMCWTO	66	A
COMCWTO				COMCWTO	COMCWTO	67	A
COMCWTO				COMCWTO	COMCWTO	68	A
COMCWTO				COMCWTO	COMCWTO	69	A
COMCWTO				COMCWTO	COMCWTO	70	A
COMCWTO				COMCWTO	COMCWTO	71	A
COMCWTO				COMCWTO	COMCWTO	72	A
COMCWTO				COMCWTO	COMCWTO	73	A
COMCWTO				COMCWTO	COMCWTO	74	A
COMCWTO				COMCWTO	COMCWTO	75	A
COMCWTO				COMCWTO	COMCWTO	76	A
COMCWTO				COMCWTO	COMCWTO	77	A
COMCWTO				COMCWTO	COMCWTO	78	A
COMCWTO				COMCWTO	COMCWTO	79	A
COMCWTO				COMCWTO	COMCWTO	80	A

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCWTO

-CPSA242

1	COMCWTO		IX4	X7-X2		COMCWTO	COMCWTO	56	I	1
2		-CPSA242								2
3	COMCWTO		NZ	X4,WT01	IF IN+1 .NE. OUT	COMCWTO	COMCWTO	57	I	3
4		-CPSA242								4
5	COMCWTO		SX3	X3			CPSA242	77	A	5
6	COMCWTO		IX4	X7-X3	IN+1 - LIMIT		CPSA242	78	A	6
7	COMCWTO		SA3	A1-B1	READ FIRST		CPSA242	79	A	7
8	COMCWTO		NZ	X4,WT01	IF IN+1 .NE. LIMIT		CPSA242	80	A	8
9	COMCWTO		SX7	X3	IN+1 = FIRST		CPSA242	81	A	9
10	COMCWTO		SA3	A1+B1	READ OUT		CPSA242	82	A	10
11	COMCWTO		IX4	X7-X3			CPSA242	83	A	11
12	COMCWTO		NZ	X4,WT01	IF IN+1 .NE. OUT		CPSA242	84	A	12
13	COMCWTO					COMCWTO	COMCWTO	58	A	13
14	COMCWTO	*		DUMP CIRCULAR BUFFER.		COMCWTO	COMCWTO	59	A	14
15	COMCWTO					COMCWTO	COMCWTO	60	A	15
16	COMCWTO	WT03	BX4	X6	SAVE WORD	COMCWTO	COMCWTO	61	I	16
17		-CPSA242								17
18	COMCWTO		SA1	A1-2	CHECK STATUS	COMCWTO	COMCWTO	62	I	18
19		-CPSA242								19
20	COMCWTO		SX2	A1		COMCWTO	COMCWTO	63	I	20
21		-CPSA242								21
22	COMCWTO		LX1	-1		COMCWTO	COMCWTO	64	I	22
23		-CPSA242								23
24	COMCWTO	WT03	BX1	X2			CPSA242	85	A	24
25	COMCWTO		BX4	X6	SAVE WORD		CPSA242	86	A	25
26	COMCWTO		LX1	59-0			CPSA242	87	A	26
27	COMCWTO		SX2	A2			CPSA242	88	A	27
28	COMCWTO		NG	X1,WT05	IF NOT BUSY	COMCWTO	COMCWTO	65	A	28
29	COMCWTO		ZR	X1,WT0X	IF BLANK FET, RETURN	COMCWTO	COMCWTO	66	I	29
30		-CPSA104								30
31	COMCWTO		ZR	X1,WT0=	IF BLANK FET, RETURN	CPSA104	CPSA104	45	I	31
32		-CPSA242								32
33	COMCWTO		ZR	X1,WT05	IF BLANK FET		CPSA242	89	A	33
34	COMCWTO		RECALL	X2		COMCWTO	COMCWTO	67	A	34
35	COMCWTO	WT04	SA1	X2+2	READ IN	COMCWTO	COMCWTO	68	A	35
36	COMCWTO		BX6	X4		COMCWTO	COMCWTO	69	A	36
37	COMCWTO		SA3	A1+B1	READ OUT	COMCWTO	COMCWTO	70	I	37
38		-CPSA242								38
39	COMCWTO		EQ	WT02	CONTINUE WRITE	COMCWTO	COMCWTO	71	A	39
40	COMCWTO	WRIF\$	IF	DEF,WRIF\$		COMCWTO	COMCWTO	72	A	40
41	COMCWTO	WT05	SA1	X2	RE-ISSUE CURRENT WRITE FUNCTION	COMCWTO	COMCWTO	73	A	41
42	COMCWTO		SX6	774B		COMCWTO	COMCWTO	74	A	42
43	COMCWTO		BX7	X6*X1		COMCWTO	COMCWTO	75	A	43
44	COMCWTO		RJ	=XCIO=		COMCWTO	COMCWTO	76	A	44
45	COMCWTO	WRIF\$	ELSE	1		COMCWTO	COMCWTO	77	A	45
46	COMCWTO	WT05	WRITE	X2		COMCWTO	COMCWTO	78	A	46
47	COMCWTO		EQ	WT04	CONTINUE WRITE	COMCWTO	COMCWTO	79	A	47
48	COMCWTO	WT0	SPACE	4,10		COMCWTO	COMCWTO	80	A	48
49	COMCWTO		BASE	*		COMCWTO	COMCWTO	81	A	49
50	COMCWTO	QUAL\$	IF	-DEF,QUAL\$		COMCWTO	COMCWTO	82	A	50
51	COMCWTO		QUAL	*		COMCWTO	COMCWTO	83	A	51

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## SUMMARY OF UPDATE IDENTIFIERS WITHIN DECK - COMCWTO

COMCWTO	COMCWTO	84	A
COMCWTO	COMCWTO	85	A
COMCWTO	COMCWTO	86	A

COMCWT0	86	70
CPSA104	1	0
CPS0303	1	1
CPSA242	24	24

COMCWTS	COMCWTS	1	A
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COMCWTS	COMCWTS	2	A
COMCWTS	COMCWTS	3	A
COMCWTS	COMCWTS	4	A
COMCWTS	COMCWTS	5	A
COMCWTS	COMCWTS	6	A
COMCWTS	COMCWTS	7	A
COMCWTS	COMCWTS	8	A
COMCWTS	COMCWTS	9	A
COMCWTS	COMCWTS	10	A
COMCWTS	COMCWTS	11	A
COMCWTS	COMCWTS	12	A
	CPSA242	90	A
	CPSA242	91	A
	CPSA242	92	A
	CPSA242	93	A
	CPSA242	94	A
	CPSA242	95	A
	CPSA242	96	A
	CPSA242	97	A
	CPSA242	98	A
	CPSA242	99	A
COMCWTS	COMCWTS	13	A
COMCWTS	COMCWTS	14	A
COMCWTS	COMCWTS	15	A
COMCWTS	COMCWTS	16	A
COMCWTS	COMCWTS	17	A
COMCWTS	COMCWTS	18	A
COMCWTS	COMCWTS	19	A
COMCWTS	COMCWTS	20	A
COMCWTS	COMCWTS	21	A
COMCWTS	COMCWTS	22	A
COMCWTS	COMCWTS	23	A
COMCWTS	COMCWTS	24	A
COMCWTS	COMCWTS	25	A
COMCWTS	COMCWTS	26	A
COMCWTS	COMCWTS	27	A

[illegible]



*		(B7) = WORD COUNT OF WORKING BUFFER.
*		IF (B7) = 0, NO TRANSFER WILL BE PERFORMED.
*		
*	EXIT	(X2) = ADDRESS OF FET FOR FILE.
*		(B6) = WORD COUNT OF DATA WRITTEN.
*		(B1) = 1.
*		
*	USES	X - 1, 2, 3, 4, 6, 7.
*		B - 1, 2, 3, 4, 5, 6, 7.
*		A - 1, 2, 3, 4, 6, 7.

COMCWTS	COMCWTS	28	A
COMCWTS	COMCWTS	29	A
COMCWTS	COMCWTS	30	A
COMCWTS	COMCWTS	31	A
COMCWTS	COMCWTS	32	A
COMCWTS	COMCWTS	33	A
COMCWTS	COMCWTS	34	A
COMCWTS	COMCWTS	35	A
COMCWTS	COMCWTS	36	A
COMCWTS	COMCWTS	37	A
COMCWTS	COMCWTS	38	A
COMCWTS	COMCWTS	39	A
COMCWTS	COMCWTS	40	A
COMCWTS	COMCWTS	41	A
COMCWTS	COMCWTS	42	A
COMCWTS	COMCWTS	43	A
COMCWTS	COMCWTS	44	A
COMCWTS	COMCWTS	45	
CPSA104	CPSA104	46	A
COMCWTS	COMCWTS	46	A
COMCWTS	COMCWTS	47	A
COMCWTS	COMCWTS	48	A
COMCWTS	COMCWTS	49	
CPSA104	CPSA104	47	A
COMCWTS	COMCWTS	50	A
COMCWTS	COMCWTS	51	A
COMCWTS	COMCWTS	52	A
COMCWTS	COMCWTS	53	A
COMCWTS	COMCWTS	54	A
COMCWTS	COMCWTS	55	A
COMCWTS	COMCWTS	56	A
COMCWTS	COMCWTS	57	A
COMCWTS	COMCWTS	58	A
COMCWTS	COMCWTS	59	A
COMCWTS	COMCWTS	60	A
COMCWTS	COMCWTS	61	A
COMCWTS	COMCWTS	62	A
COMCWTS	COMCWTS	63	A
COMCWTS	COMCWTS	64	A
COMCWTS	COMCWTS	65	A
COMCWTS	COMCWTS	66	A
COMCWTS	COMCWTS	67	
COMCWTS	COMCWTS	68	
	CPSA242	100	A
	CPSA242	101	A
	CPSA242	102	A
	CPSA242	103	A
	CPSA242	104	A

[illegible]

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCWTS

COMCWTS	SB3	X2+B1	(B3) = IN+1	COMCWTS	COMCWTS	69	A
COMCWTS	SB4	X1		COMCWTS	COMCWTS	70	A
COMCWTS	SX6	B4-B3	OUT - IN+1	COMCWTS	COMCWTS	71	A
COMCWTS	PL	X6,WTS4	IF OUT .GE. IN+1	COMCWTS	COMCWTS	72	A
COMCWTS	SX6	B5-B3	LIMIT - IN+1	COMCWTS	COMCWTS	73	A
COMCWTS	WTS4	SB4	X6 (B4) = FREE BUFFER SPACE	COMCWTS	COMCWTS	74	A
COMCWTS	SX3	X2	(X3) = IN	COMCWTS	COMCWTS	75	A
COMCWTS	NZ	X6,WTS6	IF SPACE AVAILABLE	COMCWTS	COMCWTS	76	A
COMCWTS				COMCWTS	COMCWTS	77	A
COMCWTS	*		PROCESS EXHAUSTED FREE BUFFER SPACE.	COMCWTS	COMCWTS	78	A
COMCWTS				COMCWTS	COMCWTS	79	A
COMCWTS	WTS5	SA2	A3+B1 (A2) = ADDRESS OF IN	COMCWTS	COMCWTS	80	I
COMCWTS	-CPSA242						
COMCWTS	WTS5	SA1	WTS5 GET FET STATUS	CPSA242		105	A
COMCWTS		SA2	A3+B1 (A2) = ADDRESS OF IN	CPSA242		106	A
COMCWTS		SB2	X1 (B2) = FET STATUS	CPSA242		107	A
COMCWTS		SX2	X3 (X2) = IN	COMCWTS	COMCWTS	81	A
COMCWTS		NE	B3,B5,=XDCB= IF IN+1 .NE. LIMIT	COMCWTS	COMCWTS	82	A
COMCWTS		SA1	A3 (X1) = FIRST	COMCWTS	COMCWTS	83	A
COMCWTS		SX6	X1	COMCWTS	COMCWTS	84	A
COMCWTS		SA1	A3-B1 FET+0	CPSA242		108	A
COMCWTS		SB2	X1 (B2) = FET STATUS	CPSA242		109	A
COMCWTS		SA1	A2+B1 OUT	COMCWTS	COMCWTS	85	A
COMCWTS		IX7	X1-X6 OUT - IN+1	COMCWTS	COMCWTS	86	A
COMCWTS		SB3	X6 IN+1 = FIRST	COMCWTS	COMCWTS	87	A
COMCWTS		ZR	X7,=XDCB= IF IN+1 = OUT	COMCWTS	COMCWTS	88	A
COMCWTS		SB4	X7 (B4) = FREE BUFFER SPACE	COMCWTS	COMCWTS	89	A
COMCWTS				COMCWTS	COMCWTS	90	A
COMCWTS	*		CHECK ASSEMBLY BUFFER.	COMCWTS	COMCWTS	91	A
COMCWTS				COMCWTS	COMCWTS	92	A
COMCWTS	WTS6	SB2	B6+10 SET LAST CHARACTER	COMCWTS	COMCWTS	93	A
COMCWTS		MX6	0 CLEAR ASSEMBLY	COMCWTS	COMCWTS	94	A
COMCWTS		SA1	B6 GET FIRST CHARACTER	COMCWTS	COMCWTS	95	A
COMCWTS		LT	B7,B2,WTS8 IF ASSEMBLY OVERRUNS WORKING BUFFER	COMCWTS	COMCWTS	96	A
COMCWTS		SA2	A1+B1 GET SECOND CHARACTER	COMCWTS	COMCWTS	97	A
COMCWTS		SB6	A2+B1 INCREMENT CHARACTER ADDRESS	COMCWTS	COMCWTS	98	A
COMCWTS				COMCWTS	COMCWTS	99	A
COMCWTS	*		ASSEMBLE WORD.	COMCWTS	COMCWTS	100	A
COMCWTS				COMCWTS	COMCWTS	101	A
COMCWTS	WTS7	LX1	6 POSITION ODD CHARACTER	COMCWTS	COMCWTS	102	A
COMCWTS		SB6	B6+2 ADVANCE CHARACTER ADDRESS	COMCWTS	COMCWTS	103	A
COMCWTS		BX6	X6+X1 ASSEMBLE CHARACTER	COMCWTS	COMCWTS	104	A
COMCWTS		SA1	A2+B1 GET NEXT ODD CHARACTER	COMCWTS	COMCWTS	105	A
COMCWTS		BX6	X6+X2 ASSEMBLE CHARACTER	COMCWTS	COMCWTS	106	A
COMCWTS		SA2	A1+B1 GET NEXT EVEN CHARACTER	COMCWTS	COMCWTS	107	A
COMCWTS		LX6	12 POSITION ASSEMBLY	COMCWTS	COMCWTS	108	A
COMCWTS		NE	B6,B2,WTS7 LOOP FOR 10 CHARACTERS	COMCWTS	COMCWTS	109	A
COMCWTS		LX1	6 POSITION 9TH CHARACTER	COMCWTS	COMCWTS	110	A
COMCWTS		BX6	X6+X2 ASSEMBLE CHARACTER	COMCWTS	COMCWTS	111	A
COMCWTS		SB3	B3+B1 IN+1 = IN+1 + 1	COMCWTS	COMCWTS	112	A
COMCWTS		BX6	X6+X1 ASSEMBLE CHARACTER	COMCWTS	COMCWTS	113	A
COMCWTS		SB4	B4-B1 DECREMENT FREE BUFFER SPACE	COMCWTS	COMCWTS	114	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCWTS

COMCWTS	SA6	X3	STORE WORD	COMCWTS	COMCWTS	115	A
COMCWTS	SX4	X4+B1	COUNT WORD	COMCWTS	COMCWTS	116	A
COMCWTS	SX3	B3-B1	IN = IN+1	COMCWTS	COMCWTS	117	A
COMCWTS	NZ	B4,WTS6	LOOP TO LAST CHARACTER OF FULL BUFFER	COMCWTS	COMCWTS	118	A
COMCWTS	EQ	WTS5	CHECK BUFFER POINTERS	COMCWTS	COMCWTS	119	A
COMCWTS				COMCWTS	COMCWTS	120	A
COMCWTS	*	PROCESS LAST .LE. 9 CHARACTERS.		COMCWTS	COMCWTS	121	A
COMCWTS				COMCWTS	COMCWTS	122	A
COMCWTS	WTS8	SX7	0	COMCWTS	COMCWTS	123	A
COMCWTS		SB2	54	COMCWTS	COMCWTS	124	A
COMCWTS		EQ	B6,B7,WTS10	COMCWTS	COMCWTS	125	A
COMCWTS		SX2	B7-B6	COMCWTS	COMCWTS	126	A
COMCWTS		LX2	59-0	COMCWTS	COMCWTS	127	A
COMCWTS		PL	X2,WTS9	COMCWTS	COMCWTS	128	A
COMCWTS		SX7	1R	COMCWTS	COMCWTS	129	A
COMCWTS	WTS9	LX1	X1,B2	COMCWTS	COMCWTS	130	A
COMCWTS		SB6	B6+B1	COMCWTS	COMCWTS	131	A
COMCWTS		SB2	B2-6	COMCWTS	COMCWTS	132	A
COMCWTS		BX6	X6+X1	COMCWTS	COMCWTS	133	A
COMCWTS		SA1	B6	COMCWTS	COMCWTS	134	A
COMCWTS		NE	B6,B7,WTS9	COMCWTS	COMCWTS	135	A
COMCWTS				COMCWTS	COMCWTS	136	A
COMCWTS	*	PROCESS LAST WORD.		COMCWTS	COMCWTS	137	A
COMCWTS				COMCWTS	COMCWTS	138	A
COMCWTS	WTS10	NZ	X7,WTS11	COMCWTS	COMCWTS	139	A
COMCWTS		ZR	B2,WTS11	COMCWTS	COMCWTS	140	A
COMCWTS		SA1	A1-1	COMCWTS	COMCWTS	141	A
COMCWTS		NZ	X1,WTS11	COMCWTS	COMCWTS	142	A
COMCWTS		SX7	2R	COMCWTS	COMCWTS	143	A
COMCWTS		SB2	B2-6	COMCWTS	COMCWTS	144	A
COMCWTS	WTS11	LX7	X7,B2	COMCWTS	COMCWTS	145	A
COMCWTS		SA2	A3+B1	COMCWTS	COMCWTS	146	A
COMCWTS		MX1	-12	COMCWTS	COMCWTS	147	A
COMCWTS		BX6	X6+X7	COMCWTS	COMCWTS	148	A
COMCWTS		SX4	X4+B1	COMCWTS	COMCWTS	149	A
COMCWTS		SA6	X3	COMCWTS	COMCWTS	150	A
COMCWTS		BX7	-X1*X6	COMCWTS	COMCWTS	151	A
COMCWTS		SX2	B3	COMCWTS	COMCWTS	152	A
COMCWTS		SB6	X4	COMCWTS	COMCWTS	153	A
COMCWTS		SA3	A3	COMCWTS	COMCWTS	154	A
COMCWTS		ZR	X7,WTS13	COMCWTS	COMCWTS	155	A
COMCWTS		SB3	B3+B1	COMCWTS	COMCWTS	156	A
COMCWTS		SB4	B4-B1	COMCWTS	COMCWTS	157	A
COMCWTS		MX1	-6	COMCWTS	COMCWTS	158	A
COMCWTS		BX1	-X1*X7	COMCWTS	COMCWTS	159	A
COMCWTS		SX3	X2+	COMCWTS	COMCWTS	160	A
COMCWTS		SB6	B7+	COMCWTS	COMCWTS	161	A
COMCWTS		ZR	B4,WTS5	COMCWTS	COMCWTS	162	A
COMCWTS		SX6	B0+	COMCWTS	COMCWTS	163	A
COMCWTS		NZ	X1,WTS12	COMCWTS	COMCWTS	164	A
COMCWTS		SX6	2R	COMCWTS	COMCWTS	165	A
COMCWTS	WTS12	LX6	48	COMCWTS	COMCWTS	166	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCWTW

COMCWTW	*	BUFFER. IT ALSO CONTAINS THE DUMP CIO BUFFER AND WRITE EXIT				COMCWTW	COMCWTW	16	A
COMCWTW	*	ROUTINES REQUIRED BY WTC, WTH, AND WTS.				COMCWTW	COMCWTW	17	A
COMCWTW	WTW	SPACE 4,10				COMCWTW	COMCWTW	18	A
COMCWTW	***	WTW TRANSFERS DATA FROM A WORKING BUFFER TO A CIO				COMCWTW	COMCWTW	19	A
COMCWTW	*	BUFFER. THIS DECK ALSO CONTAINS DCB=, AND WTX=.				COMCWTW	COMCWTW	20	A
COMCWTW	*	IF THE BUFFER BECOMES SUFFICIENTLY FULL TO REQUIRE WRITING,				COMCWTW	COMCWTW	21	A
COMCWTW	*	OR THE DEVICE TYPE INDICATES A NOS/BE TERMINAL,				COMCWTW	COMCWTW	22	A
COMCWTW	*	WTW WILL PERFORM A *WRITE* FUNCTION UNLESS THE SYMBOL *WRIF\$*				COMCWTW	COMCWTW	23	A
COMCWTW	*	IS DEFINED. IN THIS CASE, THE CIO FUNCTION THAT IS IN THE FET				COMCWTW	COMCWTW	24	A
COMCWTW	*	WILL BE RE-ISSUED.				COMCWTW	COMCWTW	25	A
COMCWTW	*					COMCWTW	COMCWTW	26	A
COMCWTW	*	WHEN CALLING CIO= FROM THIS ROUTINE B6 AND B7				COMCWTW	COMCWTW	27	A
COMCWTW	*	MUST CONTAIN WORKING STORAGE BUFFER ADDRESS,				COMCWTW	COMCWTW	28	A
COMCWTW	*	AND NUMBER OF WORDS TO TRANSFER RESPECTIVELY				COMCWTW	COMCWTW	29	A
COMCWTW	*	AS ERROR PROCESSING ROUTINES DEPEND UPON				COMCWTW	COMCWTW	30	A
COMCWTW	*	THESE REGISTERS.				COMCWTW	COMCWTW	31	A
COMCWTW	*					COMCWTW	COMCWTW	32	A
COMCWTW	*	THE THRESHOLD CONDITION TO ISSUE WRITE FUNCTIONS					CPSA242	123	A
COMCWTW	*	IS BUFFER HALF FULL FOR BUFFERS LARGER					CPSA242	124	A
COMCWTW	*	THAN 511 DECIMAL WORDS, AND BUFFER TOTALLY					CPSA242	125	A
COMCWTW	*	FULL FOR SMALLER BUFFERS. IF THE SYMBOL					CPSA242	126	A
COMCWTW	*	WTX\$ IS DEFINED, THEN THE THRESHOLD IS					CPSA242	127	A
COMCWTW	*	BUFFER FULL FOR ALL BUFFER SIZES.					CPSA242	128	A
COMCWTW	*						CPSA242	129	A
COMCWTW	*	ENTRY (X2) = ADDRESS OF FET FOR FILE.				COMCWTW	COMCWTW	33	A
COMCWTW	*	(B6) = FWA WORKING BUFFER.				COMCWTW	COMCWTW	34	A
COMCWTW	*	(B7) = WORD COUNT OF WORKING BUFFER.				COMCWTW	COMCWTW	35	A
COMCWTW	*	IF (B7) = 0, NO TRANSFER WILL BE PERFORMED.				COMCWTW	COMCWTW	36	A
COMCWTW	*					COMCWTW	COMCWTW	37	A
COMCWTW	*	EXIT (B1) = 1.				COMCWTW	COMCWTW	38	A
COMCWTW	*	(X2) = ADDRESS OF FET FOR FILE.				COMCWTW	COMCWTW	39	A
COMCWTW	*	(B6) = ADDRESS OF NEXT WORD TO BE TRANSFERRED FROM				COMCWTW	COMCWTW	40	A
COMCWTW	*	WORKING BUFFER.				COMCWTW	COMCWTW	41	A
COMCWTW	*	(B7) = 0 IF TRANSFER COMPLETE.				COMCWTW	COMCWTW	42	A
COMCWTW	*	= REMAINING WORD COUNT IF *CIO=* WAS CALLED TO				COMCWTW	COMCWTW	43	A
COMCWTW	*	WRITE DATA AND RETURNED AN ERROR STATUS.				COMCWTW	COMCWTW	44	A
COMCWTW	*	(X7) = ERROR STATUS IF (B7) = 0.				COMCWTW	COMCWTW	45	A
COMCWTW	*					COMCWTW	COMCWTW	46	A
COMCWTW	*	USES X - 1, 2, 3, 4, 6, 7.				COMCWTW	COMCWTW	47	A
COMCWTW	*	B - 1, 2, 3, 4, 5, 6, 7.				COMCWTW	COMCWTW	48	A
COMCWTW	*	A - 1, 2, 3, 4, 6, 7.				COMCWTW	COMCWTW	49	A
COMCWTW	*					COMCWTW	COMCWTW	50	A
COMCWTW	*	CALLS CIO=.				COMCWTW	COMCWTW	51	A
COMCWTW	*						CPS0303	14	A
COMCWTW	*	MACROS RECALL, WRITE.					CPS0303	15	A
COMCWTW						COMCWTW	COMCWTW	52	A
COMCWTW						COMCWTW	COMCWTW	53	A
COMCWTW	WTW18	SX6	B3+B4	ADVANCE IN		COMCWTW	COMCWTW	54	A
COMCWTW		SB3	B3+B4			COMCWTW	COMCWTW	55	A
COMCWTW		SB6	B6+B4			COMCWTW	COMCWTW	56	A
COMCWTW		SB7	B7-B4			COMCWTW	COMCWTW	57	A
COMCWTW		SA1	X2+B1			COMCWTW	COMCWTW	58	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCWTW

COMCWTW	NE	B3,B5,WTW19	IF IN .NE. LIMIT	COMCWTW	COMCWTW	59	A
COMCWTW	SX6	X1	IN = FIRST	COMCWTW	COMCWTW	60	A
COMCWTW	WTW19	SA6	A1+B1	COMCWTW	COMCWTW	61	A
COMCWTW	NZ	B7,WTW1	IF NOT END OF TRANSFER	COMCWTW	COMCWTW	62	A
COMCWTW	SA4	X2		COMCWTW	COMCWTW	63	A
COMCWTW	LX4	59-0		COMCWTW	COMCWTW	64	A
COMCWTW	PL	X4,WTWX	IF BUFFER BUSY, RETURN	COMCWTW	COMCWTW	65	I
-CPSA104							
COMCWTW	PL	X4,WTW=	IF BUFFER BUSY, RETURN	CPSA104	CPSA104	48	A
COMCWTW	AX1	54	CHECK FOR DT = 61XX (NOS/BE TERMINAL)	COMCWTW	COMCWTW	66	A
COMCWTW	SX1	X1+77B-61B		COMCWTW	COMCWTW	67	A
COMCWTW	ZR	X1,WTW11	IF NOS/BE TERMINAL, FLUSH BUFFER	COMCWTW	COMCWTW	68	A
COMCWTW				COMCWTW	COMCWTW	69	A
COMCWTW	WTW=	SUBR	ENTRY/EXIT	COMCWTW	COMCWTW	70	A
COMCWTW	WTW1	SA1	X2+3 (B4) = OUT	COMCWTW	COMCWTW	71	A
COMCWTW		SA3	X2+2 (B3) = IN	COMCWTW	COMCWTW	72	A
COMCWTW		IF	-DEF,B1=1,1	COMCWTW	COMCWTW	73	A
COMCWTW	SB1	1		COMCWTW	COMCWTW	74	A
COMCWTW	SA4	A1+B1	(B5) = LIMIT	COMCWTW	COMCWTW	75	A
COMCWTW	ZR	B7,WTWX	IF WORKING BUFFER EMPTY, RETURN	COMCWTW	COMCWTW	76	I
-CPSA104							
COMCWTW	ZR	B7,WTW=	IF WORKING BUFFER EMPTY, RETURN	CPSA104	CPSA104	49	A
COMCWTW	SB4	X1		COMCWTW	COMCWTW	77	A
COMCWTW	SA1	X2+B1	(B2) = FIRST	COMCWTW	COMCWTW	78	A
COMCWTW	SB3	X3		COMCWTW	COMCWTW	79	A
COMCWTW	SB5	X4		COMCWTW	COMCWTW	80	A
COMCWTW	SB2	X1		COMCWTW	COMCWTW	81	A
COMCWTW	SA1	B6	READ FIRST WORD	COMCWTW	COMCWTW	82	A
COMCWTW	NE	B2,B4,WTW2	IF OUT .NE. FIRST	COMCWTW	COMCWTW	83	A
COMCWTW	SB4	B5		COMCWTW	COMCWTW	84	A
COMCWTW	WTW2	LT	B3,B4,WTW3 IF NO END AROUND	COMCWTW	COMCWTW	85	A
COMCWTW	SB4	B5+1		COMCWTW	COMCWTW	86	A
COMCWTW	WTW3	SB4	B4-B1 CALCULATE FREE DATA SPACE	COMCWTW	COMCWTW	87	A
COMCWTW		SB4	B4-B3 (B4) = TRANSFER LENGTH	COMCWTW	COMCWTW	88	A
COMCWTW	ZR	B4,WTW13	IF NO ROOM	COMCWTW	COMCWTW	89	A
COMCWTW	BX7	X1		COMCWTW	COMCWTW	90	A
COMCWTW	LE	B4,B7,WTW4	IF NOT ENOUGH ROOM	COMCWTW	COMCWTW	91	A
COMCWTW	SB4	B7		COMCWTW	COMCWTW	92	A
COMCWTW				COMCWTW	COMCWTW	93	A
COMCWTW	*	INITIALIZE REGISTERS FOR TRANSFER.		COMCWTW	COMCWTW	94	A
COMCWTW				COMCWTW	COMCWTW	95	A
COMCWTW	WTWA	BSS	0	COMCWTW	COMCWTW	96	A
COMCWTW	WTW4	SA3	WTWC PRESET CMU CODE AND VOID STACK	COMCWTW	COMCWTW	97	A
COMCWTW		RJ	WTW16	COMCWTW	COMCWTW	98	A
COMCWTW	*	SA1	A1+B1 (NO CMU)	COMCWTW	COMCWTW	99	A
COMCWTW	*	SX4	B4-B1 (NO CMU)	COMCWTW	COMCWTW	100	A
COMCWTW	*	MX6	-3 (NO CMU)	COMCWTW	COMCWTW	101	A
COMCWTW	*	SA7	B3 (NO CMU)	COMCWTW	COMCWTW	102	A
COMCWTW	*			COMCWTW	COMCWTW	103	A
COMCWTW	*	GT	B4,B1,WTW14 IF MORE THAN 1 WORD (CMU)	COMCWTW	COMCWTW	104	A
COMCWTW	*	BX4	X4-X4 (CMU)	COMCWTW	COMCWTW	105	A
COMCWTW	*	SA7	B3 (CMU)	COMCWTW	COMCWTW	106	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCWTW

COMCWTW	*	WRITE EXIT.			COMCWTW	COMCWTW	159	A
COMCWTW					COMCWTW	COMCWTW	160	A
COMCWTW		SA3	B5+B2	READ IN	COMCWTW	COMCWTW	161	A
COMCWTW		SA1	A3+B2	(B5) = LIMIT	COMCWTW	COMCWTW	162	A
COMCWTW		SX2	B5		COMCWTW	COMCWTW	163	A
COMCWTW		SB5	X1		COMCWTW	COMCWTW	164	A
COMCWTW		SA4	X2	CHECK BUFFER STATUS	COMCWTW	COMCWTW	165	A
COMCWTW	WTW9	SB6	B6+B4		COMCWTW	COMCWTW	166	A
COMCWTW		SB7	B7-B4		COMCWTW	COMCWTW	167	A
COMCWTW		SB3	X3+B4	ADVANCE IN	COMCWTW	COMCWTW	168	A
COMCWTW		SX6	X3+B4		COMCWTW	COMCWTW	169	A
COMCWTW		LX4	59-0		COMCWTW	COMCWTW	170	A
COMCWTW		SA3	X2+B1	READ FIRST	COMCWTW	COMCWTW	171	A
COMCWTW		SB2	X3+		COMCWTW	COMCWTW	172	A
COMCWTW		NE	B3,B5,WTW10	IF IN .NE. LIMIT	COMCWTW	COMCWTW	173	A
COMCWTW		SX6	X3+	IN = FIRST	COMCWTW	COMCWTW	174	A
COMCWTW	WTX\$	IF	DEF,WTX\$			CPSA242	130	A
COMCWTW	WTX10	EQ	WTW19	CLEAN UP AND RETURN		CPSA242	131	I
	-CPSA261							
COMCWTW	WTW10	EQ	WTW19	CLEAN UP AND RETURN		CPSA261	5	A
COMCWTW	WTX\$	ELSE				CPSA242	132	A
COMCWTW					COMCWTW	COMCWTW	175	A
COMCWTW	*	TRY TO BUFFER AHEAD.			COMCWTW	COMCWTW	176	A
COMCWTW					COMCWTW	COMCWTW	177	A
COMCWTW	WTW10	SA6	A3+B1	STORE IN	COMCWTW	COMCWTW	178	A
COMCWTW		PL	X4,WTW12	IF BUFFER BUSY	COMCWTW	COMCWTW	179	A
COMCWTW		AX3	54	CHECK FOR DT = 61XX (NOS/BE TERMINAL)	COMCWTW	COMCWTW	180	A
COMCWTW		SX3	X3+77B-61B		COMCWTW	COMCWTW	181	A
COMCWTW		ZR	X3,WTW11	IF NOS/BE TERMINAL, FLUSH BUFFER	COMCWTW	COMCWTW	182	A
COMCWTW		SA1	X2+3	READ OUT	COMCWTW	COMCWTW	183	A
COMCWTW		IX6	X1-X6	(OUT-IN)	COMCWTW	COMCWTW	184	A
COMCWTW		SX7	B5-B2	(LIMIT-FIRST)	COMCWTW	COMCWTW	185	A
COMCWTW		LX3	X6,B1	2*(OUT-IN)	COMCWTW	COMCWTW	186	A
COMCWTW		AX6	60	SIGN OF (OUT-IN)	COMCWTW	COMCWTW	187	A
COMCWTW		BX4	X6-X7	INVERT BUFFER IF IN .GE. OUT	COMCWTW	COMCWTW	188	A
COMCWTW		IX6	X4-X3	BUFFER SIZE - 2*(OUT-IN)	COMCWTW	COMCWTW	189	A
COMCWTW		NG	X6,WTW12	IF BUFFER THRESHOLD NOT REACHED	COMCWTW	COMCWTW	190	A
COMCWTW		AX7	9		COMCWTW	COMCWTW	191	A
COMCWTW		ZR	X7,WTW12	IF BUFFER NOT BIG ENOUGH TO WRITE AHEAD	COMCWTW	COMCWTW	192	A
COMCWTW	WTX\$	ENDIF				CPSA242	133	A
COMCWTW	WRIF\$	IF	DEF,WRIF\$		COMCWTW	COMCWTW	193	A
COMCWTW	WTW11	SA1	X2	RE-ISSUE CURRENT WRITE FUNCTION	COMCWTW	COMCWTW	194	A
COMCWTW		SX6	774B		COMCWTW	COMCWTW	195	A
COMCWTW		BX7	X6*X1		COMCWTW	COMCWTW	196	A
COMCWTW		RJ	=XCIO=		COMCWTW	COMCWTW	197	A
COMCWTW	WRIF\$	ELSE	1		COMCWTW	COMCWTW	198	A
COMCWTW	WTW11	WRITE	X2		COMCWTW	COMCWTW	199	A
COMCWTW		NZ	X7,WTWX	IF ERROR IN LAST *CIO* REQUEST, RETURN	COMCWTW	COMCWTW	200	I
	-CPSA104							
COMCWTW		NZ	X7,WTW=	IF ERROR IN LAST *CIO* REQUEST, RETURN	CPSA104	CPSA104	50	A
COMCWTW	WTW12	NZ	B7,WTW1	IF NOT DONE	COMCWTW	COMCWTW	201	A
COMCWTW		EQ	WTWX	RETURN	COMCWTW	COMCWTW	202	I

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCWTW

-CPSA104

1	COMCWTW		EQ	WTW=	RETURN	CPSA104	CPSA104	51	A	1
2	COMCWTW					COMCWTW	COMCWTW	203	A	2
3	COMCWTW	*			DUMP CIRCULAR BUFFER.	COMCWTW	COMCWTW	204	A	3
4	COMCWTW					COMCWTW	COMCWTW	205	A	4
5	COMCWTW	WTW13	SA1	X2	CHECK BUFFER STATUS	COMCWTW	COMCWTW	206	A	5
6	COMCWTW		LX1	59-0		COMCWTW	COMCWTW	207	A	6
7	COMCWTW		NG	X1,WTW11	IF NOT BUSY	COMCWTW	COMCWTW	208	A	7
8	COMCWTW		ZR	X1,WTW11	IF BLANK FET	COMCWTW	COMCWTW	209	A	8
9	COMCWTW		RECALL			COMCWTW	COMCWTW	210	A	9
10	COMCWTW		EQ	WTW1	CONTINUE WRITE	COMCWTW	COMCWTW	211	A	10
11	COMCWTW					COMCWTW	COMCWTW	212	A	11
12	COMCWTW	*			MOVE DATA WITH CMU.	COMCWTW	COMCWTW	213	A	12
13	COMCWTW					COMCWTW	COMCWTW	214	A	13
14	COMCWTW	WTW14	SX4	B4-819		COMCWTW	COMCWTW	215	A	14
15	COMCWTW		PL	X4,WTW15	IF TOO BIG FOR CMU	COMCWTW	COMCWTW	216	A	15
16	COMCWTW		SX4	B4	10 * WORDS = CHARACTERS	COMCWTW	COMCWTW	217	A	16
17	COMCWTW		LX6	X4,B1		COMCWTW	COMCWTW	218	A	17
18	COMCWTW		BX1	X0	SAVE X0	COMCWTW	COMCWTW	219	A	18
19	COMCWTW		LX4	3		COMCWTW	COMCWTW	220	A	19
20	COMCWTW		IX6	X4+X6		COMCWTW	COMCWTW	221	A	20
21	COMCWTW		SX7	B6	SET SOURCE ADDRESS	COMCWTW	COMCWTW	222	A	21
22	COMCWTW		SX4	B3	SET DESTINATION ADDRESS	COMCWTW	COMCWTW	223	A	22
23	COMCWTW		LX7	30		COMCWTW	COMCWTW	224	A	23
24	COMCWTW		BX4	X4+X7		COMCWTW	COMCWTW	225	A	24
25	COMCWTW		MX7	-4		COMCWTW	COMCWTW	226	A	25
26	COMCWTW		BX3	X7*X6	EXTRACT UPPER PORTION	COMCWTW	COMCWTW	227	A	26
27	COMCWTW		BX6	-X7*X6	EXTRACT LOWER PORTION	COMCWTW	COMCWTW	228	A	27
28	COMCWTW		LX3	48-4		COMCWTW	COMCWTW	229	A	28
29	COMCWTW		BX4	X4+X3		COMCWTW	COMCWTW	230	A	29
30	COMCWTW		LX6	26		COMCWTW	COMCWTW	231	A	30
31	COMCWTW		BX6	X4+X6		COMCWTW	COMCWTW	232	A	31
32	COMCWTW		AX3	51		COMCWTW	COMCWTW	233	A	32
33	COMCWTW		SA6	WTWC	STORE DESCRIPTOR WORD	COMCWTW	COMCWTW	234	A	33
34	COMCWTW		IM	WTWC	MOVE DATA	COMCWTW	COMCWTW	235	A	34
35	COMCWTW		BX0	X1	RESTORE X0	COMCWTW	COMCWTW	236	A	35
36	COMCWTW		ZR	X3,WTW18	IF NO WRITE EXIT	COMCWTW	COMCWTW	237	A	36
37	COMCWTW		SA4	X2		COMCWTW	COMCWTW	238	A	37
38	COMCWTW		SX3	B3	RESET IN	COMCWTW	COMCWTW	239	A	38
39	COMCWTW		EQ	WTW9		COMCWTW	COMCWTW	240	A	39
40	COMCWTW					COMCWTW	COMCWTW	241	A	40
41	COMCWTW	WTWB	BSS	0		COMCWTW	COMCWTW	242	A	41
42	COMCWTW	WTW15	SA1	A1+B1	MOVE DATA WITHOUT CMU	COMCWTW	COMCWTW	243	A	42
43	COMCWTW		SX4	B4-B1		COMCWTW	COMCWTW	244	A	43
44	COMCWTW		MX6	-3		COMCWTW	COMCWTW	245	A	44
45	COMCWTW		SA7	B3		COMCWTW	COMCWTW	246	A	45
46	COMCWTW		EQ	WTW5		COMCWTW	COMCWTW	247	A	46
47	COMCWTW					COMCWTW	COMCWTW	248	A	47
48	COMCWTW	*			CMU PRESET CODE.	COMCWTW	COMCWTW	249	A	48
49	COMCWTW	*			WTWC IS READ UP AND THEN RETURN JUMPED TO IN ORDER TO VOID	COMCWTW	COMCWTW	250	A	49
50	COMCWTW	*			THE INSTRUCTION STACK. WTW IS ALSO USED AS THE CMU	COMCWTW	COMCWTW	251	A	50
51	COMCWTW	*			DESCRIPTOR WORD.	COMCWTW	COMCWTW	252	A	51

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCWTW

COMCWTW					COMCWTW	COMCWTW	253	A
COMCWTW	WTWC	GT	B4,B1,WTW14	IF MORE THAN 1 WORD TO MOVE (CMU)	COMCWTW	COMCWTW	254	A
COMCWTW		BX4	X4-X4		COMCWTW	COMCWTW	255	A
COMCWTW		SA7	B3		COMCWTW	COMCWTW	256	A
COMCWTW	WTW16	EQU	WTWC	USED TO VOID STACK	COMCWTW	COMCWTW	257	A
COMCWTW					COMCWTW	COMCWTW	258	A
COMCWTW	*			PRESET FOR CMU CODE.	COMCWTW	COMCWTW	259	A
COMCWTW					COMCWTW	COMCWTW	260	A
COMCWTW		SA4	RA.CMU	CHECK IF CMU AVAILABLE	COMCWTW	COMCWTW	261	A
COMCWTW		SB4	WTWA		COMCWTW	COMCWTW	262	A
COMCWTW		NG	X4,WTW17	IF CMU	COMCWTW	COMCWTW	263	A
COMCWTW		SA3	WTWB		COMCWTW	COMCWTW	264	A
COMCWTW	WTW17	BX6	X3		COMCWTW	COMCWTW	265	A
COMCWTW		SA6	B4		COMCWTW	COMCWTW	266	A
COMCWTW		RJ	*	VOID INSTRUCTION STACK.		CPSA163	8	A
COMCWTW		EQ	WTW1		COMCWTW	COMCWTW	267	A
COMCWTW					COMCWTW	COMCWTW	268	A
COMCWTW	WTX		SPACE 4,10		COMCWTW	COMCWTW	269	A
COMCWTW	**		WTX - WRITE EXIT.		COMCWTW	COMCWTW	270	A
COMCWTW	*		IF BUFFER IS BUSY, RETURN.		COMCWTW	COMCWTW	271	A
COMCWTW	*		IF DEVICE TYPE = 61XX (NOS/BE TERMINAL), ALWAYS ISSUE WRITE.		COMCWTW	COMCWTW	272	A
COMCWTW	*		OTHERWISE, WORD COUNT OF BUFFER IS CHECKED, AND A WRITE		COMCWTW	COMCWTW	273	A
COMCWTW	*		FUNCTION IS REQUESTED IF NECESSARY.		COMCWTW	COMCWTW	274	A
COMCWTW	*				COMCWTW	COMCWTW	275	A
COMCWTW	*		ENTRY (A2) = ADDRESS OF IN.		COMCWTW	COMCWTW	276	A
COMCWTW	*		(A3) = ADDRESS OF FIRST.		COMCWTW	COMCWTW	277	A
COMCWTW	*		(A4) = RETURN ADDRESS.		COMCWTW	COMCWTW	278	A
COMCWTW	*		(B3) = IN+1.		COMCWTW	COMCWTW	279	A
COMCWTW	*		(B4) = OUT.		COMCWTW	COMCWTW	280	A
COMCWTW	*		(B5) = LIMIT.		COMCWTW	COMCWTW	281	A
COMCWTW	*		(X2) = IN		COMCWTW	COMCWTW	282	A
COMCWTW	*		(B1) = 1.		COMCWTW	COMCWTW	283	A
COMCWTW	*				COMCWTW	COMCWTW	284	A
COMCWTW	*		EXIT TO RETURN ADDRESS.		COMCWTW	COMCWTW	285	A
COMCWTW	*				COMCWTW	COMCWTW	286	A
COMCWTW	*		CALLS CIO=.		COMCWTW	COMCWTW	287	A
COMCWTW	*					CPS0303	16	A
COMCWTW	*		MACROS WRITE.			CPS0303	17	A
COMCWTW					COMCWTW	COMCWTW	288	A
COMCWTW					COMCWTW	COMCWTW	289	A
COMCWTW	WTX=	SA1	A3-B1	CHECK BUFFER STATUS	COMCWTW	COMCWTW	290	A
COMCWTW		SX6	X2	STORE IN	COMCWTW	COMCWTW	291	A
COMCWTW		LX1	59		COMCWTW	COMCWTW	292	A
COMCWTW		SA6	A2		COMCWTW	COMCWTW	293	A
COMCWTW	WTX\$	IF	-DEF,WTX\$			CPSA242	134	A
COMCWTW		PL	X1,WTX1	IF BUFFER BUSY	COMCWTW	COMCWTW	294	A
COMCWTW		SA3	A3	CHECK DEVICE TYPE	COMCWTW	COMCWTW	295	A
COMCWTW		BX6	X3		COMCWTW	COMCWTW	296	A
COMCWTW		AX6	54		COMCWTW	COMCWTW	297	A
COMCWTW		SX6	X6+77B-61B		COMCWTW	COMCWTW	298	A
COMCWTW		ZR	X6,WTX0	IF NOS/BE TERMINAL	COMCWTW	COMCWTW	299	A
COMCWTW					COMCWTW	COMCWTW	300	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCWTW

COMCWTW	DCB=	SX1	B2	CHECK BUFFER STATUS	CPSA242	141	A	
COMCWTW		SX6	X2	STORE IN	COMCWTW	COMCWTW	342	A
COMCWTW		LX1	59		COMCWTW	COMCWTW	343	A
COMCWTW		SA6	A2		COMCWTW	COMCWTW	344	A
COMCWTW		NG	X1,DCB1	IF NOT BUSY	COMCWTW	COMCWTW	345	A
COMCWTW		ZR	X1,DCB1	IF BLANK FET	COMCWTW	COMCWTW	346	A
COMCWTW		SX2	A3-B1	RESET FET ADDRESS	CPSA242	142	A	
COMCWTW		RECALL			COMCWTW	COMCWTW	347	A
COMCWTW		SB2	A4-B1	CONTINUE WRITE	COMCWTW	COMCWTW	348	A
COMCWTW		JP	B2		COMCWTW	COMCWTW	349	A
COMCWTW	WRIF\$	IF	DEF,WRIF\$		COMCWTW	COMCWTW	350	A
COMCWTW	DCB1	SA1	A3-B1	RE-ISSUE CURRENT WRITE FUNCTION	COMCWTW	COMCWTW	351	A
COMCWTW		SX6	774B		COMCWTW	COMCWTW	352	A
COMCWTW		BX7	X6*X1		COMCWTW	COMCWTW	353	A
COMCWTW		SX2	A1	SET FET ADDRESS	COMCWTW	COMCWTW	354	A
COMCWTW		RJ	=XCIO=		COMCWTW	COMCWTW	355	A
COMCWTW	WRIF\$	ELSE	1		COMCWTW	COMCWTW	356	A
COMCWTW	DCB1	WRITE	A3-B1		COMCWTW	COMCWTW	357	A
COMCWTW		SB2	A4-B1	CONTINUE WRITE	COMCWTW	COMCWTW	358	A
COMCWTW		JP	B2		COMCWTW	COMCWTW	359	A
COMCWTW	WTW	SPACE	4,10		COMCWTW	COMCWTW	360	A
COMCWTW		BASE	*		COMCWTW	COMCWTW	361	A
COMCWTW	QUAL\$	IF	-DEF,QUAL\$		COMCWTW	COMCWTW	362	A
COMCWTW		QUAL	*		COMCWTW	COMCWTW	363	A
COMCWTW	WTW=	EQU	/COMCWTW/WTW=		COMCWTW	COMCWTW	364	A
COMCWTW	WTX=	EQU	/COMCWTW/WTX=		COMCWTW	COMCWTW	365	A
COMCWTW	DCB=	EQU	/COMCWTW/DCB=		COMCWTW	COMCWTW	366	A
COMCWTW	QUAL\$	ENDIF			COMCWTW	COMCWTW	367	A
COMCWTW	WTW	ENDX			COMCWTW	COMCWTW	368	A

## SUMMARY OF UPDATE IDENTIFIERS WITHIN DECK - COMCWTW

IDENTIFIER	TOTAL	ACTIVE
COMCWTW	368	362
CPSA104	4	4
CPSA163	1	1
CPS0303	7	7
CPSA242	30	29
CPSA261	1	1

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCXJR

COMCXJR	*COMDECK	COMCXJR	RESTORE REGISTERS VIA *XJR* MONITOR CALL.	COMCXJR	COMCXJR	1	A
COMCXJR	XJR	CTEXT	COMCXJR - RESTORE REGISTERS.	COMCXJR	COMCXJR	2	A
COMCXJR	XJR	SPACE	4,10	COMCXJR	COMCXJR	3	A
COMCXJR		IF	-DEF,QUAL\$,1	COMCXJR	COMCXJR	4	A
COMCXJR		QUAL	COMCXJR	COMCXJR	COMCXJR	5	A
COMCXJR		BASE	D	COMCXJR	COMCXJR	6	A
COMCXJR	*	COMMENT	COPYRIGHT CONTROL DATA CORPORATION. 1978.	COMCXJR	COMCXJR	7	A
COMCXJR	XJR	SPACE	4,10	COMCXJR	COMCXJR	8	A
COMCXJR	***	XJR	- RESTORE ALL REGISTERS WITH A SYSTEM *XJR* CALL.	COMCXJR	COMCXJR	9	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCXJR

COMCXJR	*				COMCXJR	COMCXJR	10	A
COMCXJR	*	P. C. TAM.	77/07/07.		COMCXJR	COMCXJR	11	A
COMCXJR	*					CPSA245	203	A
COMCXJR	*	*****				CPSA245	204	A
COMCXJR	*	* THIS COMMON DECK IS PART OF THE COMMON COMMON DECKS *				CPSA245	205	A
COMCXJR	*	* RESIDING ON THE COMPASS PROGRAM LIBRARY, AND BEING *				CPSA245	206	A
COMCXJR	*	* MAINTAINED BY THE COMPASS PROJECT. ANY CHANGES *				CPSA245	207	A
COMCXJR	*	* REQUIRED SHOULD BE DIRECTED TO THE COMPASS PROJECT *				CPSA245	208	A
COMCXJR	*	* THROUGH THE PROPER PROCEDURE. *				CPSA245	209	A
COMCXJR	*	*****				CPSA245	210	A
COMCXJR	*					CPSA245	211	A
COMCXJR	*				COMCXJR	COMCXJR	12	A
COMCXJR	*	XJR RESTORES ALL REGISTERS FROM A REGISTER SAVE AREA.			COMCXJR	COMCXJR	13	A
COMCXJR	XJR	SPACE 4,10			COMCXJR	COMCXJR	14	A
COMCXJR	***	XJR RESTORES ALL REGISTERS FROM A REGISTER SAVE AREA.			COMCXJR	COMCXJR	15	A
COMCXJR	*	THE REGISTERS ARE SAVED IN THE FOLLOWING ORDER -			COMCXJR	COMCXJR	16	A
COMCXJR	*	B0, B1, ..., B7, A0, A1, ..., A7, X0, X1, ..., X7.			COMCXJR	COMCXJR	17	A
COMCXJR	*	EACH REGISTER OCCUPIES A FULL WORD, WITH B AND A REGISTER			COMCXJR	COMCXJR	18	A
COMCXJR	*	VALUES IN BITS 17-0.			COMCXJR	COMCXJR	19	A
COMCXJR	*				COMCXJR	COMCXJR	20	A
COMCXJR	*	ENTRY (X1) = ADDRESS OF THE REGISTER SAVE AREA.			COMCXJR	COMCXJR	21	A
COMCXJR	*				COMCXJR	COMCXJR	22	A
COMCXJR	*	EXIT ALL REGISTERS SET TO THE CONTENTS OF THE REGISTER			COMCXJR	COMCXJR	23	A
COMCXJR	*	SAVE AREA.			COMCXJR	COMCXJR	24	A
COMCXJR	*				COMCXJR	COMCXJR	25	A
COMCXJR	*	USES X - 0, 1, 2, 3, 4, 5, 6, 7.			COMCXJR	COMCXJR	26	A
COMCXJR	*	B - 0, 1, 2, 3, 4, 5, 6, 7.			COMCXJR	COMCXJR	27	A
COMCXJR	*	A - 0, 1, 2, 3, 4, 5, 6, 7.			COMCXJR	COMCXJR	28	A
COMCXJR	*				COMCXJR	COMCXJR	29	A
COMCXJR	*	CALLS NONE.			COMCXJR	COMCXJR	30	A
COMCXJR	XJR	SPACE 4,10			COMCXJR	COMCXJR	31	A
COMCXJR	SAVEB	EQU 0			COMCXJR	COMCXJR	32	A
COMCXJR	SAVEA	EQU 8			COMCXJR	COMCXJR	33	A
COMCXJR	SAVEX	EQU 16			COMCXJR	COMCXJR	34	A
COMCXJR					COMCXJR	COMCXJR	35	A
COMCXJR	XJR	SUBR ENTRY/EXIT			COMCXJR	COMCXJR	36	A
COMCXJR		IF -DEF,B1=1,1			COMCXJR	COMCXJR	37	A
COMCXJR		SB1 1			COMCXJR	COMCXJR	38	A
COMCXJR		MX0 -18 (X0) = 77777777777777000000B			COMCXJR	COMCXJR	39	A
COMCXJR		SB2 7 (B2) = NUMBER OF HIGHEST REGISTER			COMCXJR	COMCXJR	40	A
COMCXJR					COMCXJR	COMCXJR	41	A
COMCXJR	*	COPY REGISTERS FROM THE SAVED FORMAT TO THE EXCHANGE			COMCXJR	COMCXJR	42	A
COMCXJR	*	PACKAGE FORMAT.			COMCXJR	COMCXJR	43	A
COMCXJR					COMCXJR	COMCXJR	44	A
COMCXJR	XJR1	SB4 B2+X1			COMCXJR	COMCXJR	45	A
COMCXJR		SA2 SAVEA+B4 (X2) - A.(B2)			COMCXJR	COMCXJR	46	A
COMCXJR		SA3 B4 (X3) - B.(B2)			COMCXJR	COMCXJR	47	A
COMCXJR		BX2 -X0*X2 CLEAR UPPER BITS			COMCXJR	COMCXJR	48	A
COMCXJR		SA4 SAVEX+B4 (X4) - X.(B2)			COMCXJR	COMCXJR	49	A
COMCXJR		BX3 -X0*X3 CLEAR UPPER BITS			COMCXJR	COMCXJR	50	A
COMCXJR		LX2 18D (X2) = POSITIONED A.(B2)			COMCXJR	COMCXJR	51	A
COMCXJR		BX6 X2+X3 (X6) = A.(B2) AND B.(B2) PACKED			COMCXJR	COMCXJR	52	A
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMCZTB

COMCZTB	55	55
F4720D	1	1
CPSA245	9	9

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CPUREL

CPUREL	*DECK	CPUREL	CPUREL	CPUREL	CPUREL	1	A
CPUREL		IDENT	CPU.ARG	CPUREL	CPUREL	2	A
CPUREL		ENTRY	ARG=	CPUREL	CPUREL	3	A
CPUREL	ARG	TITLE	ARG - PROCESS ARGUMENTS.	CPUREL	CPUREL	4	A
CPUREL		COMMENT	PROCESS ARGUMENTS.	CPUREL	CPUREL	5	A
CPUREL		COMMENT	COPYRIGHT CONTROL DATA CORPORATION. 1978.	CPUREL	CPUREL	6	A
CPUREL	*CALL	COMCARG		CPUREL	CPUREL	7	A
CPUREL	ARG=	EQU	ARG	CPUREL	CPUREL	8	I
CPUREL	-F4720D						
CPUREL		END		CPUREL	CPUREL	9	A
CPUREL		IDENT	CPU.CDD	CPUREL	CPUREL	10	A
CPUREL		ENTRY	CDD=	CPUREL	CPUREL	11	A
CPUREL	CDD	TITLE	CDD - CONVERT CONSTANT TO DECIMAL DISPLAY CODE.	CPUREL	CPUREL	12	A
CPUREL		COMMENT	CONVERT CONSTANT TO DECIMAL DISPLAY CODE.	CPUREL	CPUREL	13	A
CPUREL		COMMENT	COPYRIGHT CONTROL DATA CORPORATION. 1978.	CPUREL	CPUREL	14	A
CPUREL	*CALL	COMCCDD		CPUREL	CPUREL	15	A
CPUREL	CDD=	EQU	CDD	CPUREL	CPUREL	16	I
CPUREL	-F4720D						
CPUREL		END		CPUREL	CPUREL	17	A
CPUREL		IDENT	CPU.CFD	CPUREL	CPUREL	18	A
CPUREL		ENTRY	CFD=	CPUREL	CPUREL	19	A
CPUREL	CFD	TITLE	CFD - CONVERT CONSTANT TO F10.3 FORMAT.	CPUREL	CPUREL	20	A
CPUREL		COMMENT	CONVERT CONSTANT TO F10.3 FORMAT.	CPUREL	CPUREL	21	A
CPUREL		COMMENT	COPYRIGHT CONTROL DATA CORPORATION. 1978.	CPUREL	CPUREL	22	A
CPUREL	*CALL	COMCCFD		CPUREL	CPUREL	23	A
CPUREL	CFD=	EQU	CFD	CPUREL	CPUREL	24	I
CPUREL	-F4720D						
CPUREL		END		CPUREL	CPUREL	25	A
CPUREL	*IF -DEF,SC2MACRO				F4720B	5	A
CPUREL		IDENT	CPU.CIO	CPUREL	CPUREL	26	A
CPUREL		ENTRY	CIO=	CPUREL	CPUREL	27	A
CPUREL	CIO	TITLE	CIO - I/O FUNCTION PROCESSOR.	CPUREL	CPUREL	28	A
CPUREL		COMMENT	I/O FUNCTION PROCESSOR.	CPUREL	CPUREL	29	A
CPUREL		COMMENT	COPYRIGHT CONTROL DATA CORPORATION. 1978.	CPUREL	CPUREL	30	A
CPUREL	*CALL	COMCCIO		CPUREL	CPUREL	31	A
CPUREL		END		CPUREL	CPUREL	32	A
CPUREL	*ENDIF				F4720B	6	A
CPUREL		IDENT	CPU.COD	CPUREL	CPUREL	33	A
CPUREL		ENTRY	COD=	CPUREL	CPUREL	34	A
CPUREL	COD	TITLE	COD - CONVERT CONSTANT TO OCTAL DISPLAY CODE.	CPUREL	CPUREL	35	A
CPUREL		COMMENT	CONVERT CONSTANT TO OCTAL DISPLAY CODE.	CPUREL	CPUREL	36	A
CPUREL		COMMENT	COPYRIGHT CONTROL DATA CORPORATION. 1978.	CPUREL	CPUREL	37	A
CPUREL	*CALL	COMCCOD		CPUREL	CPUREL	38	A
CPUREL	COD=	EQU	COD	CPUREL	CPUREL	39	I
CPUREL	-F4720D						
CPUREL		END		CPUREL	CPUREL	40	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CPUREL

CPUREL	IDENT	CPU.CPT	CPUREL	CPUREL	41	A
CPUREL	ENTRY	CPT=	CPUREL	CPUREL	42	A
CPUREL	CPT	TITLE	CPUREL	CPUREL	43	A
CPUREL		COMMENT	CPUREL	CPUREL	44	A
CPUREL		COMMENT	CPUREL	CPUREL	45	A
CPUREL	*CALL	COMCCPT	CPUREL	CPUREL	46	A
CPUREL	CPT=	EQU	CPUREL	CPUREL	47	I
CPUREL	-F4720D					
CPUREL	END		CPUREL	CPUREL	48	A
CPUREL	IDENT	CPU.DXB	CPUREL	CPUREL	49	A
CPUREL	ENTRY	DXB=	CPUREL	CPUREL	50	A
CPUREL	DXB	TITLE	CPUREL	CPUREL	51	A
CPUREL		COMMENT	CPUREL	CPUREL	52	A
CPUREL		COMMENT	CPUREL	CPUREL	53	A
CPUREL	*CALL	COMCDXB	CPUREL	CPUREL	54	A
CPUREL	DXB=	EQU	CPUREL	CPUREL	55	I
CPUREL	-F4720D					
CPUREL	END		CPUREL	CPUREL	56	A
CPUREL	IDENT	CPU.MNS		F4720C	424	A
CPUREL	ENTRY	MNS=		F4720C	425	A
CPUREL	SYSCOM	B1		F233CMU	158	A
CPUREL				F4720C	426	A
CPUREL	MNS	TITLE		F4720C	427	A
CPUREL				F4720C	428	A
CPUREL		COMMENT		F4720C	429	A
CPUREL		COMMENT		F4720C	430	A
CPUREL	*CALL	COMCMNS		F4720C	431	A
CPUREL				F4720C	432	A
CPUREL	END			F4720C	433	A
CPUREL	IDENT	CPU.MOS		F4720C	434	A
CPUREL	ENTRY	MOS=		F4720C	435	A
CPUREL				F4720C	436	A
CPUREL	MOS	TITLE		F4720C	437	A
CPUREL				F4720C	438	A
CPUREL		COMMENT		F4720C	439	A
CPUREL		COMMENT		F4720C	440	A
CPUREL	*CALL	COMCMOS		F4720C	441	A
CPUREL				F4720C	442	A
CPUREL	MOS=	EQU		F4720C	443	I
CPUREL	-F4720D					
CPUREL	END			F4720C	444	A
CPUREL	IDENT	CPU.MVE	CPUREL	CPUREL	57	A
CPUREL	ENTRY	MVE=	CPUREL	CPUREL	58	A
CPUREL		SYSCOM	CPUREL	CPUREL	59	A
CPUREL	MVE	TITLE	CPUREL	CPUREL	60	A
CPUREL		COMMENT	CPUREL	CPUREL	61	A
CPUREL		COMMENT	CPUREL	CPUREL	62	A
CPUREL	*CALL	COMCMVE	CPUREL	CPUREL	63	A
CPUREL	END		CPUREL	CPUREL	64	A
CPUREL	*IF -DEF,SC2MACRO			F4720B	7	A
CPUREL	IDENT	CPU.RDC	CPUREL	CPUREL	65	A
CPUREL	ENTRY	RDC=	CPUREL	CPUREL	66	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CPUREL

CPUREL	*CALL	COMCSYS	CPUREL	CPUREL	161	A
CPUREL		END	CPUREL	CPUREL	162	A
CPUREL	*ENDIF			F4720B	12	A
CPUREL		IDENT CPU.UPC	CPUREL	CPUREL	163	A
CPUREL		ENTRY UPC=	CPUREL	CPUREL	164	A
CPUREL	UPC	TITLE UPC - UNPACK CONTROL CARD.	CPUREL	CPUREL	165	A
CPUREL		COMMENT UNPACK CONTROL CARD.	CPUREL	CPUREL	166	A
CPUREL		COMMENT COPYRIGHT CONTROL DATA CORPORATION. 1978.	CPUREL	CPUREL	167	A
CPUREL	*CALL	COMCUPC	CPUREL	CPUREL	168	A
CPUREL	UPC=	EQU UPC	CPUREL	CPUREL	169	I
CPUREL	-F4720D					
CPUREL		END	CPUREL	CPUREL	170	A
CPUREL		IDENT CPU.WOD	CPUREL	CPUREL	171	A
CPUREL		ENTRY WOD=	CPUREL	CPUREL	172	A
CPUREL	WOD	TITLE WOD - CONVERT WORD TO OCTAL DISPLAY CODE.	CPUREL	CPUREL	173	A
CPUREL		COMMENT CONVERT WORD TO OCTAL DISPLAY CODE.	CPUREL	CPUREL	174	A
CPUREL		COMMENT COPYRIGHT CONTROL DATA CORPORATION. 1978.	CPUREL	CPUREL	175	A
CPUREL	*CALL	COMCWOD	CPUREL	CPUREL	176	A
CPUREL	WOD=	EQU WOD	CPUREL	CPUREL	177	I
CPUREL	-F4720D					
CPUREL		END	CPUREL	CPUREL	178	A
CPUREL	*IF -DEF,SC2MACRO			F4720B	13	A
CPUREL		IDENT CPU.WTC	CPUREL	CPUREL	179	A
CPUREL		ENTRY WTC=	CPUREL	CPUREL	180	A
CPUREL	WTC	TITLE WTC - WRITE CODED LINE, *C* FORMAT.	CPUREL	CPUREL	181	A
CPUREL		COMMENT WRITE CODED LINE, *C* FORMAT.	CPUREL	CPUREL	182	A
CPUREL		COMMENT COPYRIGHT CONTROL DATA CORPORATION. 1978.	CPUREL	CPUREL	183	A
CPUREL	*CALL	COMCWTC	CPUREL	CPUREL	184	A
CPUREL		END	CPUREL	CPUREL	185	A
CPUREL		IDENT CPU.WTH	CPUREL	CPUREL	186	A
CPUREL		ENTRY WTH=	CPUREL	CPUREL	187	A
CPUREL	WTH	TITLE WTH - WRITE CODED LINE, *H* FORMAT.	CPUREL	CPUREL	188	A
CPUREL		COMMENT WRITE CODED LINE, *H* FORMAT.	CPUREL	CPUREL	189	A
CPUREL		COMMENT COPYRIGHT CONTROL DATA CORPORATION. 1978.	CPUREL	CPUREL	190	A
CPUREL	*CALL	COMCWTH	CPUREL	CPUREL	191	A
CPUREL		END	CPUREL	CPUREL	192	A
CPUREL		IDENT CPU.WTO	CPUREL	CPUREL	193	A
CPUREL		ENTRY WTO=	CPUREL	CPUREL	194	A
CPUREL	WTO	TITLE WTO - WRITE ONE WORD.	CPUREL	CPUREL	195	A
CPUREL		COMMENT WRITE ONE WORD.	CPUREL	CPUREL	196	A
CPUREL		COMMENT COPYRIGHT CONTROL DATA CORPORATION. 1978.	CPUREL	CPUREL	197	A
CPUREL	*CALL	COMCWTO	CPUREL	CPUREL	198	A
CPUREL		END	CPUREL	CPUREL	199	A
CPUREL		IDENT CPU.WTS	CPUREL	CPUREL	200	A
CPUREL		ENTRY WTS=	CPUREL	CPUREL	201	A
CPUREL	WTS	TITLE WTS - WRITE CODED LINE FROM STRING BUFFER.	CPUREL	CPUREL	202	A
CPUREL		COMMENT WRITE CODED LINE FROM STRING BUFFER.	CPUREL	CPUREL	203	A
CPUREL		COMMENT COPYRIGHT CONTROL DATA CORPORATION. 1978.	CPUREL	CPUREL	204	A
CPUREL	*CALL	COMCWTS	CPUREL	CPUREL	205	A
CPUREL		END	CPUREL	CPUREL	206	A
CPUREL		IDENT CPU.WTW	CPUREL	CPUREL	207	A
CPUREL		ENTRY WTW=	CPUREL	CPUREL	208	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CPUREL

	CPUREL		ENTRY	WTX=	CPUREL	CPUREL	209	A	
1	CPUREL		ENTRY	DCB=	CPUREL	CPUREL	210	A	1
2	CPUREL		SYSCOM		CPUREL	CPUREL	211	A	2
3	CPUREL	WTW	TITLE	WTW - WRITE WORDS FROM WORKING BUFFER.	CPUREL	CPUREL	212	A	3
4	CPUREL		COMMENT	WRITE WORDS FROM WORKING BUFFER.	CPUREL	CPUREL	213	A	5
5	CPUREL		COMMENT	COPYRIGHT CONTROL DATA CORPORATION. 1978.	CPUREL	CPUREL	214	A	6
6	CPUREL	*CALL	COMCWTW		CPUREL	CPUREL	215	A	7
7	CPUREL		END		CPUREL	CPUREL	216	A	9
8	CPUREL		IDENT	CPU.XJR	CPUREL	CPUREL	217	A	10
9	CPUREL		ENTRY	XJR=	CPUREL	CPUREL	218	A	11
10	CPUREL	XJR	TITLE	XJR - RESTORE REGISTERS VIA *XJR* MONITOR CALL.	CPUREL	CPUREL	219	A	13
11	CPUREL		COMMENT	RESTORE REGISTERS VIA *XJR* MONITOR CALL.	CPUREL	CPUREL	220	A	14
12	CPUREL		COMMENT	COPYRIGHT CONTROL DATA CORPORATION. 1978.	CPUREL	CPUREL	221	A	15
13	CPUREL	*CALL	COMCXJR		CPUREL	CPUREL	222	A	17
14	CPUREL	XJR=	EQU	XJR	CPUREL	CPUREL	223	I	18
15		-F4720D							19
16	CPUREL		END		CPUREL	CPUREL	224	A	21
17	CPUREL	*ENDIF				F4720B	14	A	22
18	CPUREL		IDENT	CPU.ZTB	CPUREL	CPUREL	225	A	23
19	CPUREL		ENTRY	ZTB=	CPUREL	CPUREL	226	A	25
20	CPUREL	ZTB	TITLE	ZTB - CONVERT ZEROES TO BLANKS IN A WORD.	CPUREL	CPUREL	227	A	26
21	CPUREL		COMMENT	CONVERT ZEROES TO BLANKS IN A WORD.	CPUREL	CPUREL	228	A	27
22	CPUREL		COMMENT	COPYRIGHT CONTROL DATA CORPORATION. 1978.	CPUREL	CPUREL	229	A	29
23	CPUREL	*CALL	COMCZTB		CPUREL	CPUREL	230	A	30
24	CPUREL	ZTB=	EQU	ZTB	CPUREL	CPUREL	231	I	31
25		-F4720D							32
26	CPUREL		END		CPUREL	CPUREL	232	A	33

## SUMMARY OF UPDATE IDENTIFIERS WITHIN DECK - CPUREL

IDENTIFIER	TOTAL	ACTIVE
CPUREL	232	216
F4720B	10	10
F4720C	21	20
F233CMU	1	1

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CALLCPU

CALLCPU	*DECK	CALLCPU	CALLCPU	CALLCPU	1	A
CALLCPU		IDENT	CALLCPU	CALLCPU	2	A
CALLCPU		SYSCOM	B1	CALLCPU	3	A
CALLCPU		LIST	F,X	CALLCPU	4	A
CALLCPU	CALLCPU	TITLE	CALLCPU - CALL CPU COMMON DECKS.	CALLCPU	5	A
CALLCPU		COMMENT	CALL CPU COMMON DECKS.	CALLCPU	6	A
CALLCPU		COMMENT	COPYRIGHT CONTROL DATA CORPORATION. 1978.	CALLCPU	7	A
CALLCPU	CALLCPU	SPACE	4,10	CALLCPU	8	A
CALLCPU	***	CALLCPU	- CALL CPU COMMON DECKS.	CALLCPU	9	A
CALLCPU	*			CALLCPU	10	A
CALLCPU	*	THIS PROGRAM EXISTS TO PROVIDE AN EASY MEANS OF LISTING		CALLCPU	11	A
CALLCPU	*	THE STANDARD CPU COMMON DECKS. IT IS NOT INTENDED TO BE		CALLCPU	12	A
CALLCPU	*	EXECUTED.		CALLCPU	13	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CALLCPU

CALLCPU	CALLCPU	SPACE 4,10	CALLCPU	CALLCPU	14	A
CALLCPU ***	THE COMMON DECKS LISTED HERE CONSTITUTE A STANDARD SET OF	CALLCPU CALLCPU	15	A		
CALLCPU *	COMPASS SUBROUTINES FOR USE BY ALL CYBER 170 PRODUCTS.	CALLCPU CALLCPU	16	A		
CALLCPU *	ALL SUBROUTINES RUN ON BOTH NOS AND NOS/BE AND PRODUCE THE	CALLCPU CALLCPU	17	A		
CALLCPU *	SAME CODE ON BOTH SYSTEMS. THEY MAY BE ASSEMBLED USING THE	CALLCPU CALLCPU	18	A		
CALLCPU *	COMMON SYSTEMS TEXT *CPUTEXT*.	CALLCPU CALLCPU	19	A		
CALLCPU	SPACE 4,8	F4720A	30	A		
CALLCPU ***	SOME GENERAL RULES APPLY TO THE USE OF ALL OF THESE COMMON	F4720A	31	A		
CALLCPU *	DECKS. ANY SUCH GENERAL RULES ARE STATED HERE IN A	F4720A	32	A		
CALLCPU *	CENTRALIZED PLACE AND ARE AS FOLLOWS --	F4720A	33	A		
CALLCPU *		F4720A	34	A		
CALLCPU *	1) ANY I/O BUFFERS, STRING BUFFERS, EXCHANGE PACKAGE SAVE	F4720A	35	A		
CALLCPU *	AREAS, ETC. TO BE USED BY ANY OF THESE COMMON DECKS SHOULD	F4720A	36	A		
CALLCPU *	NOT BE LOCATED WITHIN THE LAST 10B WORDS OF THE FIELD LENGTH.	F4720A	37	A		
CALLCPU *	SOME FETCH LOOPS, MOVE LOOPS, ETC. ARE WRITTEN FOR OPTIMAL	F4720A	38	A		
CALLCPU *	PERFORMANCE AND MAY MODE OUT IF THE ABOVE RESTRICTION IS NOT	F4720A	39	A		
CALLCPU *	ADHERED TO. THIS IS NOT CONSIDERED A BUG BUT A USER ERROR.	F4720A	40	A		
CALLCPU *		F4720A	41	A		
CALLCPU *	2) REGISTERS USED BY EACH COMMON DECK ARE DOCUMENTED AS SUCH.	F4720A	42	A		
CALLCPU *	REGISTERS WHICH ARE NOT USED BY THE COMMON DECKS ARE	F4720A	43	A		
CALLCPU *	UNCHANGED AND MAY BE CONSIDERED PRESERVED. THESE REGISTER	F4720A	44	A		
CALLCPU *	CONVENTIONS MAY NOT BE CHANGED AND ARE CONSIDERED TO BE SET	F4720A	45	A		
CALLCPU *	IN CONCRETE FOREVER.	F4720A	46	A		
CALLCPU *		F4720A	47	A		
CALLCPU *	3) ENTRY AND EXIT CONDITIONS ARE EXACTLY AND ONLY THOSE	F4720A	48	A		
CALLCPU *	WHICH ARE DOCUMENTED WITHIN EACH COMMON DECK. THE CALLER	F4720A	49	A		
CALLCPU *	SHOULD NOT RELY ON UNDOCUMENTED EXIT CONDITIONS, AS THESE	F4720A	50	A		
CALLCPU *	MAY CHANGE FROM TIME TO TIME.	F4720A	51	A		
CALLCPU	SPACE 4,8	F4720A	52	A		
CALLCPU *	NOTE THAT IDENT NAMES CHANGING ANY OF THESE COMMON DECKS ARE	F4720A	53	A		
CALLCPU *	RESTRICTED TO SEVEN CHARACTERS OR LESS. THIS RESTRICTION IS	F4720A	54	A		
CALLCPU *	NEEDED TO ENSURE THAT *UPMOD* ON *NOS* MAY BE RUN TO GENERATE	F4720A	55	A		
CALLCPU *	AN *OPL* CONTAINING THESE COMMON DECKS SO THAT THESE DECKS	F4720A	56	A		
CALLCPU *	MAY ALSO BE USED BY *MODIFY* BASED PRODUCTS ON *NOS*.	F4720A	57	A		
CALLCPU	SPACE 4,8	F4720A	58	A		
CALLCPU *	DOCUMENTATION FOR THESE DECKS MAY BE OBTAINED BY USING	F4720A	59	A		
CALLCPU *	*UPMOD* ON *NOS* TO CREATE AN *OPL*, EDITING *CALLCPU*,	F4720A	60	A		
CALLCPU *	AND MAKING A *DOCUMENT* RUN.	F4720A	61	A		
CALLCPU CALLCPU	SPACE 4,10	CALLCPU CALLCPU	20	A		
CALLCPU *	EQUIVALENCES FOR *COMCMTP*.	CALLCPU CALLCPU	21	A		
CALLCPU		CALLCPU CALLCPU	22	A		
CALLCPU MEML	EQU 0	CALLCPU CALLCPU	23	A		
CALLCPU TOV	EQU 0	CALLCPU CALLCPU	24	A		
CALLCPU *CALL	COMCARG	CALLCPU CALLCPU	25	A		
CALLCPU *CALL	COMCCDD	CALLCPU CALLCPU	26	A		
CALLCPU *CALL	COMCCFD	CALLCPU CALLCPU	27	A		
CALLCPU *IF -DEF,SC2MACRO		F4720B	15	A		
CALLCPU *CALL	COMCCIO	CALLCPU CALLCPU	28	A		
CALLCPU *ENDIF		F4720B	16	A		
CALLCPU *CALL	COMCCOD	CALLCPU CALLCPU	29	A		
CALLCPU *IF -DEF,SC2MACRO		CPSA289	5	A		
CALLCPU *CALL	COMCCPM	CPSA289	6	A		
0	1	2	3	4	5	6
123456789012345678901234567890123456789012345678901234567890						

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CALLCPU

	CALLCPU	*ENDIF			CPSA289	7	A		
1	CALLCPU	*CALL	COMCCPT		CALLCPU	CALLCPU	30	A	1
2	CALLCPU	*CALL	COMCDXB		CALLCPU	CALLCPU	31	A	2
3	CALLCPU	*CALL	COMCMNS			F4720C	445	A	3
4	CALLCPU	*CALL	COMCMOS			F4720C	446	A	4
5	CALLCPU	*CALL	COMCMTM		CALLCPU	CALLCPU	32	A	5
6	CALLCPU	*CALL	COMCMTP		CALLCPU	CALLCPU	33	A	6
7	CALLCPU	*CALL	COMCMVE		CALLCPU	CALLCPU	34	A	7
8	CALLCPU	*IF -DEF,SC2MACRO				F4720B	17	A	8
9	CALLCPU	*CALL	COMCRDC		CALLCPU	CALLCPU	35	A	9
10	CALLCPU	*CALL	COMCRDH		CALLCPU	CALLCPU	36	A	10
11	CALLCPU	*CALL	COMCRDO		CALLCPU	CALLCPU	37	A	11
12	CALLCPU	*CALL	COMCRDS		CALLCPU	CALLCPU	38	A	12
13	CALLCPU	*CALL	COMCRDW		CALLCPU	CALLCPU	39	A	13
14	CALLCPU	*ENDIF				F4720B	18	A	14
15	CALLCPU	*CALL	COMCRSR		CALLCPU	CALLCPU	40	A	15
16	CALLCPU	*CALL	COMCSFN		CALLCPU	CALLCPU	41	A	16
17	CALLCPU	*CALL	COMCSRT		CALLCPU	CALLCPU	42	A	17
18	CALLCPU	*CALL	COMCSST		CALLCPU	CALLCPU	43	A	18
19	CALLCPU	*IF -DEF,SC2MACRO				F4720B	19	A	19
20	CALLCPU	*CALL	COMCSTF		CALLCPU	CALLCPU	44	A	20
21	CALLCPU	*ENDIF				F4720B	20	A	21
22	CALLCPU	*CALL	COMCSVR		CALLCPU	CALLCPU	45	A	22
23	CALLCPU	*IF -DEF,SC2MACRO				F4720B	21	A	23
24	CALLCPU	*CALL	COMCSYS		CALLCPU	CALLCPU	46	A	24
25	CALLCPU	*ENDIF				F4720B	22	A	25
26	CALLCPU	*CALL	COMCUPC		CALLCPU	CALLCPU	47	A	26
27	CALLCPU	*CALL	COMCWOD		CALLCPU	CALLCPU	48	A	27
28	CALLCPU	*IF -DEF,SC2MACRO				F4720B	23	A	28
29	CALLCPU	*CALL	COMCWTC		CALLCPU	CALLCPU	49	A	29
30	CALLCPU	*CALL	COMCWTH		CALLCPU	CALLCPU	50	A	30
31	CALLCPU	*CALL	COMCWTO		CALLCPU	CALLCPU	51	A	31
32	CALLCPU	*CALL	COMCWTS		CALLCPU	CALLCPU	52	A	32
33	CALLCPU	*CALL	COMCWTW		CALLCPU	CALLCPU	53	A	33
34	CALLCPU	*CALL	COMCXJR		CALLCPU	CALLCPU	54	A	34
35	CALLCPU	*ENDIF				F4720B	24	A	35
36	CALLCPU	*CALL	COMCZTB		CALLCPU	CALLCPU	55	A	36
37	CALLCPU		END		CALLCPU	CALLCPU	56	A	37

## SUMMARY OF UPDATE IDENTIFIERS WITHIN DECK - CALLCPU

IDENTIFIER	TOTAL	ACTIVE
CALLCPU	56	56
F4720A	32	32
F4720B	10	10
F4720C	2	2
CPSA289	3	3

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CWEOR

51	CWEOR	*DECK	CWEOR																	S013	67
52																				68	
53	0	1	2	3	4	5	6	7	8											70	
54	1234567890123456789012345678901234567890123456789012345678901234567890																		71		
																				72	

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CWEOR

&gt;&gt;&gt;&gt;

3

CWEOR

1

A

CWEOR

\*CWEOR,0

S013

4

CWEOR

2

A

## SUMMARY OF UPDATE IDENTIFIERS WITHIN DECK - CWEOR

IDENTIFIER

TOTAL

ACTIVE

CWEOR

2

2

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPCOM

COMPCOM

\*COMDECK

COMPCOM

COMPCOM

1

A

COMPCOM

COMPCOM

TITLE COMPCOM - COMPILER / ASSEMBLER COMMUNICATION AREA.

COMPCOM

2

A

COMPCOM

COMPCOM

3

A

COMPCOM

\*\*

COMPCOM - COMPILER / ASSEMBLER COMMUNICATION AREA.

COMPCOM

4

A

COMPCOM

\*

COMPCOM

5

A

COMPCOM

\*

COMPCOM

6

A

COMPCOM

\*

COMPCOM CONTAINS ALL INFORMATION PASSED BETWEEN

COMPCOM

7

A

COMPCOM

\*

COMPASS AND A COMPILER CALLING COMPASS AS A LEVEL (1,0)

COMPCOM

8

A

COMPCOM

\*

OVERLAY TO PROCESS COMPASS SOURCE SUBPROGRAMS OCCURRING

COMPCOM

9

A

COMPCOM

\*

BETWEEN COMPILER LANGUAGE SUBPROGRAMS, OR TO ASSEMBLE

COMPCOM

10

A

COMPCOM

\*

OBJECT PROGRAMS PRODUCED BY THE COMPILER IN THE FORM OF

COMPCOM

11

A

COMPCOM

\*

COMPASS SOURCE STATEMENTS. COMPCOM IS A COMMON DECK IN

COMPCOM

12

A

COMPCOM

\*

THE COMPASS PROGRAM LIBRARY FILE, AND IS ACCESSED BY

COMPCOM

13

A

COMPCOM

\*

COMPASS VIA AN UPDATE \*CALL CARD AND BY COMPILERS VIA

COMPCOM

14

A

COMPCOM

\*

COMPASS XTEXT PSEUDO INSTRUCTIONS.

COMPCOM

15

A

COMPCOM

\*

COMPCOM

16

A

COMPCOM

\*

COMPCOM

17

A

COMPCOM

\*

R. H. GOODELL.

71/05/21.

COMPCOM

18

A

COMPCOM

\*

R. H. GOODELL.

75/10/23.

54-TABLE, BL, PD, PS, PW.

CP139CP

10

A

COMPCOM

COMPCOM

19

A

COMPCOM

COMPCOM

20

A

COMPCOM

\*\*

THE FOLLOWING MUST BE ESTABLISHED WHEN COMPCOM IS CALLED.

COMPCOM

21

A

COMPCOM

\*

COMPCOM

22

A

COMPCOM

\*

IN AN ABSOLUTE ASSEMBLY, THE LOCATION COUNTER MUST EQUAL

COMPCOM

23

A

COMPCOM

\*

RA.ORG+1 = 101B. IN A RELOCATABLE ASSEMBLY, THE LOCATION

COMPCOM

24

I

COMPCOM

-CP139CP

COMPCOM

25

I

COMPCOM

-CP139CP

COUNTER MUST BE AT THE BEGINNING OF THE FIRST COMMON BLOCK,

COMPCOM

26

I

COMPCOM

\*

IF ANY, OTHERWISE AT THE BEGINNING OF THE MAIN PROGRAM.

COMPCOM

11

A

COMPCOM

\*

114B IF 54-TABLES ARE USED, ELSE 104B. IN A RELOCATABLE

CP139CP

12

A

COMPCOM

\*

ASSEMBLY, THE LOCATION COUNTER MUST BE AT THE LOCATION

CP139CP

13

A

COMPCOM

\*

THAT WILL CORRESPOND TO 114B OR 104B AFTER RELOCATION BY

CP139CP

14

A

COMPCOM

\*

THE OVERLAY GENERATOR.

COMPCOM

27

A

COMPCOM

\*

THE FOLLOWING MACROS, MICROS, AND SYMBOLS MUST BE DEFINED.

COMPCOM

28

A

COMPCOM

\*

COMPCOM

29

A

COMPCOM

\*

BUFL

MICRO

STANDARD CIO BUFFER SIZE.

COMPCOM

30

A

COMPCOM

\*

CP.ABORT

MICRO

DEFAULT CONTENT OF WORD CP.ABORT.

COMPCOM

31

A

COMPCOM

\*

-CPS150

COMPCOM

32

I

0

1

2

3

4

5

6

7

8

1234567890123456789012345678901234567890123456789012345678901234567890



## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPCOM

COMPCOM	*	MAY BE *0* OR *1S59*.				COMPCOM	33	I
1	-CPS150							
2	COMPCOM	*	CP.ABORT	MICRO	DEFAULT CONTENT OF BIT 29 OF WORD	CPS150	3	A
3	COMPCOM	*			CP.ABORT MAY BE *0* OR */*.	CPS150	4	A
4	COMPCOM	*				CP139CP	15	A
5	COMPCOM	*	CP.BLF	MICRO	DEFAULT CONTENT OF WORD CP.BLF.	CP139CP	16	A
6	COMPCOM	*			MAY BE *0* OR *1S59*.	CP139CP	17	A
7	COMPCOM	*				COMPCOM	34	A
8	COMPCOM	*	CP.F=	MICRO	DEFAULT CONTENT OF WORD CP.BATCH.	COMPCOM	35	A
9	COMPCOM	*			MAY BE *0*, *-1*, *-2*, ETC.	COMPCOM	36	A
10	COMPCOM	*				COMPCOM	37	A
11	COMPCOM	*	CP.LISTF	MICRO	DEFAULT CONTENT OF WORD CP.LISTF.	COMPCOM	38	A
12	COMPCOM	*			MAY BE *0* OR *1*.	COMPCOM	39	A
13	COMPCOM	*				COMPCOM	40	A
14	COMPCOM	*	CP.PAGE	MICRO	DEFAULT CONTENT OF WORD CP.PAGE.	COMPCOM	41	A
15	COMPCOM	*			MAY BE *0* OR *1S59*.	COMPCOM	42	A
16	COMPCOM	*				COMPCOM	43	I
17	-CPS028							
18	COMPCOM	*	CP#IR	SYMBOL	0 = ASSEMBLE NEW COMPILER/COMPASS INTERFACE	COMPCOM	44	I
19	-CPS028							
20	COMPCOM	*			1 = ASSEMBLE FOR OLD INTERFACE REGION.	COMPCOM	45	I
21	-CPS028							
22	COMPCOM	*				COMPCOM	46	A
23	COMPCOM	*	CP#RM	SYMBOL	0 = ASSEMBLE DIRECT *CIO* CALLS FOR I/O.	COMPCOM	47	A
24	COMPCOM	*			1 = ASSEMBLE RM/DM USAGE FOR I/O.	COMPCOM	48	I
25	-CPS028							
26	COMPCOM	*			6 = ASSEMBLE 6RM USAGE FOR I/O.	S028 15 CPS028	2	A
27	COMPCOM	*			7 = ASSEMBLE 7RM USAGE FOR I/O.	S028 16 CPS028	3	A
28	COMPCOM	*				COMPCOM	49	A
29	COMPCOM	*	FET	MACRO	USED IF CP#RM = 0 TO DEFINE FET"S.	COMPCOM	50	A
30	COMPCOM	*			CALL - LOCSYM FET LFN,BUF,SIZE	COMPCOM	51	A
31	COMPCOM	*				COMPCOM	52	A
32	COMPCOM	*	IBUF	SYMBOL	FWA OF SOURCE INPUT FILE CIO BUFFER.	COMPCOM	53	A
33	COMPCOM	*			NEED NOT BE PREVIOUSLY DEFINED.	COMPCOM	54	A
34	COMPCOM	*				COMPCOM	55	A
35	COMPCOM	*	LISTRM	MICRO	CONTROLS LISTING OF I/O SUBROUTINES.	COMPCOM	56	A
36	COMPCOM	*			* * = LIST, *-* = DO NOT LIST.	COMPCOM	57	A
37	COMPCOM	*				COMPCOM	58	A
38	COMPCOM	*	MIN.FL	SYMBOL	MINIMUM SCM FIELD LENGTH REQUIRED.	COMPCOM	59	A
39	COMPCOM	*			INITIAL CONTENT OF WORD CP.MAXFL.	COMPCOM	60	A
40	COMPCOM	*			NEED NOT BE PREVIOUSLY DEFINED.	COMPCOM	61	A
41	COMPCOM	*				COMPCOM	62	A
42	COMPCOM	*	MODEL	MICRO	CYBER 70/ MODEL ON WHICH PROCESSOR IS USED.	COMPCOM	63	A
43	COMPCOM	*			MAY BE *72*, *73*, *74*, OR *76*.	COMPCOM	64	I
44	-CP139CP							
45	COMPCOM	*			MAY BE *72*, *73*, *74*, *76*, OR *17X*.	CP139CP	18	A
46	COMPCOM	*				COMPCOM	65	A
47	COMPCOM	*	OBUF	SYMBOL	FWA OF LISTING OUTPUT FILE CIO BUFFER.	COMPCOM	66	A
48	COMPCOM	*			NEED NOT BE PREVIOUSLY DEFINED.	COMPCOM	67	A
49	COMPCOM	*				COMPCOM	68	A
50	COMPCOM	*	OBUFL	SYMBOL	LISTING OUTPUT FILE CIO BUFFER LENGTH.	COMPCOM	69	A
51	COMPCOM	*			NEED NOT BE PREVIOUSLY DEFINED.	COMPCOM	70	A
52								
53	0	1	2	3	4	5	6	7
54	1234567890123456789012345678901234567890123456789012345678901234567890							
55								
56								
57								
58								
59								
60								

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPCOM

1	COMPCOM	*								COMPCOM	71	A		1
2	COMPCOM	*	STOP	SYMBOL	ADDRESS FOR RETURN FROM COMPASS TO CALLING					COMPCOM	72	A		2
3	COMPCOM	*			COMPILER. NEED NOT BE PREVIOUSLY DEFINED.					COMPCOM	73	A		3
4	COMPCOM									COMPCOM	74	A		4
5	COMPCOM									COMPCOM	75	A		5
6	COMPCOM	****								COMPCOM	76	A		6
7	COMPCOM									COMPCOM	77	A		7
8	COMPCOM									COMPCOM	78	A		8
9	COMPCOM									COMPCOM	79	A		9
10	COMPCOM	**	REDEFINE "BUFL" = *0*	IF APPROPRIATE.						COMPCOM	80	A		10
11	COMPCOM									COMPCOM	81	A		11
12	COMPCOM		IFNE	CP#RM,0,2						COMPCOM	82	A		12
13	COMPCOM	-CPS028								COMPCOM	83		I	13
14	COMPCOM		IFC	GE, "MODEL" 75 ,1						COMPCOM	84		I	14
15	COMPCOM	-CPS028												15
16	COMPCOM		IFEQ	CP#RM,7,1		S028	18	CPS028	4	A				16
17	COMPCOM	BUFL	MICRO	1,, 0						COMPCOM	85	A		17
18	COMPCOM									COMPCOM	86	A		18
19	COMPCOM									COMPCOM	87	A		19
20	COMPCOM									COMPCOM	88	A		20
21	COMPCOM	**	SOURCE INPUT FILE BUFFER LENGTH.							COMPCOM	89	A		21
22	COMPCOM									COMPCOM	90	A		22
23	COMPCOM	IBUFL	EQU	"BUFL"						COMPCOM	91	A		23
24	COMPCOM					S028	20	CPS028	5	A				24
25	COMPCOM					S028	21	CPS028	6	A				25
26	COMPCOM					S028	22	CPS028	7	A				26
27	COMPCOM	**	LIBRARY CONTAINING COMPASS OVERLAYS.			S028	23	CPS028	8	A				27
28	COMPCOM	*	USED WHEN COMPASS (0,0) IS LOADED FROM LIBRARY *NUCLEUS*.							CPS064	1	A		28
29	COMPCOM					S028	24	CPS028	9	A				29
30	COMPCOM	CP.OVLIB MICRO		SEARCH GLOBAL LIBRARY SET		S028	25	CPS028	10	A				30
31	COMPCOM									COMPCOM	92	A		31
32	COMPCOM									COMPCOM	93	A		32
33	COMPCOM									COMPCOM	94	A		33
34	COMPCOM	**	NAME OF COMPASS (1,0) OVERLAY.							COMPCOM	95	A		34
35	COMPCOM									COMPCOM	96	A		35
36	COMPCOM	CP.NAME MICRO 1,, COMP2\$								COMPCOM	97		I	36
37	COMPCOM	-CPS064												37
38	COMPCOM	CP.NAME MICRO 1,, COMP3\$								CPS064	2	A		38
39	COMPCOM									COMPCOM	98	A		39
40	COMPCOM									COMPCOM	99	A		40
41	COMPCOM									COMPCOM	100	A		41
42	COMPCOM	**	ORIGIN OF COMPASS (1,0) OVERLAY.							COMPCOM	101	A		42
43	COMPCOM									COMPCOM	102	A		43
44	COMPCOM	RM	IFEQ	CP#RM,0						COMPCOM	103		I	44
45	COMPCOM	-CPS028												45
46	COMPCOM		IFEQ	CP#RM,0,1		S028	27	CPS028	11	A				46
47	COMPCOM	CP.ORG	EQU	2777B						COMPCOM	104	A		47
48	COMPCOM	RM	ELSE							COMPCOM	105		I	48
49	COMPCOM	-CPS028												49
50	COMPCOM		IFC	LT, "MODEL" 75 ,2						COMPCOM	106		I	50
51	COMPCOM	-CPS028												51
52														52
53		0	1	2	3	4	5	6	7	8				53
54		123456789012345678901234567890123456789012345678901234567890												54
55														55
56														56
57														57
58														58
59														59
60														60

## 1412THE

7

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPCOM

COMPCOM	*	-3	PL/1.	COMPCOM	127	I
1	-CPSA216					
2	COMPCOM	*	-3	FTN5.	CPSA216	6
3	COMPCOM	*			COMPCOM	128
4	COMPCOM	*	VALUES -4 TO -99 ARE RESERVED TO CDC.	COMPCOM	129	A
5	COMPCOM			COMPCOM	130	A
6	COMPCOM	CP.BATCH CON	"CP.F="	COMPCOM	131	I
7	-CP139CP					
8	COMPCOM			COMPCOM	132	I
9	-CP139CP					
10	COMPCOM			COMPCOM	133	I
11	-CP139CP					
12	COMPCOM			COMPCOM	134	I
13	-CP139CP					
14	COMPCOM	**	ABORT FLAG. SPECIFIES WHETHER PROCESSOR SHOULD ABORT JOB	COMPCOM	135	I
15	-CP139CP					
16	COMPCOM	*	AFTER COMPILATION/ASSEMBLY ERRORS, OR WAIT UNTIL THE USER	COMPCOM	136	I
17	-CP139CP					
18	COMPCOM	*	ATTEMPTS TO EXECUTE THE BAD PROGRAM.	COMPCOM	137	I
19	-CP139CP					
20	COMPCOM	*	0 = NO ABORT.	COMPCOM	138	I
21	-CP139CP					
22	COMPCOM	*	1S59 = ABORT TO EXIT(S) CARD IF SOURCE PROGRAM ERRORS.	COMPCOM	139	I
23	-CP139CP					
24	COMPCOM			COMPCOM	140	I
25	-CP139CP					
26	COMPCOM	CP.ABORT CON	"CP.ABORT"	COMPCOM	141	I
27	-CP139CP					
28	COMPCOM	CP.BATCH EQU	*	CP139CP	40	A
29	COMPCOM	-	VFD *P/"CP.F="	CP139CP	41	A
30	COMPCOM			COMPCOM	142	A
31	COMPCOM			COMPCOM	143	A
32	COMPCOM			COMPCOM	144	A
33	COMPCOM	**	BATCH ERROR COUNT. FORMAT --	COMPCOM	145	A
34	COMPCOM	*	VFD 1/D, 59/COUNT	COMPCOM	146	A
35	COMPCOM	*	D = 1 TO FORCE BINARY OUTPUT REGARDLESS OF ASSEMBLY ERRORS.	COMPCOM	147	A
36	COMPCOM			COMPCOM	148	A
37	COMPCOM	CP.ERRCT CON	0	COMPCOM	149	A
38	COMPCOM			COMPCOM	150	A
39	COMPCOM			COMPCOM	151	A
40	COMPCOM			COMPCOM	152	A
41	COMPCOM	**	LONG LISTING FLAG.	COMPCOM	153	A
42	COMPCOM	*	0 = NO LONG LISTING (ERROR LINES ONLY).	COMPCOM	154	A
43	COMPCOM	*	1 = NORMAL LONG LISTING.	COMPCOM	155	A
44	COMPCOM			COMPCOM	156	A
45	COMPCOM	CP.LISTF CON	"CP.LISTF"	COMPCOM	157	A
46	COMPCOM			COMPCOM	158	A
47	COMPCOM			COMPCOM	159	A
48	COMPCOM			COMPCOM	160	A
49	COMPCOM	**	LISTING PAGE NUMBER PROPAGATION CONTROL.	COMPCOM	161	A
50	COMPCOM	*	(CP.PAGE) < 0 - DO NOT PROPAGATE AND DO NOT CHANGE (CP.PAGE).	COMPCOM	162	I
51	-CPS236					
52						
53	0	1	2	3	4	5
54	1234567890123456789012345678901234567890123456789012345678901234567890					
55						
56						
57						
58						
59						
60						



## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPCOM

COMPCOM	*	(CP.PAGE) \ 0 - CURRENT PAGE NUMBER IS (CP.PAGE).	COMPCOM	163	I
1	-CPS236				
2	COMPCOM *	IF BIT 59 IS SET - DO NOT PROPAGATE AND DO NOT CHANGE.	CPS236	6	A
3	COMPCOM *	IF BIT 59 IS NOT SET - CURRENT PAGE NUMBER IS IN BITS 0-29.	CPS236	7	A
4	COMPCOM *	IF BIT 58 IS SET - LISTING FILE HAS BEEN WRITTEN TO (OPEN).	CPS236	8	A
5	COMPCOM		COMPCOM	164	A
6	COMPCOM CP.PAGE CON	"CP.PAGE"	COMPCOM	165	A
7	COMPCOM		CPSA142	5	A
8	COMPCOM		CPSA142	6	A
9	COMPCOM		CPSA142	7	A
10	COMPCOM **	ERROR LISTING PAGE NUMBER PROPAGATION CONTROL	CPSA142	8	A
11	COMPCOM *	(CP.EPAG)<0 - DO NOT PROPAGATE AND DO NOT CHANGE (CP.EPAG).	CPSA142	9	I
12	-CPS236				
13	COMPCOM *	(CP.EPAG)\0 - CURRENT ERROR PAGE NUMBER IS (CP.EPAG).	CPSA142	10	I
14	-CPS236				
15	COMPCOM *	IF BIT 59 IS SET - DO NOT PROPAGATE AND DO NOT CHANGE.	CPS236	9	A
16	COMPCOM *	IF BIT 59 IS NOT SET - CURRENT PAGE NUMBER IS IN BITS 0-29.	CPS236	10	A
17	COMPCOM *	IF BIT 58 IS SET - ERROR FILE HAS BEEN WRITTEN TO (OPEN).	CPS236	11	A
18	COMPCOM		CPSA142	11	A
19	COMPCOM CP.EPAG CON	"CP.PAGE"	CPSA142	12	A
20	COMPCOM		CP139CP	42	A
21	COMPCOM		CP139CP	43	A
22	COMPCOM		CP139CP	44	A
23	COMPCOM **	BIG (BURSTABLE) LISTING FLAG.	CP139CP	45	A
24	COMPCOM *	0 = NO UNNECESSARY PAGE EJECTS.	CP139CP	46	A
25	COMPCOM *	1S59 = PAGE EJECTS BETWEEN PORTIONS OF LISTING.	CP139CP	47	A
26	COMPCOM		CP139CP	48	A
27	COMPCOM CP.BLF CON	"CP.BLF"	CP139CP	49	A
28	COMPCOM		CP139CP	50	A
29	COMPCOM		CP139CP	51	A
30	COMPCOM		CP139CP	52	A
31	COMPCOM **	PRINT DENSITY (LINES PER INCH).	CP139CP	53	A
32	COMPCOM *	PD = 3 (CP.PD) = 1LS+1S17	CP139CP	54	A
33	COMPCOM *	PD = 4 (CP.PD) = 1LT+1S17	CP139CP	55	A
34	COMPCOM *	PD = 6 (CP.PD) = 1LS	CP139CP	56	A
35	COMPCOM *	PD = 8 (CP.PD) = 1LT	CP139CP	57	A
36	COMPCOM *	OMITTED (CP.PD) = 0	CP139CP	58	A
37	COMPCOM		CP139CP	59	A
38	COMPCOM CP.PD CON	0	CP139CP	60	A
39	COMPCOM		CP139CP	61	A
40	COMPCOM		CP139CP	62	A
41	COMPCOM		CP139CP	63	A
42	COMPCOM **	PAGE SIZE (LINES PER PAGE).	CP139CP	64	A
43	COMPCOM		CP139CP	65	A
44	COMPCOM CP.PS CON	0	CP139CP	66	A
45	COMPCOM		CP139CP	67	A
46	COMPCOM		CP139CP	68	A
47	COMPCOM		CP139CP	69	A
48	COMPCOM **	PAGE WIDTH (CHARACTERS PER LINE).	CP139CP	70	A
49	COMPCOM *	IF *PW* SPECIFIED, (CP.PW) = 30/REMAINDER, 30/QUOTIENT	CP139CP	71	A
50	COMPCOM *	OF *PW* VALUE DIVIDED BY 10.	CP139CP	72	A
51	COMPCOM *	OTHERWISE, ASSUME PW = 72 IF PRINT FILE IS A TERMINAL	CP139CP	73	A
52					
53	0	1	2	3	4
54	1234567890123456789012345678901234567890123456789012345678901234567890				
55					
56					
57					
58					
59					
60					

## 1412THE

7

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPCOM

COMPCOM	COMPCOM	200	A	
COMPCOM	COMPCOM	201	A	
COMPCOM	COMPCOM	202		I
COMPCOM	**	UNUSED WORD.		
COMPCOM	-CP139CP			
COMPCOM	**	THIS SPACE FOR RENT (RESERVED TO CDC).		
COMPCOM	CP.UNU1	CON	0	
COMPCOM	-CP139CP			
COMPCOM	CP.CDC	CON	0	
COMPCOM	CON	0		
COMPCOM				
COMPCOM				
COMPCOM				
COMPCOM	**	FOUR WORDS PRECEDING SOURCE INPUT CARD AREA.		
COMPCOM	*	MAY BE USED AS BEGINNING OF PRINT LINE AREA.		
COMPCOM				
COMPCOM	CP.LINE	DIS	4,	
COMPCOM				
COMPCOM				
COMPCOM				
COMPCOM	**	SOURCE INPUT CARD AREA. HOLDS NEXT CARD TO BE PROCESSED.		
COMPCOM	*	(CP.CARD) = 0 AT END OF SECTION ON SOURCE INPUT FILE.		
COMPCOM				
COMPCOM	CP.CARD	DIS	4, CONTROL DATA PROPRIETARY PRODUCT.	
COMPCOM	-CPSCPRT			
COMPCOM		DIS	4, COPYRIGHT CONTROL DATA CORP. 1971.	
COMPCOM	-CPSCPRT			
COMPCOM		DIS	8,	
COMPCOM	-CPSCPRT			
COMPCOM	CP.CARD	DATA	H* CONTROL DATA PROPRIETARY PRODUCT.*	
COMPCOM		DATA	H* COPYRIGHT CONTROL DATA CORP. 1971, 1972, 1973, 1974,	
COMPCOM	, 1975.*			
COMPCOM	-CPS*76			
COMPCOM	, 1975, 1976.*			
COMPCOM	-CPS*77			
COMPCOM	, 1975, 1976, 1977.*			
COMPCOM	-CPS*78			
COMPCOM	, 1975, 1976, 1977, 1978.*	CPS*78	CPS*78	4
COMPCOM	-CPS*79			
COMPCOM	, 1975, 1976, 1977, 1978, 1979.*		CPS*79	4
COMPCOM	-CPS*80			
COMPCOM	, 1975, 1976, 1977, 1978, 1979, 1980.*		CPS*80	4
COMPCOM	-CPS*81			
COMPCOM	, 1975, 1976, 1977, 1978, 1979, 1980, 1981.*		CPS*81	4
COMPCOM	-CPS*82			
COMPCOM	, 1975, 1976,, 1977, 1978, 1979, 1980, 1981, 1982.*		CPS*82	4
COMPCOM		DIS	16-*+CP.CARD,	
COMPCOM				
COMPCOM				
COMPCOM	**	SYSTEM TEXT OVERLAY NAMES.		
COMPCOM	*	(CP.STEXT) = NUMBER OF SYSTEM TEXTS (UP TO 7).		
COMPCOM				
0	1	2	3	4
123456789012345678901234567890123456789012345678901234567890				

\* SUBSEQUENT WORDS HAVE THE FOLLOWING FORMAT --

[illegible]



## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPCOM

COMPCOM	**	VALUE OF COMPASS BUILT-IN MICRO *PCOMMENT*.			COMPCOM	278	A
COMPCOM	*	UP TO 30 CHARACTERS WITH BLANK FILL.			COMPCOM	279	A
COMPCOM					COMPCOM	280	A
COMPCOM	CP.PCOM	DIS	3,		COMPCOM	281	A
COMPCOM					COMPCOM	282	I
COMPCOM	-CP139CP				COMPCOM	283	I
COMPCOM	-CP139CP				COMPCOM	284	I
COMPCOM	-CP139CP				COMPCOM	285	I
COMPCOM	*	THIS SPACE FOR RENT.			COMPCOM	286	I
COMPCOM	-CP139CP				COMPCOM	287	I
COMPCOM		BSSZ	CP.BASE+100B-*		COMPCOM	288	A
COMPCOM	-CP139CP				COMPCOM	289	A
COMPCOM	****				COMPCOM	290	A
COMPCOM					COMPCOM	291	A
COMPCOM					COMPCOM	292	A
COMPCOM	RM	IFNE	CP#RM,0		COMPCOM	293	A
COMPCOM	FET	SPACE	4,8		COMPCOM	294	A
COMPCOM	**	FET - FILE ENVIRONMENT TABLE DEFINITION.			COMPCOM	295	A
COMPCOM	*				COMPCOM	296	A
COMPCOM	* LOCSYM	FET	LFN,FIRST,LEN		COMPCOM	297	A
COMPCOM	*	(LFN) = FILENAME.			COMPCOM	298	A
COMPCOM	*	(FIRST) = FWA OF CIRCULAR BUFFER.			COMPCOM	299	A
COMPCOM	*	(LEN) = LENGTH OF CIRCULAR BUFFER.			COMPCOM	300	A
COMPCOM					COMPCOM	301	A
COMPCOM					COMPCOM	302	A
COMPCOM	FET	MACRO	LFN,FIRST,LEN		COMPCOM	303	A
COMPCOM		CON	0L_LFN+1		COMPCOM	304	A
COMPCOM		CON	FIRST+8S18		COMPCOM	305	I
COMPCOM	-CP139CP				CP139CP	86	A
COMPCOM		CON	FIRST+3S18		COMPCOM	306	A
COMPCOM		CON	FIRST		COMPCOM	307	A
COMPCOM		CON	FIRST+LEN		COMPCOM	308	A
COMPCOM		BSSZ	8		COMPCOM	309	I
COMPCOM	-CP139CP				CP139CP	87	A
COMPCOM		BSSZ	3		COMPCOM	310	A
COMPCOM		ENDM			COMPCOM	311	A
COMPCOM					COMPCOM	312	A
COMPCOM	RM	ENDIF			COMPCOM	313	A
COMPCOM	INPUT	SPACE	4		COMPCOM	314	A
COMPCOM	**	FET/FIT FOR SOURCE INPUT FILE.			COMPCOM	315	A
COMPCOM					COMPCOM	316	A
COMPCOM					COMPCOM	317	A
COMPCOM	CP.IFET	FET	INPUT,IBUF,IBUFL		COMPCOM	318	A
COMPCOM		BSSZ	CP.IFET+13-*		COMPCOM	319	I
0 1 2 3 4 5 6 7 8							
123456789012345678901234567890123456789012345678901234567890							

-CP139CP

1	COMPCOM		BSSZ	CP.IFET+8-*			CP139CP	88	A	
2	COMPCOM						COMPCOM	320	A	
3	COMPCOM	RM	IFNE	CP#RM,0			COMPCOM	321	A	
4	COMPCOM		IFC	LT, "MODEL" 75 ,2			COMPCOM	322		I
5		-CPS028								
6	COMPCOM		IFEQ	CP#RM,6,1	S028	34	CPS028	15	A	
7	COMPCOM	CP.IFIT	FILE	LFN=INPUT,F0=SQ,BT=C,RT=Z,MRL=100,CM=YES,LT=UL,WSA=CP.C			COMPCOM	323	A	
8	COMPCOM	,ARD,FET=CP.IFET,FWB=IBUF,BFS=IBUFL					COMPCOM	324		I
9		-CPS028								
10	COMPCOM		SKIP	1			COMPCOM	325		I
11		-CPS028								
12	COMPCOM	,ARD,FET=CP.IFET,FWB=IBUF,BFS=IBUFL,ERL=1			S028	36	CPS028	16	A	
13	COMPCOM		IFEQ	CP#RM,7,1	S028	37	CPS028	17	A	
14	COMPCOM	CP.IFIT	FILE	LFN=INPUT,F0=SQ,BT=,RT=W,MRL=5120,WSA=CP.CARD,OF=N,CF=N			COMPCOM	326	A	
15	COMPCOM	,,PD=INPUT					COMPCOM	327	A	
16	COMPCOM		BSSZ	CP.IFET+40B-*			COMPCOM	328		I
17		-CP139CP								
18	COMPCOM		BSSZ	CP.IFIT+16-*			CP139CP	89	A	
19	COMPCOM	RM	ENDIF				COMPCOM	329	A	
20	COMPCOM	OUTPUT	SPACE	4			COMPCOM	330	A	
21	COMPCOM	**	FET/FIT	FOR LISTING OUTPUT FILE.			COMPCOM	331	A	
22	COMPCOM						COMPCOM	332	A	
23	COMPCOM						COMPCOM	333	A	
24	COMPCOM	CP.OFET	FET	OUTPUT,0BUF,0BUFL			COMPCOM	334	A	
25	COMPCOM		BSSZ	CP.OFET+13-*			COMPCOM	335		I
26		-CP139CP								
27	COMPCOM		BSSZ	CP.OFET+8-*			CP139CP	90	A	
28	COMPCOM						COMPCOM	336	A	
29	COMPCOM	RM	IFNE	CP#RM,0			COMPCOM	337	A	
30	COMPCOM		IFC	LT, "MODEL" 75 ,2			COMPCOM	338		I
31		-CPS028								
32	COMPCOM		IFEQ	CP#RM,6,1	S028	39	CPS028	18	A	
33	COMPCOM	CP.OFIT	FILE	LFN=OUTPUT,F0=SQ,BT=C,RT=Z,MRL=137,CM=YES,LT=UL,FET=CP.			COMPCOM	339	A	
34	COMPCOM	,OFET,FWB=0BUF,BFS=0BUFL					COMPCOM	340		I
35		-CPS028								
36	COMPCOM		SKIP	1			COMPCOM	341		I
37		-CPS028								
38	COMPCOM	,OFET,FWB=0BUF,BFS=0BUFL,ERL=1			S028	41	CPS028	19	A	
39	COMPCOM		IFEQ	CP#RM,7,1	S028	42	CPS028	20	A	
40	COMPCOM	CP.OFIT	FILE	LFN=OUTPUT,F0=SQ,BT=,RT=W,MRL=137,OF=N,CF=N,PD=OUTPUT			COMPCOM	342	A	
41	COMPCOM		BSSZ	CP.OFET+40B-*			COMPCOM	343		I
42		-CP139CP								
43	COMPCOM		BSSZ	CP.OFIT+16-*			CP139CP	91	A	
44	COMPCOM	RM	ENDIF				COMPCOM	344	A	
45	COMPCOM	ERRS	SPACE	4			CPSA142	13	A	
46	COMPCOM	**	FET/FIT	FOR ERROR LISTING FILE			CPSA142	14	A	
47	COMPCOM						CPSA142	15	A	
48	COMPCOM						CPSA142	16	A	
49	COMPCOM	CP.EFET	FET	OUTPUT,,EBUFL,5			CPSA142	17	A	
50	COMPCOM		BSSZ	CP.EFET+8-*			CPSA142	18	A	
51	COMPCOM						CPSA142	19	A	
52										
53		0	1	2	3	4	5	6	7	8
54		1234567890123456789012345678901234567890123456789012345678901234567890								

## 14121HE

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPCOM

-CPS028

1	COMPCOM	WEOR.SQ	EQ	/6RM/WEOR.SQ						COMPCOM	372		I
2		-CPS028											
3	COMPCOM	REW.RM	EQ	/6RM/REW.RM						COMPCOM	373		I
4		-CPS028											
5	COMPCOM	SKBL.RM	EQ	/6RM/SKBL.RM						COMPCOM	374		I
6		-CPS028											
7	COMPCOM	CHEK.RM	EQ	/6RM/CHEK.RM						COMPCOM	375		I
8		-CPS028											
9	COMPCOM	ENDF.SQ	EQ	/6RM/ENDF.SQ						COMPCOM	376		I
10		-CPS028											
11	COMPCOM	CHEK.RM	JP	/6RM/CHEK.RM	S028	51	CPS028	25	A				
12	COMPCOM	CLSF.RM	JP	/6RM/CLSF.RM	S028	52	CPS028	26	A				
13	COMPCOM	ENDF.SQ	JP	/6RM/ENDF.SQ	S028	53	CPS028	27	A				
14	COMPCOM	GET.RM	JP	/6RM/GET.RM	S028	54	CPS028	28	A				
15	COMPCOM	OPEN.RM	JP	/6RM/OPEN.RM	S028	55	CPS028	29	A				
16	COMPCOM	PUT.RM	JP	/6RM/PUT.RM	S028	56	CPS028	30	A				
17	COMPCOM	REW.RM	JP	/6RM/REW.RM	S028	57	CPS028	31	A				
18	COMPCOM	SKBL.RM	JP	/6RM/SKBL.RM	S028	58	CPS028	32	A				
19	COMPCOM	WEOR.SQ	JP	/6RM/WEOR.SQ	S028	59	CPS028	33	A				
20	COMPCOM						COMPCOM	377	A				
21	COMPCOM	RM	ENDIF				COMPCOM	378	A				
22	COMPCOM	LCOM	SPACE	4			COMPCOM	379	A				
23	COMPCOM	**	END OF	COMMUNICATION AREA.			COMPCOM	380	A				
24	COMPCOM						COMPCOM	381	A				
25	COMPCOM						COMPCOM	382	A				
26	COMPCOM		BSS	0	S028	61	CPS028	34	A				
27	COMPCOM	CP.LCOM	EQU	*-CP.BASE-1 LENGTH OF COMMUNICATION AREA			COMPCOM	383				I	
28		-CP139CP											
29	COMPCOM	CP.LCOM	EQU	*-CP.BASE LENGTH OF COMMUNICATION REGION			CP139CP	94	A				
30	COMPCOM		USE	* LEAVE COMMON BLOCK IF ANY			COMPCOM	384	A				
31	COMPCOM	SYSR	SPACE	4			COMPCOM	385	A				
32	COMPCOM	**	SYSTEM	COMMUNICATION ROUTINES.			COMPCOM	386	A				
33	COMPCOM						COMPCOM	387	A				
34	COMPCOM						COMPCOM	388	A				
35	COMPCOM		LIST	-F			COMPCOM	389	A				
36	COMPCOM						COMPCOM	390	A				
37	COMPCOM		IFC	GE, "MODEL" 75 ,1			COMPCOM	391				I	
38		-CPS028											
39	COMPCOM	RM	IFEQ	CP#RM,0			COMPCOM	392				I	
40		-CPS028											
41	COMPCOM	RM	IFNE	CP#RM,7	S028	63	CPS028	35	A				
42	COMPCOM	COMCSYS	CTEXT	PROCESS SYSTEM REQUEST.			COMPCOM	393	A				
43	COMPCOM						COMPCOM	394	A				
44	COMPCOM						COMPCOM	395	A				
45	COMPCOM	***		COMCSYS CONTAINS ROUTINES FOR PROCESSING CERTAIN			COMPCOM	396	A				
46	COMPCOM	*		SYSTEM REQUESTS.			COMPCOM	397	A				
47	COMPCOM	*					COMPCOM	398	A				
48	COMPCOM	*					COMPCOM	399	A				
49	COMPCOM	*	G. R. MANSFIELD.	70/09/12.			COMPCOM	400	A				
50	COMPCOM	*	R. H. GOODELL.	71/04/01.			COMPCOM	401	A				
51	COMPCOM						COMPCOM	402	A				

0 1 2 3 4 5 6 7 8  
123456789012345678901234567890123456789012345678901234567890



## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPCOM

1	COMPCOM					COMPCOM	403	A	1
2	COMPCOM		IF	-DEF,QUAL\$,1		COMPCOM	404	A	2
3	COMPCOM		QUAL	COMCSYS		COMPCOM	405	A	3
4	COMPCOM		BASE	D		COMPCOM	406	A	4
5	COMPCOM	SYS	SPACE	4,11		COMPCOM	407	A	5
6	COMPCOM	***	SYS	- PROCESS SYSTEM REQUEST.		COMPCOM	408	A	6
7	COMPCOM	*				COMPCOM	409	A	7
8	COMPCOM	*	ENTRY	(X6) = SYSTEM REQUEST.		COMPCOM	410	A	8
9	COMPCOM	*	EXIT	REQUEST PROCESSED.		COMPCOM	411	A	9
10	COMPCOM	*				COMPCOM	412	A	10
11	COMPCOM	*	USES	A1, A6, X1.		COMPCOM	413	A	11
12	COMPCOM	*				COMPCOM	414	A	12
13	COMPCOM	*	CALLS	NONE.		COMPCOM	415	A	13
14	COMPCOM					COMPCOM	416	A	14
15	COMPCOM					COMPCOM	417	A	15
16	COMPCOM	SYSA	SA1	A1	WAIT (RA.MTR) CLEAR IF AUTO RECALL	COMPCOM	418	A	16
17	COMPCOM		LX1	59-40		COMPCOM	419	A	17
18	COMPCOM		MI	X1,SYS1		COMPCOM	420	A	18
19	COMPCOM					COMPCOM	421	A	19
20	COMPCOM	SYS1	EQ	SYS2	FIRST ENTRY	COMPCOM	422	A	20
21	COMPCOM					COMPCOM	423	A	21
22	COMPCOM	SYS=	EQ	++1S17	ENTRY/EXIT	COMPCOM	424	A	22
23	COMPCOM					COMPCOM	425	A	23
24	COMPCOM	+	SA1	RA.MTR	WAIT (RA.MTR) CLEAR	COMPCOM	426	A	24
25	COMPCOM		NZ	X1,*		COMPCOM	427	A	25
26	COMPCOM		SA6	A1	ENTER REQUEST	COMPCOM	428	A	26
27	COMPCOM		EQ	SYS1		COMPCOM	429	A	27
28	COMPCOM					COMPCOM	430	A	28
29	COMPCOM	*			INITIAL ENTRY TO SET TYPE OF CALL.	COMPCOM	431	A	29
30	COMPCOM					COMPCOM	432	A	30
31	COMPCOM	SYS2	SA1	RA.CEJ	TEST FOR CENTRAL EXCHANGE JUMP SUPPORT	COMPCOM	433	A	31
32	COMPCOM		MI	X1,SYS3		COMPCOM	434	A	32
33	COMPCOM		SA1	SYSA	NO, USE WAIT LOOP	COMPCOM	435	A	33
34	COMPCOM		EQ	SYS4		COMPCOM	436	A	34
35	COMPCOM	SYS3	SX1	0130B	YES, USE XJ INSTRUCTION	COMPCOM	437	A	35
36	COMPCOM		LX1	48		COMPCOM	438	A	36
37	COMPCOM	SYS4	BX6	X1-X6	SWAP REGISTERS	COMPCOM	439	A	37
38	COMPCOM		BX1	X1-X6		COMPCOM	440	A	38
39	COMPCOM		BX6	X1-X6		COMPCOM	441	A	39
40	COMPCOM		SA6	SYS1	SET MONITOR CALL	COMPCOM	442	A	40
41	COMPCOM		BX6	X1	RESTORE (X6)	COMPCOM	443	A	41
42	COMPCOM		SA1	RA.MTR	RESET (A1)	COMPCOM	444	A	42
43	COMPCOM		RJ	SYSA	CLEAR STACK	COMPCOM	445	A	43
44	COMPCOM	RCL	SPACE	4,12		COMPCOM	446	A	44
45	COMPCOM	***	RCL	- PLACE PROGRAM ON RECALL.		COMPCOM	447	A	45
46	COMPCOM	*				COMPCOM	448	A	46
47	COMPCOM	*	ENTRY	NONE.		COMPCOM	449	A	47
48	COMPCOM	*				COMPCOM	450	A	48
49	COMPCOM	*	EXIT	REQUEST PROCESSED.		COMPCOM	451	A	49
50	COMPCOM	*				COMPCOM	452	A	50
51	COMPCOM	*	USES	A1, X1, X6.		COMPCOM	453	A	51
52						COMPCOM	454	A	52

0 1 2 3 4 5 6 7 8  
123456789012345678901234567890123456789012345678901234567890

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPCOM

1	COMPCOM	*					COMPCOM	455	A	1
2	COMPCOM	*	CALLS	SYS=.			COMPCOM	456	A	2
3	COMPCOM						COMPCOM	457	A	3
4	COMPCOM	RCL1	LX6	42	PROCESS REQUEST		COMPCOM	458	A	4
5	COMPCOM		RJ	=XSYS=			COMPCOM	459	A	5
6	COMPCOM	+	SA1	RA.MTR	WAIT (RA.MTR) CLEAR		COMPCOM	460	A	6
7	COMPCOM		NZ	X1,*			COMPCOM	461	A	7
8	COMPCOM						COMPCOM	462	A	8
9	COMPCOM	RCL=	EQ	++1S17	ENTRY/EXIT		COMPCOM	463	A	9
10	COMPCOM						COMPCOM	464	A	10
11	COMPCOM		SA1	RA.MTR			COMPCOM	465	A	11
12	COMPCOM		NZ	X1,RCL=	RETURN IF (RA.MTR) NOT CLEAR		COMPCOM	466	A	12
13	COMPCOM		SX6	3RRCL	FORM RECALL REQUEST		COMPCOM	467	A	13
14	COMPCOM		EQ	RCL1			COMPCOM	468	A	14
15	COMPCOM	WNB	SPACE	4,13			COMPCOM	469	A	15
16	COMPCOM	***	WNB	- WAIT NOT BUSY.			COMPCOM	470	A	16
17	COMPCOM	*					COMPCOM	471	A	17
18	COMPCOM	*					COMPCOM	472	A	18
19	COMPCOM	*			WAIT FOR STATUS WORD BIT 0 TO BE SET.		COMPCOM	473	A	19
20	COMPCOM	*			IF WORD IS INITIALLY 0, RETURN.		COMPCOM	474	A	20
21	COMPCOM	*					COMPCOM	475	A	21
22	COMPCOM	*	ENTRY	(X2) = ADDRESS OF STATUS WORD.			COMPCOM	476	A	22
23	COMPCOM	*					COMPCOM	477	A	23
24	COMPCOM	*	EXIT	RETURN WHEN BIT 0 OF STATUS WORD IS SET.			COMPCOM	478	A	24
25	COMPCOM	*					COMPCOM	479	A	25
26	COMPCOM	*	USES	A1, X1, X6.			COMPCOM	480	A	26
27	COMPCOM	*					COMPCOM	481	A	27
28	COMPCOM	*	CALLS	SYS=.			COMPCOM	482	A	28
29	COMPCOM						COMPCOM	483	A	29
30	COMPCOM	WNB2	LX1	40	SET AUTO RECALL FLAG		COMPCOM	484	A	30
31	COMPCOM		IX6	X6+X1			COMPCOM	485	A	31
32	COMPCOM		RJ	=XSYS=	PROCESS REQUEST		COMPCOM	486	A	32
33	COMPCOM						COMPCOM	487	A	33
34	COMPCOM	WNB=	EQ	++1S17	ENTRY/EXIT		COMPCOM	488	A	34
35	COMPCOM						COMPCOM	489	A	35
36	COMPCOM		SX6	3RRCL	FORM RECALL REQUEST		COMPCOM	490	A	36
37	COMPCOM		LX6	42			COMPCOM	491	A	37
38	COMPCOM		IX6	X6+X2			COMPCOM	492	A	38
39	COMPCOM	WNB1	SA1	X6	CHECK STATUS WORD		COMPCOM	493	A	39
40	COMPCOM		LX1	59			COMPCOM	494	A	40
41	COMPCOM		MI	X1,WNB=	RETURN IF COMPLETE BIT SET		COMPCOM	495	A	41
42	COMPCOM		ZR	X1,WNB=	RETURN IF BLANK STATUS		COMPCOM	496	A	42
43	COMPCOM		SA1	RA.MTR	WAIT (RA.MTR) CLEAR		COMPCOM	497	A	43
44	COMPCOM		NZ	X1,WNB1			COMPCOM	498	A	44
45	COMPCOM		SX1	1	CONTINUE RECALL		COMPCOM	499	A	45
46	COMPCOM		EQ	WNB2			COMPCOM	500	A	46
47	COMPCOM	MSG	SPACE	4,15			COMPCOM	501	A	47
48	COMPCOM	***	MSG	- SEND MESSAGE.			COMPCOM	502	A	48
49	COMPCOM	*					COMPCOM	503	A	49
50	COMPCOM	*	ENTRY	(X1) = ADDRESS OF MESSAGE.			COMPCOM	504	A	50
51	COMPCOM	*		(X6) = MESSAGE OPTION(S).			COMPCOM	505	A	51
52	COMPCOM	*					COMPCOM	506	A	52

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## 14121HE

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPCOM

COMPCOM	"#PLRM#" XTEXT	C6RMZS	MUST FOLLOW C6RMGETS	S028	83	CPS028	51	A	
COMPCOM	"#PLRM#" XTEXT	C6RMGETW		S028	84	CPS028	52	A	
COMPCOM	"#PLRM#" XTEXT	C6RMMOVR		S028	85	CPS028	53	A	
COMPCOM	"#PLRM#" XTEXT	C6RMOPER		S028	86	CPS028	54	A	
COMPCOM	"#PLRM#" XTEXT	C6RMOPES		S028	87	CPS028	55	A	
COMPCOM	"#PLRM#" XTEXT	C6RMOPEW		S028	88	CPS028	56	A	
COMPCOM	"#PLRM#" XTEXT	C6RMOSUB		S028	89	CPS028	57	A	
COMPCOM	"#PLRM#" XTEXT	C6RMPDFR		S028	90	CPS028	58	A	
COMPCOM	"#PLRM#" XTEXT	C6RMPUTR				COMPCOM	577	A	
COMPCOM	"#PLRM#" XTEXT	C6RMCLSS				COMPCOM	578		I
	-CPS028								
COMPCOM	"#PLRM#" XTEXT	C6RMBTRS				COMPCOM	579		I
	-CPS028								
COMPCOM	"#PLRM#" XTEXT	C6RMBMVR				COMPCOM	580		I
	-CPS028								
COMPCOM	"#PLRM#" XTEXT	C6RMMOVR				COMPCOM	581		I
	-CPS028								
COMPCOM	"#PLRM#" XTEXT	C6RMWERS				COMPCOM	582		I
	-CPS028								
COMPCOM	"#PLRM#" XTEXT	C6RMRLEQ	MUST PRECEDE C6RMPUTS	S028	92	CPS028	59	A	
COMPCOM	"#PLRM#" XTEXT	C6RMPUTS		S028	93	CPS028	60	A	
COMPCOM	"#PLRM#" XTEXT	C6RMPUTW		S028	94	CPS028	61	A	
COMPCOM	"#PLRM#" XTEXT	C6RMREWR				COMPCOM	583	A	
COMPCOM	"#PLRM#" XTEXT	C6RMREWS				COMPCOM	584	A	
COMPCOM	"#PLRM#" XTEXT	C6RMCLSR				COMPCOM	585		I
	-CPS028								
COMPCOM	"#PLRM#" XTEXT	C6RMSKBR				COMPCOM	586	A	
COMPCOM	"#PLRM#" XTEXT	C6RMSKBS				COMPCOM	587	A	
COMPCOM	"#PLRM#" XTEXT	C6RMSKFS				COMPCOM	588		I
	-CPS028								
COMPCOM	"#PLRM#" XTEXT	C6RMWS				COMPCOM	589		I
	-CPS028								
COMPCOM	"#PLRM#" XTEXT	C6RMFSUS				COMPCOM	590		I
	-CPS028								
COMPCOM	"#PLRM#" XTEXT	C6RMZS				COMPCOM	591		I
	-CPS028								
COMPCOM	"#PLRM#" XTEXT	C6RMPDFR				COMPCOM	592		I
	-CPS028								
COMPCOM	"#PLRM#" XTEXT	C6RMCHWS				COMPCOM	593		I
	-CPS028								
COMPCOM	"#PLRM#" XTEXT	C6RMERRM				COMPCOM	594		I
	-CPS028								
COMPCOM	"#PLRM#" XTEXT	C6RMCHKR				COMPCOM	595		I
	-CPS028								
COMPCOM	"#PLRM#" XTEXT	C6RMENDS				COMPCOM	596		I
	-CPS028								
COMPCOM	"#PLRM#" XTEXT	C6RMRLEQ				COMPCOM	597		I
	-CPS028								
COMPCOM	"#PLRM#" XTEXT	C6RMWARS		S028	97	CPS028	62	A	
COMPCOM	"#PLRM#" XTEXT	C6RMWERS		S028	98	CPS028	63	A	
COMPCOM						COMPCOM	598	A	
COMPCOM						COMPCOM	599	A	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPCOM

COMPCOM	COMPCOM	600	A	
COMPCOM	ERR.RM EQU /6RM/ERR.RM	COMPCOM	601	I
	-CPS028			
COMPCOM	GET.SQ EQU /6RM/GET.SQ	COMPCOM	602	I
	-CPS028			
COMPCOM	PUT.SQ EQU /6RM/PUT.SQ	COMPCOM	603	I
	-CPS028			
COMPCOM	MOVE.RM EQU /6RM/MOVE.RM	COMPCOM	604	I
	-CPS028			
COMPCOM	OPEN.RM EQU /6RM/OPEN.RM	COMPCOM	605	I
	-CPS028			
COMPCOM	OPEN.SQ EQU /6RM/OPEN.SQ	COMPCOM	606	I
	-CPS028			
COMPCOM	PDF.RM EQU /6RM/PDF.RM	COMPCOM	607	I
	-CPS028			
COMPCOM	CLSF.SQ EQU /6RM/CLSF.SQ	COMPCOM	608	I
	-CPS028			
COMPCOM	SKBL.SQ EQU /6RM/SKBL.SQ	COMPCOM	609	I
	-CPS028			
COMPCOM	CHWR.SQ EQU /6RM/CHWR.SQ	COMPCOM	610	I
	-CPS028			
COMPCOM	SKFL.SQ EQU /6RM/SKFL.SQ	COMPCOM	611	I
	-CPS028			
COMPCOM	REW.SQ EQU /6RM/REW.SQ	COMPCOM	612	I
	-CPS028			
COMPCOM	PUTL.SQ EQ **400000B	COMPCOM	613	I
	-CPS028			
COMPCOM	CHKSUM EQ **400000B	COMPCOM	614	I
	-CPS028			
COMPCOM	SKBL.WA EQ **400000B	COMPCOM	615	I
	-CPS028			
COMPCOM	A0B EQU /6RM/A0B	S028	100	CPS028 64 A
COMPCOM	AMAC.SQ EQU /6RM/AMAC.SQ	S028	101	CPS028 65 A
COMPCOM	CHWR.SQ EQU /6RM/CHWR.SQ	S028	102	CPS028 66 A
COMPCOM	CLSV.SQ JP **400000B	S028	103	CPS028 67 A
COMPCOM	COMM.WA EQU /6RM/COMM.WA	S028	104	CPS028 68 A
COMPCOM	DXIT.SQ EQU /6RM/DXIT.SQ	S028	105	CPS028 69 A
COMPCOM	ERR.RM EQU /6RM/ERR.RM	S028	106	CPS028 70 A
COMPCOM	FLSH.SQ EQU /6RM/FLSH.SQ	S028	107	CPS028 71 A
COMPCOM	FLSH.WA EQU /6RM/FLSH.WA	S028	108	CPS028 72 A
COMPCOM	GXIT.SQ EQU /6RM/GXIT.SQ	S028	109	CPS028 73 A
COMPCOM	MCT.RM EQU /6RM/MCT.RM	S028	110	CPS028 74 A
COMPCOM	MOVE.RM EQU /6RM/MOVE.RM	S028	111	CPS028 75 A
COMPCOM	OPEX.SQ JP **400000B	S028	112	CPS028 76 A
COMPCOM	OSUB.RM EQU /6RM/OSUB.RM	S028	113	CPS028 77 A
COMPCOM	PUT.SQ EQU /6RM/PUT.SQ	S028	114	CPS028 78 A
COMPCOM	RLEQ.RM EQU /6RM/RLEQ.RM	S028	115	CPS028 79 A
COMPCOM	RMU.SQ EQU /6RM/RMU.SQ	S028	116	CPS028 80 A
COMPCOM	RMU0.SQ EQU /6RM/RMU0.SQ	S028	117	CPS028 81 A
COMPCOM	RMU1.SQ EQU /6RM/RMU1.SQ	S028	118	CPS028 82 A
COMPCOM	RSPT.SQ EQU /6RM/RSPT.SQ	S028	119	CPS028 83 A
COMPCOM	SKGT.SQ EQU /6RM/SKGT.SQ	S028	120	CPS028 84 A

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## 1412THE

7

LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	ECHO	1,P=(1,2,3,4,5,6,7,8,9)	F7540CP	11	I
1	COMPASS	-CPSA134		F7540CP	12	I
2	COMPASS	ENV_P	SET 0	F7540CP	13	I
3	COMPASS	-CPSA134		F7540CP	14	I
4	COMPASS	-CPSA134		F7540CP	15	I
5	COMPASS	IFC	EQ,*"MODEL"*76*	F7540CP	16	I
6	COMPASS	-CPSA134		F7540CP	17	I
7	COMPASS	IFC	EQ,*"OS.VER"*1.0 *	F7540CP	18	I
8	COMPASS	-CPSA134		F7540CP	19	I
9	COMPASS	IFC	EQ,*"OS.NAME"*KRONOS*	F7540CP	20	I
10	COMPASS	-CPSA134		F7540CP	21	I
11	COMPASS	ENV1	SET 1	F7540CP	22	I
12	COMPASS	-CPSA134		F7540CP	23	I
13	COMPASS	ENDIF		F7540CP	24	I
14	COMPASS	-CPSA134		F7540CP	25	I
15	COMPASS	IFC	EQ,*"MODEL"*76*	F7540CP	26	I
16	COMPASS	-CPSA134		F7540CP	27	I
17	COMPASS	IFC	EQ,*"OS.VER"*2.1 *	F7540CP	28	I
18	COMPASS	-CPSA134		F7540CP	29	I
19	COMPASS	IFC	EQ,*"OS.NAME"*SCOPE *	F7540CP	30	I
20	COMPASS	-CPSA134		F7540CP	31	I
21	COMPASS	ENV2	SET 1	F7540CP	32	I
22	COMPASS	-CPSA134		F7540CP	33	I
23	COMPASS	ENDIF		F7540CP	34	I
24	COMPASS	-CPSA134		F7540CP	35	I
25	COMPASS	IFC	EQ,*"MODEL"*176*	F7540CP	36	I
26	COMPASS	-CPSA134		F7540CP	37	I
27	COMPASS	IFC	EQ,*"OS.VER"*2.1 *	F7540CP	38	I
28	COMPASS	-CPSA134		F7540CP	39	I
29	COMPASS	IFC	EQ,*"OS.NAME"*SCOPE *	F7540CP	40	I
30	COMPASS	-CPSA134		F7540CP	41	I
31	COMPASS	ENV3	SET 1	F7540CP	42	I
32	COMPASS	-CPSA134		F7540CP	43	I
33	COMPASS	ENDIF		F7540CP	44	I
34	COMPASS	-CPSA134		F7540CP	45	I
35	COMPASS	IFLT	"MODEL",75	F7540CP	46	I
36	COMPASS	-CPSA134		F7540CP	47	I
37	COMPASS	IFC	EQ,*"OS.VER"*3.4 *	F7540CP	48	I
38	COMPASS	-CPSA134		F7540CP	49	I
39	COMPASS	IFC	EQ,*"OS.NAME"*SCOPE *	F7540CP	50	I
40	COMPASS	-CPSA134		F7540CP	51	I
41	COMPASS	ENV4	SET 1	F7540CP	52	I
42	COMPASS	-CPSA134		F7540CP	53	I
43	COMPASS	ENDIF		F7540CP	54	I
44	COMPASS	-CPSA134		F7540CP	55	I
45	COMPASS	IFC	LT,*"MODEL"*176*	F7540CP	56	I
46	COMPASS	-CPSA134		F7540CP	57	I
47	COMPASS	IFC	EQ,*"OS.VER"*3.4 *	F7540CP	58	I
48	COMPASS	-CPSA134		F7540CP	59	I
49	COMPASS	IFC	EQ,*"OS.NAME"*SCOPE *	F7540CP	60	I
50	COMPASS	-CPSA134		F7540CP	61	I
51	COMPASS	-CPSA134		F7540CP	62	I
52						
53		0	1	2	3	4
54		1234567890123456789012345678901234567890123456789012345678901234567890				
55						
56						
57						
58						
59						
60						

## 1412THE

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1412THE

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-F7540CP

1	COMPASS	IFC	LT, "MODEL" 75	CP139CP	111	I	
2	-F7540CP						
3	COMPASS	ENV	(1),X	F7540CP	62	I	
4	-CPSA134						
5	COMPASS	CP.BASE	EQU RA.ORG+10B+4 LEAVE ROOM FOR 54-TABLE AND ENTRY POINTS	CP139CP	112	I	
6	-CPSA134						
7	COMPASS	ELSE		CP139CP	113	I	
8	-F7540CP	-CPSA134					
9	COMPASS	ELSE 1		F7540CP	63	I	
10	-CPSA134						
11	COMPASS	CP.BASE	EQU RA.ORG+4 LEAVE ROOM FOR ENTRY POINTS ONLY	CP139CP	114	I	
12	-CPSA134						
13	COMPASS	IF	DEF,SCOPE1,2	CPSA134	39	A	
14	COMPASS	CP.BASE	EQU RA.ORG+4 LEAVE ROOM FOR ENTRY POINTS ONLY	CPSA134	40	A	
15	COMPASS	ELSE	1	CPSA134	41	A	
16	COMPASS	CP.BASE	EQU RA.ORG+10B+4 LEAVE ROOM FOR 54 TABLE AND ENTRY POINTS	CPSA134	42	A	
17	COMPASS			CPSA134	43	A	
18	COMPASS	ENDIF		CP139CP	115	I	
19	-F7540CP						
20	COMPASS			CP139CP	116	A	
21	COMPASS	ORG	ORGZ ALIGN *COMPCOM* ORIGIN	CP139CP	117	A	
22	COMPASS	BSS	CP.BASE-* WITH CALLING COMPILERS	CP139CP	118	A	
23	COMPASS	CONTROL	EJECT	CMP30	17	A	
24	COMPASS	***	CONTROL CARD CALL.	COMPASS	22	A	
25	COMPASS	*		COMPASS	23	A	
26	COMPASS	*	COMPASS(P1,P2,...,PN)	COMPASS	24	A	
27	COMPASS	*		COMPASS	25	A	
28	COMPASS	*	OPTION MEANING	COMPASS	26	A	
29	COMPASS	*		COMPASS	27	A	
30	COMPASS	*		CMP20	1	I	
31	-CMP26						
32	COMPASS	*	A DO NOT ABORT IF ERRORS.	CMP20	2	I	
33	-CMP26						
34	COMPASS	*	A ABORT IF ERRORS.	CMP26	1	A	
35	COMPASS	*		CMP26	2	A	
36	COMPASS	*	B BINARY ON FILE *LGO*.	COMPASS	28	A	
37	COMPASS	*	B=0 NO BINARY.	COMPASS	29	A	
38	COMPASS	*	B=FNAME BINARY ON FILE *FNAME*.	COMPASS	30	I	
39	-CMP30						
40	COMPASS	*	B=LFN BINARY ON FILE *LFN*.	CMP30	18	A	
41	COMPASS	*		COMPASS	31	A	
42	COMPASS	*	D GENERATE BINARY EVEN IF ASSEMBLY ERRORS.	COMPASS	32	A	
43	COMPASS	*		COMPASS	33	A	
44	COMPASS	*	F *F SET TO *COMPASS*.	COMPASS	34	I	
45	-CMP15						
46	COMPASS	*	F=NAME *F SET TO *NAME*.	COMPASS	35	I	
47	-CMP15						
48	COMPASS	*	F *F SET TO 0.	CMP15	1	A	
49	COMPASS	*	F=NUMBER *F SET TO NUMBER.	CMP15	2	A	
50	COMPASS	*	F=NAME *F SET TO NUMBER CORRESPONDING TO NAME	CMP15	3	A	
51	COMPASS	*	(0=COMPASS, 1=RUN, 2=FTN)	CMP15	4	I	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

## -CPSA240

1	COMPASS	*		(0=COMPASS, 1=RUN, 2=FTN4, 3=FTN5)	CPSA240	7	A		1
2	COMPASS	*			COMPASS	36	A		2
3	COMPASS	*	G	SYSTEXT FROM FILE *SYSTEXT*	COMPASS	37	A		3
4	COMPASS	*	G=0	NO SYSTEXT FROM A FILE.	CMP8	1	A		4
5	COMPASS	*	G=FNAME	SYSTEXT FROM FILE *FNAME*.	COMPASS	38		I	5
6			-CMP30						6
7	COMPASS	*	G=LFN	SYSTEXT FROM FILE *LFN*.	CMP30	19	A		7
8	COMPASS	*	G=LFN/OVL	SYSTEXT FROM OVERLAY *OVL* IN FILE *LFN*.	CMP30	20	A		8
9	COMPASS	*			COMPASS	39	A		9
10	COMPASS	*	I	INPUT FROM FILE *COMPILE*.	COMPASS	40	A		10
11	COMPASS	*	I=FNAME	INPUT FROM FILE *FNAME*.	COMPASS	41		I	11
12			-CMP30						12
13	COMPASS	*	I=LFN	INPUT FROM FILE *LFN*.	CMP30	21	A		13
14	COMPASS	*			COMPASS	42	A		14
15	COMPASS	*	L	LONG LIST ON FILE *OUTPUT*.	COMPASS	43	A		15
16	COMPASS	*	L=0	NO LONG LIST.	COMPASS	44	A		16
17	COMPASS	*	L=FNAME	LONG LIST ON FILE *FNAME*.	COMPASS	45		I	17
18			-CMP30						18
19	COMPASS	*	L=LFN	LONG LIST ON FILE *LFN*.	CMP30	22	A		19
20	COMPASS	*			COMPASS	46	A		20
21	COMPASS	*	LO	SET LIST OPTIONS C, F, G, AND X.	COMPASS	47	A		21
22	COMPASS	*	LO=0	NORMAL LIST OPTIONS.	COMPASS	48		I	22
23			-CMP19						23
24	COMPASS	*	LO=0	NORMAL LIST OPTIONS (B, L, N, AND R).	CMP19	1	A		24
25	COMPASS	*	LO=CCC-CCC	TOGGLE LIST OPTIONS CCC-CCC.	COMPASS	49	A		25
26	COMPASS	*			CMP30	23	A		26
27	COMPASS	*	ML=STRING	VALUE OF *MODLEVEL* MICRO.	CMP30	24	A		27
28	COMPASS	*			COMPASS	50	A		28
29	COMPASS	*	N	NO EJECT FLAG.	COMPASS	51	A		29
30	COMPASS	*			COMPASS	52	A		30
31	COMPASS	*	0	SHORT LIST ON FILE *OUTPUT*.	COMPASS	53	A		31
32	COMPASS	*	0=0	NO SHORT LIST.	COMPASS	54	A		32
33	COMPASS	*	0=FNAME	SHORT LIST ON FILE *FNAME*.	COMPASS	55		I	33
34			-CMP30						34
35	COMPASS	*	0=LFN	SHORT LIST ON FILE *LFN*.	CMP30	25	A		35
36	COMPASS	*			COMPASS	56	A		36
37	COMPASS	*	P	SELECT CONSECUTIVE PAGE NUMBERING.	COMPASS	57	A		37
38	COMPASS	*			CMP30	26	A		38
39	COMPASS	*	PC=STRING	VALUE OF *PCOMMENT* MICRO.	CMP30	27	A		39
40	COMPASS	*			COMPASS	58	A		40
41	COMPASS	*			F4810A	F4810A	5	A	41
42	COMPASS	*	PD	PRINT DENSITY IN LINES/INCH.	F4810A	F4810A	6	A	42
43	COMPASS	*	PD	8 LINES/INCH PRINT DENSITY.	F4810A	F4810A	7	A	43
44	COMPASS	*	PD=X	X LINES/INCH WHERE X=6D OR X=8D.	F4810A	F4810A	8	A	44
45	COMPASS	*	PD=Z	IP.PD LINES/INCH WHERE Z.NE.6 AND Z.NE.8.	F4810A	F4810A	9	A	45
46	COMPASS	*	OMITTED	IP.PD LINES/INCH PRINT DENSITY	F4810A	F4810A	10	A	46
47	COMPASS	*			F4810A	F4810A	11	A	47
48	COMPASS	*	PS	PAGE SIZE IN LINES/PAGE.	F4810A	F4810A	12	A	48
49	COMPASS	*	PS=X	X LINES/PAGE WHERE 4.LE.X.LE.99D.	F4810A	F4810A	13	A	49
50	COMPASS	*	PS=Z	IP.PS LINES/PAGE WHERE Z.LT.4 OR Z.GT.99D.	F4810A	F4810A	14	A	50
51	COMPASS	*	OMITTED	IP.PS LINES/PAGE IF PD NOT SPECIFIED.	F4810A	F4810A	15	A	51

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	*	OMITTED	(PD*IP.PS)/IP.PD LINES/PAGE IF PD SPECIFIED	F4810A	F4810A	16	A		
COMPASS	*			F4810A	F4810A	17	A		
COMPASS	*	S	SYSTEM TEXT NAME *SYSTEXT*.		COMPASS	59		I	
	-CMP30								
COMPASS	*	S=0	NO SYSTEM TEXT.		COMPASS	60		I	
	-CMP30								
COMPASS	*	S=SNAME	SYSTEM TEXT NAME *SNAME*.		COMPASS	61		I	
	-CMP30								
COMPASS	*	S	SYSTEXT FROM LIBRARY OVERLAY *SYSTEXT*.		CMP30	28	A		
COMPASS	*	S=0	NO SYSTEXT FROM A LIBRARY.		CMP30	29	A		
COMPASS	*	S=OVL	SYSTEXT FROM LIBRARY OVERLAY *OVL*.		CMP30	30	A		
COMPASS	*	S=LIB/OVL	SYSTEXT FROM OVERLAY *OVL* IN LIBRARY *LIB*		CMP30	31	A		
COMPASS	*				CMP30	32	A		
COMPASS	*	W	USE *SPY* TO WATCH P-REGISTER WITH N=100B.		CMP30	33	A		
COMPASS	*	W=N	USE *SPY* WITH BIN WIDTH *N* (20,40,100).		CMP30	34	A		
COMPASS	*				COMPASS	62	A		
COMPASS	*	X	XTEXT FILE NAME *OPL*.		COMPASS	63	A		
COMPASS	*	X=FNAME	XTEXT FROM FILE *FNAME*.		COMPASS	64		I	
	-CMP30								
COMPASS	*	X=LFN	XTEXT FROM FILE *LFN*.		CMP30	35	A		
COMPASS	*				CMP30	36	A		
COMPASS	*				CMP30	37	A		
COMPASS	*	IF THE *L* AND *O* PARAMETERS SPECIFY THE SAME FILE, *O*=0*			CMP30	38	A		
COMPASS	*	IS ASSUMED.			CMP30	39	A		
COMPASS	*				CMP30	40	A		
COMPASS	*	MULTIPLE *G* AND *S* PARAMETERS MAY BE USED TO SPECIFY A			CMP30	41	A		
COMPASS	*	TOTAL OF UP TO SEVEN SYSTEM TEXTS. THEY ARE LOADED IN THE			CMP30	42	A		
COMPASS	*	ORDER IN WHICH THEY ARE NAMED ON THE CONTROL CARD, LEFT TO			CMP30	43	A		
COMPASS	*	RIGHT. IF A MACRO, MICRO, OR SYMBOL IS DEFINED MORE THAN			CMP30	44	A		
COMPASS	*	ONCE, THE LAST DEFINITION HOLDS.			CMP30	45	A		
COMPASS	*				CMP30	46	A		
COMPASS	*	THE *X* PARAMETER APPLIES ONLY TO *XTEXT* PSEUDO INSTRUCTIONS			CMP30	47	A		
COMPASS	*	IN WHICH THE LOCATION FIELD (FILE NAME) IS EMPTY.			CMP30	48	A		
COMPASS	*				CMP30	49	A		
COMPASS	*	AFTER THE SEPARATOR FOLLOWING *COMPASS*, BLANKS IN THE			CMP30	50	A		
COMPASS	*	CONTROL CARD ARE IGNORED. A PARAMETER VALUE MAY BE ENCLOSED			CMP30	51	A		
COMPASS	*	IN DOLLAR SIGNS. WITHIN A \$-DELIMITED STRING, ALL SPECIAL			CMP30	52	A		
COMPASS	*	CHARACTERS ARE TREATED AS LETTERS, BLANKS ARE SIGNIFICANT,			CMP30	53	A		
COMPASS	*	AND \$\$ REPRESENTS A SINGLE DOLLAR SIGN. THE CONTROL			CMP30	54	A		
COMPASS	*	STATEMENT MAY BE CONTINUED ONTO AS MANY CARDS AS NECESSARY,			CMP30	55	A		
COMPASS	*	WITH COLUMN 80 OF EACH CARD FOLLOWED BY COLUMN 1 OF THE NEXT			CMP30	56	A		
COMPASS	*	CARD, UNTIL A RIGHT PARENTHESIS OR PERIOD IS ENCOUNTERED.			CMP30	57	A		
COMPASS	CONTROL	SPACE 4			COMPASS	65	A		
COMPASS	***	NORMAL CONTROL CARD OPTIONS.			COMPASS	66	A		
COMPASS	*				COMPASS	67	A		
COMPASS	*				CMP20	3	A		
COMPASS	*	A NOT SELECTED.			CMP20	4	A		
COMPASS	*	B=LGO			COMPASS	68	A		
COMPASS	*	D NOT SELECTED.			COMPASS	69	A		
COMPASS	*	F=0			CMP15	5	A		
COMPASS	*	G NOT SELECTED.			COMPASS	70		I	
	-CMP8								
	0	1	2	3	4	5	6	7	8
	1234567890123456789012345678901234567890123456789012345678901234567890								





## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS						COMPASS	97	I
1	COMPASS	-CMP30						
2	COMPASS	CONCAT	EQU	65B	CONCATENATION CHARACTER	COMPASS	98	I
3		-CMP30						
4	COMPASS	MICMARK	EQU	64B	MICRO NAME ESCAPE CHARACTER	COMPASS	99	I
5		-CMP30						
6	COMPASS	COMCOL	EQU	30	FIRST COLUMN OF COMMENTS FIELD	COMPASS	100	I
7		-CMP30						
8	COMPASS	LIMRECUR	MICRO	1,,*400*	LIMIT FOR RECURSION LEVEL	COMPASS	101	I
9		-CMP30						
10	COMPASS	ORGOVER	EQU	3000B	OVERLAY ORIGIN	COMPASS	102	I
11		-CMP30						
12	COMPASS	IBUFL	EQU	1001B	INPUT BUFFER LENGTH	COMPASS	103	I
13		-CMP30						
14	COMPASS	EBUFL	EQU	1001B	ERROR LISTING BUFFER LENGTH	COMPASS	104	I
15		-CMP30						
16	COMPASS	RBUFL	EQU	1001B	CROSS-REFERENCE BUFFER LENGTH	COMPASS	105	I
17		-CMP30						
18	COMPASS	SBUFL	EQU	4000B	INTERMEDIATE BUFFER LENGTH	COMPASS	106	I
19		-CMP25	-CMP30					
20	COMPASS	SBUFL	EQU	2001B	INTERMEDIATE BUFFER LENGTH	CMP25	1	I
21		-CMP30						
22	COMPASS	DBUFL	EQU	1001B*DEBUG	SNAPPER BUFFER LENGTH	CMP14	10	I
23		-CMP30						
24	COMPASS	BBUFL	EQU	1001B	BINARY BUFFER LENGTH	COMPASS	107	I
25		-CMP30						
26	COMPASS	PAGESIZ	EQU	LINP	NUMBER OF LINES PER PAGE	COMPASS	108	I
27		-CMP30						
28	COMPASS	NCARDS	EQU	10	NUMBER OF CARDS PER STATEMENT	COMPASS	109	I
29		-CMP30						
30	COMPASS	NLITS	EQU	100	LIT PSEUDO WORD COUNT	COMPASS	110	I
31		-CMP30						
32	COMPASS	NSYMT	EQU	256	NOMINAL SYMTAB SIZE, MUST BE POWER 2	COMPASS	111	I
33		-CMP30						
34	COMPASS	NOPCT	EQU	128	BASE OP-CODE TABLE SIZE (POWER 2)	COMPASS	112	I
35		-CMP30						
36	COMPASS	PARAMS	EJECT			CMP30	61	A
37	COMPASS	****			INSTALLATION OPTIONS AND OTHER ASSEMBLY PARAMETERS.	CMP30	62	A
38	COMPASS					CP139CP	119	A
39	COMPASS					CP139CP	120	A
40	COMPASS					CP139CP	121	A
41	COMPASS	**			SUPPRESS CONTROL STATEMENT ARGUMENT CHECKING BY SYSTEM.	CP139CP	122	A
42	COMPASS					CP139CP	123	A
43	COMPASS	ARG=	EQU	1		CP139CP	124	A
44	COMPASS					CMP30	63	A
45	COMPASS					CMP30	64	A
46	COMPASS					CMP30	65	A
47	COMPASS	**			MINIMUM I/O BUFFER LENGTH.	CMP30	66	A
48	COMPASS					CMP30	67	A
49	COMPASS	BUFL	MICRO	1,, 1001B		CMP30	68	A
50	COMPASS					CMP30	69	A
51	COMPASS					CMP30	70	A
52								
53		0	1	2	3	4	5	6
54		1234567890123456789012345678901234567890123456789012345678901234567890						
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	IFC	LT,*"OS.VER"*2*,2	S028	134	CPS028	93	I		
COMPASS	-F7540CP								
COMPASS	CP#RM	EQU	0	USE CIO ON 7600 SCOPE 1	S028	135	CPS028	94	I
COMPASS	-F7540CP								
COMPASS	SKIP	1			S028	136	CPS028	95	I
COMPASS	-F7540CP								
COMPASS	CP#RM	EQU	7	USE 7RM ON 7000 SCOPE 2	S028	137	CPS028	96	A
COMPASS	ENDIF				S028	138	CPS028	97	A
COMPASS							CMP30	99	A
COMPASS							CMP30	100	A
COMPASS							CMP30	101	A
COMPASS	**	DEBUGGING FACILITY CONTROL.					CMP30	102	A
COMPASS	*	DEBUG = 0 TO OMIT DEBUGGING FACILITY.					CMP30	103	A
COMPASS	*	= 1 TO INCLUDE DEBUGGING FACILITY.					CMP30	104	A
COMPASS							CMP30	105	A
COMPASS	DEBUG	EQU	0				CMP30	106	A
COMPASS							CP139CP	125	A
COMPASS							CP139CP	126	A
COMPASS							CP139CP	127	A
COMPASS	**	FL INCREMENT BY WHICH COMPASS WILL INCREASE FL ON EACH MEMORY	F4810B	F4810B	5	A			
COMPASS	*	REQUEST.	F4810B	F4810B	6	A			
COMPASS			F4810B	F4810B	7	A			
COMPASS	FLINC	CEQU	2000B	NUMBER OF WORDS PER CENTRAL MEMORY REQUEST	F4810B	F4810B	8	I	
COMPASS	-CPSA125								
COMPASS	FLINC	CEQU	4000B	NUMBER OF WORDS PER CENTRAL MEMORY REQUEST		CPSA125	5	A	
COMPASS					F4810B	F4810B	9	A	
COMPASS					F4810B	F4810B	10	A	
COMPASS					F4810B	F4810B	11	A	
COMPASS	**	INSTALLATION PARAMETERS FOR PRINT FORMATS.				CP139CP	128	A	
COMPASS						CP139CP	129	A	
COMPASS	IF	-DEF,IP.PD,1				CPSA214	6	A	
COMPASS	IP.PD	CEQU	6	PRINT DENSITY - 3, 4, 6, OR 8 LINES / INCH		CP139CP	130	A	
COMPASS	IF	-DEF,IP.PS,1				CPSA214	7	A	
COMPASS	IP.PS	CEQU	IP.PD*10	PAGE SIZE - NUMBER OF LINES PER PAGE		CP139CP	131	A	
COMPASS	IF	-DEF,IP.PW,1				CPSA214	8	A	
COMPASS	IP.PW	CEQU	136	PAGE WIDTH - NUMBER OF CHARACTERS PER LINE		CP139CP	132	A	
COMPASS						CMP30	107	I	
COMPASS	-CPS028								
COMPASS						CMP30	108	I	
COMPASS	-CPS028								
COMPASS						CMP30	109	I	
COMPASS	-CPS028								
COMPASS	**	INTEGER MULTIPLY INSTRUCTION OPTION.				CMP30	110	I	
COMPASS	-CPS028								
COMPASS	*	INTMUL = 0 IF INTEGER MULTIPLY HARDWARE MOD NOT INSTALLED.				CMP30	111	I	
COMPASS	-CPS028								
COMPASS	*	= 1 IF INTEGER MULTIPLY INSTRUCTION CAN BE USED.				CMP30	112	I	
COMPASS	-CPS028								
COMPASS						CMP30	113	I	
COMPASS	-CPS028								
COMPASS	INTMUL	EQU	0			CMP30	114	I	
COMPASS	-CPS028								
0	1	2	3	4	5	6	7	8	
123456789012345678901234567890123456789012345678901234567890									

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS						CMP30	115	I
1	COMPASS	-CPS028				CMP30	116	I
2	COMPASS	-CPS028				CMP30	117	I
3	COMPASS	-CPS028				CMP30	118	I
4	COMPASS	**	LIBRARY NAME FOR COMPASS LEVEL (1,0) OVERLAY.			CMP30	119	I
5	COMPASS	-CPS028				CMP30	120	I
6	COMPASS	-CPS028				CMP30	121	A
7	COMPASS	LIBRARY MICRO			SEARCH GLOBAL LIBRARY SET	CMP30	122	A
8	COMPASS	-CPS028				CMP30	123	A
9	COMPASS	**	MAXIMUM RECURSION DEPTH.			CMP30	124	A
10	COMPASS	LIMRECUR MICRO	1,,	400		CMP30	125	A
11	COMPASS					CMP30	126	A
12	COMPASS					CMP30	127	A
13	COMPASS					CMP30	128	A
14	COMPASS	**	RECORD MANAGER LISTING CONTROL.			CMP30	129	A
15	COMPASS	*	LISTRM = * * TO LIST RECORD MANAGER ROUTINES.			CMP30	130	A
16	COMPASS	*	= *- * TO SUPPRESS LISTING OF RM CODE.			CMP30	131	A
17	COMPASS					CMP30	132	A
18	COMPASS	LISTRM MICRO	1,,	-		CMP30	133	A
19	COMPASS					CMP30	134	A
20	COMPASS				S028 142 CPS028	98	A	
21	COMPASS				S028 143 CPS028	99	A	
22	COMPASS				S028 144 CPS028	100	A	
23	COMPASS	**	MAXIMUM ECS/LCM FIELD LENGTH FOR COMPASS.			S028 145 CPS028	101	A
24	COMPASS				S028 146 CPS028	102	A	
25	COMPASS	MFL	EQU	200000B	= 65536 DECIMAL	S028 147 CPS028	103	A
26	COMPASS					CP139CP	133	A
27	COMPASS					CP139CP	134	A
28	COMPASS					CP139CP	135	A
29	COMPASS	**	MINIMUM FIELD LENGTH FOR COMPASS.			CP139CP	136	A
30	COMPASS					CP139CP	137	A
31	COMPASS	MFL=	EQU	250000B		CP139CP	138	I
32	COMPASS	-F4810B						
33	COMPASS	MFL=	EQU	210000B	F4810B F4810B	12	I	
34	COMPASS	-CPSA125						
35	COMPASS	MFL=	EQU	10000B		CPSA125	6	I
36	COMPASS	-CPSA241						
37	COMPASS	*MFL=	EQU	MIN.FL	DEFINED AT END OF PROGRAM.	CPSA241	5	A
38	COMPASS					CMP30	135	A
39	COMPASS					CMP30	136	A
40	COMPASS					CMP30	137	A
41	COMPASS	**	MICRO SUBSTITUTION MARK (DISPLAY CODE).			CMP30	138	A
42	COMPASS					CMP30	139	A
43	COMPASS	MICMARK EQU	64B		PRINT 1 NOT-EQUAL OR PRINT 2 DOUBLE-QUOTE	CMP30	140	A
44	COMPASS					CMP30	141	I
45	COMPASS	-CPS028						
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## COMPASS

[illegible]

## 1412THE

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\* = 1 FOR TWO OVERLAYS,  $(0,0)$  AND  $(1,0)$ .

[illegible]





- CPSA098

1

\* (STATUS) = BUFFER STATUS.

1

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	R=	X1,M				CMP20	19	I	
COMPASS	-CMP30	RJ	=XMSG=			CMP20	20	I	
COMPASS	-CMP30								
COMPASS		IFC	LT, "MODEL" 75			CMP30	284	I	
COMPASS	-CPS028								
COMPASS		MESSAGE (M),LOCAL,L				CMP30	285	I	
COMPASS	-CPS028								
COMPASS		ELSE				CMP30	286	I	
COMPASS	-CPS028								
COMPASS	RM	IFEQ	CP#RM,0			CMP30	287	I	
COMPASS	-CPS028								
COMPASS		MESSAGE (M),3,L				CMP30	288	I	
COMPASS	-CPS028								
COMPASS	RM	ELSE				CMP30	289	I	
COMPASS	-CPS028								
COMPASS		IFEQ	CP#RM,7	S028	164	CPS028	114	A	
COMPASS		MESSAGE (M),,L				CMP30	290	A	
COMPASS		ELSE		S028	166	CPS028	115	A	
COMPASS		MESSAGE (M),LOCAL,L		S028	167	CPS028	116	A	
COMPASS		ENDIF				CMP30	291	A	
COMPASS		ENDM				CMP20	21	A	
COMPASS				S028	169	CPS028	117	A	
COMPASS				S028	170	CPS028	118	A	
COMPASS	LOCAL	EQU	3	LOCAL DAYFILE FLAG FOR KRONOS AND SCOPE 1	S028	171	CPS028	119	A
COMPASS	MANAGE	SPACE	4			COMPASS	150	A	
COMPASS	**	MANAGE	- MANAGE TABLE MACRO.			COMPASS	151	A	
COMPASS	*	MANAGE	TABNAM,INCR			COMPASS	152	A	
COMPASS	*	ENTRY	(TABNAM) = TABLE NAME.			COMPASS	153	A	
COMPASS	*		(INCR) = TABLE LENGTH INCREMENT.			COMPASS	154	A	
COMPASS						COMPASS	155	A	
COMPASS						COMPASS	156	A	
COMPASS	MANAGE	MACRO	TABNAM,INCR			COMPASS	157	A	
COMPASS		R=	X1,INCR			COMPASS	158	A	
COMPASS		R=	A0,TABNAM			COMPASS	159	A	
COMPASS		RJ	ALC			COMPASS	160	A	
COMPASS		ENDM				COMPASS	161	A	
COMPASS	TABLE	SPACE	4			COMPASS	162	A	
COMPASS	**	TABLE	- CREATE MANAGED TABLE.			COMPASS	163	A	
COMPASS	*	TABLE	TNAM,EQIV			COMPASS	164	A	
COMPASS	*	ENTRY	(TNAM) = TABLE NAME.			COMPASS	165	A	
COMPASS	*		(EQIV) = EQUIVALENCED TABLE NAME.			COMPASS	166	A	
COMPASS						COMPASS	167	A	
COMPASS						COMPASS	168	A	
COMPASS		MACRO	TABLE,TNAM,EQIV			COMPASS	169	A	
COMPASS		IFC	EQ,**EQIV*			COMPASS	170	I	
COMPASS	-CP096A								
COMPASS		IF	-DEF,0.TNAM			CP096A	31	A	
COMPASS	1	IFC	EQ,**EQIV*			CP096A	32	A	
COMPASS	TNAM	EQU	*-ORIGINS			COMPASS	171	A	
COMPASS		CON	TNAM			COMPASS	172	I	
COMPASS	-CMP30								
0	1	2	3	4	5	6	7	8	
123456789012345678901234567890123456789012345678901234567890									

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	ORG	*-1	COMPASS	173	I
COMPASS	-CMP30		COMPASS	174	A
COMPASS	O.TNAM	CON	COMPASS	175	A
COMPASS	L.TNAM	CON	COMPASS	176	A
COMPASS		RMT	COMPASS	177	A
COMPASS		ELSE	COMPASS	178	I
COMPASS	-CP096A		CP096A	33	A
COMPASS	1	ELSE	COMPASS	179	A
COMPASS	TNAM	EQU	COMPASS	180	A
COMPASS	O.TNAM	EQU	COMPASS	181	A
COMPASS		RMT	COMPASS	182	A
COMPASS	L.TNAM	EQU	COMPASS	183	A
COMPASS		RMT	COMPASS	184	I
COMPASS		ENDIF			
COMPASS	-CP096A				
COMPASS	DEBUG	IFNE	S028 173 CPS028	120	A
COMPASS		RMT	S028 174 CPS028	121	A
COMPASS		CON	S028 175 CPS028	122	A
COMPASS			S028 176 CPS028	123	A
COMPASS		RMT	S028 177 CPS028	124	A
COMPASS		ENDIF	COMPASS	185	A
COMPASS		ENDM	COMPASS	186	A
COMPASS	PCARD	SPACE	COMPASS	187	A
COMPASS	**	PCARD	COMPASS	188	A
COMPASS	*	PCARD	COMPASS	189	A
COMPASS	*	ENTRY	COMPASS	190	A
COMPASS		(TNAM) =	COMPASS	191	A
COMPASS		MANAGED	COMPASS	192	A
COMPASS		TABLE	COMPASS	193	A
COMPASS		NAME.	COMPASS	194	A
COMPASS	PCARD	MACRO	COMPASS	195	A
COMPASS		R=	COMPASS	196	A
COMPASS		X1,TNAM	COMPASS	197	A
COMPASS		RJ	COMPASS	198	A
COMPASS		PCARD	COMPASS	199	A
COMPASS		ENDM	COMPASS	200	A
COMPASS	ADDWORD	SPACE	COMPASS	201	A
COMPASS	**	ADDWORD	COMPASS	202	A
COMPASS	*	ADDWORD	COMPASS	203	A
COMPASS	*	ADDWORD	COMPASS	204	A
COMPASS		TABNAM	COMPASS	205	A
COMPASS		ENTRY	COMPASS	206	I
COMPASS		(TABNAM) =			
COMPASS		MANAGED			
COMPASS		TABLE			
COMPASS		NAME.			
COMPASS	ADDWORD	MACRO			
COMPASS		R=			
COMPASS		A0,TABNAM			
COMPASS		RJ			
COMPASS		ADDWORD			
COMPASS		ENDM			
COMPASS	LOVER	TITLE			
COMPASS		MAIN			
COMPASS		PROGRAM.			
COMPASS	-CMP30		COMPASS	207	I
COMPASS	**	ENTRY			
COMPASS	-CMP30	POINTS			
COMPASS		COMPATIBLE			
COMPASS		WITH			
COMPASS		*RUN*			
COMPASS		AND			
COMPASS		*FTN*.			
COMPASS	-CMP30		COMPASS	208	I
COMPASS	-CMP30		COMPASS	209	I
COMPASS	-CMP30		COMPASS	210	I
COMPASS	ORG	101B			
COMPASS	-CMP30				
0	1	2	3	4	5
1234567890	1234567890	1234567890	1234567890	1234567890	1234567890
1234567890	1234567890	1234567890	1234567890	1234567890	1234567890



## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

[illegible]



LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

1	COMPASS	-CMP30	SB5	X4		COMPASS	262	I	1	
2	COMPASS	-CMP30	LX4	59-36		COMPASS	263	I	2	
3		-CMP30							3	
4	COMPASS	-CMP30	PL	X4,LOV	IF LOADED	COMPASS	264	I	4	
5		-CMP30							5	
6	COMPASS	-CMP30	SX7	LOVC		COMPASS	265	I	6	
7		-CMP30							7	
8	COMPASS	-CMP30	SX2	3RABT		COMPASS	266	I	8	
9		-CMP30							9	
10	COMPASS	-CMP30	EQ	ENP	TERMINATE PROGRAM	COMPASS	267	I	10	
11		-CMP30							11	
12	COMPASS	-CMP30				COMPASS	268	I	12	
13		-CMP30							13	
14	COMPASS	LOVA	DATA	01010140BS36		COMPASS	269	I	14	
15		-CMP30							15	
16	COMPASS	-CMP30				COMPASS	270	I	16	
17		-CMP30							17	
18	COMPASS	LOVB	VFD	42/0LLDR,18/LOVERT		COMPASS	271	I	18	
19		-CMP20	-CMP30						19	
20	COMPASS	LOVB	VFD	42/0LLDV,18/LOVERT		CMP20	22	I	20	
21		-CMP30							21	
22	COMPASS	-CMP30				COMPASS	272	I	22	
23		-CMP30							23	
24	COMPASS	LOVC	DATA	H*CANT LOAD*		COMPASS	273	I	24	
25		-CMP30							25	
26	COMPASS	-CMP30	BSS	1		COMPASS	274	I	26	
27		-CMP30							27	
28	COMPASS	OVL	SPACE	4		COMPASS	275	I	28	
29		-CMP30							29	
30	COMPASS	**	OVL	- CALL FOR OVERLAY LOAD.		COMPASS	276	I	30	
31		-CMP30							31	
32	COMPASS	*	ENTRY	(X1) = OVERLAY NAME LEFT JUSTIFIED.		COMPASS	277	I	32	
33		-CMP30							33	
34	COMPASS	*	EXIT TO OVERLAY.			COMPASS	278	I	34	
35		-CMP30							35	
36	COMPASS	-CMP30				COMPASS	279	I	36	
37		-CMP30							37	
38	COMPASS	-CMP30				COMPASS	280	I	38	
39		-CMP30							39	
40	COMPASS	OVL	RJ	LOV		COMPASS	281	I	40	
41		-CMP30							41	
42	COMPASS	-CMP30	JP	B5		COMPASS	282	I	42	
43		-CMP30							43	
44	COMPASS	RCL	SPACE	4		COMPASS	283	I	44	
45		-CMP30							45	
46	COMPASS	**	RCL	- RECALL CPU.		COMPASS	284	I	46	
47		-CMP30							47	
48	COMPASS	-CMP30				COMPASS	285	I	48	
49		-CMP30							49	
50	COMPASS	-CMP30				COMPASS	286	I	50	
51		-CMP30							51	
52									52	
53		0	1	2	3	4	5	6	7	8
54		1234567890123456789012345678901234567890123456789012345678901234567890								
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

1	COMPASS	RCL	PS		COMPASS	287	I	1	
2	COMPASS	-CMP30	SX6	3RRCL	COMPASS	288	I	2	
3		-CMP30						3	
4	COMPASS		LX6	42	COMPASS	289	I	4	
5		-CMP30						5	
6	COMPASS		RJ	SYS	COMPASS	290	I	6	
7		-CMP30						7	
8	COMPASS	+	SA5	1	COMPASS	291	I	8	
9		-CMP30						9	
10	COMPASS		NZ	X5,*	COMPASS	292	I	10	
11		-CMP30						11	
12	COMPASS		EQ	RCL	COMPASS	293	I	12	
13		-CMP30						13	
14	COMPASS	STOP	SPACE	4	COMPASS	294	I	14	
15		-CMP30						15	
16	COMPASS	STACK	SPACE	4	CMP30	292	A	16	
17	COMPASS	**	STACK	- DEFINE PUSH-DOWN STACK AREA.	CMP30	293	A	17	
18	COMPASS	*NAME	STACK	BPE,MAX,VAL	CMP30	294	A	18	
19	COMPASS	*	ENTRY	(NAME) = NAME OF STACK.	CMP30	295	A	19	
20	COMPASS	*		(BPE) = NUMBER OF BITS PER ENTRY.	CMP30	296	A	20	
21	COMPASS	*		(MAX) = MAXIMUM NUMBER OF ENTRIES.	CMP30	297	A	21	
22	COMPASS	*		(VAL) = DEFAULT ENTRY VALUE.	CMP30	298	A	22	
23	COMPASS				CMP30	299	A	23	
24	COMPASS				CMP30	300	A	24	
25	COMPASS		MACRO	STACK,NAME,BPE,MAX,VAL	CMP30	301	A	25	
26	COMPASS	U.	SET	60/BPE	CMP30	302	A	26	
27	COMPASS	N.	SET	MAX+U.-1	CMP30	303	A	27	
28	COMPASS	N.	SET	N./U.	CMP30	304	A	28	
29	COMPASS	U.	SET	60-U.*BPE	CMP30	305	A	29	
30	COMPASS	NAME	VFD	18/VAL,6/U.,6/BPE,6/0,6/0,18/MAX	CMP30	306	A	30	
31	COMPASS		BSSZ	N.	CMP30	307	A	31	
32	COMPASS	STACKPTR	RMT		CMP30	308	A	32	
33	COMPASS		VFD	42/MAX,18/NAME	CMP30	309	A	33	
34	COMPASS		RMT		CMP30	310	A	34	
35	COMPASS		ENDM		CMP30	311	A	35	
36	COMPASS	INTMUL	SPACE	4	CMP30	312	A	36	
37	COMPASS	**		REDEFINE INTEGER MULTIPLY INSTRUCTION.	CMP30	313	A	37	
38	COMPASS				CMP30	314	A	38	
39	COMPASS				CMP30	315	A	39	
40	COMPASS		IFNE	INTMUL,0,2	CMP30	316	I	40	
41		-CPS028						41	
42	COMPASS		IF	DEF,IP.IMUL,3	S028 179	CPS028	125	A	42
43	COMPASS		IFNE	IP.IMUL,0,2	S028 180	CPS028	126	A	43
44	COMPASS		PURGDEF	IXX*X		CMP30	317	A	44
45	COMPASS	IXX*X	CPSYN	DXX*X		CMP30	318	A	45
46	COMPASS	SCOPE1	SPACE	4		CMP30	319	A	46
47	COMPASS	**		REDEFINE SYSTEM MACROS FOR KRONOS AND SCOPE 1.		CMP30	320	A	47
48	COMPASS					CMP30	321	A	48
49	COMPASS					CMP30	322	A	49
50	COMPASS	RM	IFEQ	CP#RM,0		CMP30	323	I	50
51		-CPS028							51
52									52
53		0	1	2	3	4	5	6	53
54		1234567890123456789012345678901234567890123456789012345678901234567890							54



## 1412THE

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	RM	IF	-DEF,HF.L	IF NO LCM AVAILABLE.	F4830CP	5	I		
COMPASS	-CPSA214	IFNE	CP#RM,7		CPSA214	9	A		
COMPASS	RM				CP096A	39	A		
COMPASS	RXX	PURGDEF	RXX		CP096A	40	A		
COMPASS		OPDEF	I,K		CP096A	41	A		
COMPASS		SA.I	X.K		CP096A	42	A		
COMPASS		ERRMI	I-1	RX.I ILLEGAL	CP096A	43	A		
COMPASS		ERRPL	I-6	RX.I ILLEGAL	CP096A	44	A		
COMPASS		ENDM			CP096A	45	A		
COMPASS	WXX	PURGDEF	WXX		CP096A	46	A		
COMPASS		OPDEF	I,K		CP096A	47	A		
COMPASS		SA.I	X.K		CP096A	48	A		
COMPASS		ERRMI	I-6	WX.I ILLEGAL	CP096A	49	A		
COMPASS		ENDM			CP096A	50	A		
COMPASS	RM	ENDIF			CP096A	51	A		
COMPASS					CP096A	52	A		
COMPASS					CP096A	53	A		
COMPASS					CMP30	348	A		
COMPASS	*CALL	COMPCOM			CMP30	349	A		
COMPASS					CMP30	350	A		
COMPASS					CMP30	351	A		
COMPASS	LINKAGE	TITLE	DEFINITIONS DEPENDENT ON COMPCOM.		CMP30	352	A		
COMPASS	****	DEFINITIONS DEPENDENT ON COMPILER/COMPASS COMMON DECK.			CMP30	353	A		
COMPASS					CMP30	354	A		
COMPASS					CMP30	355	A		
COMPASS					CMP30	356	A		
COMPASS					CMP30	357	A		
COMPASS	**	BUFFER SIZES.			CMP30	358	A		
COMPASS					CMP30	359	A		
COMPASS	BBUFL	EQU	"BUFL"	BINARY BUFFER LENGTH	CMP30	360	A		
COMPASS	DBUFL	EQU	"BUFL"*DEBUG	SNAPPER BUFFER LENGTH	CMP30	361	A		
COMPASS	EBUFL	EQU	"BUFL"	ERROR LISTING BUFFER LENGTH	CMP30	362	A		
COMPASS	GBUFL	EQU	"BUFL"*2	SYSTEM TEXT FILE BUFFER LENGTH	CPS064	3	A		
COMPASS	IBUFL	EQU	"BUFL"	SOURCE INPUT BUFFER LENGTH	CMP30	363	A		
COMPASS	RBUFL	EQU	"BUFL"	CROSS-REFERENCE BUFFER LENGTH	CMP30	364	A		
COMPASS	SBUFL	EQU	"BUFL"*2	INTERMEDIATE BUFFER LENGTH	CMP30	365	A		
COMPASS					CPS064	4	A		
COMPASS					CPS064	5	A		
COMPASS					CPS064	6	A		
COMPASS	**	SECONDARY OVERLAY NAMES.			CPS064	7	A		
COMPASS					CPS064	8	A		
COMPASS	OVLA	MICRO	1,, "CP.NAME"A	PASS 1 AND PASS 2 ROUTINES	CPS064	9	A		
COMPASS					CMP30	366	A		
COMPASS					CMP30	367	A		
COMPASS					CMP30	368	A		
COMPASS	****				CMP30	369	A		
COMPASS	STOP	TITLE	MAIN PROGRAM.		CMP30	370	A		
COMPASS	**	STOP	- END OF JOB PROCESSING.		COMPASS	295	A		
COMPASS					COMPASS	296	A		
COMPASS					COMPASS	297	A		
COMPASS	STOP	SA2	0+2	CHECK FOR OUTPUT COMPLETE	COMPASS	298	I		
	0	1	2	3	4	5	6	7	8
	1234567890123456789012345678901234567890123456789012345678901234567890								

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP042

1	COMPASS	STOP	SA1	MAXSCM	MAX SCM USED DURING RUN	CMP042	1	I	1
2		-CMP30							2
3	COMPASS	STOP	SA1	CP.MAXFL	MAX SCM USED DURING RUN	CMP30	371	A	3
4	COMPASS		SX2	100B+10D		CMP042	2	A	4
5	COMPASS		MX0	-6	ADD THE TEN UNUSED WORDS AND	CMP042	3	A	5
6	COMPASS		IX3	X1+X2	INCREASE TO NEXT MULTIPLE OF 100B	CMP042	4	A	6
7	COMPASS		BX1	X0*X3		CMP042	5	A	7
8	COMPASS		MX6	0		CPS0343	8	A	8
9	COMPASS		SA6	PPTYPE	CLEAR PPTYPE SO OCTAL WILL REALLY BE USED	CPS0343	9	A	9
10	COMPASS		RJ	CONOCT	CONVERT TO OCTAL	CMP042	6	A	10
11	COMPASS		LX6	18		CMP042	7	A	11
12	COMPASS					S028 185 CPS028	129	A	12
13	COMPASS		IFC	LT, "MODEL" 75 ,2		S028 186 CPS028	130	I	13
14		-F7540CP							14
15	COMPASS		ENV	(4,5,7,8),X		F7540CP	65	I	15
16		-CPSA134							16
17	COMPASS		SKIP	3		F7540CP	66	I	17
18		-CPSA134							18
19	COMPASS	X	ELSE			F7540CP	67	I	19
20		-CPSA134							20
21	COMPASS		SX1	3RB		S028 187 CPS028	131	I	21
22		-CPSA134							22
23	COMPASS		ELSE	1		S028 188 CPS028	132	I	23
24		-CPSA134							24
25	COMPASS		SX1	3RB S		CMP042	8	I	25
26		-CPSA134							26
27	COMPASS		IF	DEF,MODL76		CPSA134	49	A	27
28	COMPASS		SX1	3RB S	ASSEMBLED IF MODEL 76 ASSEMBLY (SCM)	CPSA134	50	A	28
29	COMPASS		ELSE	1		CPSA134	51	A	29
30	COMPASS		SX1	3RB	ASSEMBLED IF NOT MODEL 76 ASSEMBLY (CM)	CPSA134	52	A	30
31						S028 190 CPS028	133	A	31
32	COMPASS		MX0	-18		CMP042	9	A	32
33	COMPASS		BX6	X0*X6		CMP042	10	A	33
34	COMPASS		BX6	X6+X1		CMP042	11	A	34
35	COMPASS		SA6	STPA+2	STORE IN MESSAGES	CMP042	12	A	35
36	COMPASS		SA6	STPB+2		CMP042	13	A	36
37	COMPASS		SA2	0+2	CHECK FOR OUTPUT COMPLETE	CMP042	14	I	37
38		-CMP30							38
39	COMPASS		SA3	A2+1		COMPASS	299	I	39
40		-CMP30							40
41	COMPASS		BX6	X2-X3		COMPASS	300	I	41
42		-CMP30							42
43	COMPASS		ZR	X6,STP1	IF NO OUTPUT FILE	COMPASS	301	I	43
44		-CMP30							44
45	COMPASS		WRITER	0		COMPASS	302	I	45
46		-CMP30							46
47	COMPASS	STP1	SA2	E+2		COMPASS	303	I	47
48		-CMP30							48
49	COMPASS		SA3	A2+B1		COMPASS	304	I	49
50		-CMP30							50
51	COMPASS		BX6	X2-X3		COMPASS	305	I	51

0 1 2 3 4 5 6 7 8  
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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

1

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SB1	1		COMPASS	347	I		
-CMP30								
COMPASS	IFNE	OVERLAY,0,1	- RJ LOV -	COMPASS	348	I		
-CMP30								
COMPASS	RJ	LOV		COMPASS	349	I		
-CMP30								
COMPASS	RJ	SES	SET EQUAL SIGN IN PARAMETER LIST	COMPASS	350	I		
-CMP30								
COMPASS	RJ	SNO	SET NORMAL OPTIONS	COMPASS	351	I		
-CMP30								
COMPASS	RJ	TCC	TRANSLATE CONTROL CARD	COMPASS	352	I		
-CMP30								
COMPASS	CMP	SB1	1	SET (B1) = 1	CMP30	433	I	
-CP139CP								
COMPASS	COMPASS	SB1	1	SET (B1) = 1	CP139CP	142	A	
COMPASS	SX6	A0			CMP30	434	A	
COMPASS	BX7	X0			CMP30	435	A	
COMPASS	SA6	CP.NFLS	SAVE FIELD LENGTHS		CMP30	436	A	
COMPASS	SA7	CP.NFLL			CMP30	437	A	
COMPASS	SA6	CP.AFLS			CMP30	438	A	
COMPASS	SA7	CP.AFLL			CMP30	439	A	
COMPASS	SX6	B0	CLEAR SOURCE CARD IMAGE		CMP30	440	A	
COMPASS	SA6	CP.CARD			CMP30	441	A	
COMPASS	SX6	IP.PD	DEFAULT PRINT DENSITY	F4810A	F4810A	18	I	
-CPSA265								
COMPASS	SX7	IP.PS	DEFAULT PAGE SIZE	F4810A	F4810A	19	I	
-CPSA265								
COMPASS	SA6	CP.PD	SET PRINT DENSITY TO DEFAULT	F4810A	F4810A	20	I	
-CPSA265								
COMPASS	SA7	CP.PS	SET PAGE SIZE TO DEFAULT	F4810A	F4810A	21	I	
-CPSA265								
COMPASS	RJ	TFL	TEST FIELD LENGTH, START LOADING OVERLAY		CMP30	442	A	
COMPASS	RJ	ARG	GET ARGUMENTS FROM CONTROL STATEMENT		CMP30	443	I	
-F4810A								
COMPASS					CMP30	444	A	
COMPASS					CMP30	445	A	
COMPASS	IFNE	SPY,0,1			CMP30	446	A	
COMPASS	RJ	SSP	START *SPY*		CMP30	447	A	
COMPASS					CMP30	448	A	
COMPASS	IFNE	OVERLAY,0,1			CMP30	449	A	
COMPASS	RJ	LOV	LOAD OVERLAY		CMP30	450	A	
COMPASS					CMP30	451	A	
COMPASS	RJ	ARG	GET ARGUMENTS FROM CONTROL STATEMENT	F4810A	F4810A	22	A	
COMPASS	RJ	DMF	DIAGNOSE MISUSED FILES (B=A,I=A)		CPS258	5	A	
COMPASS	RJ	IFP	INITIALIZE FILE PARAMETERS		COMPASS	353	A	
COMPASS	RJ	SFV	SET *F VALUE		CMP30	451	A	
COMPASS	RJ	SLF	SET LIST FLAGS		COMPASS	354	A	
COMPASS	EQ	COMPASS	GO TO CONTROL OVERLAY		COMPASS	355	I	
-CP139CP								
COMPASS	EQ	CMP	GO TO CONTROL OVERLAY		CP139CP	143	A	
COMPASS					COMPASS	356	I	
-CMP30								
COMPASS	COMPASS	DATA	0L"OVL"		COMPASS	357	I	
0	1	2	3	4	5	6	7	8
123456789012345678901234567890123456789012345678901234567890								

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP30

1	COMPASS	ARG	SPACE	4		CMP30	452	A	
2	COMPASS	**	ARG	-	PROCESS ARGUMENTS FROM CONTROL STATEMENT.	CMP30	453	A	
3	COMPASS	*	ENTRY		FIRST CARD OF CONTROL STATEMENT IN RA.CCD ET SEQ.	CMP30	454	A	
4	COMPASS	*	EXIT		ARGUMENTS PROCESSED.	CMP30	455	A	
5	COMPASS	*	USES		ALL.	CMP30	456	A	
6	COMPASS	*	CALLS		GAC, GAV.	CMP30	457	A	
7	COMPASS					CMP30	458	A	
8	COMPASS					CMP30	459	A	
9	COMPASS	ARG	PS		RETURN EXIT	CMP30	460	A	
10	COMPASS		JDATE	CP.MODL		CMP30	461	A	
11	COMPASS		SA5	CP.MODL		CMP30	462	A	
12	COMPASS		SA0	10		CMP30	463	A	
13	COMPASS		BX6	X5	SET JULIAN DATE AS DEFAULT	CMP30	464	A	
14	COMPASS		LX6	30	VALUE OF *MODLEVEL* MICRO	CMP30	465	A	
15	COMPASS		SA6	A5		CMP30	466	A	
16	COMPASS		SA6	OPTML		CMP30	467	A	
17	COMPASS		MX0	-6		CMP30	468	A	
18	COMPASS		SB5	B0		CMP30	469	A	
19	COMPASS	ARG1	SB3	B0	SKIP LEADING BLANKS	CMP30	470		I
20		-CPS144							
21	COMPASS		RJ	GAC		CMP30	471		I
22		-CPS144							
23	COMPASS		SB7	X4-1R		CMP30	472		I
24		-CPS144							
25	COMPASS		ZR	B7,ARG1		CMP30	473		I
26		-CPS144							
27	COMPASS	ARG2	SB3	B0	SKIP VERB	CMP30	474		I
28		-CPS061	-CPS144						
29	COMPASS		MX6	0		CPS061	1		I
30		-CPS144							
31	COMPASS	ARG1	SB3	B1	SKIP BLANKS, KCL PREFIXES \$ AND /	CPS144	5	A	
32	COMPASS		RJ	GAC	GET NEXT CHARACTER.	CPS144	6	A	
33	COMPASS		SB7	X4-1R+		CPS144	7	A	
34	COMPASS		PL	B7,ARG1	IF CHARACTER IS NOT ALPHANUMERIC SKIP IT.	CPS144	8	A	
35	COMPASS		SB7	X4-1R0	ELSE	CPS144	9	A	
36	COMPASS		LT	B7,ARG1B	IF ALPHA, GO PROCESS VERB.	CPS144	10	A	
37	COMPASS	ARG1A	SB3	B1	ELSE SKIP KCL LABEL.	CPS144	11	A	
38	COMPASS		RJ	GAC	GET NEXT CHARACTER.	CPS144	12	A	
39	COMPASS		SB7	X4	SET SHIFT COUNT TO OCTAL VALUE OF CHARACTER	CPS144	13	A	
40	COMPASS		SA4	=33320200B	MASK FOR SEPARATORS + - " / = , ( \$	CPS144	14	A	
41	COMPASS		LX4	B7		CPS144	15	A	
42	COMPASS		MI	X4,ARG1	IF SEPARATOR CHECK NEXT FIELD.	CPS144	16	A	
43	COMPASS		EQ	ARG1A	ELSE CONTINUE SKIPPING KCL LABEL.	CPS144	17	A	
44	COMPASS					CPS144	18	A	
45	COMPASS	ARG1B	MX6	0		CPS144	19	A	
46	COMPASS	ARG2	LX6	6	SCAN VERB	CPS061	2	A	
47	COMPASS		SB3	0		CPS061	3	A	
48	COMPASS		BX6	X6+X4		CPS061	4	A	
49	COMPASS		ENV	(2,3,4,5,6),X		CPSA112	5		I
50		-CPSA134							
51	COMPASS	ARG2B	BSS	0		CPSA112	6		I

0 1 2 3 4 5 6 7 8  
123456789012345678901234567890123456789012345678901234567890

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPSA134

ENDIF

-CPSA134

COMPASS

CPSA112

7

I

COMPASS

CPSA134

56

A

COMPASS

CPSA134

57

A

COMPASS

CPSA134

58

A

COMPASS

ARG2B

CPSA134

59

A

COMPASS

CPSA134

60

A

COMPASS

RJ

GAC

CMP30

475

A

COMPASS

SB7

X4-1R9-1

CMP30

476

A

COMPASS

MI

B7,ARG2

CMP30

477

A

COMPASS

ENV

(2,3,4,5,6),X

CPSA112

8

I

-CPSA134

COMPASS

SB7

X4-1R

CPSA112

9

I

-CPSA134

COMPASS

ZR

B7,ARG2B IF SPACE ENCOUNTERED

CPSA112

10

I

-CPSA134

COMPASS

ENDIF

CPSA112

11

I

-CPSA134

COMPASS

CPSA134

61

A

COMPASS

IF

-DEF,SCOPE1,1

CPSA134

62

A

COMPASS

IF

DEF,NOS,2

CPSA134

63

A

COMPASS

SB7

X4-1R ASSEMBLED ON NOS ASSEMBLY ONLY

CPSA134

64

A

COMPASS

ZR

B7,ARG2B IF SPACE ENCOUNTERED

CPSA134

65

A

COMPASS

CPSA134

66

A

COMPASS

SB7

X4-1R. RETURN IF TERMINATOR

CMP30

478

A

COMPASS

SB6

X4-1R)

CMP30

479

A

COMPASS

ZR

B7,ARG

CMP30

480

A

COMPASS

ZR

B6,ARG

CMP30

481

A

COMPASS

SB3

-B1

CMP30

482

A

COMPASS

NE

B6,B1,ARG3 IF NOT \$

CMP30

483

I

-CPS061

COMPASS

NE

B6,B1,ARG2A IF NOT \$

CPS061

5

A

COMPASS

SB3

B0

CMP30

484

A

COMPASS

ARG2A

SA4

ARGQ CHECK VERB

CPS061

6

A

COMPASS

BX6

X6-X4

CPS061

7

A

COMPASS

NZ

X6,ARG3 IF NOT \*EXECUTE\*

CPS061

8

A

COMPASS

RJ

GAV SKIP FIRST ARGUMENT

CPS061

9

A

COMPASS

CMP30

485

A

COMPASS

\*

PROCESS NEXT KEYWORD.

CMP30

486

A

COMPASS

CMP30

487

A

COMPASS

ARG3

MI

B4,ARG RETURN IF TERMINATOR

CMP30

488

A

COMPASS

RJ

GAV

GET ARGUMENT VALUE

CMP30

489

A

COMPASS

ZR

X6,ARG3 IGNORE EMPTY ARGUMENT

CMP30

490

A

COMPASS

SA2

OPT

CMP30

491

A

COMPASS

MX3

12

CMP30

492

A

COMPASS

SB7

LOPT

CMP30

493

A

COMPASS

SA6

ARGM+3

CMP30

494

A

COMPASS

ARG4

BX4

X3\*X2 SEARCH KEYWORD LIST

CMP30

495

A

COMPASS

SB7

B7-1

CMP30

496

A

COMPASS

BX7

X4-X6

CMP30

497

A

COMPASS

ZR

X7,ARG5 IF FOUND

CMP30

498

A

0

1

2

3

4

5

6

7

8

123456789012345678901234567890123456789012345678901234567890



## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA2	A2+1			CMP30	499	A
COMPASS	NZ	B7,ARG4	LOOP		CMP30	500	A
COMPASS	EQ	ARGE			CMP30	501	A
COMPASS	ARG5	SB7	X2		CMP30	502	A
COMPASS	AX2	30			CMP30	503	I
-CPS214							
COMPASS	BX7	X2			CPS214	4	A
COMPASS	LX7	59-29			CPS214	5	A
COMPASS	MI	X7,ARG5A	IF MULTIPLE OCCURRENCES OK		CPS214	6	A
COMPASS	LX7	29-28			CPS214	7	A
COMPASS	MI	X7,ARGE	IF NOT FIRST OCCUR.		CPS214	8	A
COMPASS	MX4	1			CPS214	9	A
COMPASS	BX7	X4+X7			CPS214	10	A
COMPASS	LX7	28+1	RESTORE AND SET *OCCURRED*		CPS214	11	A
COMPASS	SA7	A2			CPS214	12	A
COMPASS					CPS214	13	A
COMPASS	ARG5A	AX2	30		CPS214	14	A
COMPASS	SB6	X2			CMP30	504	A
COMPASS	PL	B6,ARG6	IF = ALLOWED		CMP30	505	A
COMPASS	SX2	-B6			CMP30	506	A
COMPASS	ARG6	SA2	X2	GET DEFAULT VALUE	CMP30	507	A
COMPASS	BX7	X2			CMP30	508	A
COMPASS	MI	B7,ARG7	IF SPECIAL ARGUMENT		CMP30	509	A
COMPASS	ARG6A	BSS	0		CPSA142	28	A
COMPASS	SX2	B4-3			CMP30	510	A
COMPASS	SA7	B7	STORE DEFAULT VALUE		CMP30	511	A
COMPASS	NZ	X2,ARG3	IF NO =		CMP30	512	A
COMPASS	MI	B6,ARGE	IF = NOT ALLOWED		CMP30	513	A
COMPASS	SB2	B6	SAVE LOC. OF DEFAULT OF ARG.		CPS151	6	A
COMPASS	RJ	GAV	GET ARGUMENT VALUE		CMP30	514	A
COMPASS	SA6	B7			CMP30	515	A
COMPASS	EQ	ARG3			CMP30	516	I
-CPS151							
COMPASS	SB7	OPTI	TEST FOR ILLEGAL ARGUMENT *I=0*.		CPS151	7	A
COMPASS	NE	B2,B7,TXARG	IF *ARG"I* TEST FOR *ARG=X*.		CPS151	8	A
COMPASS	ZR	X6,ARGE	ELSE IF *I=0* PRINT ERROR MESSAGE AND ABORT		CPS151	9	A
COMPASS	TXARG	SB7	ELSE TEST FOR ILLEGAL ARGUMENT *X=0*.		CPS151	10	A
COMPASS	NE	B2,B7,ARG3	IF *ARG"X* CONTINUE PROCESSING.		CPS151	11	A
COMPASS	NZ	X6,ARG3	ELSE IF *X"0* CONTINUE PROCESSING.		CPS151	12	A
COMPASS	EQ	ARGE	ELSE PRINT ERROR MESSAGE AND ABORT.		CPS151	13	A
COMPASS	ARG7	SB7	-B7	PROCESS SPECIAL ARGUMENT	CMP30	517	A
COMPASS	JP	B7			CMP30	518	A
COMPASS					CMP30	519	A
COMPASS	*	PROCESS	*E* AND *O* ARGUMENTS		CPSA142	29	A
COMPASS					CPSA142	30	A
COMPASS	ARG7A	SA1	ERFFLG		CPSA142	31	A
COMPASS	NZ,X1	ARGE	IF BOTH E AND O ARE SPECIFIED, ERROR		CPSA142	32	A
COMPASS	SX6	B1			CPSA142	33	A
COMPASS	SA6	A1	SET FLAG TO INDICATE E OR O SPECIFIED		CPSA142	34	A
COMPASS	SB7	ELFN	CELL TO STORE DEFAULT IN		CPSA142	35	A
COMPASS	EQ	ARG6A			CPSA142	36	A
COMPASS					CPSA142	37	A

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## 1412THE

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77	

0	1	2	3	4	5	6	7	8
12345678901	23456789012	34567890123	45678901234	56789012345	67890123456	78901234567	89012345678	90123456789

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA7	B7	STORE DEFAULT VALUE	CMP30	572	A
COMPASS	NZ	B6,ARG3	IF NO =	CMP30	573	A
COMPASS	SB6	54		CMP30	574	A
COMPASS	ARG17	RJ	GAC	CMP30	575	A
COMPASS	NZ	B4,ARG18	IF SEPARATOR	CMP30	576	A
COMPASS	LX4	B6		CMP30	577	A
COMPASS	BX6	X6+X4		CMP30	578	A
COMPASS	SB6	B6-6		CMP30	579	A
COMPASS	PL	B6,ARG17	IF NOT MORE THAN 9 CHARACTERS	CMP30	580	A
COMPASS	EQ	ARGE		CMP30	581	A
COMPASS	ARG18	SA6	B7	CMP30	582	A
COMPASS	EQ	ARG3	STORE ARGUMENT	CMP30	583	A
COMPASS				CMP30	584	A
COMPASS	*	PROCESS	*PC* ARGUMENT.	CMP30	585	A
COMPASS				CMP30	586	A
COMPASS	ARG19	SB7	3	CMP30	587	A
COMPASS		SB6	54	CMP30	588	A
COMPASS		NE	B4,B7,ARG3	CMP30	589	A
COMPASS		SB7	-B7	CMP30	590	A
COMPASS		MX6	0	CMP30	591	A
COMPASS	ARG20	RJ	GAC	CMP30	592	A
COMPASS		NZ	B4,ARG22	CMP30	593	A
COMPASS		LX4	B6	CMP30	594	A
COMPASS		BX6	X6+X4	CMP30	595	A
COMPASS		SB6	B6-6	CMP30	596	A
COMPASS		PL	B6,ARG20	CMP30	597	A
COMPASS		PL	B7,ARG21	CMP30	598	A
COMPASS		SA6	CP.PCOM+3+B7	CMP30	599	A
COMPASS	ARG21	SB7	B7+B1	CMP30	600	A
COMPASS		SB6	54	CMP30	601	A
COMPASS		MX6	0	CMP30	602	A
COMPASS		EQ	ARG20	CMP30	603	A
COMPASS	ARG22	PL	B7,ARG3	CMP30	604	A
COMPASS		SA2	BLANKS	CMP30	605	I
-CPS010						
COMPASS		SA2	ARGL	CPS010	12	A
COMPASS		SB6	B6-48	CMP30	606	A
COMPASS		SB2	6	CMP30	607	A
COMPASS		MX3	0	CMP30	608	A
COMPASS		EQ	B6,B2,ARG23	CMP30	609	A
COMPASS		MX3	6	CMP30	610	A
COMPASS		LX3	B6	CMP30	611	A
COMPASS	ARG23	BX7	-X3*X2	CMP30	612	A
COMPASS		BX6	X6+X7	CMP30	613	A
COMPASS		SA6	CP.PCOM+3+B7	CMP30	614	A
COMPASS		EQ	ARG3	CMP30	615	A
COMPASS				CMP30	616	A
COMPASS	*	PROCESS	*PD* ARGUMENT.	F4810A	23	A
COMPASS				F4810A	24	A
COMPASS	ARG24	SB7	B4-3	F4810A	25	A
COMPASS		SX2	8	F4810A	26	A
COMPASS		NZ	B7,ARG25	F4810A	27	A

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76



## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPSA265

1	COMPASS	RJ	GAV	GET PAGE SIZE	F4810A	F4810A	54	I	1
2	-CPSA265								2
3	COMPASS	RJ	CDB	CONVERT DISPLAY CODE TO BINARY EQUIVALENT	F4810A	F4810A	55	I	3
4	-CPSA265								4
5	COMPASS	MI	X2,ARG3	IF ERROR, RETURN (CP.PS=DEFAULT)	F4810A	F4810A	56	I	5
6	-CPSA265								6
7	COMPASS	SB7	X2-99D		F4810A	F4810A	57	I	7
8	-CPSA265								8
9	COMPASS	GT	B7,ARG3	IF GREATER THAN MAX, RETURN (CP.PS=DEFAULT)	F4810A	F4810A	58	I	9
10	-CPSA265								10
11	COMPASS	SX1	X2-4D		F4810A	F4810A	59	I	11
12	-CPSA265								12
13	COMPASS	MI	X1,ARG3	IF LESS THAN MINIMUM, RETURN(CP.PS=DEFAULT)	F4810A	F4810A	60	I	13
14	-CPSA265								14
15	COMPASS	BX7	X2		F4810A	F4810A	61	I	15
16	-CPSA265								16
17	COMPASS	SA7	CP.PS	SET PAGE SIZE	F4810A	F4810A	62	I	17
18	-CPSA265								18
19	COMPASS	EQ	ARG3	RETURN	F4810A	F4810A	63	I	19
20	-CPSA265								20
21	COMPASS	NZ	B7,ARG3	IF NO = , RETURN JOB DEFAULT		CPSA265	20	A	21
22	COMPASS	RJ	GAV	GET PAGE SIZE VALUE		CPSA265	21	A	22
23	COMPASS	RJ	CDB	CONVERT DISPLAY CODE TO BINARY EQUIVALENT		CPSA265	22	A	23
24	COMPASS	MI	X2,ARG3	IF ERROR, USE JOB DEFAULT		CPSA265	23	A	24
25	COMPASS	SX7	99D	PRESET MAX =99D		CPSA265	24	A	25
26	COMPASS	IX1	X7-X2			CPSA265	25	A	26
27	COMPASS	NG	X1,ARG27	IF .GT. MAX, USE JOB MAX = 99D		CPSA265	26	A	27
28	COMPASS	SX7	4D	PRESET MIN = 4		CPSA265	27	A	28
29	COMPASS	IX1	X2-X7			CPSA265	28	A	29
30	COMPASS	NG	X1,ARG27	IF .LT. MIN, USE MIN = 4		CPSA265	29	A	30
31	COMPASS	BX7	X2			CPSA265	30	A	31
32	COMPASS	SA7	CP.PS	SET PAGE SIZE		CPSA265	31	A	32
33	COMPASS	EQ	ARG3	RETURN		CPSA265	32	A	33
34	COMPASS					CPSA265	33	A	34
35	COMPASS	ARG27	SA7	CP.PS		CPSA265	34	A	35
36	COMPASS		MESSAGE	ARGA,,R		CPSA265	35	A	36
37	COMPASS	EQ	ARG3	RETURN		CPSA265	36	A	37
38	COMPASS				F4810A	F4810A	64	A	38
39	COMPASS	*		ERROR EXIT.		CMP30	617	A	39
40	COMPASS					CMP30	618	A	40
41	COMPASS	ARGE		MESSAGE	ARGM,,R	CMP30	619	A	41
42	COMPASS		ABORT	,NODUMP		CMP30	620	A	42
43	COMPASS					CMP30	621	I	43
44	-F4810A								44
45	COMPASS	ARGL	DATA	10H		CPS010	13	I	45
46	-F4810A								46
47	COMPASS	ARGM	DIS	,* BAD CONTROL CARD ARGUMENT - XXXXXXX*		CMP30	622	I	47
48	-F4810A								48
49	COMPASS	ARGN	DIS	,* MORE THAN 7 SYSTEM TEXTS SPECIFIED.*		CMP30	623	I	49
50	-F4810A								50
51	COMPASS	ARGQ	CON	ØREXECUTE		CPS061	10	I	51

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-F4810A

1	COMPASS	GAC	SPACE	4		CMP30	624	A	1
2	COMPASS	**	GAC -	GET ARGUMENT CHARACTER.		CMP30	625	A	2
3	COMPASS	*	ENTRY	(X0) = MASK -6.		CMP30	626	A	3
4	COMPASS	*		(X5) = CURRENT WORD OF CARD IMAGE.		CMP30	627	A	4
5	COMPASS	*		(A0) = 10.		CMP30	628	A	5
6	COMPASS	*		(A5) = ADDRESS OF (X5).		CMP30	629	A	6
7	COMPASS	*		(B3) = \$ MODE, -1 = NORMAL, 0 = STRING MODE.		CMP30	630	A	7
8	COMPASS	*		(B5) = NUMBER OF CHARACTERS REMAINING IN (X5).		CMP30	631	A	8
9	COMPASS	*	EXIT	(X4) = CHARACTER.		CMP30	632	A	9
10	COMPASS	*		(B4) = CHARACTER TYPE, -1 = TERMINATOR, 0 = ALPHANUM,		CMP30	633	A	10
11	COMPASS	*		+1 = SEPARATOR, +2 = /, +3 = =.		CMP30	634	A	11
12	COMPASS	*		(X5, A5, B3, B5) UPDATED.		CMP30	635	A	12
13	COMPASS	*	USES	X1-X4, A1-A3, A6.		CMP30	636	A	13
14	COMPASS	*	CALLS	CONTRLC, MESSAGE.		CMP30	637	A	14
15	COMPASS					CMP30	638	A	15
16	COMPASS					CMP30	639	A	16
17	COMPASS	GAC	PS	RETURN EXIT		CMP30	640	A	17
18	COMPASS	GAC1	ZR	B5,GAC5	IF (X5) IS EMPTY	CMP30	641	A	18
19	COMPASS		LX5	6		CMP30	642	A	19
20	COMPASS		SB5	B5-B1	EXTRACT NEXT CHARACTER	CMP30	643	A	20
21	COMPASS		BX4	-X0*X5		CMP30	644	A	21
22	COMPASS		SB4	X4-1R\$		CMP30	645	A	22
23	COMPASS		ZR	B4,GAC3	IF \$	CMP30	646	A	23
24	COMPASS		ZR	B3,GAC4	IF IN STRING MODE	CMP30	647	A	24
25	COMPASS		SB4	B0		CMP30	648	A	25
26	COMPASS		MI	B3,GAC2	IF NOT LEAVING STRING MODE	CMP30	649	A	26
27	COMPASS		SB3	-B1		CMP30	650	A	27
28	COMPASS	GAC2	SX2	X4-1R9-1	CLASSIFY CHARACTER	CMP30	651	A	28
29	COMPASS		SX3	X4-1R. -1		CMP30	652	A	29
30	COMPASS		MI	X2,GAC	IF ALPHANUMERIC, RETURN	CMP30	653	A	30
31	COMPASS		SB4	B1		CMP30	654	A	31
32	COMPASS		LX2	2		CMP30	655	A	32
33	COMPASS		PL	X3,GAC	IF NON-DISPLAY, RETURN	CMP30	656	A	33
34	COMPASS		SA3	GACA		CMP30	657	A	34
35	COMPASS		SB4	X2		CMP30	658	A	35
36	COMPASS		LX2	X3,B4	GET CHARACTER TYPE CODE	CMP30	659	A	36
37	COMPASS		AX2	56		CMP30	660	A	37
38	COMPASS		SB4	X2		CMP30	661	A	38
39	COMPASS		NZ	X2,GAC	IF NOT BLANK, RETURN	CMP30	662	A	39
40	COMPASS		PL	X2,GAC		CMP30	663	A	40
41	COMPASS		EQ	GAC1	IGNORE BLANK	CMP30	664	A	41
42	COMPASS	GAC3	SB3	B3+B1		CMP30	665	A	42
43	COMPASS		LE	B3,B1,GAC1	IF NOT SECOND \$ OF A PAIR IN STRING MODE	CMP30	666	A	43
44	COMPASS		SB3	B0		CMP30	667	A	44
45	COMPASS	GAC4	SB4	B0	STRING MODE, RETURN WITH CHARACTER TYPE = 0	CMP30	668	A	45
46	COMPASS		EQ	GAC		CMP30	669	A	46
47	COMPASS	GAC5	SA1	GACC		CMP30	670	A	47
48	COMPASS		SB5	A0		CMP30	671	A	48
49	COMPASS		SA5	A5+B1		CMP30	672	A	49
50	COMPASS		ZR	X1,GAC7	IF INITIAL ENTRY	CMP30	673	A	50
51	COMPASS		NZ	X5,GAC1	IF NOT END OF CARD	CMP30	674	A	51

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## 14121HE

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## 1412THE

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12345678901	23456789012	34567890123	45678901234	56789012345	67890123456	78901234567	89012345678	90123456789



- CMP30

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP30

1	COMPASS	SA1	BINARY	CHECK BINARY NAME	COMPASS	389	I	1
2	-CMP30							2
3	COMPASS	BX2	X0*X1		COMPASS	390	I	3
4	-CMP30							4
5	COMPASS	AX1	42		COMPASS	391	I	5
6	-CMP30							6
7	COMPASS	SX6	X1-1L0		COMPASS	392	I	7
8	-CMP30							8
9	COMPASS	SX3	3		CMP029	6	I	9
10	-CMP30							10
11	COMPASS	ZR	X6,IFP2	IF *0*	COMPASS	393	I	11
12	-CMP30							12
13	COMPASS	SX5	3		COMPASS	394	I	13
14	-CMP029	-CMP30						14
15	COMPASS	IX6	X2+X5		COMPASS	395	I	15
16	-CMP029	-CMP30						16
17	COMPASS	IX6	X2+X3		CMP029	7	I	17
18	-CMP30							18
19	COMPASS	IFP2	SA6	A1	COMPASS	396	I	19
20	-CMP30							20
21	COMPASS	SA1	E	SET ERROR FILE	COMPASS	397	I	21
22	-CMP30							22
23	COMPASS	BX2	X0*X1		COMPASS	398	I	23
24	-CMP30							24
25	COMPASS	IX6	X2+X5		COMPASS	399	I	25
26	-CMP30							26
27	COMPASS	AX1	42		COMPASS	400	I	27
28	-CMP30							28
29	COMPASS	SX7	X1-1L0		COMPASS	401	I	29
30	-CMP30							30
31	COMPASS	SA6	A1		COMPASS	402	I	31
32	-CMP30							32
33	COMPASS	SX6	A1		COMPASS	403	I	33
34	-CMP029	-CMP30						34
35	COMPASS	BX6	X2+X6		COMPASS	404	I	35
36	-CMP029	-CMP30						36
37	COMPASS	SA6	3		COMPASS	405	I	37
38	-CMP029	-CMP30						38
39	COMPASS	NZ	X7,IFP3	IF NOT *0*	COMPASS	406	I	39
40	-CMP30							40
41	COMPASS	BX2	X7		COMPASS	407	I	41
42	-CMP30							42
43	COMPASS	SA7	A1		COMPASS	408	I	43
44	-CMP30							44
45	COMPASS	IFP3	SX6	A1	COMPASS	409	I	45
46	-CMP30							46
47	COMPASS	BX6	X2+X6		COMPASS	410	I	47
48	-CMP30							48
49	COMPASS	SA6	3		COMPASS	411	I	49
50	-CMP029	-CMP30						50
51	COMPASS	MX7	0		CMP029	8	I	51

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-CMP30

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	IFP5	MX7	0	TERMINATE LIST POINTER LIST	CMP30	798	A	
1	COMPASS		SA7	B7		CMP30	799	A	
2	COMPASS		EQ	IFP	RETURN	CMP30	800	A	
3	COMPASS					CMP30	801	A	
4	COMPASS	RM	ELSE			CMP30	802	A	
5	COMPASS					CMP30	803	A	
6	COMPASS		SA1	0		CMP30	804	A	
7	COMPASS		ZR	X1,IFP1	IF *L=0*	CMP30	805	A	
8	COMPASS		OPENM	0,OUTPUT,N		CMP30	806		I
9		-CPS028							
10	COMPASS		SA1	E	CHECK OUTPUT FILE NAMES	CMP30	807	A	
11	COMPASS		SA2	0		CMP30	808	A	
12	COMPASS		BX7	X1-X2		CMP30	809	A	
13	COMPASS		NZ	X7,IFP	IF NOT SAME FILE	CMP30	810	A	
14	COMPASS		SA7	A1	SUPPRESS ERROR LISTING	CMP30	811	A	
15	COMPASS		EQ	IFP		CMP30	812	A	
16	COMPASS	IFP1	MX7	0		CMP30	813	A	
17	COMPASS		SA7	CP.LISTF	CLEAR LIST FLAG	CMP30	814	A	
18	COMPASS					CMP30	815		I
19		-CPSA134							
20	COMPASS	DM	IFC	LT, "MODEL" 75		CMP30	816		I
21		-F7540CP	-CPSA134						
22	COMPASS		ENV	(4,5,7,8),DM		F7540CP	71		I
23		-CPSA134							
24	COMPASS		SKIP			F7540CP	72		I
25		-CPSA134							
26	COMPASS	DM	ELSE			F7540CP	73		I
27		-CPSA134							
28	COMPASS		SX2	120B	MAKE OUTPUT BUFFER SMALL	CMP30	817		I
29		-CPSA134							
30	COMPASS		STORE	0,BFS=X2	AND INPUT BUFFER LARGE	CMP30	818		I
31		-CPSA134							
32	COMPASS		SX3	CP.ORG-0BUF-120B		CMP30	819		I
33		-CPSA134							
34	COMPASS		STORE	I,BFS=X3		CMP30	820		I
35		-CPSA134							
36	COMPASS		SX4	0BUF+120B		CMP30	821		I
37		-CPSA134							
38	COMPASS		STORE	I,FWB=X4		CMP30	822		I
39		-CPSA134							
40	COMPASS		SA1	E		CMP30	823		I
41		-CPSA134							
42	COMPASS		ZR	X1,IFP	IF *0=0* ALSO	CMP30	824		I
43		-CPSA134							
44	COMPASS		STORE	E,BFS=X2		CMP30	825		I
45		-CPSA134							
46	COMPASS		SX3	0BUF	GIVE REDUCED OUTPUT BUFFER	CMP30	826		I
47		-CPSA134							
48	COMPASS		STORE	E,FWB=X3	TO ERROR LISTING FILE	CMP30	827		I
49		-CPSA134							
50	COMPASS	DM	ENDIF			CMP30	828		I
51		-CPSA134							
52									
53		0	1	2	3	4	5	6	7
54		1234567890123456789012345678901234567890123456789012345678901234567890							

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS						CMP30	829	I
1	COMPASS	-CPSA134						
2	COMPASS		EQ	IFP	RETURN	CMP30	830	A
3	COMPASS					CMP30	831	A
4	COMPASS	RM	ENDIF			CMP30	832	A
5	COMPASS	LOV	SPACE	4		CMP30	833	A
6	COMPASS	**	LOV -	LOAD OVERLAY.		CMP30	834	A
7	COMPASS					CMP30	835	A
8	COMPASS					CMP30	836	A
9	COMPASS	LOV	IFNE	OVERLAY,0		CMP30	837	A
10	COMPASS					CMP30	838	A
11	COMPASS	LOV	PS		RETURN EXIT	CMP30	839	A
12	COMPASS					CMP30	840	A
13	COMPASS		IFC	GE, "MODEL" 75 ,1		CMP30	841	I
14	COMPASS	-F7540CP						
15	COMPASS	DM	IFEQ	CP#RM,0		CMP30	842	I
16	COMPASS	-F7540CP						
17	COMPASS		ENV	(2,3),DM		F7540CP	74	I
18	COMPASS	-CPSA134						
19	COMPASS		IF	-DEF,SCOPE2,3		CPSA134	67	A
20	COMPASS	LOV1	RECALL			CMP30	843	A
21	COMPASS		SA4	RA.LDR	WAIT UNTIL LOADER IS FINISHED	CMP30	844	A
22	COMPASS		ZR	X4,LOV1		CMP30	845	A
23	COMPASS	DM	ENDIF			CMP30	846	I
24	COMPASS	-CPSA134						
25	COMPASS					CMP30	847	A
26	COMPASS		SA4	LOVA+1		CMP30	848	A
27	COMPASS		LX4	59-36		CMP30	849	A
28	COMPASS		PL	X4,LOV	IF LOADED	CMP30	850	A
29	COMPASS		MESSAGE	LOVB,,R		CMP30	851	A
30	COMPASS		ABORT	,NODUMP		CMP30	852	A
31	COMPASS					CMP30	853	A
32	COMPASS	LIB	IFC	EQ, "LIBRARY"		CMP30	854	I
33	COMPASS	-CPS028						
34	COMPASS	LIB	IFC	EQ, "CP.OVLIB"	S028 224	CPS028	160	A
35	COMPASS	LOVA	DATA	0L"CP.NAME"	LOAD OVERLAY FROM GLOBAL LIBRARY SET	CMP30	855	A
36	COMPASS		VFD	12/0100B,12/0140B,18/MIN.FL,18/CP.ORG		CMP30	856	I
37	COMPASS	-F4810B						
38	COMPASS		VFD	12/0100B,12/0140B,18/ENDA+1,18/CP.ORG	F4810B	F4810B	25	A
39	COMPASS	LIB	ELSE			CMP30	857	A
40	COMPASS	LOVA	DATA	0L"LIBRARY"	LOAD OVERLAY FROM SPECIFIED LIBRARY	CMP30	858	I
41	COMPASS	-CPS028						
42	COMPASS	LOVA	DATA	0L"CP.OVLIB"	LOAD OVERLAY FROM SPECIFIED LIBRARY S028 226	CPS028	161	A
43	COMPASS		VFD	12/0100B,12/2140B,18/MIN.FL,18/CP.ORG		CMP30	859	I
44	COMPASS	-F4810B						
45	COMPASS		VFD	12/0100B,12/2140B,18/ENDA+1,18/CP.ORG	F4810B	F4810B	26	A
46	COMPASS				F4810B	F4810B	27	A
47	COMPASS	LIB	ENDIF			CPS064	10	A
48	COMPASS		DATA	0L"CP.NAME"		CMP30	860	A
49	COMPASS	LIB	ENDIF			CMP30	861	I
50	COMPASS	-CPS064						
51	COMPASS					CMP30	862	A
52								
53		0	1	2	3	4	5	6
54		1234567890123456789012345678901234567890123456789012345678901234567890						
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-CMP034      -CMP30

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-CMP30

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP30

1	COMPASS	NZ	B7,SES6	IF NOT END OF WORD	CMP034	40	I
2	-CMP30						
3	COMPASS	SB7	X7		CMP034	41	I
4	-CMP30						
5	COMPASS	SA1	A1+B1	READ NEXT WORD	CMP034	42	I
6	-CMP30						
7	COMPASS	SES6	LX2	X4,B6	CMP034	43	I
8	-CMP30						
9	COMPASS	PL	X2,SES5	IF NOT A DELIMITER	CMP034	44	I
10	-CMP30						
11	COMPASS	SA3	A3+B1		CMP034	45	I
12	-CMP30						
13	COMPASS	SB3	B3-B1		CMP034	46	I
14	-CMP30						
15	COMPASS	BX3	X0*X3	INSERT DELIMITER INTO ARGUMENT WORD	CMP034	47	I
16	-CMP30						
17	COMPASS	BX6	X3+X6		CMP034	48	I
18	-CMP30						
19	COMPASS	SA6	A3		CMP034	49	I
20	-CMP30						
21	COMPASS	GE	B3,B1,SES5	LOOP TO END OF ARGUMENTS	CMP034	50	I
22	-CMP30						
23	COMPASS	EQ	SES	RETURN	CMP034	51	I
24	-CMP30						
25	COMPASS				CMP034	52	I
26	-CMP30						
27	COMPASS	SESA	DATA	33577777740000000000B	CMP034	53	I
28	-CMP30						
29	COMPASS	SLF	SPACE	4	COMPASS	461	I
30	-CPSA142						
31	COMPASS	**	SLF	- SET LIST FLAGS.	COMPASS	462	I
32	-CPSA142						
33	COMPASS	*	EXIT	TO ENP ON ERROR.	COMPASS	463	I
34	-CMP30						
35	COMPASS	*	-CPSA142	EXIT TO ARG	CMP30	889	I
36	-CPSA142						
37	COMPASS				COMPASS	464	I
38	-CPSA142						
39	COMPASS				COMPASS	465	I
40	-CPSA142						
41	COMPASS	SLF	PS	RETURN EXIT	COMPASS	466	I
42	-CPSA142						
43	COMPASS	SA2	NEJF		CPS010	14	I
44	-F4810A	-CPSA142					
45	COMPASS	SA1	XLIST		COMPASS	467	I
46	-CMP30	-CPSA142					
47	COMPASS	SA1	SLFA		CMP30	890	I
48	-CPSA142						
49	COMPASS	SA3	ABTF		CP139CP	148	I
50	-CPSA142						
51	COMPASS	SA4	CP.ABORT		CP139CP	149	I

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- CPSA142

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPSA142

1	COMPASS	-CPSA142	SB6	B7-1R\$		CMP30	903	I	1
2		-CPSA142							2
3	COMPASS	-CPSA142	SA3	LISTOPS	CHECK LIST OPTION TABLE	COMPASS	478	I	3
4		-CPSA142							4
5	COMPASS	-CPSA142	SB5	LLISTOPS		COMPASS	479	I	5
6		-CPSA142							6
7	COMPASS	-CMP30	SX7	B1		COMPASS	480	I	7
8		-CPSA142							8
9	COMPASS	-CMP30	SB2	B1+B1		COMPASS	481	I	9
10		-CPSA142							10
11	COMPASS	-CMP30	ZR	B6,SLF4	IF \$	CMP30	904	I	11
12		-CPSA142							12
13	COMPASS	SLF2	UX6	B6,X3		COMPASS	482	I	13
14		-CPSA142							14
15	COMPASS	-CPSA142	SB5	B5-B2		COMPASS	483	I	15
16		-CPSA142							16
17	COMPASS	-CPSA142	EQ	B6,B7,SLF3	IF OPTION FOUND	COMPASS	484	I	17
18		-CPSA142							18
19	COMPASS	-CPSA142	SA3	A3+B2		COMPASS	485	I	19
20		-CPSA142							20
21	COMPASS	-CPSA142	NZ	B5,SLF2	LOOP	COMPASS	486	I	21
22		-CPSA142							22
23	COMPASS	-CMP30	SX2	3RABT	MESSAGE = *ERROR IN COMPASS ARGUMENTS.*	COMPASS	487	I	23
24		-CPSA142							24
25	COMPASS	-CMP30	SX7	TCCA		COMPASS	488	I	25
26		-CPSA142							26
27	COMPASS	-CMP30	EQ	ENP		COMPASS	489	I	27
28		-CPSA142							28
29	COMPASS	-CMP30	SX6	2RLO		CMP30	905	I	29
30		-CPSA142							30
31	COMPASS	-CPSA142	LX6	-12		CMP30	906	I	31
32		-CPSA142							32
33	COMPASS	-CPSA142	SA6	ARGM+3	*BAD CONTROL CARD ARGUMENT - LO*	CMP30	907	I	33
34		-CPSA142							34
35	COMPASS	-CPSA142	EQ	ARGE		CMP30	908	I	35
36		-CPSA142							36
37	COMPASS	SLF3	BX6	X3-X7	TOGGLE LIST FLAG	COMPASS	490	I	37
38		-CPSA142							38
39	COMPASS	-CPSA142	SA6	A3		COMPASS	491	I	39
40		-CPSA142							40
41	COMPASS	-CPSA142	EQ	SLF1	LOOP TO END OF FLAGS	COMPASS	492	I	41
42		-CPSA142							42
43	COMPASS	-CPSA142				CMP30	909	I	43
44		-CPSA142							44
45	COMPASS	SLF4	BX6	X3+X7	\$ FOUND, TURN ON ALL LIST FLAGS	CMP30	910	I	45
46		-CPSA142							46
47	COMPASS	-CPSA142	SA6	A3		CMP30	911	I	47
48		-CPSA142							48
49	COMPASS	-CPSA142	SB5	B5-B2		CMP30	912	I	49
50		-CPSA142							50
51	COMPASS	-CPSA142	SA3	A3+B2		CMP30	913	I	51

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPSA142

1	COMPASS	NZ	B5,SLF4	LOOP	CMP30	914	I	1
2	-CPSA142							2
3	COMPASS	EQ	SLF1		CMP30	915	I	3
4	-CPSA142							4
5	COMPASS				COMPASS	493	I	5
6	-F4810A	-CPSA142						6
7	COMPASS	SLFA	DATA 0	LIST FLAG TEMPORARY	COMPASS	494	I	7
8	-F4810A	-CPSA142						8
9	COMPASS	SNO	SPACE 4		COMPASS	495	I	9
10	-CMP30	-CPSA142						10
11	COMPASS	**	SNO - SET NORMAL OPTIONS.		COMPASS	496	I	11
12	-CMP30	-CPSA142						12
13	COMPASS				COMPASS	497	I	13
14	-CMP30	-CPSA142						14
15	COMPASS				COMPASS	498	I	15
16	-CMP30	-CPSA142						16
17	COMPASS	SNO	PS	RETURN EXIT	COMPASS	499	I	17
18	-CMP30	-CPSA142						18
19	COMPASS	MX0	42		COMPASS	500	I	19
20	-CMP30	-CPSA142						20
21	COMPASS	SX7	B0		COMPASS	501	I	21
22	-CMP30	-CPSA142						22
23	COMPASS	SA7	BATCH	CLEAR BATCH MODE	COMPASS	502	I	23
24	-CMP30	-CPSA142						24
25	COMPASS	SA7	PUNCH	CLEAR PUNCH MODE	COMPASS	503	I	25
26	-CMP30	-CPSA142						26
27	COMPASS	SA7	ERRFLG	CLEAR ERROR FLAG	COMPASS	504	I	27
28	-CMP30	-CPSA142						28
29	COMPASS	SA7	INBUF	CLEAR INPUT BUFFER	COMPASS	505	I	29
30	-CMP30	-CPSA142						30
31	COMPASS	SA7	INBUF+9		COMPASS	506	I	31
32	-CMP30	-CPSA142						32
33	COMPASS	SA1	SNOA-1		COMPASS	507	I	33
34	-CMP30	-CPSA142						34
35	COMPASS	SNO1	SA1 A1+B1	SET NORMAL OPTIONS	COMPASS	508	I	35
36	-CMP30	-CPSA142						36
37	COMPASS	BX6	X0*X1		COMPASS	509	I	37
38	-CMP30	-CPSA142						38
39	COMPASS	ZR	X1,SNO	IF END OF LIST	COMPASS	510	I	39
40	-CMP30	-CPSA142						40
41	COMPASS	SA6	X1		COMPASS	511	I	41
42	-CMP30	-CPSA142						42
43	COMPASS	EQ	SNO1	LOOP	COMPASS	512	I	43
44	-CMP30	-CPSA142						44
45	COMPASS				COMPASS	513	I	45
46	-CMP30	-CPSA142						46
47	COMPASS	SNOA	VFD 42/0LLGO,18/BINARY		COMPASS	514	I	47
48	-CMP30	-CPSA142						48
49	COMPASS	VFD	42/0LINPUT,18/INPUT		COMPASS	515	I	49
50	-CMP20	-CMP30	-CPSA142					50
51	COMPASS	VFD	42/0LOUTPUT,18/LISTFG		COMPASS	516	I	51

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

1	COMPASS	-CMP30	-CPSA142	VFD 42/0LSYSTEXT,18/SYSTEXT	COMPASS	517	I	1
2		-CMP30	-CPSA142					2
3	COMPASS		VFD 42/0LOUTPUT,18/E	COMPASS	518	I		3
4		-CMP30	-CPSA142					4
5	COMPASS		VFD 60/0	COMPASS	519	I		5
6		-CMP30	-CPSA142					6
7	COMPASS	TCC	SPACE 4	COMPASS	520	I		7
8		-CMP30	-CPSA142					8
9	COMPASS	**	TCC - TRANSLATE CONTROL CARD.	COMPASS	521	I		9
10		-CMP30	-CPSA142					10
11	COMPASS	*	EXIT TO ENP ON ERROR.	COMPASS	522	I		11
12		-CMP30	-CPSA142					12
13	COMPASS			COMPASS	523	I		13
14		-CMP30	-CPSA142					14
15	COMPASS			COMPASS	524	I		15
16		-CMP30	-CPSA142					16
17	COMPASS	TCC	PS RETURN EXIT	COMPASS	525	I		17
18		-CMP30	-CPSA142					18
19	COMPASS		SA1 ACTR	COMPASS	526	I		19
20		-CMP30	-CPSA142					20
21	COMPASS		SB7 X1	COMPASS	527	I		21
22		-CMP30	-CPSA142					22
23	COMPASS		SB6 B0	COMPASS	528	I		23
24		-CMP30	-CPSA142					24
25	COMPASS	TCC1	EQ B6,B7,TCC IF END OF ARGUMENTS	COMPASS	529	I		25
26		-CMP30	-CPSA142					26
27	COMPASS		SA1 2+B6 READ NEXT ARGUMENT	COMPASS	530	I		27
28		-CMP30	-CPSA142					28
29	COMPASS		SB2 LOPT	COMPASS	531	I		29
30		-CMP30	-CPSA142					30
31	COMPASS		MX5 12	COMPASS	532	I		31
32		-CMP30	-CPSA142					32
33	COMPASS	TCC2	SA2 OPT-1+B2 READ NEXT OPTION	COMPASS	533	I		33
34		-CMP30	-CPSA142					34
35	COMPASS		BX6 X2-X1	COMPASS	534	I		35
36		-CMP30	-CPSA142					36
37	COMPASS		BX7 X5*X6	COMPASS	535	I		37
38		-CMP30	-CPSA142					38
39	COMPASS		SB4 X2	COMPASS	536	I		39
40		-CMP30	-CPSA142					40
41	COMPASS		ZR X7,TCC4 IF MATCHING ARGUMENT AND OPTION	COMPASS	537	I		41
42		-CMP30	-CPSA142					42
43	COMPASS		SB2 B2-B1	COMPASS	538	I		43
44		-CMP30	-CPSA142					44
45	COMPASS		NZ B2,TCC2 LOOP	COMPASS	539	I		45
46		-CMP30	-CPSA142					46
47	COMPASS	TCC3	SX2 3RABT	COMPASS	540	I		47
48		-CMP30	-CPSA142					48
49	COMPASS		SX7 TCCA MESSAGE = *ERROR IN COMPASS ARGUMENTS.*	COMPASS	541	I		49
50		-CMP30	-CPSA142					50
51	COMPASS		EQ ENP	COMPASS	542	I		51
52								52
53		0	1	2	3	4	5	6
54		1234567890123456789012345678901234567890123456789012345678901234567890						
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS		SB7	7		CMP30	928	A		
1	COMPASS	SSP1	LX1	6	CONVERT OCTAL TO BINARY	CMP30	929	A	1	
2	COMPASS		BX3	-X0*X1		CMP30	930	A	2	
3	COMPASS		SB6	X3-1R0		CMP30	931	A	3	
4	COMPASS		MI	B6,SSP2	IF CHARACTER LESS THAN *0*	CMP30	932	A	5	
5	COMPASS		GT	B6,B7,SSP4	IF GREATER THAN *7*	CMP30	933	A	6	
6	COMPASS		LX7	3		CMP30	934	A	7	
7	COMPASS		SX2	B6		CMP30	935	A	8	
8	COMPASS		BX1	X1-X3		CMP30	936	A	9	
9	COMPASS		IX7	X7+X2		CMP30	937	A	10	
10	COMPASS		EQ	SSP1	LOOP	CMP30	938	A	11	
11	COMPASS	SSP2	NZ	X1,SSP4	IF NOT END OF ARGUMENT	CMP30	939	A	12	
12	COMPASS		SB6	20B		CMP30	940	A	13	
13	COMPASS		SB7	X7		CMP30	941	A	14	
14	COMPASS		EQ	B7,B6,SSP3	IF *W=20*	CMP30	942	A	15	
15	COMPASS		SB6	B6+B6		CMP30	943	A	16	
16	COMPASS		EQ	B7,B6,SSP3	IF *W=40*	CMP30	944	A	17	
17	COMPASS		SX7	100B	ASSUME *W=100*	CMP30	945	A	18	
18	COMPASS	SSP3	SX6	B1		CMP30	946	A	19	
19	COMPASS		SX1	ENDB+77B	FORM *SPY* PARAMETERS -	CMP30	947	A	20	
20	COMPASS		LX7	24		CMP30	948	A	21	
21	COMPASS		AX1	6	12/ BINWIDTH,	CMP30	949	A	22	
22	COMPASS		BX6	X7+X6	12/ 0,	CMP30	950	A	23	
23	COMPASS		LX6	12	12/ FIRST/100B,	CMP30	951	A	24	
24	COMPASS		BX7	X6+X1	12/ LIMIT/100B,	CMP30	952	A	25	
25	COMPASS		LX7	12	12/ 0	CMP30	953	A	26	
26	COMPASS		SA7	A1		CMP30	954	A	27	
27	COMPASS		SYSTEM	SPY,RCL,A7		CMP30	955	A	28	
28	COMPASS		EQ	SSP		CMP30	956	A	29	
29	COMPASS					CMP30	957	A	30	
30	COMPASS	SSP4	SX6	1RW	ERROR EXIT	CMP30	958	A	31	
31	COMPASS		LX6	-6		CMP30	959	A	32	
32	COMPASS		SA6	ARGM+3	*BAD CONTROL CARD ARGUMENT - W*	CMP30	960	A	33	
33	COMPASS		EQ	ARGE		CMP30	961	A	34	
34	COMPASS					CMP30	962	A	35	
35	COMPASS	SPY	ENDIF			CMP30	963	A	36	
36	COMPASS	TFL	SPACE	4		CMP30	964	A	37	
37	COMPASS	**	TFL	- TEST FIELD LENGTH AND START LOADING OVERLAY.			CMP30	965	A	38
38	COMPASS					CMP30	966	A	39	
39	COMPASS					CMP30	967	A	40	
40	COMPASS	TFL2	BSS	0		CMP30	968	A	41	
41	COMPASS					CMP30	969	A	42	
42	COMPASS		IFNE	OVERLAY,0,3			CMP30	970	I	43
43	COMPASS	-CPS064								44
44	COMPASS		MX7	0	CLEAR LOADER REPLY WORD	CMP30	971	I		45
45	COMPASS	-CPS064								46
46	COMPASS	OVL	IFNE	OVERLAY,0			CPS064	11	A	47
47	COMPASS		SA1	RA.LWP			CPS064	12	A	48
48	COMPASS		LX1	59-18			CPS064	13	A	49
49	COMPASS		MI	X1,TFL3	IF LOADED FROM A LIBRARY	CPS064	14	A		50
50	COMPASS		SA1	RA.PGN			CPS064	15	A	51
51	COMPASS		MX0	42			CPS064	16	A	52

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	VFD	12/0LI,18/OPTI,30/I												CMP30	1016	I	
1	COMPASS	-F4810A	VFD	12/0LL,18/OPTL,30/0												CMP30	1017	I
2	COMPASS	-F4810A	VFD	12/0LLO,18/OPTLO,30/-ARG15												CMP30	1018	I
3	COMPASS	-F4810A	VFD	12/0LML,18/OPTML,30/-ARG14												CMP30	1019	I
4	COMPASS	-F4810A	VFD	12/0LN,18/-OPTN,30/PSIZE												COMPASS	572	I
5	COMPASS	-F4810A	VFD	12/0LN,18/-OPTN,30/NEJF												CPS010	17	I
6	COMPASS	-F4810A	VFD	12/0LO,18/OPTO,30/E												COMPASS	573	I
7	COMPASS	-F4810A	VFD	12/0LP,18/-OPTP,30/PAGE												COMPASS	574	I
8	COMPASS	-F4810A	VFD	12/0LS,18/OPTS,30/SYSTEXT												COMPASS	575	I
9	COMPASS	-F4810A	VFD	12/0LX,18/OPTX,30/XNAME												COMPASS	576	I
10	COMPASS	-F4810A	VFD	12/0LO,18/OPTO,30/ELFN												CMP30	1020	I
11	COMPASS	-F4810A	VFD	12/0LP,18/-OPTP,30/CP.PAGE												CMP30	1021	I
12	COMPASS	-F4810A	VFD	12/0LPC,18/BLANKS,30/-ARG19												CMP30	1022	I
13	COMPASS	-F4810A	VFD	12/0LS,18/OPTS,30/-ARG10												CMP30	1023	I
14	COMPASS	-F4810A	IFNE	SPY,0,1												CMP30	1024	I
15	COMPASS	-F4810A	VFD	12/0LW,18/OPTW,30/SPYPAR												CMP30	1025	I
16	COMPASS	-F4810A	VFD	12/0LX,18/OPTX,30/CP.XNAME												CMP30	1026	I
17	COMPASS	-F4810A	EQU	*-OPT												COMPASS	577	I
18	COMPASS	-F4810A														COMPASS	578	I
19	COMPASS	-F4810A														COMPASS	579	I
20	COMPASS	-F4810A	DATA	1												CMP20	27	I
21	COMPASS	-F4810A	DATA	1S29												CP139CP	154	I
22	COMPASS	-F4810A	DATA	0LLG0												COMPASS	580	I
23	COMPASS	-F4810A	DATA	1BS59												COMPASS	581	I
24	COMPASS	-F4810A	DATA	0LCOMPASS												COMPASS	582	I
25	COMPASS	-F4810A	DATA	0LSYSTEXT												COMPASS	583	I
26	COMPASS	-F4810A																
27	COMPASS	-F4810A																
28	COMPASS	-F4810A																
29	COMPASS	-F4810A																
30	COMPASS	-F4810A																
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59	COMPASS	-F4810A																
60	COMPASS	-F4810A																

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	OPTI	DATA	0LCOMPILE	COMPASS	584	I		
COMPASS	-F4810A			COMPASS	585	I		
COMPASS	OPTL	DATA	0LOUTPUT	COMPASS	586	I		
COMPASS	-F4810A			COMPASS	587	I		
COMPASS	OPTM	DATA	0LCFGX	COMPASS	588	I		
COMPASS	-CMP30	-F4810A		COMPASS	589	I		
COMPASS	OPTLO	DATA	0LCFGX	COMPASS	590	I		
COMPASS	-F4810A			COMPASS	591	I		
COMPASS	OPTML	DATA	0L"JDATE"	COMPASS	592	I		
COMPASS	-F4810A			COMPASS	593	I		
COMPASS	OPTN	DATA	0	COMPASS	594	I		
COMPASS	-F4810A			COMPASS	595	I		
COMPASS	OPTO	DATA	0LOUTPUT	COMPASS	596	I		
COMPASS	-F4810A			COMPASS	597	I		
COMPASS	OPTP	DATA	0	COMPASS	598	I		
COMPASS	-F4810A			COMPASS	599	I		
COMPASS	OPTS	DATA	0LSYS	COMPASS	600	I		
COMPASS	-CMP8	-F4810A		COMPASS	601	I		
COMPASS	OPTS	DATA	0LSYSTEXT	COMPASS	602	I		
COMPASS	-F4810A			COMPASS	603	I		
COMPASS	OPTW	DATA	0L100	COMPASS	604	I		
COMPASS	-F4810A			COMPASS	605	I		
COMPASS	OPTX	DATA	0LOPL	COMPASS	606	I		
COMPASS	-F4810A			COMPASS	607	I		
COMPASS	-CMP30	-F4810A		COMPASS	608	I		
COMPASS	INPUT	DATA	0LINPUT	COMPASS	609	I		
COMPASS	-CMP30	-F4810A		COMPASS	610	I		
COMPASS	-F4810A			COMPASS	611	I		
COMPASS	-F4810A			COMPASS	612	I		
COMPASS	ABTF	DATA	0	COMPASS	613	I		
COMPASS	-F4810A			COMPASS	614	I		
COMPASS	ELFN	DATA	0LOUTPUT	COMPASS	615	I		
COMPASS	-F4810A			COMPASS	616	I		
COMPASS	FVAL	DATA	0	COMPASS	617	I		
COMPASS	-F4810A			COMPASS	618	I		
COMPASS	NEJF	CON	PAGESIZ+5	COMPASS	619	I		
COMPASS	-F4810A			COMPASS	620	I		
COMPASS	-F4810A	SPACE	4	COMPASS	621	I		
COMPASS	**	END OF	(0,0) OVERLAY.	COMPASS	622	I		
COMPASS				COMPASS	623	I		
COMPASS				COMPASS	624	I		
COMPASS	R	ERRMI	CP.ORG-* INITIALIZATION CODE IS TOO LARGE	COMPASS	625	I		
COMPASS		TITLE	MAIN PROGRAM.	COMPASS	626	I		
COMPASS		LIST	F	COMPASS	627	I		
COMPASS	-CMP20			COMPASS	628	I		
COMPASS		IFEQ	OVERLAY,0 SEGMENT CONTROL	COMPASS	629	I		
COMPASS		ORG	ORGOVER	COMPASS	630	I		
COMPASS	-CMP30			COMPASS	631	I		
0	1	2	3	4	5	6	7	8
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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

1	COMPASS	-CPS028	-CPSA134	SKIP 1		CMP30	1090	I	1
2		-CPS028	-CPSA134						2
3	COMPASS	,, BFS=BBUFL	ERL=1		S028 256	CPS028	184	I	3
4		-CPSA134							4
5	COMPASS	IFEQ	CP#RM, 7, 1		S028 257	CPS028	185	I	5
6		-CPSA134							6
7	COMPASS	X	FILE	FO=SQ, BT=, RT=W, MRL=5120, CM=NO, WSA=VALUES, PD=INPUT		CMP30	1091	A	7
8	COMPASS		BSSZ	XTF+40B-*		CMP30	1092	A	8
9	COMPASS	RM	ENDIF			CMP30	1093	A	9
10	COMPASS	ERROR	SPACE	4		CMP30	1094	I	10
11		-CPSA142							11
12	COMPASS	**	FET/FIT	FOR ERROR LISTING FILE.		CMP30	1095	I	12
13		-CPSA142							13
14	COMPASS					CMP30	1096	I	14
15		-CPSA142							15
16	COMPASS					COMPASS	613	I	16
17		-CPSA142							17
18	COMPASS	E	BSS	0 ERRORS		COMPASS	614	I	18
19		-CMP30	-CPSA142						19
20	COMPASS		FET	, EBUFL		COMPASS	615	I	20
21		-CMP30	-CPSA142						21
22	COMPASS	ERL	FET	OUTPUT, , EBUFL, 5		CMP30	1097	I	22
23		-CPSA142							23
24	COMPASS					CMP30	1098	I	24
25		-CPSA142							25
26	COMPASS	RM	IFEQ	CP#RM, 0		CMP30	1099	I	26
27		-CPSA142							27
28	COMPASS	E	EQU	ERL		CMP30	1100	I	28
29		-CPSA142							29
30	COMPASS	RM	ELSE			CMP30	1101	I	30
31		-CPSA142							31
32	COMPASS		IFC	LT, "MODEL" 75 , 2		CMP30	1102	I	32
33		-CPS028	-CPSA142						33
34	COMPASS		IFEQ	CP#RM, 6, 1	S028 259	CPS028	186	I	34
35		-CPSA142							35
36	COMPASS	E	FILE	LFN=OUTPUT, FO=SQ, BT=C, RT=Z, MRL=137, CM=YES, LT=UL, FET=ERL		CMP30	1103	I	36
37		-CPSA142							37
38	COMPASS	,, BFS=EBUFL				CMP30	1104	I	38
39		-CPS028	-CPSA142						39
40	COMPASS		SKIP	1		CMP30	1105	I	40
41		-CPS028	-CPSA142						41
42	COMPASS	,, BFS=EBUFL	ERL=1		S028 261	CPS028	187	I	42
43		-CPSA142							43
44	COMPASS		IFEQ	CP#RM, 7, 1	S028 262	CPS028	188	I	44
45		-CPSA142							45
46	COMPASS	E	FILE	LFN=OUTPUT, FO=SQ, BT=, RT=W, MRL=137, OF=N, CF=N, PD=OUTPUT		CMP30	1106	I	46
47		-CPSA142							47
48	COMPASS		BSSZ	ERL+40B-*		CMP30	1107	I	48
49		-CPSA142							49
50	COMPASS	RM	ENDIF			CMP30	1108	I	50
51		-CPSA142							51
52									52
53		0	1	2	3	4	5	6	53
54		1234567890123456789012345678901234567890123456789012345678901234567890							54
55									55
56									56
57									57
58									58
59									59
60									60

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

1	COMPASS	-CMP30	SNAPPER	FET	,DBUFL,5		CMP14	18		I	1
2		-CMP30									2
3	COMPASS	DBG	FET	SNAPPER,,	DBUFL,5		CMP30	1131	A		3
4	COMPASS						CMP30	1132	A		4
5	COMPASS	RM	IFEQ	CP#RM,0			CMP30	1133	A		5
6	COMPASS	D	EQU	DBG			CMP30	1134	A		6
7	COMPASS	RM	ELSE				CMP30	1135	A		7
8	COMPASS		IFC	LT,"MODEL" 75	,2		CMP30	1136		I	8
9		-CPS028									9
10	COMPASS		IFEQ	CP#RM,6,1		S028 269	CPS028	192		I	10
11		-CPSA134									11
12	COMPASS	D	FILE	LFN=SNAPPER,FO=SQ,BT=C,RT=Z,MRL=137,CM=YES,LT=UL,FET=DB			CMP30	1137		I	12
13		-CPSA134									13
14	COMPASS	,G,BFS=DBUFL					CMP30	1138		I	14
15		-CPS028	-CPSA134								15
16	COMPASS		SKIP	1			CMP30	1139		I	16
17		-CPS028	-CPSA134								17
18	COMPASS	,G,BFS=DBUFL,ERL=1				S028 271	CPS028	193		I	18
19		-CPSA134									19
20	COMPASS		IFEQ	CP#RM,7,1		S028 272	CPS028	194		I	20
21		-CPSA134									21
22	COMPASS	D	FILE	LFN=SNAPPER,FO=SQ,BT=,RT=W,MRL=137,OF=N,CF=N,PD=OUTPUT			CMP30	1140	A		22
23	COMPASS		BSSZ	DBG+40B-*			CMP30	1141	A		23
24	COMPASS	RM	ENDIF				CMP30	1142	A		24
25	COMPASS						CMP14	19	A		25
26	COMPASS	DEBUG	ENDIF				CMP14	20	A		26
27	COMPASS	TABLE	SPACE	4			COMPASS	625	A		27
28	COMPASS	**	ASSEMBLER CONTROL FLAGS.				COMPASS	626	A		28
29	COMPASS						COMPASS	627	A		29
30	COMPASS						COMPASS	628	A		30
31	COMPASS	LSYSMAC	DATA	0	LENGTH OF SYSTEMS MACROS		COMPASS	629	A		31
32	COMPASS	LOCORE	VFD	60/BUCKET	FWA AVAILABLE STORAGE		COMPASS	630	A		32
33	COMPASS	SIZCORE	DATA	0	SIZE OF AVAILABLE CORE		COMPASS	631	A		33
34	COMPASS	MAXCORE	DATA	0	MAXIMUM TABLE STORAGE USED		COMPASS	632		I	34
35		-CMP042									35
36	COMPASS	MAXCORE	CON	BUCKET	MAXIMUM SCM USED DURING CURRENT ASSEMBLY		CMP042	17		I	36
37		-CMP30									37
38	COMPASS	MAXSCM	CON	BUCKET	MAXIMUM SCM USED DURING ENTIRE BATCH		CMP042	18		I	38
39		-CMP30									39
40	COMPASS	FIELDL	DATA	0	CURRENT FIELD LENGTH		COMPASS	633		I	40
41		-CMP30									41
42	COMPASS	MAXCORE	CON	MIN.FL	MAXIMUM SCM USED DURING CURRENT ASSEMBLY		CMP30	1143	A		42
43	COMPASS	BLCM	DATA	0	BATCH MAXIMUM ECS/LCM USED	S028 274	CPS028	195	A		43
44	COMPASS	FLLF	DATA	1	FIXED ECS/LCM FIELD LENGTH FLAG	S028 275	CPS028	196	A		44
45	COMPASS	LCMMIC	DATA	0	LCM SYSMIC POINTER		CMP30	1144	A		45
46	COMPASS	LCMSYM	DATA	0	LCM SSYMS POINTER		CMP30	1145	A		46
47	COMPASS	LCMOPC	DATA	0	LCM OPTAB POINTER		CMP30	1146	A		47
48	COMPASS	LCMMAC	DATA	0	LCM MACDEF POINTER		CMP30	1147	A		48
49	COMPASS	LCMSYS	DATA	200B	LWA+1 OF SYSTEM MACROS IN LCM	S028 277	CPS028	197	A		49
50	COMPASS	LCMPGM	DATA	200B	LWA+1 OF PROGRAM MACROS IN LCM		CP096A	54	A		50
51	COMPASS	LCMEND	DATA	200B	LCM AVAILABLE SPACE POINTER		CMP30	1148	A		51

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS				12 FOR PPU (6XXX OR 7600)	CPSA281	16	A	
COMPASS				16 FOR BCU OR 180	CPSA281	17	A	
COMPASS				60 FOR CPU	CPSA281	18	A	
COMPASS	VWORD	DATA	0	VFD AND CON ASSEMBLY MODE -	CPSA288	10	A	
COMPASS				0 - NORMAL ASSEMBLY	CPSA288	11	A	
COMPASS				4 - FOR 180 PPU ASSEMBLIES ONLY, USE ONLY	CPSA288	12	A	
COMPASS				THE LOWER 12 BITS FOR *CON* AND *VFD*	CPSA288	13	A	
COMPASS	WWORD	DATA	0	USED BY *CON* AND *VFD*	CPSA288	14	A	
COMPASS	PPMEMSZ	DATA	12	MEMORY SIZE FOR PP ASSEMBLIES (FIELD SIZE)	CPSA281	19	A	
COMPASS	NCHARS	DATA	0	NUMBER OF CHARACTERS PER WORD (2 OR 10)	COMPASS	659	A	
COMPASS	ABSFG	DATA	0	ABSOLUTE ASSEMBLY FLAG	COMPASS	660	A	
COMPASS	SLIST	DATA	24B	LIST FLAG STACK (ONE WORD)	COMPASS	661		I
	-CMP19							
COMPASS	SLIST	DATA	10130B	LIST FLAG STACK (ONE WORD)	CMP19	3		I
	-CMP30							
COMPASS	PPJUMP	DATA	0	PP JUMP FLAG	COMPASS	662	A	
COMPASS	SQUAL	DATA	0	QUAL STACK (ONE WORD)	COMPASS	663		I
	-CMP30							
COMPASS	NOLFG	DATA	0	NO LABEL FLAG	COMPASS	664	A	
COMPASS	NBASE	DATA	10	RADIX FOR UNSPECIFIED CONSTANTS	COMPASS	665	A	
COMPASS	MBASE	DATA	10	RADIX FOR SPECIAL CONSTANTS	COMPASS	666	A	
COMPASS	ABASE	DATA	1RD	BASE CHARACTER	COMPASS	667		I
	-CMP30							
COMPASS	ABASE	DATA	0	BASE TYPE	CMP30	1154	A	
COMPASS	NFOUP	DATA	0	FORCE NEXT UPPER	COMPASS	668	A	
COMPASS	IFCDGP	DATA	0	FIRST CARD GROUP FLAG	COMPASS	669	A	
COMPASS	TITFG	DATA	0	TITLE FLAG	COMPASS	670	A	
COMPASS	CCOL	VFD	60/COMCOL	COMMENT COLUMN	COMPASS	671	A	
COMPASS	COL	BSS	2	COLUMN NUMBERS-1 OFOP, ADDR	COMPASS	672	A	
COMPASS	COLUMN	DATA	0	CURRENT COLUMN NUMBER	COMPASS	673	A	
COMPASS	CHAR	DATA	0	CURRENT CHARACTER	COMPASS	674	A	
COMPASS	INTERIO	DATA	0	INTERMEDIATE I/O FLAG	COMPASS	675	A	
COMPASS	ERCNT	DATA	0	ASSEMBLY ERROR COUNT	COMPASS	676	A	
COMPASS	WECNT	DATA	0	WARNING ERROR COUNT	COMPASS	677	A	
COMPASS	USECNT	DATA	2	NUMBER OF BLOCKS IN USE	COMPASS	678		I
	-RSM4159							
COMPASS	CT	DATA	0	CHARACTER TYPE	COMPASS	679		I
	-CMP30							
COMPASS	UI	DATA	0,0	USETAB INDEX	COMPASS	680		I
	-CMP30							
COMPASS	CT	DATA	0,0	CHARACTER TYPE	CMP30	1155	A	
COMPASS	UI	DATA	0,0,0	USETAB INDEX	CMP30	1156	A	
COMPASS	LI	DATA	0,0	LITAB INDEX	COMPASS	681	A	
COMPASS	EI	DATA	0,0	EPTAB INDEX	COMPASS	682	A	
COMPASS	DI	DATA	0,0	DEFAULT SYMBOL INDEX	CMP17	1	A	
COMPASS	SI	DATA	0	SEGTAB INDEX	COMPASS	683	A	
COMPASS	LCM	DATA	0	LCM LENGTH	COMPASS	684	A	
COMPASS	LLB	DATA	0	LOCAL LCM BLOCK RELOCATION (BITS 32-24)	CMP30	1157	A	
COMPASS	NBLOCKS	DATA	0	COUNT OF COMMON BLOCKS	COMPASS	685	A	
COMPASS	STCNT	DATA	0	STATEMENT COUNT	COMPASS	686	A	
COMPASS	SYMCNT	DATA	0	SYMBOL COUNT	COMPASS	687	A	
COMPASS	ALCM	DATA	0	MAX ECS/LCM USED DURING CURRENT ASSEMBLY S028 279	CPS028	198	A	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	ATIME	DATA	0	ASSEMBLY TIME	COMPASS	688	A
COMPASS	REQC	DATA	0	R= SWITCH	COMPASS	689	A
COMPASS	SSTCNT	DATA	0	NUMBER OF SYSTEM SYMBOLS DEFINED	CMP25	2	A
COMPASS	XR	DATA	0	REFERENCE TYPE (0-PAGE/LINE, 1-ADDRESS)	COMPASS	690	I
-CPS010							
COMPASS	XR	CON	XRDV	XREF TYPE (-1=PAGE/LINE, 0=ADDRESS, 1=BOTH)	CPS010	19	A
COMPASS	CRLF	DATA	0	RECURSION LIMIT EXCEEDED FLAG S004 7	CPS004	1	A
COMPASS	IFDF	DATA	0	IF DEF/EXT/REG FLAG - TO AVOID U-ERRORS	CMP146	1	A
COMPASS	LCLP1	EQU	*-CLP1		COMPASS	691	A
COMPASS					COMPASS	692	A
COMPASS					COMPASS	693	A
COMPASS	TITBUF	DATA	1H1	TEXT OF TITLE	COMPASS	694	A
COMPASS	TITBUFL	EQU	6		COMPASS	695	A
COMPASS		BSS	TITBUFL		COMPASS	696	A
COMPASS		DIS	2,COMPASS	"VERSION"	COMPASS	697	I
-CMP30							
COMPASS		DIS	2,COMPASS	"VERSION"	CMP30	1158	I
-CPS028							
COMPASS		DIS	2,COMPASS	"VERSION". S028 281	CPS028	199	A
COMPASS	DATE	BSS	1		COMPASS	698	A
COMPASS	TIME	BSS	1		COMPASS	699	A
COMPASS		DATA	4APAGE		COMPASS	700	A
COMPASS	PAGENO	BSS	1		COMPASS	701	A
COMPASS	PGCNT	DATA	0	PAGE COUNT IN CODED FORM	COMPASS	702	A
COMPASS	EPCNT	DATA	0	ERROR FILE PAGE COUNT	CPSA142	42	A
COMPASS	BLANKS	LIT	1H		CMP30	1159	A
COMPASS	ASMJ	DATA	20H	ASSEMBLY ABORTED -	CMP30	1160	A
COMPASS	ASMK	DATA	12CPASS	1 TABLE	CMP30	1161	A
COMPASS	ASML	DATA	10H	OVERFLOW	CMP30	1162	A
COMPASS	ASMM	DATA	20CASSEMBLING	XXXXXXX	CMP30	1163	A
COMPASS	PRFX	BSS	0		CMP30	1164	A
COMPASS	DPBA	DATA	77000016BS36	PRELIMINARY BINARY BUFFER	COMPASS	703	A
COMPASS		BSSZ	16B		COMPASS	704	I
-CMP30							
COMPASS		DATA	0L*****		CMP30	1165	A
COMPASS		DIS	1,"DATE"		CMP30	1166	A
COMPASS		DIS	1,"TIME"		CMP30	1167	A
COMPASS		VFD	36/0H"OSNAME",24/0H"OSVER"		CMP30	1168	I
-CPS028							
COMPASS		DIS	1,"OS.NAME""OS.VER"	S028 283	CPS028	200	I
-S3143CP							
COMPASS		DIS	1,"OS.ID"		S3143CP	6	A
COMPASS		DIS	2,COMPASS	"VERSION"	CMP30	1169	I
-CPS161							
COMPASS		DIS	2,COMPASS	"PVERSION"	CPS161	6	A
COMPASS		DIS	1,		CMP30	1170	A
COMPASS	PRFXC	BSSZ	7	USER COMMENTS	CMP30	1171	A
COMPASS	LPRFX	EQU	*-DPBA		CMP30	1172	A
COMPASS	OVLHDR	DATA	5000BS48	OVERLAY HEADER WORD	CMP30	1173	A
COMPASS	ASC6T8	EQU	40B	FACTOR TO CONVERT 6-BIT TO 8-BIT ASCII	CPSA281	20	A
COMPASS	PCC	DATA	0	PRFX TABLE CHARACTER COUNT	CMP30	1174	A
COMPASS	TARGET	DATA	2R	TARGET OBJECT PROCESSOR	CMP30	1175	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	VALID	DATA	0	VALID OBJECT PROCESSOR	CMP30	1176	A
COMPASS	HTYPE	DATA	9R	HARDWARE DEPENDENCIES	CMP30	1177	A
COMPASS	EXVAL	DATA	0	EXPRESSION VALUE *KINDLY	COMPASS	705	A
COMPASS	EXREL	DATA	0	EXPRESSION RELOCATION *MAINTAIN	COMPASS	706	A
COMPASS	EXEXT	DATA	0	EXPRESSION EXTERNAL VALUE *THIS	COMPASS	707	A
COMPASS	EXREG	DATA	0	EXPRESSION REGISTER *ORDER	COMPASS	708	A
COMPASS	PASS	DATA	0	PASS NUMBER (1 OR 2)	COMPASS	709	A
COMPASS	LASTCOL	DATA	0	LAST COLUMN+1 OF STATEMENT	COMPASS	710	A
COMPASS	PPBYT	DATA	4	BYTES PER PP WORD, 4 OR 6	CPSA281	21	A
COMPASS	SQLGN	DATA	0	LENGTH + FLAG OF SQUEEZED IMAGE	COMPASS	711	A
COMPASS	BADLOC	DATA	0	BAD LOCATION FIELD FLAG	COMPASS	712	A
COMPASS	LPGM	DATA	0	PROGRAM LENGTH AS COMPUTED AT END TIME	COMPASS	713	A
COMPASS	ENDP	DATA	0	VALUE OF END CARD SYMBOL	COMPASS	714	A
COMPASS	EDITFG	DATA	0	STATEMENT REQUIRES EDITING (IF NEG)	COMPASS	715	A
COMPASS	PSIM	CON	36074176004B	PERIPHERAL STORE INSTRUCTION MASK	CPS026	1	A
COMPASS	PSIM2	CON	0	PERIPHERAL STORE MASK FOR + ERROR CHECK	CPSA297	13	A
COMPASS		CON	36000176004B		CPSA297	14	A
COMPASS		IFNE	CP#RM,0,3		CMP30	1178	A
COMPASS	T6RM1	DATA	0	6RM TEMPORARY 1	CMP30	1179	A
COMPASS	T6RM2	DATA	0	6RM TEMPORARY 2	CMP30	1180	A
COMPASS	EOD	EQU	#EOI#+#EOP#+#EOS#	END OF DATA MASK	CMP30	1181	A
COMPASS	OPADS	BSS	7	OPERATION CODE DECOMPOSITION TEMPS	COMPASS	716	A
COMPASS	K.TLDS	DATA	0	LDSET CONTROL WORD POINTER	CPS2608	9	A
COMPASS	ERROR	SPACE	4		COMPASS	717	A
COMPASS	**	ERROR	-	CREATE ERROR FLAGS.	COMPASS	718	A
COMPASS	*LET	ERROR	MSG		COMPASS	719	A
COMPASS	*	ENTRY	(LET) =	ERROR LETTER.	COMPASS	720	A
COMPASS	*		(MSG) =	ERROR MESSAGE.	COMPASS	721	A
COMPASS					COMPASS	722	A
COMPASS					S028 285 CPS028	201	A
COMPASS					S028 286 CPS028	202	A
COMPASS					COMPASS	723	A
COMPASS		MACRO	ERROR,A,B		COMPASS	724	A
COMPASS		IFC	LT,*A*0*		COMPASS	725	A
COMPASS	;AERR	CON	0		COMPASS	726	A
COMPASS		ELSE	1		COMPASS	727	I
COMPASS	-CPSA297						
COMPASS		ELSE	4		CPSA297	15	A
COMPASS		IFC	LT,*A**+,2		CPSA297	16	A
COMPASS	W;AERR	CON	0		COMPASS	728	A
COMPASS		SKIP	1		CPSA297	17	A
COMPASS		CON	0		CPSA297	18	A
COMPASS	ERRLETS	RMT			COMPASS	729	A
COMPASS		CON	1R;A		COMPASS	730	A
COMPASS		RMT			COMPASS	731	A
COMPASS	ERDIR	RMT			COMPASS	732	A
COMPASS		DIS	5,;B		COMPASS	733	A
COMPASS		RMT			COMPASS	734	A
COMPASS		ENDM			COMPASS	735	A
COMPASS	FLAGS	SPACE	4		COMPASS	736	A
COMPASS	**			STATEMENT FLAGS SAVED ON INTERMEDIATE.	COMPASS	737	A
COMPASS					COMPASS	738	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS					COMPASS	739	A		
1	COMPASS	OP	DATA	0	OP CODE TABLE ENTRY	COMPASS	740	A		
2	COMPASS	FLAG	DATA	0	A GENERAL 60-BIT NUMBER	COMPASS	741	A		
3	COMPASS	IND	DATA	0	INDICATOR WORD FOR INTERMEDIATE FILE	COMPASS	742	A		
4	COMPASS	CCT	DATA	0	CARD COUNT FOR THIS STATEMENT	COMPASS	743	A		
5	COMPASS	NOAS	DATA	0	NO-ASSEMBLY FLAG	COMPASS	744	A		
6	COMPASS	TXTFLG	DATA	0	TEXT DEFINITION FLAG	COMPASS	745	A		
7	COMPASS	MICFLG	DATA	0	MICRO/CONCATENATION SUBSTITUTION FLAG	COMPASS	746	A		
8	COMPASS	MACHFLG	DATA	0	0 ERROR INDICATED *MACHINE* VIOLATION	CPSA140	6	A		
9	COMPASS					COMPASS	747	A		
10	COMPASS	*			MODE INDICATORS.	COMPASS	748	A		
11	COMPASS					COMPASS	749	A		
12	COMPASS	SYSFLG	DATA	0	SYSTEMS MACRO FLAG	COMPASS	750	A		
13	COMPASS	MACFLG	DATA	0	PROGRAMMER MACRO FLAG	COMPASS	751	A		
14	COMPASS	ECHFLG	DATA	0	DUPLICATION FLAG	COMPASS	752	A		
15	COMPASS	RMTFLG	DATA	0	REMOTE GENERATED FLAG	COMPASS	753	A		
16	COMPASS	LIBFLG	DATA	0	LIBRARY SOURCE FLAG	COMPASS	754	A		
17	COMPASS	LFLG	EQU	*-SYSFLG		COMPASS	755	A		
18	COMPASS					COMPASS	756	A		
19	COMPASS	*			ERROR FLAGS.	COMPASS	757	A		
20	COMPASS					COMPASS	758	A		
21	COMPASS	ERFLAGS	BSS	0		COMPASS	759	A		
22	COMPASS	L	ERROR	(LOCATION FIELD BAD.)		COMPASS	760	A		
23	COMPASS	O	ERROR	(OPERATION FIELD BAD.)		COMPASS	761	A		
24	COMPASS	A	ERROR	(ADDRESS FIELD BAD.)		COMPASS	762	A		
25	COMPASS	D	ERROR	(DOUBLY DEFINED SYMBOL. THE FIRST DEFINITION HOLDS.)		COMPASS	763	A		
26	COMPASS	E	ERROR	(ECHO, DUP, RMT, OR MACRO ILLEGALLY NESTED.)		COMPASS	764	A		
27	COMPASS	R	ERROR	(DATA ORIGIN OUTSIDE BLOCK OR IN BLANK COMMON.)		COMPASS	765	A		
28	COMPASS	F	ERROR	(NUMBER OF ENTRIES EXCEEDS PERMISSIBLE AMOUNT.)		COMPASS	766	A		
29	COMPASS	U	ERROR	(UNDEFINED SYMBOL. VALUE ASSUMED 0.)		COMPASS	767	A		
30	COMPASS	V	ERROR	(BIT COUNT ERROR ON VFD (MUST BE 0@COUNT@60).)		COMPASS	768	A		
31	COMPASS	P	ERROR	(CONSULT LISTINGS FOR REASON BEHIND P-ERROR.)		COMPASS	769	A		
32	COMPASS	N	ERROR	(NEGATIVE RELOCATION ON ENTRY POINT.)		COMPASS	770	A		
33	COMPASS	NFERS	EQU	*-ERFLAGS	COUNT OF FATAL ERROR FLAGS	COMPASS	771	A		
34	COMPASS					COMPASS	772	A		
35	COMPASS	*			NON-FATAL ERROR FLAGS.	COMPASS	773	A		
36	COMPASS					COMPASS	774	A		
37	COMPASS	1	ERROR	(LOCATION SYMBOL BAD. SYMBOL NOT DEFINED.)		COMPASS	775	A		
38	COMPASS	2	ERROR	(ADDRESS ERROR ON SYMBOL DEFINITION.)		COMPASS	776	A		
39	COMPASS	3	ERROR	(DUPLICATE MACRO DEFINITION. NEW ONE OVERRIDES.)		COMPASS	777	A		
40	COMPASS	4	ERROR	(BAD FORMAL PARAMETER NAME IGNORED.)		COMPASS	778	A		
41	COMPASS	5	ERROR	(CPU OPERATION SYNTAX INCORRECTLY SPECIFIED.)		COMPASS	779	A		
42	COMPASS	6	ERROR	(LOCATION FIELD MEANINGLESS.)		COMPASS	780	A		
43	COMPASS	7	ERROR	(ADDRESS VALUE EXCEEDS FIELD SIZE, RESULT TRUNCATED.)		COMPASS	781	A		
44	COMPASS	8	ERROR	(MISSING OR EXTRA ADDRESS SUBFIELD.)		COMPASS	782	A		
45	COMPASS	9	ERROR	(MICRO SUBSTITUTION ERROR. NO SUBSTITUTION.)		COMPASS	783	A		
46	COMPASS	WD45ERR	BSS	0		CPSA297	19	A		
47	COMPASS	+	ERROR	(STORE AT NEXT INSTR+1 FOR PIPELINED SYSTEM.)		CPSA297	20	A		
48	COMPASS	LEFLG	EQU	*-ERFLAGS	COUNT OF FATAL AND NON-FATAL FLAGS	COMPASS	784	A		
49	COMPASS					COMPASS	785	A		
50	COMPASS	*			TOTAL ERROR FLAG.	COMPASS	786	A		
51	COMPASS					COMPASS	787	A		
52										
53		0	1	2	3	4	5	6	7	8
54		1234567890123456789012345678901234567890123456789012345678901234567890								

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	EFLG	DATA	0	TOTAL ERROR FLAG	COMPASS	788	A		
1	COMPASS	LERFLAGS	EQU	*-ERFLAGS	TOTAL COUNT OF ERROR FLAGS	COMPASS	789	A		
2	COMPASS	LISTOPS	SPACE	4		COMPASS	790	A		
3	COMPASS	*	LIST CONTROL FLAGS.			COMPASS	791	A		
4	COMPASS						COMPASS	792	A	
5	COMPASS						COMPASS	793	A	
6	COMPASS		MACRO	LISTOP,LET,VALUE		COMPASS	794	A		
7	COMPASS	LET	VFD	12/2R_LET+2000B-1LL,48/VALUE		COMPASS	795	A		
8	COMPASS		VFD	60/VALUE		COMPASS	796	A		
9	COMPASS	LIST.	SET	LIST.*2		CMP30	1182	A		
10	COMPASS		IFNE	VALUE,,1		CMP30	1183	A		
11	COMPASS	LIST.	SET	LIST.+1		CMP30	1184	A		
12	COMPASS		ENDM			COMPASS	797	A		
13	COMPASS						COMPASS	798	A	
14	COMPASS						COMPASS	799	A	
15	COMPASS	LIST.	SET	0		CMP30	1185	A		
16	COMPASS	LISTOPS	BSS	0		COMPASS	800	A		
17	COMPASS	LA	LISTOP	0		COMPASS	801	A		
18	COMPASS	LB	LISTOP	1		COMPASS	802	A		
19	COMPASS	LC	LISTOP	0		COMPASS	803	A		
20	COMPASS	LD	LISTOP	0		COMPASS	804	A		
21	COMPASS	LE	LISTOP	0		COMPASS	805	A		
22	COMPASS	LF	LISTOP	0		COMPASS	806	A		
23	COMPASS	LG	LISTOP	0		COMPASS	807	A		
24	COMPASS	LL	LISTOP	1		COMPASS	808	A		
25	COMPASS	LM	LISTOP	0		COMPASS	809	A		
26	COMPASS	LN	LISTOP	1		CMP19	4	A		
27	COMPASS	LR	LISTOP	1		COMPASS	810	A		
28	COMPASS	LS	LISTOP	0		COMPASS	811	A		
29	COMPASS	LT	LISTOP	0		CMP19	5	A		
30	COMPASS	LX	LISTOP	0		COMPASS	812	A		
31	COMPASS	LLISTOPS	EQU	*-LISTOPS		COMPASS	813	A		
32	COMPASS	NLISTOPS	EQU	LLISTOPS/2		CMP30	1186	A		
33	COMPASS	TABLES	TITLE	TABLE ALLOCATION.		COMPASS	814	A		
34	COMPASS	**	MANAGED TABLES ARE USED TO CONTAIN ALL VARIABLE COMPASS DATA.					COMPASS	815	A
35	COMPASS	*	THE TABLES ARE CONTROLLED BY 2 POINTERS, O.TNAM AND L.TNAM.					COMPASS	816	A
36	COMPASS	*	(O.TNAM) = ORIGIN OF TABLE *TNAM*.					COMPASS	817	A
37	COMPASS	*	(L.TNAM) = LENGTH OF TABLE *TNAM*.					COMPASS	818	A
38	COMPASS	*	THE TABLES ARE MANAGED BY ROUTINE *ALC*.					COMPASS	819	A
39	COMPASS						COMPASS	820	A	
40	COMPASS						COMPASS	821	A	
41	COMPASS	ORIGINS	BSS	0		COMPASS	822	A		
42	COMPASS	INTER	SPACE	4		COMPASS	823	A		
43	COMPASS	**	INTER - INTERMEDIATE FILE.					COMPASS	824	A
44	COMPASS	*	INTER IS USED TO CONTAIN THE INTERMEDIATE FILE IF IT					COMPASS	825	A
45	COMPASS	*	WILL FIT IN CORE.					COMPASS	826	A
46	COMPASS	*						COMPASS	827	A
47	COMPASS	*	ENTRY = 3 WORDS, SEQUENCE NUMBERS, AND COMPRESSED TEXT.					COMPASS	828	A
48	COMPASS	*						COMPASS	829	A
49	COMPASS	*	WORD 1.					COMPASS	830	A
50	COMPASS	*						COMPASS	831	A
51	COMPASS	*	BITS	59-48		A COPY OF BITS 59-48 OF OPTYPE. THIS		COMPASS	832	A
52										
53	0		1		2		3		4	
54	1234567890123456789012345678901234567890123456789012345678901234567890									

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	*			IS THE SAME AS THE OPERATION CODE TABLE	COMPASS	833	A
COMPASS	*			ENTRY.	COMPASS	834	A
COMPASS	*	BITS	47-46	UNUSED AND ZERO.	COMPASS	835	I
-CMP24							
COMPASS	*	BIT	45	SEQ FLAG. IF THIS IS 1, THEN THE	COMPASS	836	I
-CMP24							
COMPASS	*			SEQUENCE FIELDS OF THIS STATEMENT	COMPASS	837	I
-CMP24							
COMPASS	*			ARE NOT BLANK, THEY ARE RECORDED ON	COMPASS	838	I
-CMP24							
COMPASS	*			THE INTERMEDIATE FILE.	COMPASS	839	I
-CMP24							
COMPASS	*	BIT	47	UNUSED AND ZERO.	CMP24	7	A
COMPASS	*	BITS	46-45	SEQ FLAG. IF THIS IS 00, THEN THE SEQUENCE	CMP24	8	A
COMPASS	*			FIELDS OF THIS STATEMENT ARE BLANK AND ARE	CMP24	9	A
COMPASS	*			NOT RECORDED ON THE INTERMEDIATE FILE.	CMP24	10	A
COMPASS	*			IF THIS IS 01, THE SEQUENCE FIELDS ARE IN	CMP24	11	A
COMPASS	*			MODIFY FORMAT, ONE WORD PER CARD IMAGE.	CMP24	12	A
COMPASS	*			IF THIS IS 10, THE SEQUENCE FIELD IS TWO	CMP24	13	A
COMPASS	*			WORDS AND IS THE SAME FOR ALL CARDS IN THE	CMP24	14	A
COMPASS	*			STATEMENT (E.G. MACRO GENERATED), SO THE	CMP24	15	A
COMPASS	*			TWO-WORD SEQUENCE FIELD IS RECORDED ONLY	CMP24	16	A
COMPASS	*			ONCE ON THE INTERMEDIATE FILE.	CMP24	17	A
COMPASS	*			IF THIS IS 11, THE INTERMEDIATE FILE	CMP24	18	A
COMPASS	*			CONTAINS A TWO-WORD SEQUENCE FIELD FOR	CMP24	19	A
COMPASS	*			EACH CARD IN THE STATEMENT.	CMP24	20	A
COMPASS	*	BIT	44	FLAG FLAG. IF THIS IS 0, THEN THE FLAG	COMPASS	840	A
COMPASS	*			WORD IS ZERO, AND IS NOT INCLUDED ON	COMPASS	841	A
COMPASS	*			THE INTERMEDIATE FILE. THE FLAG	COMPASS	842	A
COMPASS	*			WORD IS NON-ZERO ONLY FOR SOME PSEUDO	COMPASS	843	A
COMPASS	*			INSTRUCTIONS.	COMPASS	844	A
COMPASS	*	BIT	43	IND FLAG. IF THIS IS 0, THEN THE IND	COMPASS	845	A
COMPASS	*			WORD IS ZERO, AND IS NOT INCLUDED ON	COMPASS	846	A
COMPASS	*			THE INTERMEDIATE FILE. THE IND WORD	COMPASS	847	A
COMPASS	*			CONTAINS ERROR FLAGS AND OTHER INDICATORS.	COMPASS	848	A
COMPASS	*	BIT	42	UNUSED.	COMPASS	849	A
COMPASS	*	BITS	41-34	LENGTH OF INTERMEDIATE RECORD.	COMPASS	850	A
COMPASS	*	BITS	33-30	CCT - CARD COUNT, I.E., NUMBER OF CARDS	COMPASS	851	A
COMPASS	*			WHICH COMPRISE THIS STATEMENT.	COMPASS	852	A
COMPASS	*	BITS	29-00	COPY OF BITS 29-00 OF OPTYPE.	COMPASS	853	A
COMPASS	*				COMPASS	854	A
COMPASS	*				COMPASS	855	A
COMPASS	*			WORD 2 - PRESENT EXPLICITLY IF THE IND BIT IS 1 IN WORD 1.	COMPASS	856	A
COMPASS	*			IF IT IS 0, THEN WORD 2 CAN BE ASSUMED TO HAVE A VALUE ZERO.	COMPASS	857	A
COMPASS	*				COMPASS	858	A
COMPASS	*	BITS	59-30	THESE CONTAIN A RECORD OF THE INDICATORS	COMPASS	859	A
COMPASS	*			WHICH WERE SET. A 1-BIT INDICATES	COMPASS	860	A
COMPASS	*			THAT THE CORRESPONDING INDICATOR WAS ON.	COMPASS	861	A
COMPASS	*	BITS	29-00	THESE CONTAIN A RECORD OF THE ERROR FLAGS	COMPASS	862	A
COMPASS	*			WHICH WERE SET. A 1-BIT INDICATES THAT	COMPASS	863	A
COMPASS	*			AN ERROR FLAG WAS ON. THE EXACT ORDER	COMPASS	864	A
COMPASS	*			OF THESE ERROR BITS DEPENDS UPON THE	COMPASS	865	A

0 1 2 3 4 5 6 7 8  
123456789012345678901234567890123456789012345678901234567890

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	*	ORDER IN WHICH THE ERROR ARE LISTED				COMPASS	866	A
1	COMPASS	*	IN THE ERROR LIST.				COMPASS	867	A
2	COMPASS	*					COMPASS	868	A
3	COMPASS	*					COMPASS	869	A
4	COMPASS	*	WORD 3 - PRESENT EXPLICITLY IF FLAG = 1 IN WORD 1. IF				COMPASS	870	A
5	COMPASS	*	IT IS 0, THEN WORD 3 CAN BE ASSUMED TO BE ZERO.				COMPASS	871	A
6	COMPASS	*					COMPASS	872	A
7	COMPASS	*	BITS 59-00 CONTENTS OF FLAG.				COMPASS	873	A
8	COMPASS	*					COMPASS	874	A
9	COMPASS	*					COMPASS	875	A
10	COMPASS	*	WORD 4-N - SEQUENCE NUMBER FIELD IF SEQ IN WORD 1 IS 1.				COMPASS	876	I
11		-CMP24							
12	COMPASS	*	THIS IS A 2*CCT WORD ENTRY IF NOT IN *A* MODE. THIS IS				COMPASS	877	I
13		-CMP24							
14	COMPASS	*	A ONE WORD ENTRY IF IN *A* MODE.				COMPASS	878	I
15		-CMP24							
16	COMPASS	*					COMPASS	879	I
17		-CMP24							
18	COMPASS	*					COMPASS	880	I
19		-CMP24							
20	COMPASS	*	WORD 4 - IF NOT *A* MODE.				COMPASS	881	I
21		-CMP24							
22	COMPASS	*					COMPASS	882	I
23		-CMP24							
24	COMPASS	*	BITS 59-48 ZERO.				COMPASS	883	I
25		-CMP24							
26	COMPASS	*	BITS 47-00 COL. 73-80 FROM INPUT CARD IMAGE.				COMPASS	884	I
27		-CMP24							
28	COMPASS	*					COMPASS	885	I
29		-CMP24							
30	COMPASS	*					COMPASS	886	I
31		-CMP24							
32	COMPASS	*	WORD 5 - IF NOT *A* MODE.				COMPASS	887	I
33		-CMP24							
34	COMPASS	*					COMPASS	888	I
35		-CMP24							
36	COMPASS	*	BITS 59-00 COL. 81-90 FROM INPUT CARD IMAGE.				COMPASS	889	I
37		-CMP24							
38	COMPASS	*					COMPASS	890	I
39		-CMP24							
40	COMPASS	*					COMPASS	891	I
41		-CMP24							
42	COMPASS	*	WORD 4 - IF *A* MODE.				COMPASS	892	I
43		-CMP24							
44	COMPASS	*	WORDS 4-N - SEQUENCE NUMBER FIELD IF SEQ IN WORD 1 IS NOT 00.				CMP24	21	A
45	COMPASS	*	THE LENGTH OF THIS ENTRY DEPENDS ON THE VALUE OF SEQ AS				CMP24	22	A
46	COMPASS	*	FOLLOWS.				CMP24	23	A
47	COMPASS	*	SEQ = 00 0 WORDS.				CMP24	24	A
48	COMPASS	*	SEQ = 01 (CCT) WORDS.				CMP24	25	A
49	COMPASS	*	SEQ = 10 2 WORDS.				CMP24	26	A
50	COMPASS	*	SEQ = 11 2*(CCT) WORDS.				CMP24	27	A
51	COMPASS	*					CMP24	28	A
52									
53	0 1 2 3 4 5 6 7 8								
54	1234567890123456789012345678901234567890123456789012345678901234567890								



## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	*	WORD 4 - IF SEQ = 01 (MODIFY *A* MODE).	CMP24	29	A
COMPASS	*		COMPASS	893	A
COMPASS	*	BITS 59-18 IDENTIFIER NAME LEFT JUSTIFIED WITH	COMPASS	894	A
COMPASS	*	ZERO FILL.	COMPASS	895	A
COMPASS	*	BITS 17-00 SEQUENCE NUMBER IN BINARY.	COMPASS	896	A
COMPASS	*		CMP24	30	A
COMPASS	*	WORD 4 - IF SEQ = 10 OR 11.	CMP24	31	A
COMPASS	*		CMP24	32	A
COMPASS	*	BITS 59-48 ZERO.	CMP24	33	A
COMPASS	*	BITS 47-00 COLUMNS 73-80 OF CARD IMAGE.	CMP24	34	A
COMPASS	*		CMP24	35	A
COMPASS	*	WORD 5 - IF SEQ = 10 OR 11.	CMP24	36	A
COMPASS	*		CMP24	37	A
COMPASS	*	BITS 59-00 COLUMNS 81-90 OF CARD IMAGE.	CMP24	38	A
COMPASS	*		COMPASS	897	A
COMPASS	*		COMPASS	898	A
COMPASS	*	WORDS N-M - COMPRESSED CARD TEXT TERMINATED WITH 12-BITS	COMPASS	899	A
COMPASS	*	OF ZERO.	COMPASS	900	A
COMPASS			COMPASS	901	A
COMPASS			COMPASS	902	A
COMPASS	INTER	TABLE	COMPASS	903	A
COMPASS	OPTAB	SPACE 4	COMPASS	904	A
COMPASS	**	OPTAB - OPERATION CODE TABLE.	COMPASS	905	A
COMPASS	*	CONTAINS THE NAME AND INFORMATION ABOUT EVERY OPERATION	COMPASS	906	A
COMPASS	*	CODE.	COMPASS	907	A
COMPASS	*		COMPASS	908	A
COMPASS	*	ENTRY = 2 WORDS.	COMPASS	909	A
COMPASS	*		COMPASS	910	A
COMPASS	*	WORD 1 (PPU, PSEUDO, MACRO, OR MACROE)	COMPASS	911	A
COMPASS	*		COMPASS	912	A
COMPASS	*	BITS 59-48 LINK FIELD FOR HASHING.	COMPASS	913	A
COMPASS	*	BITS 47-00 OPERATION NAME RIGHT JUSTIFIED.	COMPASS	914	A
COMPASS	*		COMPASS	915	A
COMPASS	*		COMPASS	916	A
COMPASS	*	WORD 1 (CENTRAL PROCESSOR OR OPSYN)	COMPASS	917	I
COMPASS	-CMP10				
COMPASS	*	WORD 1 (CENTRAL PROCESSOR OR OPDEF)	CMP10	1	A
COMPASS	*		COMPASS	918	A
COMPASS	*	BITS 59-48 LINK FIELD FOR HASHING.	COMPASS	919	A
COMPASS	*	BITS 47-36 2-CHARACTER MNEMONIC.	COMPASS	920	A
COMPASS	*	BITS 35-28 N1	COMPASS	921	A
COMPASS	*	BITS 27-20 N2	COMPASS	922	A
COMPASS	*	BITS 21-12 N3	COMPASS	923	A
COMPASS	*	BITS 11-00 0055	COMPASS	924	A
COMPASS	*		COMPASS	925	A
COMPASS	*	WHERE N1, N2, AND N3 ARE -	COMPASS	926	A
COMPASS	*		COMPASS	927	A
COMPASS	*	BIT 7 LEADING SIGN	COMPASS	928	A
COMPASS	*	0 - PLUS	COMPASS	929	A
COMPASS	*	1 - MINUS	COMPASS	930	A
COMPASS	*	BITS 6-5 REGISTER NAME.	COMPASS	931	A
COMPASS	*	0 - BLANK	COMPASS	932	A
0 1 2 3 4 5 6 7 8					
123456789012345678901234567890123456789012345678901234567890					



## 14121HE

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-CMP30

14121HE

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	*	BIT	47	OPDEF.	F4820	33	A
COMPASS	*	BITS	46-30	UNUSED.	F4820	34	A
COMPASS	*	BITS	29-27	CTL.	F4820	35	A
COMPASS	*			0 - NO ADDRESS. (INX)	F4820	36	A
COMPASS	*			1 - 8-BIT ADDRESS. (LDAAI)	F4820	37	A
COMPASS	*			2 - 16-BIT ADDRESS. (LDAAE)	F4820	38	A
COMPASS	*			3 - 8-BIT RELATIVE ADDRESS. (BRA)	F4820	39	A
COMPASS	*	BITS	26-08	UNUSED.	F4820	40	A
COMPASS	*	BITS	07-00	VALUE.	F4820	41	A
COMPASS	*				COMPASS	973	A
COMPASS	*				COMPASS	974	A
COMPASS	*	WORD 2. (PSEUDO)			COMPASS	975	A
COMPASS	*				COMPASS	976	A
COMPASS	*	BITS	59-57	PSEUDO OPERATION TYPE.	COMPASS	977	A
COMPASS	*			2 - CAN NOT OCCUR IN FIRST CARD GROUP.	COMPASS	978	A
COMPASS	*			3 - PROCESS WHILE IF SKIPPING.	COMPASS	979	A
COMPASS	*			4 - CAN OCCUR ANYWHERE.	COMPASS	980	A
COMPASS	*			5 - FIRST CARD GROUP ONLY.	COMPASS	981	A
COMPASS	*	BITS	56-48	UNUSED.	COMPASS	982	A
COMPASS	*	BIT	47	OPDEF.	COMPASS	983	I
-CMP30							
COMPASS	*	BIT	47	PROGRAM DEFINED FLAG.	CMP30	1193	A
COMPASS	*	BITS	46-36	UNUSED.	COMPASS	984	A
COMPASS	*	BITS	35-18	PASS 1 PSEUDO ADDRESS.	COMPASS	985	A
COMPASS	*	BITS	17-00	PASS 2 PSEUDO ADDRESS.	COMPASS	986	A
COMPASS	*				COMPASS	987	A
COMPASS	*				COMPASS	988	A
COMPASS	*	WORD 2. (MACRO, MACROE, OPDEF)			COMPASS	989	A
COMPASS	*				COMPASS	990	A
COMPASS	*	BITS	59-57	MACRO OPERATION TYPE.	COMPASS	991	A
COMPASS	*			6 - SYSTEXT MACRO.	COMPASS	992	A
COMPASS	*			7 - PROGRAMMER MACRO.	COMPASS	993	A
COMPASS	*	BITS	56-48	UNUSED.	COMPASS	994	I
-CMP64G							
COMPASS	*	BIT	47	OPDEF.	COMPASS	995	I
-CMP64G							
COMPASS	*	BITS	46-32	UNUSED.	COMPASS	996	I
-CMP64G							
COMPASS	*	BITS	56-39	WORD COUNT OF TEXT IN MACDEF.	CMP64G	1	A
COMPASS	*	BITS	38-32	UNUSED.	CMP64G	2	I
-CMP043							
COMPASS	*	BIT	38	FLAG SET/USED BY *GSM*.	CMP043	1	A
COMPASS	*	BITS	37-32	UNUSED.	CMP043	2	I
-CPS028							
COMPASS	*	BIT	37	1 IF MACRO DEF TEXT IS IN ECS/LCM.	S028 288 CPS028	203	A
COMPASS	*	BITS	36-32	UNUSED.	S028 289 CPS028	204	A
COMPASS	*	BIT	31	MACROE FLAG.	COMPASS	997	A
COMPASS	*	BITS	30-25	COUNT OF PARAMETERS IN MACRO.	COMPASS	998	A
COMPASS	*	BITS	24-19	COUNT OF SUBSTITUTABLE ARGUMENTS.	COMPASS	999	A
COMPASS	*	BIT	18	LOCATION ARGUMENT FLAG.	COMPASS	1000	A
COMPASS	*	BITS	17-00	INDEX IN MACDEF OF START OF MACRO.	COMPASS	1001	A
COMPASS	*				COMPASS	1002	A

0 1 2 3 4 5 6 7 8  
123456789012345678901234567890123456789012345678901234567890

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	COMPASS	1003	A					
COMPASS	COMPASS	1004	A					
COMPASS	COMPASS	1005	A					
COMPASS	COMPASS	1006	A					
COMPASS	COMPASS	1007	A					
COMPASS	COMPASS	1008	A					
COMPASS	COMPASS	1009	A					
COMPASS	COMPASS	1010	A					
COMPASS	COMPASS	1011	A					
COMPASS	COMPASS	1012	A					
COMPASS	COMPASS	1013	A					
COMPASS	COMPASS	1014	A					
COMPASS	COMPASS	1015	A					
COMPASS	COMPASS	1016	A					
COMPASS	COMPASS	1017	A					
COMPASS	COMPASS	1018	A					
COMPASS	COMPASS	1019	I					
COMPASS	CMP30	1194	A					
COMPASS	CMP30	1195	A					
COMPASS	CMP30	1196	A					
COMPASS	CMP30	1197	A					
COMPASS	COMPASS	1020	A					
COMPASS	COMPASS	1021	I					
COMPASS	CMP30	1198	A					
COMPASS	CMP30	1199	A					
COMPASS	CMP30	1200	A					
COMPASS	CMP30	1201	A					
COMPASS	CMP30	1202	A					
COMPASS	CMP30	1203	A					
COMPASS	COMPASS	1022	A					
COMPASS	COMPASS	1023	A					
COMPASS	COMPASS	1024	A					
COMPASS	COMPASS	1025	A					
COMPASS	COMPASS	1026	A					
COMPASS	COMPASS	1027	A					
COMPASS	COMPASS	1028	A					
COMPASS	COMPASS	1029	I					
COMPASS	CMP18	1	A					
COMPASS	COMPASS	1030	A					
COMPASS	COMPASS	1031	I					
COMPASS	CMP18	2	A					
COMPASS	CMP18	3	A					
COMPASS	CMP18	4	A					
COMPASS	CMP18	5	A					
COMPASS	COMPASS	1032	A					
COMPASS	COMPASS	1033	I					
COMPASS	COMPASS	1034	I					
0	1	2	3	4	5	6	7	8
1234567890123456789012345678901234567890123456789012345678901234567890								



-CMP18

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	*	BIT	31	EXTERNAL FLAG.	COMPASS	1060	A	
1	COMPASS	*	BIT	30	DEFINED FLAG.	COMPASS	1061	A	
2	COMPASS	*	BITS	29-21	RELOCATION OR EXTERNAL NUMBER.	COMPASS	1062	A	
3	COMPASS	*	BITS	20-00	VALUE OF SYMBOL.	COMPASS	1063	A	
4	COMPASS					COMPASS	1064	A	
5	COMPASS					COMPASS	1065	A	
6	COMPASS	SYMTAB	TABLE			COMPASS	1066	A	
7	COMPASS	USETAB	SPACE 4			COMPASS	1067	A	
8	COMPASS	**	USETAB	- PROGRAM BLOCK TABLE.		COMPASS	1068	A	
9	COMPASS	*	COUNTERS	FOR PROGRAM BLOCKS.		COMPASS	1069	A	
10	COMPASS	*				COMPASS	1070	A	
11	COMPASS	*	ENTRY	= 4 WORDS.		COMPASS	1071	I	
12		-CMP26							
13	COMPASS	*	ENTRY	= 6 WORDS.		CMP26	9	I	
14		-CMP30							
15	COMPASS	*	ENTRY	= 4 WORDS.		CMP30	1206	A	
16	COMPASS	*				COMPASS	1072	A	
17	COMPASS	*	WORD	1.		COMPASS	1073	A	
18	COMPASS	*				COMPASS	1074	A	
19	COMPASS	*	BITS	59-00	BLOCK NAME RIGHT JUSTIFIED WITH ZERO FILL.	COMPASS	1075	A	
20	COMPASS	*			SPECIAL BLOCK NAMES -	COMPASS	1076	A	
21	COMPASS	*			LCM BLOCK - COMPLEMENTED NAME.	COMPASS	1077	A	
22	COMPASS	*			PASS 1 PASS 2	COMPASS	1078	A	
23	COMPASS	*	BLOCK 1	- ABSOLUTE*	PROGRAM*	COMPASS	1079	A	
24	COMPASS	*			OR	COMPASS	1080	A	
25	COMPASS	*	BLOCK 1	- ABSOLUTE*	ABSOLUTE*	COMPASS	1081	A	
26	COMPASS	*	BLOCK 2	- (ONE BLANK)	PROGRAM*	COMPASS	1082	A	
27	COMPASS	*	BLOCK 3	- LITERALS*	LITERAL*	COMPASS	1083	A	
28	COMPASS	*				COMPASS	1084	A	
29	COMPASS	*				COMPASS	1085	A	
30	COMPASS	*	WORD	2.		COMPASS	1086	A	
31	COMPASS	*				COMPASS	1087	A	
32	COMPASS	*	BITS	59-30	UNUSED.	COMPASS	1088	I	
33		-CMP30							
34	COMPASS	*	BIT	59	CONDITIONAL LOAD FLAG (PASS 1 ONLY).	CMP30	1207	A	
35	COMPASS	*	BITS	58-42	CURRENT RELTAB HALFWORD INDEX (BINREL).	CMP30	1208	A	
36	COMPASS	*	BITS	41-30	UNUSED.	CMP30	1209	A	
37	COMPASS	*	BITS	29-24	CURRENT VALUE OF POSITION COUNTER.	COMPASS	1089	A	
38	COMPASS	*	BIT	23	VALUE OF NFOUP FLAG.	COMPASS	1090	A	
39	COMPASS	*	BITS	22-21	UNUSED.	COMPASS	1091	A	
40	COMPASS	*	BITS	20-00	VALUE OF ORIGIN COUNTER.	COMPASS	1092	A	
41	COMPASS	*				COMPASS	1093	A	
42	COMPASS	*				COMPASS	1094	A	
43	COMPASS	*	WORD	3. (PASS 1)		COMPASS	1095	A	
44	COMPASS	*				COMPASS	1096	A	
45	COMPASS	*	BITS	59-01	UNUSED.	COMPASS	1097	A	
46	COMPASS	*	BIT	00	COMMON FLAG.	COMPASS	1098	A	
47	COMPASS	*				COMPASS	1099	A	
48	COMPASS	*				COMPASS	1100	A	
49	COMPASS	*	WORD	3. (PASS 2)		COMPASS	1101	A	
50	COMPASS	*				COMPASS	1102	A	
51	COMPASS	*	BITS	59-33	UNUSED.	COMPASS	1103	I	
52									
53		0	1	2	3	4	5	6	7
54		1234567890123456789012345678901234567890123456789012345678901234567890							

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP30

1	COMPASS	*	BITS	59-54	UNUSED.	CMP30	1210	A	1
2	COMPASS	*	BITS	53-33	MAXIMUM ORIGIN OF BLOCK.	CMP30	1211	A	2
3	COMPASS	*	BITS	32-24	RELOCATION OF BLOCK.	COMPASS	1104	A	3
4	COMPASS	*	BITS	23-21	UNUSED.	COMPASS	1105	A	4
5	COMPASS	*	BITS	20-00	ORIGIN OF BLOCK.	COMPASS	1106	A	5
6	COMPASS	*				COMPASS	1107	A	6
7	COMPASS	*				COMPASS	1108	A	7
8	COMPASS	*	WORD 4. (PASS 1)			COMPASS	1109	A	8
9	COMPASS	*				COMPASS	1110	A	9
10	COMPASS	*	BITS	59-21	UNUSED.	COMPASS	1111	A	10
11	COMPASS	*	BITS	20-00	MAXIMUM ORIGIN OF BLOCK.	COMPASS	1112	A	11
12	COMPASS	*				COMPASS	1113	A	12
13	COMPASS	*				COMPASS	1114	A	13
14	COMPASS	*	WORD 4. (PASS 2)			COMPASS	1115	A	14
15	COMPASS	*				COMPASS	1116	A	15
16	COMPASS	*	BITS	59-00	PARTIAL BINARY WORD (BINWORD)	COMPASS	1117	A	16
17	COMPASS	*				COMPASS	1118	I	17
18	-CMP30								18
19	COMPASS	*				COMPASS	1119	I	19
20	-CMP30								20
21	COMPASS	*	WORD 5. (PASS 2)			COMPASS	1120	I	21
22	-CMP30								22
23	COMPASS	*				COMPASS	1121	I	23
24	-CMP30								24
25	COMPASS	*	BITS	59-00	PARTIAL BINARY RELOCATION (BINREL)	COMPASS	1122	I	25
26	-CMP30								26
27	COMPASS	*				COMPASS	1123	I	27
28	-CMP30								28
29	COMPASS	*				COMPASS	1124	I	29
30	-CMP30								30
31	COMPASS	*	WORD 6. (PASS 2)			COMPASS	1125	I	31
32	-CMP30								32
33	COMPASS	*				COMPASS	1126	I	33
34	-CMP30								34
35	COMPASS	*	BITS	59-21	UNUSED.	COMPASS	1127	I	35
36	-CMP30								36
37	COMPASS	*	BITS	20-00	MAXIMUM ORIGIN OF BLOCK.	COMPASS	1128	I	37
38	-CMP30								38
39	COMPASS					COMPASS	1129	A	39
40	COMPASS					COMPASS	1130	A	40
41	COMPASS	USETAB	TABLE			COMPASS	1131	A	41
42	COMPASS	QVTAB	SPACE 4			COMPASS	1132	A	42
43	COMPASS	**	QVTAB - QUALIFIER NAME TABLE.			COMPASS	1133	A	43
44	COMPASS	*	NAMES OF QUALIFIERS AS THEY OCCUR.			COMPASS	1134	A	44
45	COMPASS	*				COMPASS	1135	A	45
46	COMPASS	*	ENTRY = 1 WORD.			COMPASS	1136	A	46
47	COMPASS	*				CMP19	6	A	47
48	COMPASS	*	BIT	59	NO REFERENCE FLAG.	CMP19	7	A	48
49	COMPASS	*	BITS	58-48	UNUSED AND ZERO.	CMP19	8	A	49
50	COMPASS	*	BITS	47-00	QUALIFIER NAME RIGHT ADJUSTED WITH 00 FILL.	CMP19	9	A	50
51	COMPASS					COMPASS	1137	A	51

0 1 2 3 4 5 6 7 8  
123456789012345678901234567890123456789012345678901234567890

## 1412THE

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	*					COMPASS	1170		I
COMPASS	-CMP30					COMPASS	1171		I
COMPASS	*	ENTRY = 1 WORD.				COMPASS	1172		I
COMPASS	-CMP30					COMPASS	1173		I
COMPASS	*	BITS 59-42	UNUSED.			COMPASS	1174		I
COMPASS	-CMP30					COMPASS	1175		I
COMPASS	*	BITS 41-36	BASE CHARACTER IN DISPLAY CODE.			COMPASS	1176		I
COMPASS	-CMP30					COMPASS	1177		I
COMPASS	*	BITS 35-18	MIXED BASE VALUE (MBASE)			COMPASS	1178		I
COMPASS	-CMP30					COMPASS	1179		I
COMPASS	*	BITS 17-00	NORMAL BASE VALUE (NBASE)			COMPASS	1180	A	
COMPASS	-CMP30					COMPASS	1181	A	
COMPASS	BSTACK	TABLE				COMPASS	1182	A	
COMPASS	-CMP30					COMPASS	1183	A	
COMPASS	LITAB	SPACE 4				COMPASS	1184	A	
COMPASS	**	LITAB - LITERAL TABLE.				COMPASS	1185	A	
COMPASS	*	LITERALS DEFINED DURING PASS 1.				COMPASS	1186	A	
COMPASS						COMPASS	1187	A	
COMPASS	LITAB	TABLE				COMPASS	1188		I
COMPASS	EPTAB	SPACE 4				COMPASS	1189		I
COMPASS	**	EPTAB - ENTRY POINT TABLE.				CMP30	1212	A	
COMPASS	*	NAMES OF SYMBOLS APPEARING ON AN *ENTRY* PSEUDO-OPERATION				CMP30	1213	A	
COMPASS	-CMP30					COMPASS	1190	A	
COMPASS	*	CARD.				COMPASS	1191	A	
COMPASS	-CMP30					COMPASS	1192	A	
COMPASS	*	NAMES OF ENTRY POINTS DECLARED BY *ENTRY* AND *ENTRYC*				COMPASS	1193		I
COMPASS	*	PSEUDO INSTRUCTIONS.				CPS2672	11	A	
COMPASS	*	ENTRY = 1 WORD.				CPS2672	12	A	
COMPASS	*					CPS2672	13	A	
COMPASS	*	BITS 59-00	SYMBOL RIGHT JUSTIFIED WITH ZERO FILL.			CPS2672	14	A	
COMPASS	-CMP30					CPS2672	15	A	
COMPASS	*	BIT 59	CONDITIONAL (ENTRYC) FLAG.			CPS2672	16	A	
COMPASS	*	BITS 58-00	SYMBOL RIGHT JUSTIFIED WITH 00 FILL.			CPS2672	17	A	
COMPASS						CPS2672	18	A	
COMPASS	EPTAB	TABLE							
COMPASS	RVTAB	SPACE 4,8							
COMPASS	**	RVTAB - RELOCATION VECTOR.							
COMPASS	*	RELOCATION VALUES FOR EACH BLOCK.							
COMPASS	*	LENGTH IS EQUAL TO THE NUMBER OF BLOCKS DEFINED.							
COMPASS	*	ENTRY = 1 WORD.							
COMPASS	*								
COMPASS	*	BITS 59-00	RELOCATION.						
	0	1	2	3	4	5	6	7	8
	123456789012345678901234567890123456789012345678901234567890								

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS					CPS2672	19	A	
1	COMPASS					CPS2672	20	A	
2	COMPASS	RVTAB	TABLE			CPS2672	21	A	
3	COMPASS	EXTAB	SPACE 4			COMPASS	1197	A	
4	COMPASS	**	EXTAB - EXTERNAL TABLE.			COMPASS	1198	A	
5	COMPASS	*	RECORDS EACH EXTERNAL SYMBOL.			COMPASS	1199	A	
6	COMPASS	*				COMPASS	1200	A	
7	COMPASS	*	ENTRY = 1 WORD.			COMPASS	1201	A	
8	COMPASS	*				COMPASS	1202	A	
9	COMPASS	*	BITS 59-00	SYMBOL NAME RIGHT JUSTIFIED WITH ZERO FILL.		COMPASS	1203	I	
10		-CMP30							
11	COMPASS	*	BITS 59-00	SYMBOL RIGHT JUSTIFIED, 00 FILL IN PASS 1,	CMP30	1216	I		
12		-CP154							
13	COMPASS	*		LEFT JUSTIFIED WITH 00 FILL IN PASS 2.	CMP30	1217	I		
14		-CP154							
15	COMPASS	*	(PASS 1)		CP154	6	A		
16	COMPASS	*	BIT 59	SET IF WEAK EXTERNAL (=Y TYPE).	CP154	7	A		
17	COMPASS	*	BITS 58-00	SYMBOL NAME RIGHT JUSTIFIED WITH 00 FILL.	CP154	8	A		
18	COMPASS	*			CP154	9	A		
19	COMPASS	*	(PASS 2)		CP154	10	A		
20	COMPASS	*	BITS 59-01	SYMBOL NAME LEFT JUSTIFIED WITH 00 FILL.	CP154	11	A		
21	COMPASS	*	BIT 00	SET IF WEAK EXTERNAL.	CP154	12	A		
22	COMPASS				COMPASS	1204	A		
23	COMPASS				COMPASS	1205	A		
24	COMPASS	EXTAB	TABLE		COMPASS	1206	A		
25	COMPASS	SEGTAB	SPACE 4		COMPASS	1207	A		
26	COMPASS	**	SEGTAB - SEGMENT TABLE.		COMPASS	1208	A		
27	COMPASS	*	RECORDS ALL RELEVANT INFORMATION ABOUT EACH SEGMENT OR		COMPASS	1209	A		
28	COMPASS	*	PARTIAL SEGMENT.		COMPASS	1210	A		
29	COMPASS	*			COMPASS	1211	A		
30	COMPASS	*	ENTRY = 4 WORDS.		COMPASS	1212	A		
31	COMPASS	*			COMPASS	1213	A		
32	COMPASS	*	WORD 1.		COMPASS	1214	A		
33	COMPASS	*			COMPASS	1215	A		
34	COMPASS	*	BITS 59-30	UNUSED.	COMPASS	1216	A		
35	COMPASS	*	BITS 29-21	RELOCATION OF LWA OF SEGMENT.	COMPASS	1217	A		
36	COMPASS	*	BITS 20-00	RELATIVE LWA OF SEGMENT.	COMPASS	1218	A		
37	COMPASS	*			COMPASS	1219	A		
38	COMPASS	*			COMPASS	1220	A		
39	COMPASS	*	WORD 2.		COMPASS	1221	A		
40	COMPASS	*			COMPASS	1222	A		
41	COMPASS	*	BITS 59-36	UNUSED.	COMPASS	1223	A		
42	COMPASS	*	BITS 35-18	USE TABLE INDEX.	COMPASS	1224	A		
43	COMPASS	*	BITS 17-00	IDTAB INDEX.	COMPASS	1225	A		
44	COMPASS	*			COMPASS	1226	A		
45	COMPASS	*			COMPASS	1227	A		
46	COMPASS	*	WORD 3. (PASS 1)		COMPASS	1228	A		
47	COMPASS	*			COMPASS	1229	A		
48	COMPASS	*	BITS 59-36	UNUSED.	COMPASS	1230	I		
49		-CMP17							
50	COMPASS	*	BITS 59-54	UNUSED.	CMP17	2	A		
51	COMPASS	*	BITS 53-36	SLITS INDEX.	CMP17	3	A		
52									
53		0	1	2	3	4	5	6	7
54		1234567890123456789012345678901234567890123456789012345678901234567890							



## 14121HE

1

0	1	2	3	4	5	6	7	8
12345678901	23456789012	34567890123	45678901234	56789012345	67890123456	78901234567	89012345678	90123456789

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	TLDS	TABLE	CP147	13	A
COMPASS	TABLE	SPACE 4	COMPASS	1269	A
COMPASS	**	TABLES BELOW HERE CLEARED AT END OF PASS 1.	COMPASS	1270	A
COMPASS	STACK	SPACE 4	COMPASS	1271	A
COMPASS	**	STACK - RECURSION STACK.	COMPASS	1272	A
COMPASS	*	CONTROL OF ASSEMBLER INPUT SOURCES.	COMPASS	1273	A
COMPASS	*		COMPASS	1274	A
COMPASS	*	ENTRY = 4 WORDS.	COMPASS	1275	A
COMPASS	*		COMPASS	1276	A
COMPASS	*	WORD 1.	COMPASS	1277	A
COMPASS	*		COMPASS	1278	A
COMPASS	*	BITS 59-18 UNUSED.	COMPASS	1279	I
	-CMP20				
COMPASS	*	BITS 59-54 PERIOD IN DISPLAY CODE.	CMP20	32	A
COMPASS	*	BITS 53-18 RECURSION LEVEL IN DECIMAL, LEFT	CMP20	33	A
COMPASS	*	JUSTIFIED WITH BLANK FILL.	CMP20	34	A
COMPASS	*	BITS 17-00 RELATIVE ADDRESS OF NEXT CARD TO	COMPASS	1280	A
COMPASS	*	BE UNPACKED.	COMPASS	1281	A
COMPASS	*		COMPASS	1282	A
COMPASS	*		COMPASS	1283	A
COMPASS	*	WORD 2.	COMPASS	1284	A
COMPASS	*		COMPASS	1285	A
COMPASS	*	BITS 59-56 TYPE OF STACK ENTRY.	COMPASS	1286	A
COMPASS	*	1 - MACRO EXPANSION.	COMPASS	1287	A
COMPASS	*	2 - DUPLICATION EXPANSION.	COMPASS	1288	A
COMPASS	*	3 - REMOTE EXPANSION.	COMPASS	1289	A
COMPASS	*	4 - XTEXT EXPANSION.	COMPASS	1290	A
COMPASS	*	5 - ECHO EXPANSION.	COMPASS	1291	A
COMPASS	*	BITS 55-36 A RECORD OF INDICATORS SET WHEN	COMPASS	1292	A
COMPASS	*	STACK WAS PUSHED DOWN.	COMPASS	1293	A
COMPASS	*	BITS 35-18 LENGTH OF MARGS AT START OF EXPANSION.	COMPASS	1294	A
COMPASS	*	BITS 17-00 LENGTH OF MARDIS AT START OF EXPANSION.	COMPASS	1295	A
COMPASS	*		COMPASS	1296	A
COMPASS	*		COMPASS	1297	A
COMPASS	*	WORD 3.	COMPASS	1298	A
COMPASS	*		COMPASS	1299	A
COMPASS	*	BITS 59-36 UNUSED.	COMPASS	1300	A
COMPASS	*	BITS 35-18 DUP - ITERATION COUNT.	COMPASS	1301	A
COMPASS	*	XTEXT - LENGTH OF LASTAB.	COMPASS	1302	A
COMPASS	*	ECHO - LENGTH OF ECHTAB.	COMPASS	1303	A
COMPASS	*	BITS 17-00 DUP - LENGTH OF DUPTAB.	COMPASS	1304	A
COMPASS	*		COMPASS	1305	A
COMPASS	*		COMPASS	1306	A
COMPASS	*	WORD 4.	COMPASS	1307	A
COMPASS	*		COMPASS	1308	A
COMPASS	*	BITS 59-48 UNUSED.	COMPASS	1309	A
COMPASS	*	BITS 47-00 NAME OF MACRO, OR WORDS *DUP*, *RMT*,	COMPASS	1310	A
COMPASS	*	OR *ECHO*, OR FILE NAME FOR XTEXT.	COMPASS	1311	A
COMPASS			COMPASS	1312	A
COMPASS			COMPASS	1313	A
COMPASS	STACK	TABLE	COMPASS	1314	A
COMPASS	RMTAB	SPACE 4	COMPASS	1315	A

0 1 2 3 4 5 6 7 8  
123456789012345678901234567890123456789012345678901234567890

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	**	RMTAB	TABLE	COMPASS	1316	A
COMPASS	*		USED TO HOLD REMOTE CODE COMPRESSED TEXT.	COMPASS	1317	A
COMPASS				COMPASS	1318	A
COMPASS				COMPASS	1319	A
COMPASS	RMTAB	TABLE		COMPASS	1320	A
COMPASS	LRMTAB	SPACE 4		COMPASS	1321	A
COMPASS	**	LRMTAB	- LABELED REMOTE TABLE.	COMPASS	1322	A
COMPASS	*		USED TO HOLD LABELED REMOTE NAMES AND COMPRESSED TEXT.	COMPASS	1323	A
COMPASS	*			COMPASS	1324	A
COMPASS	*		ENTRY = N WORDS.	COMPASS	1325	A
COMPASS	*			COMPASS	1326	A
COMPASS	*		WORD 1 - REMOTE NAME, RIGHT JUSTIFIED WITH ZERO FILL.	COMPASS	1327	A
COMPASS	*			COMPASS	1328	A
COMPASS	*		WORDS 2-N - COMPRESSED TEXT.	COMPASS	1329	A
COMPASS				COMPASS	1330	A
COMPASS				COMPASS	1331	A
COMPASS	LRMTAB	TABLE		COMPASS	1332	A
COMPASS	RASTAB	SPACE 4		COMPASS	1333	A
COMPASS	**	RASTAB	- REMOTE ASSEMBLY TABLE.	COMPASS	1334	A
COMPASS	*		USED TO HOLD REMOTE COMPRESSED TEXT DURING ASSEMBLY.	COMPASS	1335	A
COMPASS				COMPASS	1336	A
COMPASS				COMPASS	1337	A
COMPASS	RASTAB	TABLE		COMPASS	1338	A
COMPASS	LASTAB	SPACE 4		COMPASS	1339	A
COMPASS	**	LASTAB	- LIBRARY ASSEMBLY TABLE.	COMPASS	1340	A
COMPASS	*		USED TO HOLD XTEXT COMPRESSED TEXT DURING ASSEMBLY.	COMPASS	1341	A
COMPASS				COMPASS	1342	A
COMPASS				COMPASS	1343	A
COMPASS	LASTAB	TABLE		COMPASS	1344	A
COMPASS	DUPTAB	SPACE 4		COMPASS	1345	A
COMPASS	**	DUPTAB	- DUPLICATION TABLE.	COMPASS	1346	A
COMPASS	*		USED TO HOLD DUP COMPRESSED TEXT DURING ASSEMBLY.	COMPASS	1347	A
COMPASS				COMPASS	1348	A
COMPASS				COMPASS	1349	A
COMPASS	DUPTAB	TABLE		COMPASS	1350	A
COMPASS	TEMTAB	SPACE 4		COMPASS	1351	A
COMPASS	**	TEMTAB	- TEMPORARY TABLE.	COMPASS	1352	A
COMPASS	*		TEMPORARY TABLE USED TO HOLD COMPRESSED TEXT DURING	COMPASS	1353	A
COMPASS	*		DEFINITION OPERATIONS.	COMPASS	1354	A
COMPASS				COMPASS	1355	A
COMPASS				COMPASS	1356	A
COMPASS	TEMTAB	TABLE		COMPASS	1357	A
COMPASS	ECHTAB	SPACE 4		COMPASS	1358	A
COMPASS	**	ECHTAB	- ECHO TABLE.	COMPASS	1359	A
COMPASS	*		USED TO HOLD ECHO COMPRESSED TEXT DURING ASSEMBLY.	COMPASS	1360	A
COMPASS				COMPASS	1361	A
COMPASS				COMPASS	1362	A
COMPASS	ECHTAB	TABLE		COMPASS	1363	A
COMPASS	MARDIS	SPACE 4		COMPASS	1364	A
COMPASS	**	MARDIS	- MACRO ARGUMENT DISCRIPTORS.	COMPASS	1365	A
COMPASS	*		CONTAINS POINTERS INTO MARGS FOR THE ACTUAL PARAMETERS	COMPASS	1366	A
COMPASS	*		OF A MACRO EXPANSION.	COMPASS	1367	A
0	1	2	3	4	5	6
1234567890123456789012345678901234567890123456789012345678901234567890						

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	*					COMPASS	1368	A	
1	COMPASS	*	ENTRY = 1 WORD.				COMPASS	1369	A	
2	COMPASS	*					COMPASS	1370	A	
3	COMPASS	*	NON-ITERATIVE FORM.				COMPASS	1371	A	
4	COMPASS	*					COMPASS	1372	A	
5	COMPASS	*	BITS	59-18	ZERO.		COMPASS	1373	I	
6		-CMP165								
7	COMPASS	*	BITS	17-00	INDEX INTO MARGS TABLE.		COMPASS	1374	I	
8		-CMP165								
9	COMPASS	*	BITS	59-48	2000B + CHARACTER COUNT OF ARGUMENT.		CMP165	1	A	
10	COMPASS	*	BITS	47-18	ZERO.		CMP165	2	A	
11	COMPASS	*	BITS	17-00	FWA OF ARGUMENT IN MARGS TABLE.		CMP165	3	A	
12	COMPASS	*					COMPASS	1375	A	
13	COMPASS	*	ITERATIVE FORM.				COMPASS	1376	A	
14	COMPASS	*					COMPASS	1377	A	
15	COMPASS	*	BITS	59-58	10		COMPASS	1378	I	
16		-CMP165								
17	COMPASS	*	BITS	57-48	-(CHARACTER INDEX)		COMPASS	1379	I	
18		-CMP165								
19	COMPASS	*	BITS	47-36	UNUSED.		COMPASS	1380	I	
20		-CMP165								
21	COMPASS	*	BITS	35-18	INDEX INTO MARGS TABLE OF CURRENT		COMPASS	1381	I	
22		-CMP165								
23	COMPASS	*	START OF ARGUMENT.				COMPASS	1382	I	
24		-CMP165								
25	COMPASS	*	BITS	17-00	INDEX INTO MARGS TABLE OF START		COMPASS	1383	I	
26		-CMP165								
27	COMPASS	*	OF ARGUMENT.				COMPASS	1384	I	
28		-CMP165								
29	COMPASS	*	BITS	59-48	1777B - CHARACTER COUNT OF ARGUMENT.		CMP165	4	A	
30	COMPASS	*	BITS	47-42	54 - BIT POSITION FOR START OF CURRENT		CMP165	5	A	
31	COMPASS	*	SUBARGUMENT.				CMP165	6	A	
32	COMPASS	*	BITS	41-30	2000B + COUNT OF CHARACTERS PRECEDING		CMP165	7	A	
33	COMPASS	*	CURRENT SUBARGUMENT.				CMP165	8	A	
34	COMPASS	*	BITS	29-18	2000B + FWA OF CURRENT SUBARGUMENT IN MARGS		CMP165	9	A	
35	COMPASS	*	TABLE, RELATIVE TO FWA OF ARGUMENT.				CMP165	10	A	
36	COMPASS	*	BITS	17-00	FWA OF ARGUMENT IN MARGS TABLE.		CMP165	11	A	
37	COMPASS						COMPASS	1385	A	
38	COMPASS						COMPASS	1386	A	
39	COMPASS	MARDIS	TABLE				COMPASS	1387	A	
40	COMPASS	MARGS	SPACE 4				COMPASS	1388	A	
41	COMPASS	**	MARGS - MACRO ARGUMENTS.				COMPASS	1389	A	
42	COMPASS	*	USED TO HOLD THE CHARACTER STRINGS OF MACRO ARGUMENTS.				COMPASS	1390	A	
43	COMPASS	*	EACH CHARACTER STRING STARTS IN A NEW WORD AND TERMINATES				COMPASS	1391	I	
44		-CMP165								
45	COMPASS	*	WITH AT LEAST ONE 00-BYTE.				COMPASS	1392	I	
46		-CMP165								
47	COMPASS	*	EACH CHARACTER STRING STARTS IN A NEW WORD.				CMP165	12	A	
48	COMPASS						COMPASS	1393	A	
49	COMPASS						COMPASS	1394	A	
50	COMPASS	MARGS	TABLE				COMPASS	1395	A	
51	COMPASS	MICTAB	SPACE 4				COMPASS	1396	A	
52										
53		0	1	2	3	4	5	6	7	8
54		1234567890123456789012345678901234567890123456789012345678901234567890								



## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	**	MICTAB - MICRO TABLE.				COMPASS	1397	A
COMPASS	*	RECORDS THE NAMES AND CURRENT DEFINITION OF MICROS.				COMPASS	1398	A
COMPASS	*	IF TABLE IS NON-EMPTY, FIRST WORD IS USED AS SCRATCH				CMP18	10	A
COMPASS	*	DURING TABLE LOOKUP.				CMP18	11	A
COMPASS	*	ENTRY = N WORDS.				COMPASS	1399	A
COMPASS	*					COMPASS	1400	I
	-CMP18							
COMPASS	*	ENTRY = N WORDS (N = 1 IF MICRO VALUE IS NULL).				CMP18	12	A
COMPASS	*	WORD 1 - MICRO NAME RIGHT ADJUSTED WITH ZERO FILL.				COMPASS	1401	A
COMPASS	*					COMPASS	1402	I
	-CMP18							
COMPASS	*	WORDS 1-(N-1) - VALUE OF MICRO - CHARACTER STRING PACKED				CMP18	13	A
COMPASS	*	TEN CHARACTERS PER WORD. IN LAST WORD (WORD N-1), BITS				CMP18	14	A
COMPASS	*	59-6 CONTAIN 0-9 CHARACTERS LEFT ADJUSTED WITH ZERO FILL				CMP18	15	A
COMPASS	*	AND BITS 5-0 CONTAIN CHARACTER COUNT FOR THIS WORD.				CMP18	16	A
COMPASS	*	WORD 2-N - CHARACTER STRING FOR MICRO TERMINATED BY				COMPASS	1403	A
COMPASS	*					COMPASS	1404	I
	-CMP18							
COMPASS	*	AT LEAST ONE 00-CHARACTER.				COMPASS	1405	I
	-CMP18							
COMPASS	*	WORD N.				CMP18	17	A
COMPASS	*					CMP18	18	A
COMPASS	*	BITS	59-48	2000B + N		CMP18	19	A
COMPASS	*	BITS	47-00	MICRO NAME RIGHT ADJUSTED WITH ZERO FILL.		CMP18	20	A
COMPASS						COMPASS	1406	A
COMPASS						COMPASS	1407	A
COMPASS	MICTAB	TABLE				COMPASS	1408	A
COMPASS	REFTAB	SPACE	4			CMP042	19	A
COMPASS	**	REFTAB - SYMBOLIC REFERENCE TABLE.				CMP042	20	A
COMPASS	*	RECORDS THE INFORMATION REQUIRED FOR GENERATING THE				CMP042	21	A
COMPASS	*	REFERENCE TABLE AT THE END OF ASSEMBLY.				CMP042	22	A
COMPASS	*	ENTRY = 1 WORD.				CMP042	23	A
COMPASS	*					CMP042	24	A
COMPASS	*					CMP042	25	A
COMPASS	*	BITS	59-42	INDEX OF THE SYMBOL IN SYMTAB.		CMP042	26	A
COMPASS	*	BITS	41-25	LOCATION COUNTER.		CMP042	27	A
COMPASS	*	BITS	24-13	PAGE NUMBER.		CMP042	28	A
COMPASS	*	BITS	12-06	LINE NUMBER.		CMP042	29	A
COMPASS	*	BITS	05-00	USAGE LETTER.		CMP042	30	A
COMPASS						CMP042	31	A
COMPASS						CMP042	32	A
COMPASS	REFTAB	TABLE				CMP042	33	A
COMPASS	MEMORY	SPACE	4	SYMBOLIC REFERENCE TABLE		COMPASS	1409	A
COMPASS	**	MEMORY - MEMORY TABLE.				COMPASS	1410	A
COMPASS	*	USED TO HOLD SYSTEXT DURING PASS 0 AND BINARY FOR ABSOLUTE				COMPASS	1411	A
COMPASS	*	PROGRAMS DURING PASS 2.				COMPASS	1412	A
COMPASS						COMPASS	1413	A
COMPASS						COMPASS	1414	A
COMPASS	MEMORY	TABLE				COMPASS	1415	A
COMPASS	ENDTAB	SPACE	4			COMPASS	1416	A
COMPASS	**	ENDTAB - END TABLE.				COMPASS	1417	A
COMPASS	*	DUMMY TABLE USED BY THE TABLE MANAGER.				COMPASS	1418	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	COMPASS	1419	A
COMPASS	COMPASS	1420	A
COMPASS	COMPASS	1421	A
COMPASS	COMPASS	1422	A
COMPASS	COMPASS	1423	A
COMPASS	COMPASS	1424	A
COMPASS	COMPASS	1425	A
COMPASS	COMPASS	1426	A
COMPASS	COMPASS	1427	A
COMPASS	COMPASS	1428	A
COMPASS	COMPASS	1429	A
COMPASS	COMPASS	1430	A
COMPASS	COMPASS	1431	A
COMPASS	COMPASS	1432	A
COMPASS	COMPASS	1433	A
COMPASS	COMPASS	1434	A
COMPASS	COMPASS	1435	I
COMPASS	COMPASS	1436	A
COMPASS	COMPASS	1437	A
COMPASS	COMPASS	1438	A
COMPASS	COMPASS	1439	A
COMPASS	COMPASS	1440	A
COMPASS	COMPASS	1441	A
COMPASS	COMPASS	1442	A
COMPASS	COMPASS	1443	I
COMPASS	COMPASS	1218	A
COMPASS	COMPASS	1219	A
COMPASS	COMPASS	1220	A
COMPASS	COMPASS	1221	A
COMPASS	COMPASS	1222	A
COMPASS	COMPASS	1223	A
COMPASS	COMPASS	1444	A
COMPASS	COMPASS	1445	A
COMPASS	COMPASS	1446	A
COMPASS	COMPASS	1447	A
COMPASS	COMPASS	1448	A
COMPASS	COMPASS	1449	A
COMPASS	COMPASS	1450	A
COMPASS	COMPASS	1451	A
COMPASS	COMPASS	1452	A
COMPASS	COMPASS	1453	A
COMPASS	COMPASS	1454	A
COMPASS	COMPASS	1455	A
COMPASS	COMPASS	1456	A
COMPASS	COMPASS	1457	A
COMPASS	COMPASS	1224	A
COMPASS	COMPASS	1225	A
COMPASS	COMPASS	1226	A
COMPASS	COMPASS	1227	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	*	BITS	56-48	COMMON BLOCK NUMBER.	CMP30	1228	A		
1	COMPASS	*		BITS	47-39	RELOCATION OF REFERENCE ADDRESS.	CMP30	1229	A	
2	COMPASS	*		BITS	38-33	ZEROS.	CMP30	1230	A	
3	COMPASS	*		BITS	32-12	REFERENCE ADDRESS.	CMP30	1231	A	
4	COMPASS	*		BITS	11-06	LOW-ORDER BIT POSITION OF ADDRESS FIELD.	CMP30	1232	A	
5	COMPASS	*		BITS	05-00	LENGTH, IN BITS, OF ADDRESS FIELD.	CMP30	1233	A	
6	COMPASS	*					CMP30	1234	A	
7	COMPASS	*		EXTENDED FORMAT - XFILL (4100B) TABLE, CONDITIONAL LOADING.			CMP30	1235	A	
8	COMPASS	*					CMP30	1236	A	
9	COMPASS	*		BITS	59-57	001.	CMP30	1237	A	
10	COMPASS	*		BITS	56-48	RELOCATION OF REFERENCE ADDRESS.	CMP30	1238	A	
11	COMPASS	*		BITS	47-42	ZEROS.	CMP30	1239	A	
12	COMPASS	*		BITS	41-21	REFERENCE ADDRESS.	CMP30	1240	A	
13	COMPASS	*		BITS	20-15	LOW-ORDER BIT POSITION OF ADDRESS FIELD.	CMP30	1241	A	
14	COMPASS	*		BITS	14-09	LENGTH, IN BITS, OF ADDRESS FIELD.	CMP30	1242	A	
15	COMPASS	*		BITS	08-00	COMMON BLOCK NUMBER.	CMP30	1243	A	
16	COMPASS	*					CMP30	1244	A	
17	COMPASS	*		THE FIRST WORD OF COMTAB IS USED AS SCRATCH BY DLAST. ANY			CMP30	1245	A	
18	COMPASS	*		OR ALL OF THE ABOVE FORMATS MAY BE INTERMIXED IN COMTAB;			CMP30	1246	A	
19	COMPASS	*		DLAST SORTS THEM OUT.			CMP30	1247	A	
20	COMPASS						COMPASS	1458	A	
21	COMPASS						COMPASS	1459	A	
22	COMPASS	COMTAB	TABLE	RMTAB	COMMON LINKAGE TABLE		COMPASS	1460	A	
23	COMPASS	LNKTAB	SPACE	4			COMPASS	1461	A	
24	COMPASS	**	LNKTAB - EXTERNAL LINKAGE TABLE.				COMPASS	1462	A	
25	COMPASS	*	CONTAINS ALL REFERENCES TO EXTERNAL SYMBOLS IN THE				COMPASS	1463	A	
26	COMPASS	*	BINARY OUTPUT.				COMPASS	1464	A	
27	COMPASS	*					COMPASS	1465	A	
28	COMPASS	*	ENTRY = 1 WORD.				COMPASS	1466	A	
29	COMPASS	*					COMPASS	1467	A	
30	COMPASS	*	BITS	59-30	EXTERNAL SYMBOL NUMBER (1 FOR THE FIRST)		COMPASS	1468	I	
31		-CMP30								
32	COMPASS	*	BASIC FORMAT - LINK (4400B) TABLE.				CMP30	1248	A	
33	COMPASS	*					CMP30	1249	A	
34	COMPASS	*	BITS	59-48	ZEROS.		CMP30	1250	A	
35	COMPASS	*	BITS	47-39	SAME AS BITS 26-18 IF CONDITIONAL		CMP30	1251	A	
36	COMPASS	*				LOADING, ZEROS IF UNCONDITIONAL.	CMP30	1252	A	
37	COMPASS	*	BITS	38-30	EXTERNAL SYMBOL ORDINAL (1 FOR THE FIRST).		CMP30	1253	A	
38	COMPASS	*	BIT	29	A 1-BIT FOR LATER TABLE CONSTRUCTION.		COMPASS	1469	A	
39	COMPASS	*	BITS	28-27	POSITION OF REFERENCE AS IN COMTAB.		COMPASS	1470	A	
40	COMPASS	*	BITS	26-18	RELOCATION OF REFERENCE ADDRESS		COMPASS	1471	A	
41	COMPASS	*				AS IN COMTAB.	COMPASS	1472	A	
42	COMPASS	*	BITS	17-00	REFERENCE ADDRESS.		COMPASS	1473	A	
43	COMPASS	*					CMP30	1254	A	
44	COMPASS	*	EXTENDED FORMAT - XLINK (4500B) TABLE, UNCONDITIONAL LOADING.				CMP30	1255	A	
45	COMPASS	*					CMP30	1256	A	
46	COMPASS	*	BITS	59-57	ZEROS.		CMP30	1257	A	
47	COMPASS	*	BITS	56-48	EXTERNAL SYMBOL ORDINAL.		CMP30	1258	A	
48	COMPASS	*	BITS	47-39	RELOCATION OF REFERENCE ADDRESS.		CMP30	1259	A	
49	COMPASS	*	BITS	38-33	ZEROS.		CMP30	1260	A	
50	COMPASS	*	BITS	32-12	REFERENCE ADDRESS.		CMP30	1261	A	
51	COMPASS	*	BITS	11-06	LOW-ORDER BIT POSITION OF ADDRESS FIELD.		CMP30	1262	A	
52										
53		0	1	2	3	4	5	6	7	8
54		1234567890123456789012345678901234567890123456789012345678901234567890								

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	*	BITS	05-00	LENGTH, IN BITS, OF ADDRESS FIELD.	CMP30	1263	A
COMPASS	*				CMP30	1264	A
COMPASS	*			EXTENDED FORMAT - XLINK (4500B) TABLE, CONDITIONAL LOADING.	CMP30	1265	A
COMPASS	*				CMP30	1266	A
COMPASS	*	BITS	59-57	001.	CMP30	1267	A
COMPASS	*	BITS	56-48	RELOCATION OF REFERENCE ADDRESS.	CMP30	1268	A
COMPASS	*	BITS	47-42	ZEROS.	CMP30	1269	A
COMPASS	*	BITS	41-21	REFERENCE ADDRESS.	CMP30	1270	A
COMPASS	*	BITS	20-15	LOW-ORDER BIT POSITION OF ADDRESS FIELD.	CMP30	1271	A
COMPASS	*	BITS	14-09	LENGTH, IN BITS, OF ADDRESS FIELD.	CMP30	1272	A
COMPASS	*	BITS	08-00	EXTERNAL SYMBOL ORDINAL.	CMP30	1273	A
COMPASS	*				CMP30	1274	A
COMPASS	*			THE FIRST (L.EXTAB)+1 WORDS OF LNKTAB ARE USED AS SCRATCH BY	CMP30	1275	A
COMPASS	*			DLAST. ANY OR ALL OF THE ABOVE FORMATS MAY BE INTERMIXED IN	CMP30	1276	A
COMPASS	*			LNKTAB; DLAST SORTS THEM OUT.	CMP30	1277	A
COMPASS					COMPASS	1474	A
COMPASS					COMPASS	1475	A
COMPASS	LNKTAB	TABLE	RASTAB	EXTERNAL LINKAGE TABLE	COMPASS	1476	A
COMPASS	RELTAB	SPACE	4		CMP30	1278	A
COMPASS	**			RELTAB - RELOCATION INDICATOR TABLE.	CMP30	1279	A
COMPASS	*			FOR A RELOCATABLE ASSEMBLY, RELTAB STORES THE RELOCATION	CMP30	1280	A
COMPASS	*			INDICATORS FOR THE CURRENT PARTIAL BINARY WORD FOR EACH	CMP30	1281	A
COMPASS	*			USE BLOCK. RELTAB IS NOT USED FOR AN ABSOLUTE ASSEMBLY.	CMP30	1282	A
COMPASS	*				CMP30	1283	A
COMPASS	*			ENTRY = 2 WORDS, COMPRISING FOUR 30-BIT FIELDS.	CMP30	1284	A
COMPASS	*				CMP30	1285	A
COMPASS	*	BIT	29	EXTERNAL FLAG.	CMP30	1286	A
COMPASS	*	BITS	28-12	RELOCATION BASE OR EXTERNAL NUMBER.	CMP30	1287	A
COMPASS	*	BITS	11-06	LOW-ORDER BIT POSITION OF ADDRESS FIELD.	CMP30	1288	A
COMPASS	*	BITS	05-00	LENGTH, IN BITS, OF ADDRESS FIELD.	CMP30	1289	A
COMPASS					CMP30	1290	A
COMPASS					CMP30	1291	A
COMPASS	RELTAB	TABLE	DUPTAB		CMP30	1292	A
COMPASS	REFTAB	SPACE	4		COMPASS	1477	I
COMPASS	-CMP042						
COMPASS	**			REFTAB - SYMBOLIC REFERENCE TABLE.	COMPASS	1478	I
COMPASS	-CMP042						
COMPASS	*			RECORDS THE INFORMATION REQUIRED FOR GENERATING THE	COMPASS	1479	I
COMPASS	-CMP042						
COMPASS	*			REFERENCE TABLE AT THE END OF ASSEMBLY.	COMPASS	1480	I
COMPASS	-CMP042						
COMPASS	*				COMPASS	1481	I
COMPASS	-CMP042						
COMPASS	*			ENTRY = 1 WORD.	COMPASS	1482	I
COMPASS	-CMP042						
COMPASS	*				COMPASS	1483	I
COMPASS	-CMP042						
COMPASS	*	BITS	59-42	SYMBOL NUMBER. INDEX OF THE SYMBOL	COMPASS	1484	I
COMPASS	-CMP042						
COMPASS	*			IN SYMTAB.	COMPASS	1485	I
COMPASS	-CMP042						
COMPASS	*	BITS	41-30	UNUSED.	COMPASS	1486	I
	0	1	2	3	4	5	6
	1234567890123456789012345678901234567890123456789012345678901234567890						

## 1412THE

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[illegible]



## 1412THE

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	STACKPTR	SPACE	4		CMP30	1336	A	
1	COMPASS	**	STACK POINTERS USED BY *CPS*.			CMP30	1337	A	
2	COMPASS					CMP30	1338	A	
3	COMPASS					CMP30	1339	A	
4	COMPASS	STACKPTR	BSS	0		CMP30	1340	A	
5	COMPASS	STACKPTR	HERE			CMP30	1341	A	
6	COMPASS		DATA	0		CMP30	1342	A	
7	COMPASS	PASS1	TITLE	TEMPORARY STORAGE.		CMP30	1343	A	
8	COMPASS	**	PASS 1	TEMPORARY STORAGE.		COMPASS	1515	I	
9		-CPSA097							
10	COMPASS					COMPASS	1516	A	
11	COMPASS					COMPASS	1517	A	
12	COMPASS		QUAL	PASS1		COMPASS	1518	A	
13	COMPASS	IFCNT	DATA	0	IF SKIPPING COUNTER	COMPASS	1519	A	
14	COMPASS	IFNAME	DATA	0	IF SKIPPINB BRACKET NAME	COMPASS	1520	A	
15	COMPASS	XLEV	DATA	0	XTEXT AND CTEXT/ENDX NESTING LEVEL	P036 8 CMP036	1	A	
16	COMPASS					COMPASS	1521	A	
17	COMPASS	*	THE FOLLOWING P1TEMPX CELLS MUST BE IN ORDER.			COMPASS	1522	A	
18	COMPASS					COMPASS	1523	A	
19	COMPASS	P1TEMP	DATA	0	GENERAL TEMPORARY	COMPASS	1524	A	
20	COMPASS	P1TEMPA	DATA	0	GENERAL TEMPORARY	COMPASS	1525	A	
21	COMPASS	P1TEMPB	DATA	0	GENERAL TEMPORARY	COMPASS	1526	A	
22	COMPASS	P1TEMPC	DATA	0	GENERAL TEMPORARY	COMPASS	1527	A	
23	COMPASS	P1TEMPD	DATA	0	GENERAL TEMPORARY	COMPASS	1528	A	
24	COMPASS	P1TEMPE	DATA	0	GENERAL TEMPORARY	COMPASS	1529	A	
25	COMPASS	PASS2	SPACE	4		COMPASS	1530	A	
26	COMPASS	**	PASS 2	TEMPORARY STORAGE.		COMPASS	1531	I	
27		-CPSA097							
28	COMPASS					COMPASS	1532	A	
29	COMPASS					COMPASS	1533	A	
30	COMPASS		QUAL	PASS2		COMPASS	1534	A	
31	COMPASS	CLP2	BSS	0		COMPASS	1535	A	
32	COMPASS	CTYPE	DATA	0	CONTROL CARD TYPE FLAG	COMPASS	1536	A	
33	COMPASS	MAXORG	DATA	0	UPPER LIMIT FOR BINARY OUTPUT	COMPASS	1537	A	
34	COMPASS	MINORG	DATA	0	LOWER LIMIT FOR BINARY OUTPUT	COMPASS	1538	A	
35	COMPASS	ORGBASE	DATA	0	ORIGIN OF CURRENT OVERLAY	COMPASS	1539	A	
36	COMPASS	SEGEPT	DATA	0	SEGMENT ENTRY POINT FOR ABS-CP CODE	COMPASS	1540	A	
37	COMPASS	BINWORD	DATA	0	PARTIAL BINARY WORD	COMPASS	1541	A	
38	COMPASS	BINREL	DATA	0	PARTIAL BINARY RELOCATION	COMPASS	1542	I	
39		-CMP30							
40	COMPASS	BINREL	BSSZ	3	PARTIAL BINARY RELOCATION	CMP30	1344	A	
41	COMPASS	DKNAM	DATA	0	CURRENT DECK NAME	COMPASS	1543	A	
42	COMPASS	DKCNT	DATA	0	DECK COUNT FOR ERASING BINARY OUTPUT	COMPASS	1544	A	
43	COMPASS	LPCNT	DATA	0	LINE COUNT FOR THIS PAGE	COMPASS	1545	A	
44	COMPASS	LPCX	DATA	0	LINE COUNT -- PRINTED LINES ONLY	CPSA186	6	A	
45	COMPASS	PGCX	DATA	0	PAGE COUNT -- FOR CORRECT CROSS REFERENCING	CPSA186	7	A	
46	COMPASS	DETFLG	DATA	0	DETAIL LINE FLAG	COMPASS	1546	A	
47	COMPASS	LXRF	DATA	0	PERMANENT REFERENCE SUPPRESSION	CPS010	20	A	
48	COMPASS	SUPREF	DATA	0	TEMPORARY REFERENCE SUPPRESSION	COMPASS	1547	A	
49	COMPASS	SUBTIT	DATA	1H	TEXT OF SUBTITLE	COMPASS	1548	A	
50	COMPASS	SUBTITL	EQU	6		COMPASS	1549	A	
51	COMPASS		BSS	SUBTITL		COMPASS	1550	A	
52									
53		0	1	2	3	4	5	6	7
54		1234567890123456789012345678901234567890123456789012345678901234567890							

## 1412THE

7

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	EQ	TFE	RETURN	COMPASS	1621	I
COMPASS -CMP30	TFE1	MX0	36	COMPASS	1622	I
COMPASS -CMP30	BX1	X3*X0	CHECK NEXT CARD FOR IDENT	COMPASS	1623	I
COMPASS -CMP30	IX2	X1-X4		COMPASS	1624	I
COMPASS -CMP30	ZR	X2,TFE	IF IT IS IDENT, CONTINUE ASSEMBLY	COMPASS	1625	I
COMPASS -CMP30	EQ	TFE3	ELSE EXIT TO CONTINUE COMPILATION	COMPASS	1626	I
COMPASS -CMP30	TFE2	MX6	0	COMPASS	1627	I
COMPASS -CMP30	SA6	INBUF	BY CLEARING FIRST WORD OF INBUF	COMPASS	1628	I
COMPASS -CMP30	TFE3	SA1	S+1	COMPASS	1629	I
COMPASS -CMP30	PL	X1,TFE4	IF MASS STORAGE	COMPASS	1630	I
COMPASS -CMP30	REWIND	S		COMPASS	1631	I
COMPASS -CMP30	EQ	TFE5		COMPASS	1632	I
COMPASS -CMP30	TFE4	EVICT	S	COMPASS	1633	I
COMPASS -CMP30	RECALL	S		COMPASS	1634	I
COMPASS -CMP30	SA2	SYSNAME		CMP27	3	I
COMPASS -CMP30	SA1	B		COMPASS	1635	I
COMPASS -CMP30	BX6	X2	RESTORE SYSTEXT NAME	CMP27	4	I
COMPASS -CMP30	SA6	SYSTEXT	TO COMMUNICATION WORD	CMP27	5	I
COMPASS -CMP30	ZR	X1,EXIT		COMPASS	1636	I
COMPASS -CMP30	RECALL	B		COMPASS	1637	I
COMPASS -CMP30	EQ	EXIT		COMPASS	1638	I
COMPASS -CMP30	SYSTEM	TITLE	SYSTEM COMMUNICATION ROUTINES.	CMP20	36	A
COMPASS	USE	SYSTEM		CMP30	1345	A
COMPASS	SEG	SYSTEM COMMUNICATION SUBROUTINES.		CMP30	1346	A
COMPASS				CMP30	1347	A
COMPASS				CMP30	1348	A
COMPASS	LIST	"LISTRM"X		CMP30	1349	I
-CPS028						
COMPASS	LIST	"LISTRM"X, -F	S028 291	CPS028	205	A
COMPASS				CMP30	1350	A
COMPASS				CMP30	1351	A

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## 1412THE

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## 14121HE

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\* BY COMMAS (BLANKS ARE IGNORED).

14121HE

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SNAPPER	PS	RETURN EXIT	CMP14	98	A
COMPASS		NG	B1,-5	CMP14	99	A
COMPASS		SB1	B1-1	CMP14	100	A
COMPASS		ZR	B1,SNAPPER1	CMP14	101	A
COMPASS		SB1	B1+1	CMP14	102	A
COMPASS		EQ	-5	CMP14	103	A
COMPASS	SNAPPER1	SB1	A6	CMP14	104	A
COMPASS		SA6	SNX+6	CMP14	105	A
COMPASS		SX6	B1	CMP14	106	A
COMPASS		SA6	SNA+6	CMP14	107	A
COMPASS		SB1	1	CMP14	108	A
COMPASS		SX6	A7	CMP14	109	A
COMPASS		SA6	A6+B1	CMP14	110	A
COMPASS		BX6	X7	CMP14	111	A
COMPASS		SA6	SNX+7	CMP14	112	A
COMPASS		BX6	X0	CMP14	113	A
COMPASS		LX7	X1	CMP14	114	A
COMPASS		SA6	SNX	CMP14	115	A
COMPASS		SA7	A6+B1	CMP14	116	A
COMPASS		BX6	X2	CMP14	117	A
COMPASS		LX7	X3	CMP14	118	A
COMPASS		SA6	A7+B1	CMP14	119	A
COMPASS		SA7	A6+B1	CMP14	120	A
COMPASS		BX6	X4	CMP14	121	A
COMPASS		LX7	X5	CMP14	122	A
COMPASS		SA6	A7+B1	CMP14	123	A
COMPASS		SA7	A6+B1	CMP14	124	A
COMPASS		SX6	A0-B0	CMP14	125	A
COMPASS		SX7	A1	CMP14	126	A
COMPASS		SA6	SNA	CMP14	127	A
COMPASS		SA7	A6+B1	CMP14	128	A
COMPASS		SX6	A2	CMP14	129	A
COMPASS		SX7	A3	CMP14	130	A
COMPASS		SA6	A7+B1	CMP14	131	A
COMPASS		SA7	A6+B1	CMP14	132	A
COMPASS		SX6	A4	CMP14	133	A
COMPASS		SX7	A5	CMP14	134	A
COMPASS		SA6	A7+B1	CMP14	135	A
COMPASS		SA7	A6+B1	CMP14	136	A
COMPASS		SX7	B2-B0	CMP14	137	A
COMPASS		SA7	SNB+2	CMP14	138	A
COMPASS		SX6	B3-B0	CMP14	139	A
COMPASS		SX7	B4-B0	CMP14	140	A
COMPASS		SA6	A7+B1	CMP14	141	A
COMPASS		SA7	A6+B1	CMP14	142	A
COMPASS		SX6	B5-B0	CMP14	143	A
COMPASS		SX7	B6-B0	CMP14	144	A
COMPASS		SA6	A7+B1	CMP14	145	A
COMPASS		SA7	A6+B1	CMP14	146	A
COMPASS		SX6	B7-B0	CMP14	147	A
COMPASS		SA6	A7+B1	CMP14	148	A
COMPASS		SA1	SNAPPER	CMP14	149	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	LX1	30				CMP14	150	A
COMPASS	SX7	X1-1				CMP14	151	A
COMPASS	SA7	SNP				CMP14	152	A
COMPASS	SB7	B0	PREPARE SNAP LINES			CMP14	153	A
COMPASS	MX0	0				CMP14	154	A
COMPASS	SA0	B0				CMP14	155	A
COMPASS	SX5	1R0	DOUBLE SPACE BETWEEN RANGES			CMP14	156	A
COMPASS	RJ	SNSCH				CMP14	157	A
COMPASS	RJ	SNWLIN				CMP14	158	A
COMPASS	SX5	1R				CMP14	159	A
COMPASS	RJ	SNSCH				CMP14	160	A
COMPASS	SA5	STYPE	PRINT STYPE			CMP14	161	A
COMPASS	RJ	SNSCH				CMP14	162	A
COMPASS	SA1	=8H CARD =				CMP14	163	A
COMPASS	SB5	8				CMP14	164	A
COMPASS	RJ	SCHAR				CMP14	165	A
COMPASS	SB5	-72				CMP14	166	A
COMPASS	SNAP1	SA5	CARD+72+B5	PRINT FIRST 72 CHARACTERS OF CARD		CMP14	167	A
COMPASS	RJ	SNSCH				CMP14	168	A
COMPASS	SB5	B5+B1				CMP14	169	A
COMPASS	MI	B5,SNAP1				CMP14	170	A
COMPASS	RJ	SNWLIN				CMP14	171	A
COMPASS	SA1	=5H0P =	PRINT P			CMP14	172	A
COMPASS	SB5	5				CMP14	173	A
COMPASS	RJ	SCHAR				CMP14	174	A
COMPASS	SA1	SNP				CMP14	175	A
COMPASS	LX1	42				CMP14	176	A
COMPASS	SB5	6				CMP14	177	A
COMPASS	RJ	SNUMB				CMP14	178	A
COMPASS	SB4	-6	PRINT B2 THRU B7			CMP14	179	A
COMPASS	SNAP2	SA1	=9H B8 =			CMP14	180	A
COMPASS	SX5	B4				CMP14	181	A
COMPASS	SB5	9				CMP14	182	A
COMPASS	LX5	24				CMP14	183	A
COMPASS	IX1	X1+X5				CMP14	184	A
COMPASS	RJ	SCHAR				CMP14	185	A
COMPASS	SA1	SNB+8+B4				CMP14	186	A
COMPASS	SB5	6				CMP14	187	A
COMPASS	SB4	B4+B1				CMP14	188	A
COMPASS	LX1	42				CMP14	189	A
COMPASS	RJ	SNUMB				CMP14	190	A
COMPASS	MI	B4,SNAP2				CMP14	191	A
COMPASS	RJ	SNWLIN				CMP14	192	A
COMPASS	SB4	-8	PRINT X, A, (A)			CMP14	193	A
COMPASS	SA1	=6H0X0 =				CMP14	194	A
COMPASS	SNAP3	SB5	6			CMP14	195	A
COMPASS	RJ	SCHAR				CMP14	196	A
COMPASS	SA1	SNX+8+B4	PRINT X IN OCTAL			CMP14	197	A
COMPASS	SB5	20				CMP14	198	A
COMPASS	RJ	SNUMB				CMP14	199	A
COMPASS	SA1	=3H	PRINT 3 BLANKS			CMP14	200	A
COMPASS	SB5	3				CMP14	201	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	RJ	SCHAR		CMP14	202	A
COMPASS	SA1	SNX+8+B4	PRINT X IN DISPLAY CODE	CMP14	203	A
COMPASS	SB5	10		CMP14	204	A
COMPASS	RJ	SCHAR		CMP14	205	A
COMPASS	SA1	=10H	A8 =	CMP14	206	A
COMPASS	SX5	B4		CMP14	207	A
COMPASS	LX5	12		CMP14	208	A
COMPASS	SB5	11		CMP14	209	A
COMPASS	IX1	X1+X5		CMP14	210	A
COMPASS	RJ	SCHAR		CMP14	211	A
COMPASS	SA1	SNA+8+B4	PRINT A IN OCTAL	CMP14	212	A
COMPASS	SB5	6		CMP14	213	A
COMPASS	LX1	42		CMP14	214	A
COMPASS	RJ	SNUMB		CMP14	215	A
COMPASS	SX2	B4+8		CMP14	216	A
COMPASS	ZR	X2,SNAP5	AVOID (A0)	CMP14	217	A
COMPASS	SA1	=8H	(A0	CMP14	218	A
COMPASS	SB5	8		CMP14	219	A
COMPASS	LX2	12		CMP14	220	A
COMPASS	IX1	X1+X2		CMP14	221	A
COMPASS	RJ	SCHAR		CMP14	222	A
COMPASS	SA1	=4H) =		CMP14	223	A
COMPASS	SB5	4		CMP14	224	A
COMPASS	RJ	SCHAR		CMP14	225	A
COMPASS	SA1	SNA+8+B4	PRINT (A) IN OCTAL	CMP14	226	A
COMPASS	SB5	20		CMP14	227	A
COMPASS	SA1	X1		CMP14	228	A
COMPASS	RJ	SNUMB		CMP14	229	A
COMPASS	SA1	=3H	PRINT 3 BLANKS	CMP14	230	A
COMPASS	SB5	3		CMP14	231	A
COMPASS	RJ	SCHAR		CMP14	232	A
COMPASS	SA1	SNA+8+B4	PRINT (A) IN DISPLAY CODE	CMP14	233	A
COMPASS	SB5	10		CMP14	234	A
COMPASS	SA1	X1		CMP14	235	A
COMPASS	RJ	SCHAR		CMP14	236	A
COMPASS	SNAP5	SX6	B4+B1	CMP14	237	A
COMPASS	SA6	SNTMP		CMP14	238	A
COMPASS	RJ	SNWLIN		CMP14	239	A
COMPASS	SA5	SNTMP		CMP14	240	A
COMPASS	SA1	=6H X8 =		CMP14	241	A
COMPASS	SB4	X5		CMP14	242	A
COMPASS	LX5	42		CMP14	243	A
COMPASS	IX1	X1+X5		CMP14	244	A
COMPASS	MI	B4,SNAP3		CMP14	245	A
COMPASS	SA1	SNP	START PROCESSING SNAP DESCRIPTORS	CMP14	246	A
COMPASS	SA1	X1		CMP14	247	A
COMPASS	SA1	SNAPBUF+X1		CMP14	248	A
COMPASS	SX7	A1		CMP14	249	A
COMPASS	BX6	X1		CMP14	250	A
COMPASS	SNAP6	SA6	SNINST	CMP14	251	A
COMPASS	SA1	X7+B1	STORE REPLACED INSTRUCTION WORD	CMP14	252	A
COMPASS	SX7	A1	SNAP DESCRIPTION	CMP14	253	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

1	COMPASS		LX1	30						CMP14	254	A	1
2	COMPASS		SB6	X1	FWA OF SNAP					CMP14	255	A	2
3	COMPASS		PL	B6, SNAP7						CMP14	256	A	3
4	COMPASS		SA2	B6-400000B						CMP14	257	A	4
5	COMPASS	SNAP7	SB6	X2						CMP14	258	A	5
6	COMPASS		LX1	30						CMP14	259	A	6
7	COMPASS		SB2	X1	WORD COUNT					CMP14	260	A	7
8	COMPASS		PL	B2, SNAP7A						CMP14	261	A	8
9	COMPASS		SA2	B2-400000B						CMP14	262	A	9
10	COMPASS		SB2	X2						CMP14	263	A	10
11	COMPASS	SNAP7A	ZR	B2, SNAP12	IF WORD COUNT IS ZERO					CMP14	264	A	11
12	COMPASS		SX5	1R0						CMP14	265	A	12
13	COMPASS		SB4	4						CMP14	266	A	13
14	COMPASS		SB3	B0						CMP14	267	A	14
15	COMPASS		SA7	SNAPPTR						CMP14	268	A	15
16	COMPASS		LX1	59-48						CP096A	65	A	16
17	COMPASS		SX7	B0						CP096A	66	A	17
18	COMPASS		PL	X1, SNAP8	IF NOT ECS/LCM					CP096A	67	A	18
19	COMPASS		MX1	42						CP096A	68	A	19
20	COMPASS		SX7	B6						CP096A	69	A	20
21	COMPASS		BX7	X1+X7						CP096A	70	A	21
22	COMPASS	SNAP8	GE	B2, B4, SNAP8A						CMP14	269	A	22
23	COMPASS		SB4	B2						CMP14	270	A	23
24	COMPASS	SNAP8A	EQ	B4, B2, SNAP9	IF LAST LINE					CMP14	271	I	24
25	COMPASS	-CP096A											25
26	COMPASS	SNAP8A	ZR	X7, SNAP8B	IF NOT ECS/LCM					CP096A	71	A	26
27	COMPASS		SX0	X7						CP096A	72	A	27
28	COMPASS		SA0	SNLCM+1	READ TO CM/SCM WORK AREA					CP096A	73	A	28
29	COMPASS		SB6	A0						CP096A	74	A	29
30	COMPASS	+	RE	B4						CP096A	75	A	30
31	COMPASS	-	NO							CP096A	76	A	31
32	COMPASS	SNAP8B	EQ	B4, B2, SNAP9	IF LAST LINE					CP096A	77	A	32
33	COMPASS		SA3	B6	DROP LINE IF ALL FOUR WORDS ARE ZERO					CMP14	272	A	33
34	COMPASS		SA4	B6+B1						CMP14	273	A	34
35	COMPASS		BX3	X3+X4						CMP14	274	A	35
36	COMPASS		SA4	A4+B1						CMP14	275	A	36
37	COMPASS		BX3	X3+X4						CMP14	276	A	37
38	COMPASS		SA4	A4+B1						CMP14	277	A	38
39	COMPASS		BX3	X3+X4						CMP14	278	A	39
40	COMPASS		NZ	X3, SNAP9						CMP14	279	A	40
41	COMPASS		MI	X3, SNAP9						CMP14	280	A	41
42	COMPASS		SB6	B6+B4						CMP14	281	A	42
43	COMPASS		SB2	B2+B4						CMP14	282	I	43
44	COMPASS	-CMP029											44
45	COMPASS		SB2	B2-B4						CMP029	14	A	45
46	COMPASS		ZR	X7, SNAP8	IF NOT ECS/LCM					CP096A	78	A	46
47	COMPASS		SX7	X7+B4						CP096A	79	A	47
48	COMPASS	SNAP9	EQ	SNAP8						CMP14	283	A	48
49	COMPASS		RJ	SNSCH						CMP14	284	I	49
50	COMPASS	-CP096A											50
51	COMPASS	SNAP9	SA7	SNLCM	SAVE ECS/LCM POINTER					CP096A	80	A	51
52	COMPASS		MX0	0						CP096A	81	A	52
53	0	1	2	3	4	5	6	7	8				53
54	123456789012345678901234567890123456789012345678901234567890												54
55													55
56													56
57													57
58													58
59													59
60													60

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	SA0	B0	STORE FORMS CONTROL CHARACTER	CP096A	82	A	
1	COMPASS	RJ	SNSCH		CP096A	83	A	
2	COMPASS	SX1	B6	PRINT ADDRESS IN OCTAL	CMP14	285	A	
3	COMPASS	ZR	X7,*+1		CP096A	84	A	
4	COMPASS	SX1	X7		CP096A	85	A	
5	COMPASS	SB5	6		CMP14	286	A	
6	COMPASS	LX1	42		CMP14	287	A	
7	COMPASS	RJ	SNUMB		CMP14	288	A	
8	COMPASS	SA2	SNLCM		CP096A	86	A	
9	COMPASS	SA1	=3H	PRINT 3 BLANKS	CMP14	289	A	
10	COMPASS	SB5	3		CMP14	290	A	
11	COMPASS	RJ	SCHAR		CMP14	291	I	
12	-CP096A							
13	COMPASS	ZR	X2,SNAP9A	IF NOT ECS/LCM	CP096A	87	A	
14	COMPASS	SX5	1RL		CP096A	88	A	
15	COMPASS	SB5	2	PRINT *L* AND 2 BLANKS	CP096A	89	A	
16	COMPASS	RJ	SNSCH		CP096A	90	A	
17	COMPASS	SNAP9A	RJ	SCHAR	CP096A	91	A	
18	COMPASS	SNAP10	SA1	B6	PRINT UP TO 4 WORDS IN OCTAL	CMP14	292	A
19	COMPASS	SB5	20		CMP14	293	A	
20	COMPASS	RJ	SNUMB		CMP14	294	A	
21	COMPASS	SX5	1R	PRINT 1 BLANK AFTER EACH WORD	CMP14	295	A	
22	COMPASS	RJ	SNSCH		CMP14	296	A	
23	COMPASS	SB3	B3+B1		CMP14	297	A	
24	COMPASS	SB6	B6+B1		CMP14	298	A	
25	COMPASS	LT	B3,B4,SNAP10		CMP14	299	A	
26	COMPASS	SX1	2R	PRINT 2 ADDITIONAL BLANKS	CMP14	300	A	
27	COMPASS	SB5	B1+B1	AFTER LAST WORD	CMP14	301	A	
28	COMPASS	LX1	48		CMP14	302	A	
29	COMPASS	RJ	SCHAR		CMP14	303	A	
30	COMPASS	SB3	-B4		CMP14	304	A	
31	COMPASS	SB6	B6-B4		CMP14	305	A	
32	COMPASS	SB3	B3+4		CMP14	306	A	
33	COMPASS	ZR	B3,SNAP11	IF 4 WORDS PRINTED	CMP14	307	A	
34	COMPASS	SA1	=10H		CMP14	308	A	
35	COMPASS	SNAP10A	SB5	21	PRINT 21 BLANKS FOR EACH WORD	CMP14	309	A
36	COMPASS	RJ	SCHAR	NOT PRINTED OF THE 4 POSSIBLE	CMP14	310	A	
37	COMPASS	SB3	B3-B1		CMP14	311	A	
38	COMPASS	NZ	B3,SNAP10A		CMP14	312	A	
39	COMPASS	SNAP11	SA1	B6	PRINT UP TO 4 WORDS IN DISPLAY CODE	CMP14	313	A
40	COMPASS	SB5	10		CMP14	314	A	
41	COMPASS	RJ	SCHAR		CMP14	315	A	
42	COMPASS	SB3	B3+B1		CMP14	316	A	
43	COMPASS	SB6	B6+B1		CMP14	317	A	
44	COMPASS	LT	B3,B4,SNAP11		CMP14	318	A	
45	COMPASS	SX6	B6		CMP14	319	A	
46	COMPASS	SX7	B2-B4		CMP14	320	A	
47	COMPASS	LX6	30		CMP14	321	A	
48	COMPASS	BX6	X6+X7		CMP14	322	A	
49	COMPASS	SA6	SNTEMP		CMP14	323	A	
50	COMPASS	RJ	SNWLIN		CMP14	324	A	
51	COMPASS	SA1	SNTEMP		CMP14	325	A	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA2	SNLCM	CP096A	92	A
COMPASS	SB3	B0	CMP14	326	A
COMPASS	SB4	4	CMP14	327	A
COMPASS	SX5	1R	CMP14	328	A
COMPASS	SB2	X1	CMP14	329	A
COMPASS	AX1	30	CMP14	330	A
COMPASS	SB6	X1	CMP14	331	A
COMPASS	NZ	B2, SNAP8	CMP14	332	I
-CP096A					
COMPASS	BX7	X2	CP096A	93	A
COMPASS	ZR	X2, SNAP11A	CP096A	94	A
COMPASS	SX7	X2+B4	CP096A	95	A
COMPASS	SNAP11A	NZ	CP096A	96	A
		B2, SNAP8			
		IF WORD COUNT NOT EXHAUSTED			
COMPASS	SA1	SNAPPTR	CMP14	333	A
COMPASS	SA1	X1	CMP14	334	A
COMPASS	SX7	A1	CMP14	335	A
COMPASS	SNAP12	PL	CMP14	336	A
COMPASS	WRITER	D, RECALL	CMP14	337	I
-CMP30					
COMPASS	WEOR	D	CMP30	1387	A
COMPASS	CHECK	D	CMP30	1388	A
COMPASS	MX0	42	CMP14	338	A
		RESTORE REGISTERS			
COMPASS	SB7	-6	CMP14	339	A
COMPASS	SB6	B0	CMP14	340	A
COMPASS	SNAP13	SX6	CMP14	341	A
		610B+B7			
COMPASS	SX7	X6+B1	CMP14	342	A
COMPASS	LX6	30	CMP14	343	A
COMPASS	BX6	X7+X6	CMP14	344	A
COMPASS	LX6	21	CMP14	345	A
COMPASS	SA1	SNB+8+B7	CMP14	346	A
COMPASS	SA2	A1+B1	CMP14	347	A
COMPASS	BX1	-X0*X1	CMP14	348	A
COMPASS	BX2	-X0*X2	CMP14	349	A
COMPASS	LX1	30	CMP14	350	A
COMPASS	BX1	X1+X2	CMP14	351	A
COMPASS	BX6	X6+X1	CMP14	352	A
COMPASS	SA6	SNR+B6	CMP14	353	A
COMPASS	SB6	B6+B1	CMP14	354	A
COMPASS	SB7	B7+2	CMP14	355	A
COMPASS	NG	B7, SNAP13	CMP14	356	A
COMPASS	SA1	SNA	CMP14	357	A
COMPASS	BX2	-X0*X1	CMP14	358	A
COMPASS	SA3	SNPROT	CMP14	359	A
COMPASS	LX2	30	CMP14	360	A
COMPASS	BX6	X3+X2	CMP14	361	A
COMPASS	SA6	A6+B1	CMP14	362	A
COMPASS	SA1	SNA+6	CMP14	363	A
COMPASS	SA2	A1+B1	CMP14	364	A
COMPASS	SA1	X1	CMP14	365	A
COMPASS	SA2	X2	CMP14	366	A
COMPASS	BX6	X1	CMP14	367	A
COMPASS	LX7	X2	CMP14	368	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS		LX1	50		CMP14	421	A
COMPASS		PX1	X1,B2		CMP14	422	A
COMPASS		SB1	1		CMP14	423	A
COMPASS	SNR	SB2	A0+**		CMP14	424	A
COMPASS		SB3	A0+**		CMP14	425	A
COMPASS		SB4	A0+**		CMP14	426	A
COMPASS		SB5	A0+**		CMP14	427	A
COMPASS		SB6	A0+**		CMP14	428	A
COMPASS		SB7	A0+**		CMP14	429	A
COMPASS		SA0	A0+**		CMP14	430	A
COMPASS		EQ	SNINST	GO EXECUTE REPLACED INSTRUCTION WORD	CMP14	431	A
COMPASS	SNPROT	SA0	A0+0		CMP14	432	A
COMPASS		EQ	SNINST		CMP14	433	A
COMPASS	SCHAR	SPACE	4		CMP14	434	A
COMPASS	**	SCHAR	- STORE CHARACTER STRING.		CMP14	435	A
COMPASS	*	ENTRY	(X1) = CHARACTER STRING LEFT JUSTIFIED.		CMP14	436	A
COMPASS	*		(B5) = NUMBER OF CHARACTERS.		CMP14	437	A
COMPASS					CMP14	438	A
COMPASS					CMP14	439	A
COMPASS	SCHAR1	LX1	6		CMP14	440	A
COMPASS		BX5	-X2*X1		CMP14	441	A
COMPASS		NZ	X5,SCHAR2		CMP14	442	A
COMPASS		SX5	1R		CMP14	443	A
COMPASS	SCHAR2	RJ	SNSCH		CMP14	444	A
COMPASS		SB5	B5-B1		CMP14	445	A
COMPASS		NZ	B5,SCHAR1		CMP14	446	A
COMPASS	SCHAR	PS	RETURN EXIT		CMP14	447	A
COMPASS		MX2	-6		CMP14	448	A
COMPASS		EQ	SCHAR1		CMP14	449	A
COMPASS	SNUMB	SPACE	4		CMP14	450	A
COMPASS	**	SNUMB	- STORE NUMBER.		CMP14	451	A
COMPASS	*	ENTRY	(X1) = BINARY NUMBER LEFT JUSTIFIED.		CMP14	452	A
COMPASS	*		(B5) = NUMBER OF OCTAL DIGITS.		CMP14	453	A
COMPASS					CMP14	454	A
COMPASS					CMP14	455	A
COMPASS	SNUMB1	LX1	3		CMP14	456	A
COMPASS		BX3	-X2*X1		CMP14	457	A
COMPASS		SX5	X3+1R0		CMP14	458	A
COMPASS		RJ	SNSCH		CMP14	459	A
COMPASS		SB5	B5-B1		CMP14	460	A
COMPASS		NZ	B5,SNUMB1		CMP14	461	A
COMPASS	SNUMB	PS	RETURN EXIT		CMP14	462	A
COMPASS		MX2	-3		CMP14	463	A
COMPASS		EQ	SNUMB1		CMP14	464	A
COMPASS	SNWLIN	SPACE	4		CMP14	465	A
COMPASS	**	SNWLIN	- WRITE END OF LINE.		CMP14	466	A
COMPASS	*	ENTRY	(X0) = CURRENT WORD.		CMP14	467	A
COMPASS	*		(B7) = NUMBER OF CHARACTERS IN X0.		CMP14	468	A
COMPASS	*		(A0) = NUMBER OF WORDS IN LINE, NOT COUNTING (X0).		CMP14	469	A
COMPASS	*	EXIT	X0, B7, A0 = 0.		CMP14	470	A
COMPASS					CMP14	471	A
COMPASS					CMP14	472	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SNWLIN	PS	RETURN EXIT	CMP14	473	A
COMPASS				CMP30	1389	A
COMPASS	RM	IFEQ	CP#RM,0	CMP30	1390	A
COMPASS				CMP30	1391	A
COMPASS		SB5	8	CMP14	474	A
COMPASS		EQ	B7,B5,SNWLIN2	CMP14	475	A
COMPASS	SNWLIN1	SX5	1R	CMP14	476	A
COMPASS		RJ	SNSCH	CMP14	477	A
COMPASS		NE	B7,B5,SNWLIN1	CMP14	478	A
COMPASS	SNWLIN2	LX0	12	CMP14	479	A
COMPASS		SB6	SNLINE	CMP14	480	A
COMPASS		BX6	X0	CMP14	481	A
COMPASS		SB7	A0+B1	CMP14	482	A
COMPASS		SA6	B6+A0	CMP14	483	A
COMPASS		WRITEW	D,B6,B7 WRITE LINE	CMP14	484	A
COMPASS				CMP30	1392	A
COMPASS	RM	ELSE		CMP30	1393	A
COMPASS				CMP30	1394	A
COMPASS		ZR	B7,SNWLIN2	CMP30	1395	I
COMPASS	-CP096A					
COMPASS	SNWLIN1	SX5	1R	CMP30	1396	I
COMPASS	-CP096A					
COMPASS		RJ	SNSCH	CMP30	1397	I
COMPASS	-CP096A					
COMPASS		NZ	B7,SNWLIN1	CMP30	1398	I
COMPASS	-CP096A					
COMPASS	SNWLIN2	SX5	A0	CMP30	1399	I
COMPASS	-CP096A					
COMPASS		IX6	X5+X5	CMP30	1400	I
COMPASS	-CP096A					
COMPASS		LX5	3	CMP30	1401	I
COMPASS	-CP096A					
COMPASS		IX5	X5+X6 CHARACTER LENGTH	CMP30	1402	I
COMPASS	-CP096A					
COMPASS		SX5	A0	CP096A	97	A
COMPASS		ZR	B7,SNWLIN1 IF AT END OF WORD	CP096A	98	A
COMPASS		SB5	-B7	CP096A	99	A
COMPASS		SB5	10+B5 LEFT JUSTIFY CHARACTERS	CP096A	100	A
COMPASS		SX6	B5+B5 AND STORE LAST WORD	CP096A	101	A
COMPASS		SB5	X6+B5	CP096A	102	A
COMPASS		SB5	B5+B5	CP096A	103	A
COMPASS		LX6	X0,B5	CP096A	104	A
COMPASS		SA6	SNLINE+A0	CP096A	105	A
COMPASS	SNWLIN1	IX6	X5+X5 COMPUTE LINE LENGTH IN CHARACTERS	CP096A	106	A
COMPASS		LX5	3	CP096A	107	A
COMPASS		IX5	X5+X6	CP096A	108	A
COMPASS		SX5	X5+B7	CP096A	109	A
COMPASS		PUT	D,SNLINE,X5 WRITE LINE	CMP30	1403	A
COMPASS				CMP30	1404	A
COMPASS	RM	ENDIF		CMP30	1405	A
COMPASS				CMP30	1406	A
COMPASS		SA0	B0	CMP14	485	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SB7	B0		CMP14	486	A
COMPASS	MX0	0		CMP14	487	A
COMPASS	EQ	SNWLIN		CMP14	488	A
COMPASS	SNSCH	SPACE	4	CMP14	489	A
COMPASS	**	SNSCH	- STORE CHARACTER, DUMP BUFFER WHEN FULL.	CMP14	490	I
-CMP26						
COMPASS	**	SNSCH	- STORE SINGLE CHARACTER.	CMP26	11	A
COMPASS	*	ENTRY	(X0) = CURRENT WORD.	CMP14	491	A
COMPASS	*		(X5) = CHARACTER RIGHT JUSTIFIED WITH 00 FILL.	CMP14	492	A
COMPASS	*		(B7) = NUMBER OF CHARACTERS IN X0.	CMP14	493	A
COMPASS	*		(A0) = NUMBER OF WORDS IN LINE NOT COUNTING (X0).	CMP14	494	A
COMPASS	*	EXIT	(X0) = NEW CURRENT WORD.	CMP14	495	A
COMPASS	*		(B7) = UPDATED CHARACTER COUNT.	CMP14	496	A
COMPASS	*		(A0) = UPDATED WORD COUNT.	CMP14	497	A
COMPASS				CMP14	498	A
COMPASS				CMP14	499	A
COMPASS	SNSCH1	SB7	B7+10	CMP14	500	A
COMPASS	SNSCH	PS	RETURN EXIT	CMP14	501	A
COMPASS		LX0	6	CMP14	502	A
COMPASS		SB7	B7-9	CMP14	503	A
COMPASS		BX0	X5+X0	CMP14	504	A
COMPASS		NZ	B7,SNSCH1	CMP14	505	A
COMPASS		BX6	X0	CMP14	506	A
COMPASS		MX0	0	CMP14	507	A
COMPASS		SA6	SNLINE+A0	CMP14	508	A
COMPASS		SA0	A0+B1	CMP14	509	A
COMPASS		EQ	SNSCH	CMP14	510	A
COMPASS				CP096A	110	A
COMPASS				CP096A	111	A
COMPASS	SNLCM	BSSZ	5	CP096A	112	A
COMPASS	COMCCIO	SPACE	4	CMP14	511	I
-CMP30						
COMPASS	**		COMMON DECKS USED ONLY BY SNAPSHOT ROUTINES.	CMP14	512	I
-CMP30						
COMPASS				CMP14	513	I
-CMP30						
COMPASS				CMP14	514	I
-CMP029	-CMP30					
COMPASS	QUAL\$	SET	DEBUG	CMP14	515	I
-CMP029	-CMP30					
COMPASS				CMP14	516	I
-CMP029	-CMP30					
COMPASS				CMP14	517	I
-CMP30						
COMPASS	*CALL COMCCIO			CMP14	518	I
-CMP30						
COMPASS	*CALL COMCSYS			CMP14	519	I
-CMP30						
COMPASS	*CALL COMCWTW			CMP14	520	I
-CMP30						
COMPASS				CMP14	521	A
COMPASS				CMP14	522	A
0	1	2	3	4	5	6
123456789012345678901234567890123456789012345678901234567890						

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	QUAL	*			CMP14	523	A
COMPASS	DEBUG	ENDIF			CMP14	524	A
COMPASS	ACL	TITLE	COMMON AND UTILITY SUBROUTINES.		COMPASS	1639	A
COMPASS	**	ACL -	ADJUST LOW CORE LIMIT OF TABLES.		COMPASS	1640	A
COMPASS	*	ENTRY	(X1) = NEW LOW LIMIT.		COMPASS	1641	A
COMPASS					COMPASS	1642	A
COMPASS					COMPASS	1643	A
COMPASS	ACL	PS	RETURN EXIT		COMPASS	1644	A
COMPASS		SA2	LOCORE		COMPASS	1645	A
COMPASS		IX6	X2-X1		COMPASS	1646	A
COMPASS		PL	X6,ACL1	IF NEW LOW LIMIT IS LOWER	COMPASS	1647	A
COMPASS		BX1	-X6		COMPASS	1648	A
COMPASS		SA6	ACLA		COMPASS	1649	A
COMPASS		MANAGE	MEMORY,X1	AUGMENT MEMORY BY REQUIRED AMOUNT	COMPASS	1650	A
COMPASS		SA2	ACLA		COMPASS	1651	A
COMPASS		IX6	X3+X2	REMOVE EXCESS ALLOCATION	COMPASS	1652	A
COMPASS		SA6	A3		COMPASS	1653	A
COMPASS		SA1	LOCORE		COMPASS	1654	A
COMPASS		SA4	FIELDL		COMPASS	1655	I
-CMP30							
COMPASS		SA4	CP.NFLS		CMP30	1407	A
COMPASS		IX6	X1-X2		COMPASS	1656	A
COMPASS		SX0	X4-10		COMPASS	1657	A
COMPASS		IX7	X0-X6		COMPASS	1658	A
COMPASS		SA6	A1		COMPASS	1659	A
COMPASS		SA7	SIZCORE		COMPASS	1660	A
COMPASS		RJ	MTU	PACK TABLES UP	COMPASS	1661	A
COMPASS		EQ	ACL	RETURN	COMPASS	1662	A
COMPASS					COMPASS	1663	A
COMPASS	ACL1	SA3	SIZCORE	ADJUST CORE DESCRIPTORS	COMPASS	1664	A
COMPASS		IX7	X3+X6	AUGMENT CORE SIZE	COMPASS	1665	A
COMPASS		BX6	X1	RESET LOW CORE ADDRESS	COMPASS	1666	A
COMPASS		SA7	A3		COMPASS	1667	A
COMPASS		SA6	A2		COMPASS	1668	A
COMPASS		EQ	ACL	RETURN	COMPASS	1669	A
COMPASS					COMPASS	1670	A
COMPASS	ACLA	DATA	0	NEW LOW LIMIT	COMPASS	1671	A
COMPASS	ADDWORD	SPACE	4		COMPASS	1672	A
COMPASS	**	ADDWORD	-	ADD ONE WORD TO END OF MANAGED TABLE.	COMPASS	1673	A
COMPASS	*	ENTRY	(X1) =	DATUM.	COMPASS	1674	A
COMPASS	*		(A0) =	TABLE INDEX.	COMPASS	1675	A
COMPASS	*	MACRO	FORM	ADDWORD TABNAM ALSO AVAILABLE.	COMPASS	1676	A
COMPASS	*	EXIT	(X1) =	DATUM.	COMPASS	1677	A
COMPASS	*	EXIT	(X6) =	DATUM.	COMPASS	1678	A
COMPASS					COMPASS	1679	A
COMPASS					COMPASS	1680	A
COMPASS	ADDWORD1	SA6	ADDWORDT		COMPASS	1681	A
COMPASS		RJ	ALC		COMPASS	1682	A
COMPASS		IX3	X2+X3		COMPASS	1683	A
COMPASS		SA1	ADDWORDT		COMPASS	1684	A
COMPASS		BX6	X1		COMPASS	1685	A
COMPASS		SA6	X3-1		COMPASS	1686	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	COMPASS	1687	A
COMPASS	COMPASS	1688	A
COMPASS	COMPASS	1689	A
COMPASS	COMPASS	1690	A
COMPASS	COMPASS	1691	A
COMPASS	COMPASS	1692	A
COMPASS	COMPASS	1693	A
COMPASS	COMPASS	1694	A
COMPASS	COMPASS	1695	A
COMPASS	COMPASS	1696	A
COMPASS	COMPASS	1697	A
COMPASS	COMPASS	1698	A
COMPASS	COMPASS	1699	A
COMPASS	COMPASS	1700	A
COMPASS	COMPASS	1701	A
COMPASS	COMPASS	1702	A
COMPASS	COMPASS	1703	A
COMPASS	COMPASS	1704	A
COMPASS	COMPASS	1705	A
COMPASS	COMPASS	1706	A
COMPASS	COMPASS	1707	A
COMPASS	COMPASS	1708	A
COMPASS	COMPASS	1709	A
COMPASS	COMPASS	1710	A
COMPASS	COMPASS	1711	A
COMPASS	COMPASS	1712	A
COMPASS	COMPASS	1713	A
COMPASS	COMPASS	1714	A
COMPASS	COMPASS	1715	A
COMPASS	COMPASS	1716	A
COMPASS	COMPASS	1717	I
-CMP30			
COMPASS	CMP30	1408	A
COMPASS	CMP30	1409	A
COMPASS	COMPASS	1718	A
COMPASS	COMPASS	1719	A
COMPASS	COMPASS	1720	A
COMPASS	COMPASS	1721	A
COMPASS	COMPASS	1722	A
COMPASS	COMPASS	1723	A
COMPASS	COMPASS	1724	A
COMPASS	COMPASS	1725	A
COMPASS	COMPASS	1726	A
COMPASS	COMPASS	1727	A
COMPASS	COMPASS	1728	A
COMPASS	COMPASS	1729	A
COMPASS	COMPASS	1730	A
COMPASS	COMPASS	1731	A
COMPASS	COMPASS	1732	A
COMPASS	COMPASS	1733	I
-CPSA125			
COMPASS	COMPASS	1734	I
0	1	2	3
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPSA125

1	COMPASS					COMPASS	1735		I	1
2		-CPSA125								2
3	COMPASS	+	EQ	ALC5	PASS 3	COMPASS	1736		I	3
4		-CPSA125								4
5	COMPASS	+	SA3	/PASS2/REFIO	PASS2	COMPASS	1737		I	5
6		-CPSA125								6
7	COMPASS		ZR	X3,ALC4	IF REFERENCE TABLE IN CORE	COMPASS	1738		I	7
8		-CPSA125								8
9	COMPASS	+	SA3	INTERIO	PASS 1	COMPASS	1739		I	9
10		-CPSA125								10
11	COMPASS		ZR	X3,ALC4	IF INTERMEDIATE IN CORE	COMPASS	1740		I	11
12		-CPSA125								12
13	COMPASS	ALCA	EQ	ALC5	PASS 0	COMPASS	1741		I	13
14		-CPSA125								14
15	COMPASS					COMPASS	1742		I	15
16		-CPSA125								16
17	COMPASS		SA2	LSTTHOU		CPSA125	8	A		17
18	COMPASS		SA4	INTERIO		CPSA251	8	A		18
19	COMPASS		ZR	X2,ALC4	IF NOT USING UP LAST 1000B WORDS	CPSA125	9	A		19
20	COMPASS		IX2	X0-X1	ELSE SPACE AVAILABLE-SPACE REQUESTED	CPSA125	10		I	20
21		-CPS243								21
22	COMPASS		PL	X2,ALC5	IF ENOUGH SPACE FOR THE ENTRY	CPSA125	11		I	22
23		-CPS243								23
24	COMPASS		PL	X0,ALC5	ENOUGH SPACE FOR ENTRY	CPS243	5	A		24
25	COMPASS		JP	ALCAA+B7	ELSE B7 = -PASS	CPSA125	12	A		25
26	COMPASS					CPSA125	13	A		26
27	COMPASS	+	EQ	ALC18	PASS 3 - GET RID OF REFERENCES	CPSA125	14	A		27
28	COMPASS	+	EQ	ALC13	PASS 2 - TABLE OVERFLOW MESSAGE	CPSA125	15		I	28
29		-CPSA251								29
30	COMPASS	+	EQ	ALC17	PASS 1 - TABLE OVERFLOW MESSAGE	CPSA125	16		I	30
31		-CPSA251								31
32	COMPASS	+	ZR	X4,ALC10A		CPSA251	9	A		32
33	COMPASS		EQ	ALC13	PASS 2 - TABLE OVERFLOW MESSAGE	CPSA251	10	A		33
34	COMPASS	+	ZR	X4,ALC10A		CPSA251	11	A		34
35	COMPASS		EQ	ALC17	PASS 1 - TABLE OVERFLOW MESSAGE	CPSA251	12	A		35
36	COMPASS	ALCAA	EQ	LST7A	PASS 0 - INSUFF. FL FOR SYSTEM TEXT MESSAGE	CPSA125	17	A		36
37	COMPASS					CPSA125	18	A		37
38	COMPASS	ALC4	SX3	X0-1000B		COMPASS	1743	A		38
39	COMPASS		NG	X3,ALC10	IF < 1000 WORDS LEFT	COMPASS	1744	A		39
40	COMPASS	ALC5	SB6	X1	(B6) = REQUESTED LENGTH	COMPASS	1745	A		40
41	COMPASS		SB5	X0	(B5) = SPACE AVAILABLE	COMPASS	1746	A		41
42	COMPASS		RJ	MTD	MOVE TABLES DOWN TO LOW CORE	COMPASS	1747	A		42
43	COMPASS		SB3	ORIGINS	RE-ALLOCATE UPWARDS	COMPASS	1748	A		43
44	COMPASS		SA3	SIZES+A0	INCREMENT SIZE	COMPASS	1749	A		44
45	COMPASS		SX6	X3+B6		COMPASS	1750	A		45
46	COMPASS		SA6	A3		COMPASS	1751	A		46
47	COMPASS		SA1	LOCORE		COMPASS	1752	A		47
48	COMPASS		SA2	SIZCORE		COMPASS	1753	A		48
49	COMPASS		IX0	X1+X2	X0 = LWA+1 OF CORE	COMPASS	1754	A		49
50	COMPASS		SB6	B2-B1		COMPASS	1755	A		50
51	COMPASS	ALC6	SB6	B6-B1	DECREMENT TABLE POINTER	COMPASS	1756	A		51

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

1	COMPASS	+	EQ	ALC18	PASS 3	COMPASS	1799	I	1		
2	COMPASS	-CPSA125							2		
3	COMPASS	+	EQ	ALC10B	PASS 3 - TRY TO GET MORE FL	CPSA125	19	A	3		
4	COMPASS	+	ZR	X4,ALC14	PASS 2 - IF INTERMEDIATE IN CORE	COMPASS	1800	A	4		
5	COMPASS		EQ	ALC11		COMPASS	1801	A	5		
6	COMPASS	+	ZR	X4,ALC14	PASS 1 - IF INTERMEDIATE IN CORE	COMPASS	1802	A	6		
7	COMPASS		EQ	ALC17		COMPASS	1803	I	7		
8	COMPASS	-CPSA125							8		
9	COMPASS	ALCB	MESSAGE (=C* INSUFFICIENT STORAGE FOR SYSTEMS TEXT.*)			COMPASS	1804	I	9		
10	COMPASS	-CMP30	-CPSA125						10		
11	COMPASS		EQ	ABORT		COMPASS	1805	I	11		
12	COMPASS	-CMP30	-CPSA125						12		
13	COMPASS	ALCB	EQ	LST7A	PASS 0	CMP30	1410	I	13		
14	COMPASS	-CPSA125							14		
15	COMPASS	ALCB	EQ	ALC10B	PASS 0 - TRY TO GET MORE FL	CPSA125	20	A	15		
16	COMPASS					COMPASS	1806	A	16		
17	COMPASS	ALC10B	SA1	ALCC+1	GET REQUESTED TABLE INCREASE	CPSA125	21	A	17		
18	COMPASS		RJ	RFL	MAKE LAST ATTEMPT TO GET MORE FL.	CPSA125	22	A	18		
19	COMPASS		EQ	ALC15	LSTTHOU.NE.0 INDICATES FAILURE OF REQUEST	CPSA125	23	A	19		
20	COMPASS	*	PASS 2 OVERFLOW.			CPSA125	24	A	20		
21	COMPASS					COMPASS	1807	A	21		
22	COMPASS					COMPASS	1808	A	22		
23	COMPASS	ALC11	SA1	L.COMTAB	CHECK IF TABLES CAN BE SHRUNK	COMPASS	1809	I	23		
24	COMPASS	-CPS005	SA2	L.LNKTAB		COMPASS	1810	I	24		
25	COMPASS	-CPS005	IX1	X2+X1		COMPASS	1811	I	25		
26	COMPASS	-CPS005	SA4	L.EXTAB		COMPASS	1812	I	26		
27	COMPASS	-CPS005	IX2	X1-X4		COMPASS	1813	I	27		
28	COMPASS	-CPS005	ZR	X2,ALC12	IF NO ROOM TO BUY	COMPASS	1814	I	28		
29	COMPASS	-CPS005	ZR	X1,ALC12		CMP30	1411	I	29		
30	COMPASS	-CPS005	RJ	/PASS2/DLAST STRIP THOSE TABLES		COMPASS	1815	I	30		
31	COMPASS	-CPS005	SA2	L.COMTAB	TRY DUMPING COMMON AND EXTERNAL	S005	7	CPS005	1	A	31
32	COMPASS	ALC11	SA3	L.LNKTAB	LINKAGE TABLES TO BINARY OUTPUT	S005	8	CPS005	2	A	32
33	COMPASS		SA4	L.EXTAB		S005	9	CPS005	3	A	33
34	COMPASS		SB2	X2		S005	10	CPS005	4	A	34
35	COMPASS		GT	B2,B1,ALC11A	IF COMMON TABLE NOT EMPTY	S005	11	CPS005	5	A	35
36	COMPASS		SB3	X3		S005	12	CPS005	6	A	36
37	COMPASS		SB4	X4+B1		S005	13	CPS005	7	A	37
38	COMPASS		LE	B3,B4,ALC12	IF NO EXTERNAL LINKAGES	S005	14	CPS005	8	A	38
39	COMPASS	ALC11A	RJ	/PASS2/DLAST STRIP THOSE TABLES		S005	15	CPS005	9	A	39
40	COMPASS		EQ	ALC15	AND TRY AGAIN	COMPASS	1816	A			40
41	COMPASS					CPSA125	25	A			41
42	COMPASS	ALC12	SA1	L.REFTAB	TRY TO DUMP REFERENCES TO DISK	COMPASS	1817	A			42
43	COMPASS		IX7	X1+X0		COMPASS	1818	I			43
44	COMPASS	-CPSA125									44
45	0	1	2	3	4	5	6	7	8		45
46	1234567890123456789012345678901234567890123456789012345678901234567890										46
47											47
48											48
49											49
50											50
51											51
52											52
53											53
54											54

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	NG	X7,ALC13	IF NOT ENOUGH ROOM	COMPASS	1819	I
-CPSA125						
COMPASS	ZR	X1,ALC10B	IF NO REFERENCES TRY TO GET MORE FL.	CPSA125	26	A
COMPASS	SA2	O.REFTAB		COMPASS	1820	A
COMPASS				CMP30	1412	A
COMPASS	RM	IFEQ	CP#RM,0	CMP30	1413	A
COMPASS		WRITEW	R,X2,X1	COMPASS	1821	A
COMPASS	RM	ELSE		CMP30	1414	A
COMPASS		FETCH	R,OC,X3	CMP30	1415	A
COMPASS		SX6	X3-#YES#	CMP30	1416	A
COMPASS		ZR	X6,ALC12A	CMP30	1417	A
COMPASS		OPENM	R,I-0,R	CMP30	1418	A
COMPASS		SA1	L.REFTAB	CMP30	1419	A
COMPASS		SA2	O.REFTAB	CMP30	1420	A
COMPASS	ALC12A	IX3	X1+X1	CMP30	1421	A
COMPASS		LX1	3	CMP30	1422	A
COMPASS		IX7	X1+X3	CMP30	1423	A
COMPASS		PUTP	R,X2,X7	CMP30	1424	A
COMPASS	RM	ENDIF	DUMP REFERENCES	CMP30	1425	A
COMPASS				CMP30	1426	A
COMPASS		SX6	B1	COMPASS	1822	A
COMPASS		MX7	0	COMPASS	1823	A
COMPASS		SA6	/PASS2/REFIO	COMPASS	1824	A
COMPASS		SA7	L.REFTAB	COMPASS	1825	A
COMPASS		EQ	ALC15	COMPASS	1826	A
COMPASS				COMPASS	1827	A
COMPASS	ALC13	MESSAGE (=C* TABLE OVERFLOW IN PASS 2.*)		COMPASS	1828	I
-CMP30						
COMPASS	ABORT	ABORT		COMPASS	1829	I
-CMP30						
COMPASS	ALC13	SA1	=10HPASS 2 TAB	CMP30	1427	A
COMPASS		BX6	X1	CMP30	1428	A
COMPASS		SA6	ASMK	CMP30	1429	A
COMPASS		EQ	ALC17	CMP30	1430	A
COMPASS				COMPASS	1830	A
COMPASS	*	DUMP INTERMEDIATE TO DISK.		COMPASS	1831	A
COMPASS				COMPASS	1832	A
COMPASS	ALC14	SX2	S	COMPASS	1833	I
-CMP30						
COMPASS		SA1	O.INTER	COMPASS	1834	I
-CMP30						
COMPASS	ALC14	SA1	O.INTER	CMP30	1431	I
-CPS135						
COMPASS		SA3	L.INTER	COMPASS	1835	I
-CPS135						
COMPASS	ALC14	BSS	0	CPS135	4	A
COMPASS				CMP30	1432	A
COMPASS	RM	IFEQ	CP#RM,0	CMP30	1433	A
COMPASS				CMP30	1434	A
COMPASS		SX2	S	CPS135	5	A
COMPASS		RECALL	X2	CPS135	6	A
COMPASS		SX2	S	CPSA116	5	A
0	1	2	3	4	5	6
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	REWIND	X2,R	INSURE FILE IS POSITIONED AT BOI.	CPSA116	6	A
COMPASS	SA1	O.INTER	ORIGIN OF INTERMEDIATE TABLE	CPS135	7	A
COMPASS	SA3	L.INTER	ITS LENGTH	CPS135	8	A
COMPASS	MX6	0		COMPASS	1836	A
COMPASS	SX7	B1		COMPASS	1837	A
COMPASS	SA6	A3	ZERO LENGTH OF INTERMEDIATE	COMPASS	1838	A
COMPASS	SA7	A4	SET INTERMEDIATE FLAG	COMPASS	1839	A
COMPASS	SX0	B7+B1		COMPASS	1840	A
COMPASS	SX2	S		CMP30	1435	A
COMPASS	WRITEW	X2,X1,X3		COMPASS	1841	A
COMPASS	NZ	X0,ALC16	IF PASS 2	COMPASS	1842	I
-CMP30						
COMPASS	ZR	X0,ALC15	IF PASS 1	CMP30	1436	A
COMPASS	WRITER	X2		CMP30	1437	A
COMPASS	REWIND	X2		CMP30	1438	A
COMPASS	READ	X2		CMP30	1439	A
COMPASS				CMP30	1440	A
COMPASS	RM	ELSE		CMP30	1441	A
COMPASS				CMP30	1442	A
COMPASS	FETCH	S,OC,X2		CMP30	1443	A
COMPASS	SX6	X2-#YES#		CMP30	1444	A
COMPASS	ZR	X6,ALC14A	IF FILE IS ALREADY OPEN	CMP30	1445	A
COMPASS	OPENM	S,I-O,R		CMP30	1446	A
COMPASS	SA1	O.INTER		CMP30	1447	I
-CPS135						
COMPASS	SA3	L.INTER		CMP30	1448	I
-CPS135						
COMPASS	SA4	INTERIO		CMP30	1449	I
-CPS135						
COMPASS	ALC14A	MX6	0	CMP30	1450	I
-CPS135						
COMPASS	ALC14A	SA1	O.INTER	CPS135	9	A
COMPASS		SA3	L.INTER	CPS135	10	A
COMPASS		SX2	S	CPSA116	7	A
COMPASS	REWINDM	X2,R	INSURE FILE IS POSITIONED AT BOI.	CPSA116	8	A
COMPASS	MX6	0		CPS135	11	A
COMPASS	SX7	B1		CMP30	1451	A
COMPASS	SA6	A3	ZERO LENGTH OF INTERMEDIATE	CMP30	1452	A
COMPASS	SA7	A4	SET INTERMEDIATE FLAG	CMP30	1453	I
-CPS135						
COMPASS	IX4	X3+X3		CMP30	1454	A
COMPASS	LX3	3		CMP30	1455	A
COMPASS	SA7	INTERIO	SET INTERMEDIATE FLAG	CPS135	12	A
COMPASS	IX3	X3+X4		CMP30	1456	A
COMPASS	PUT	S,X1,X3		CMP30	1457	A
COMPASS	SA3	PASS		CMP30	1458	A
COMPASS	SB7	X3		CMP30	1459	A
COMPASS	EQ	B7,B1,ALC15	IF PASS 1	CMP30	1460	A
COMPASS	PUT	S,BLANKS,10	JUNK WORD FOR RINTER READ AHEAD	CMP30	1461	A
COMPASS	REWINDM	S		CMP30	1462	A
COMPASS				CMP30	1463	A
COMPASS	RM	ENDIF		CMP30	1464	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS								CMP30	1465	A	
COMPASS	ALC15	SA2	ALCC	RESTORE ENTRY VALUES				COMPASS	1843	A	
COMPASS		SA1	A2+B1					COMPASS	1844	A	
COMPASS		SA0	X2					COMPASS	1845	A	
COMPASS		EQ	ALC1	AND TRY AGAIN				COMPASS	1846	A	
COMPASS								COMPASS	1847		I
	-CMP30										
COMPASS	*			PASS 2 INTERMEDIATE OVERFLOW.				COMPASS	1848		I
	-CMP30										
COMPASS								COMPASS	1849		I
	-CMP30										
COMPASS	ALC16		WRITER X2					COMPASS	1850		I
	-CMP30										
COMPASS			REWIND X2					COMPASS	1851		I
	-CMP30										
COMPASS			READ X2					COMPASS	1852		I
	-CMP30										
COMPASS		EQ	ALC15	EXIT				COMPASS	1853		I
	-CMP30										
COMPASS								COMPASS	1854	A	
COMPASS	ALC17			MESSAGE (=C* TABLE OVERFLOW IN PASS 1.*)				COMPASS	1855		I
	-CMP30										
COMPASS		EQ	ABORT					COMPASS	1856		I
	-CMP30										
COMPASS	ALC17		MESSAGE ASMJ,,R	*ASSEMBLY ABORTED - PASS N TABLE*				CMP30	1466		I
	-F4810B										
COMPASS	ALC17	SA1	ALCC+1	GET NUMBER OF WORDS NEEDED	F4810B	F4810B			67		I
	-CPSA125										
COMPASS		RJ	RFL	MAKE MEMORY REQUEST	F4810B	F4810B			68		I
	-CPSA125										
COMPASS		NZ	X3,ALC15	IF REQUEST COMPLETED, RESTORE AND TRY AGAIN	F4810B	F4810B			69		I
	-CPSA125										
COMPASS	ALC17	BSS	0					CPSA125	27	A	
COMPASS		MESSAGE ASMJ,,R		*ASSEMBLY ABORTED - PASS N TABLE*	F4810B	F4810B			70	A	
		MESSAGE ASML,,R		*OVERFLOW ASSEMBLING XXXXXXXX*				CMP30	1467	A	
COMPASS		RJ	RPD	RESTORE DEFAULT PRINT DENSITY IF NECESSARY	F4810A	F4810A			107	A	
COMPASS		SA2	ALCC					CMP30	1468	A	
COMPASS		SA3	A2+B1					CMP30	1469	A	
COMPASS		ABORT	,NODUMP					CMP30	1470	A	
								COMPASS	1857	A	
COMPASS	*			PASS 3 OVERFLOW.				COMPASS	1858	A	
								COMPASS	1859	A	
COMPASS	ALC18	SX6	B0					COMPASS	1860		I
	-CMP042										
COMPASS		SA6	L.MEMORY					COMPASS	1861		I
	-CMP042										
COMPASS	ALC18	SA1	/PASS2/LOSTREF	UPDATE LOSTREF AND DISCARD MEMORY				CMP042	36	A	
COMPASS		SA2	L.MEMORY					CMP042	37	A	
COMPASS		IX6	X1+X2					CMP042	38	A	
COMPASS		SX7	B0					CMP042	39	A	
COMPASS		SA6	A1					CMP042	40	A	
COMPASS		SA7	A2					CMP042	41	A	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	EQ	ALC15	EXIT	COMPASS	1862	A
COMPASS				COMPASS	1863	A
COMPASS	ALCC	DATA 0,0	TEMPORARY STORAGE FOR OVERFLOW	COMPASS	1864	A
COMPASS	ASU	SPACE 4		COMPASS	1865	A
COMPASS	**	ASU - ACCUMULATE STORAGE USED.		COMPASS	1866	A
COMPASS	*	(A0) IS PRESERVED.		COMPASS	1867	A
COMPASS				COMPASS	1868	A
COMPASS				COMPASS	1869	A
COMPASS	ASU	PS	RETURN EXIT	COMPASS	1870	A
COMPASS		SB7	NTABLES-4	COMPASS	1871	A
COMPASS		SA3	LOCORE	COMPASS	1872	A
COMPASS		SA2	MAXCORE	COMPASS	1873	A
COMPASS		SA1	SIZES+1	COMPASS	1874	A
COMPASS	ASU1	SB7	B7-B1	COMPASS	1875	A
COMPASS		IX3	X3+X1	COMPASS	1876	A
COMPASS		SA1	A1+B1	COMPASS	1877	A
COMPASS		NZ	B7,ASU1	COMPASS	1878	A
COMPASS		SA1	A1+B1	COMPASS	1879	A
COMPASS		IX6	X3+X1	COMPASS	1880	A
COMPASS		IX2	X6-X2	COMPASS	1881	A
COMPASS		NG	X2,ASU	COMPASS	1882	A
COMPASS		SA6	A2	COMPASS	1883	A
COMPASS		EQ	ASU	COMPASS	1884	A
COMPASS	ATS	SPACE 4	RETURN	CMP042	42	A
COMPASS	**	ATS - ACCUMULATE TOTAL STORAGE USED.		CMP042	43	A
COMPASS				CMP042	44	A
COMPASS				CMP042	45	A
COMPASS	ATS	PS	RETURN EXIT	CMP042	46	A
COMPASS		SA1	MAXCORE	CMP042	47	A
COMPASS		SA2	MAXSCM	CMP042	48	I
-CMP30						
COMPASS		SA2	CP.MAXFL	CMP30	1471	A
COMPASS		IX3	X2-X1	CMP042	49	A
COMPASS		BX6	X1	CMP042	50	A
COMPASS		PL	X3,ATS1	IF OLD MAX \ NEW MAX	S028 297	CPS028 208
COMPASS		SA6	A2		S028 298	CPS028 209
COMPASS	ATS1	SA1	ALCM	ECS/LCM USED	S028 299	CPS028 210
COMPASS		SA2	BLCM		S028 300	CPS028 211
COMPASS		IX3	X2-X1		S028 301	CPS028 212
COMPASS		BX6	X1		S028 302	CPS028 213
COMPASS		PL	X3,ATS	IF OLD MAX \ NEW MAX	CMP042	51
COMPASS		SA6	A2		CMP042	52
COMPASS		EQ	ATS	RETURN	CMP042	53
COMPASS	CBC	SPACE 4			CMP30	1472
COMPASS	**	CBC - CHECK BASE CHARACTER.			CMP30	1473
COMPASS	*	ASSUMED NUMBER RADIX IS CHANGED TO THAT SPECIFIED.			CMP30	1474
COMPASS	*	ENTRY (X1) = CHARACTER OR ASTERISK OR BLANK.			CMP30	1475
COMPASS	*	EXIT (X1) = CHARACTER.			CMP30	1476
COMPASS	*	(X6) < 0 IF ERROR.			CMP30	1477
COMPASS					CMP30	1478
COMPASS					CMP30	1479
COMPASS	CBC	PS	RETURN EXIT		CMP30	1480
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SB7	X1-1R*			CMP30	1481	A
COMPASS	SA2	CBCA+2			CMP30	1482	A
COMPASS	SB6	X1-1R			CMP30	1483	A
COMPASS	ZR	B7,CBC3	IF ASTERISK		CMP30	1484	A
COMPASS	ZR	B6,CBC4	IF BLANK		CMP30	1485	A
COMPASS	SB7	3			CMP30	1486	A
COMPASS	CBC1	UX6,B6	X2	SEARCH LIST OF VALID BASE LETTERS	CMP30	1487	A
COMPASS	SB5	X1+B6			CMP30	1488	A
COMPASS	SB7	B7-B1			CMP30	1489	A
COMPASS	SA2	A2-B1			CMP30	1490	A
COMPASS	ZR	B5,CBC2	IF FOUND		CMP30	1491	A
COMPASS	NZ	B7,CBC1			CMP30	1492	A
COMPASS	SX7	B1	NOT FOUND, SET *A* ERROR AND RETURN		CMP30	1493	A
COMPASS	MX6	1			CMP30	1494	A
COMPASS	SA7	EFLG			CMP30	1495	A
COMPASS	SA7	AERR			CMP30	1496	A
COMPASS	EQ	CBC			CMP30	1497	A
COMPASS	CBC2	SA1	BASESTK		CMP30	1498	A
COMPASS	SA2	ABASE			CMP30	1499	A
COMPASS	SX7	X6			CMP30	1500	A
COMPASS	AX6	18			CMP30	1501	A
COMPASS	SA7	NBASE	STORE NEW RADICES		CMP30	1502	A
COMPASS	SA6	MBASE			CMP30	1503	A
COMPASS	SX7	B7			CMP30	1504	A
COMPASS	BX6	X2			CMP30	1505	A
COMPASS	SA7	A2			CMP30	1506	A
COMPASS	RJ	PUSH	PUSH DOWN BASE STACK		CMP30	1507	A
COMPASS	SA1	ABASE			CMP30	1508	A
COMPASS	SA2	CBCA+X1			CMP30	1509	A
COMPASS	UX6,B6	X2			CMP30	1510	A
COMPASS	SX1	-B6	RESTORE (X1)		CMP30	1511	A
COMPASS	EQ	CBC			CMP30	1512	A
COMPASS	CBC3	SA1	BASESTK		CMP30	1513	A
COMPASS	RJ	PULL	PUSH UP BASE STACK		CMP30	1514	A
COMPASS	SA2	CBCA+X6			CMP30	1515	A
COMPASS	UX7,B7	X2			CMP30	1516	A
COMPASS	SX1	-B7	(X1) = CHARACTER		CMP30	1517	A
COMPASS	SA6	ABASE			CMP30	1518	A
COMPASS	SX6	X7			CMP30	1519	A
COMPASS	AX7	18			CMP30	1520	A
COMPASS	SA6	NBASE	SET RADICES		CMP30	1521	A
COMPASS	SA7	MBASE			CMP30	1522	A
COMPASS	EQ	CBC	RETURN		CMP30	1523	A
COMPASS	CBC4	SA1	ABASE		CMP30	1524	A
COMPASS	SA2	CBCA+X1			CMP30	1525	A
COMPASS	UX6,B7	X2			CMP30	1526	A
COMPASS	SX1	-B7	(X1) = CURRENT BASE		CMP30	1527	A
COMPASS	EQ	CBC	RETURN		CMP30	1528	A
COMPASS					CMP30	1529	A
COMPASS	CBCA	VFD	2/0,10/-1RD,30/10,18/10	-CHAR, MBASE, NBASE	CMP30	1530	A
COMPASS		VFD	2/0,10/-1R0,30/8,18/8		CMP30	1531	A
COMPASS		VFD	2/0,10/-1RM,30/10,18/8		CMP30	1532	A

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9

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

1	COMPASS	-CMP30	CCCA	VFD	20/,8/18,8/0,8/6,8/12,8/	A D E I	COMPASS	1914		I
2		-CMP30								
3	COMPASS		SB7	X1-1R*			CMP30	1535	A	
4	COMPASS		SA2	CCCA+3			CMP30	1536		I
5		-CPS011								
6	COMPASS		SA2	CCCA+4			CPS011	3		I
7		-CPSA281								
8	COMPASS		SA2	CCCA+5			CPSA281	22	A	
9	COMPASS		SB6	X1-1R			CMP30	1537	A	
10	COMPASS		ZR	B7,CCC3	IF ASTERISK		CMP30	1538	A	
11	COMPASS		ZR	B6,CCC4	IF BLANK		CMP30	1539	A	
12	COMPASS		SB7	4			CMP30	1540		I
13		-CPS011								
14	COMPASS		SB7	5			CPS011	4		I
15		-CPSA281								
16	COMPASS		SB7	6			CPSA281	23	A	
17	COMPASS	CCC1	UX6,B6	X2	SEARCH LIST OF VALID CODE LETTERS		CMP30	1541	A	
18	COMPASS		SB5	X1+B6			CMP30	1542	A	
19	COMPASS		SB7	B7-B1			CMP30	1543	A	
20	COMPASS		SA2	A2-B1			CMP30	1544	A	
21	COMPASS		ZR	B5,CCC2	IF FOUND		CMP30	1545	A	
22	COMPASS		NZ	B7,CCC1			CMP30	1546	A	
23	COMPASS	CCC1A	BSS	0			CPSA281	24	A	
24	COMPASS		SX7	B1	NOT FOUND, SET *A* ERROR AND RETURN		CMP30	1547	A	
25	COMPASS		MX6	1			CMP30	1548	A	
26	COMPASS		SA7	EFLG			CMP30	1549	A	
27	COMPASS		SA7	AERR			CMP30	1550	A	
28	COMPASS		EQ	CCC			CMP30	1551	A	
29	COMPASS	CCC2	SA1	CODESTK			CMP30	1552		I
30		-CPSA281								
31	COMPASS	CCC2	SX1	B7-5			CPSA281	25	A	
32	COMPASS		NZ	X1,CCC2A	IF NOT CODE *N*		CPSA281	26		I
33		-CPSA293								
34	COMPASS		SA1	PPTYPE			CPSA281	27		I
35		-CPSA293								
36	COMPASS		SX1	X1+3			CPSA281	28		I
37		-CPSA293								
38	COMPASS		NZ	X1,CCC1A	IF NOT 180 PP ASSEMBLY - *N* NOT VALID		CPSA281	29		I
39		-CPSA293								
40	COMPASS	CCC2A	SA1	CODESTK			CPSA281	30		I
41		-CPSA293								
42	COMPASS		SA2	PPTYPE	(X2) = 0 IF 180 PP ASSEMBLY		CPSA293	14	A	
43	COMPASS		SX2	X2+3			CPSA293	15	A	
44	COMPASS		NZ	X1,CCC2A	IF NOT CODE *N*		CPSA293	16	A	
45	COMPASS		NZ	X2,CCC1A	*N* VALID FOR 180 PP ASSEMBLY ONLY		CPSA293	17	A	
46	COMPASS		SA3	/DATA/STCZ	SET FOR CHARACTER STORE OF 8-BIT/ASCII		CPSA293	18	A	
47	COMPASS		EQ	CCC2B			CPSA293	19	A	
48	COMPASS						CPSA293	20	A	
49	COMPASS	CCC2A	NZ	X2,CCC2C	IF NOT 180 PP ASSEMBLY		CPSA293	21	A	
50	COMPASS		SA3	/DATA/STCW	SET FOR CHARACTER STORE OF 6-BIT/NON-ASCII		CPSA293	22	A	
51	COMPASS	CCC2B	BX7	X3	SET CHARACTER STORE		CPSA293	23	A	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA7	/DATA/STC0	*** SAFE CODE-MODIFICATION ***	CPSA293	24	A
COMPASS	CCC2C	SA1	CODESTK	CPSA293	25	A
COMPASS		SA2	CT+1	CMP30	1553	A
COMPASS		SX7	B7	CMP30	1554	A
COMPASS		SA6	A2-B1	CMP30	1555	A
COMPASS		SA7	A2	CMP30	1556	A
COMPASS		BX6	X2	CMP30	1557	A
COMPASS		RJ	PUSH	CMP30	1558	A
COMPASS		SA1	CT+1	CMP30	1559	A
COMPASS		SA2	CCCA+X1	CMP30	1560	A
COMPASS		UX6,B6	X2	CMP30	1561	A
COMPASS		SX1	-B6	CMP30	1562	A
COMPASS		EQ	CCC	CMP30	1563	A
COMPASS	CCC3	SA1	CODESTK	CMP30	1564	A
COMPASS		RJ	PULL	CMP30	1565	A
COMPASS		SA2	CCCA+X6	CMP30	1566	A
COMPASS		UX7,B7	X2	CMP30	1567	A
COMPASS		SX1	-B7	CMP30	1568	A
COMPASS		SA6	CT+1	CMP30	1569	A
COMPASS		SA7	A6-B1	CMP30	1570	A
COMPASS		SA2	PPTYPE	CPSA293	26	A
COMPASS		SX2	X2+3	CPSA293	27	A
COMPASS		NZ	X2,CCC	CPSA293	28	A
COMPASS		SA3	/DATA/STCZ	CPSA293	29	A
COMPASS		SX7	X6-5	CPSA293	30	A
COMPASS		ZR	X7,CCC3A	CPSA293	31	A
COMPASS		SA3	/DATA/STCW	CPSA293	32	A
COMPASS	CCC3A	BX7	X3	CPSA293	33	A
COMPASS		SA7	/DATA/STC0	CPSA293	34	A
COMPASS		EQ	CCC	CMP30	1571	A
COMPASS	CCC4	SA1	CT+1	CMP30	1572	A
COMPASS		SA2	CCCA+X1	CMP30	1573	A
COMPASS		UX6,B7	X2	CMP30	1574	A
COMPASS		SX1	-B7	CMP30	1575	A
COMPASS		EQ	CCC	CMP30	1576	A
COMPASS			RETURN	CMP30	1577	A
COMPASS	CCCA	VFD	2/0,10/-1RD,48/0	CMP30	1578	I
COMPASS	-F4820					
COMPASS		VFD	2/0,10/-1RE,48/6	CMP30	1579	I
COMPASS	-F4820					
COMPASS		VFD	2/0,10/-1RI,48/12	CMP30	1580	I
COMPASS	-F4820					
COMPASS		VFD	2/0,10/-1RA,48/18	CMP30	1581	I
COMPASS	-F4820					
COMPASS		VFD	2/0,10/-1R0,48/24	CPS011	5	I
COMPASS	-F4820					
COMPASS	CCCA	VFD	2/0,10/-1RD,48/0	F4820	43	I
COMPASS	-CPSA281					
COMPASS		VFD	2/0,10/-1RE,48/12	F4820	44	I
COMPASS	-CPSA281					
COMPASS		VFD	2/0,10/-1RI,48/24	F4820	45	I
COMPASS	-CPSA281					
0	1	2	3	4	5	6
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	VFD	2/0,10/-1RA,48/36	F4820	46	I		
COMPASS	-CPSA281	VFD	2/0,10/-1R0,48/48	F4820	47	I	
COMPASS	-CPSA281						
COMPASS	CCCA	VFD	2/0,10/-1RD,48/0	-CHAR, CT VALUE	CPSA281	31	A
COMPASS		VFD	2/0,10/-1RE,48/9		CPSA281	32	A
COMPASS		VFD	2/0,10/-1RI,48/18		CPSA281	33	A
COMPASS		VFD	2/0,10/-1RA,48/27		CPSA281	34	A
COMPASS		VFD	2/0,10/-1R0,48/36		CPSA281	35	A
COMPASS		VFD	2/0,10/-1RN,48/45		CPSA281	36	A
COMPASS	CDEC	SPACE	4		COMPASS	1915	A
COMPASS	**	CDEC	- CONVERT DECIMAL NUMBER.		COMPASS	1916	A
COMPASS	*	ENTRY	(X1) = DECIMAL NUMBER.		COMPASS	1917	A
COMPASS	*	EXIT	(X6) = DISPLAY CODE FOR DECIMAL NUMBER.		COMPASS	1918	A
COMPASS					COMPASS	1919	A
COMPASS					COMPASS	1920	A
COMPASS	CDEC	PS	RETURN EXIT		COMPASS	1921	A
COMPASS		SA2	=0.1000000001P48		COMPASS	1922	I
COMPASS	-CPS188						
COMPASS		SA2	=0.10000000001P48		CPS188	5	A
COMPASS		SA3	=10.0P0		COMPASS	1923	A
COMPASS		SA4	=10H0000000000		COMPASS	1924	A
COMPASS		SB6	6		COMPASS	1925	A
COMPASS		PX1	X1		COMPASS	1926	A
COMPASS		SB7	X3		COMPASS	1927	A
COMPASS		BX6	X4		COMPASS	1928	A
COMPASS	CDC1	DX4	X1*X2		COMPASS	1929	A
COMPASS		FX1	X1*X2		COMPASS	1930	A
COMPASS		SB7	B7-B1		COMPASS	1931	A
COMPASS		FX5	X4*X3	CALCULATE REMAINDER	COMPASS	1932	A
COMPASS		SX0	X5		COMPASS	1933	A
COMPASS		IX6	X6+X0		COMPASS	1934	A
COMPASS		LX6	54		COMPASS	1935	A
COMPASS		NZ	B7,CDC1	LOOP	COMPASS	1936	A
COMPASS		EQ	CDEC	RETURN	COMPASS	1937	A
COMPASS	CIF	SPACE	4		CMP30	1582	A
COMPASS	**	CIF	- CHECK INPUT FORMAT.		CMP30	1583	A
COMPASS	*	ENTRY	(X2) = FET/FIT ADDRESS.		CMP30	1584	A
COMPASS	*		(A0) = FWA OF CARD BUFFER.		CMP30	1585	A
COMPASS	*	EXIT	(AMODE) = INPUT FILE FORMAT.		CMP30	1586	A
COMPASS	*		(CARD BUFFER) = FIRST CARD.		CMP30	1587	A
COMPASS	*		(EOFINP) " 0 IF NO DATA.		CMP30	1588	A
COMPASS	*	X2 AND A0	ARE PRESERVED.		CMP30	1589	A
COMPASS					CMP30	1590	A
COMPASS					CMP30	1591	A
COMPASS	CIF	PS	RETURN EXIT		CMP30	1592	A
COMPASS					CMP30	1593	A
COMPASS	RM	IFEQ	CP#RM,0		CMP30	1594	A
COMPASS					CMP30	1595	A
COMPASS		MX6	0		CMP30	1596	A
COMPASS		SA6	A0+10		CMP30	1597	A
COMPASS		RJ	/PASS1/RNC	READ FIRST CARD OR 7700 HEADER WORD	CMP30	1598	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA1	A0			CMP30	1599	A
COMPASS	LX1	6			CMP30	1600	A
COMPASS	SB7	X1-77B			CMP30	1601	A
COMPASS	LX1	18			CMP30	1602	A
COMPASS	NZ	B7,CIF	IF NOT COMPRESSED SOURCE INPUT		CMP30	1603	A
COMPASS	SB7	X1	(I.E., FIRST CHARACTER NOT 77B)		CMP30	1604	A
COMPASS	AX1	24			CMP30	1605	A
COMPASS	SX6	B1+B1	CP.IFORM = +2 (UPDATE)		CMP30	1606	A
COMPASS	ZR	B7,CIF1	IF WORD COUNT IN HEADER WORD IS ZERO		CMP30	1607	A
COMPASS	SX6	B1	CP.IFORM = +1 (MODIFY)		CMP30	1608	A
COMPASS	ZR	X1,CIF1	IF REMAINDER OF HEADER WORD IS ZERO		CP114	8	A
COMPASS	SX7	64B			CP114	9	A
COMPASS	LX7	24	CHECK FOR 0064B IN BITS 35-24		CP114	10	A
COMPASS	SX6	3	CP.IFORM = +3 (MODIFY 64-CHAR)		CP114	11	A
COMPASS	BX1	X1-X7			CP114	12	A
COMPASS	CIF1	NZ	X1,CIF	IF NOT COMPRESSED	CMP30	1609	A
COMPASS	SA6	CP.IFORM	SET INPUT FORMAT		CMP30	1610	A
COMPASS					CMP30	1611	A
COMPASS	RM	ELSE			CMP30	1612	A
COMPASS					CMP30	1613	A
COMPASS	MX6	0			CMP30	1614	A
COMPASS	SX7	A0			CMP30	1615	A
COMPASS	SA6	A0+10			CMP30	1616	A
COMPASS	SA7	T6RM1	SAVE FWA OF CARD BUFFER		CMP30	1617	A
COMPASS	SA0	X2			CMP30	1618	A
COMPASS	GETP	X2,X7,10	READ FIRST WORD		CMP30	1619	I
COMPASS	-CPS0094						
COMPASS	FETCH	X2,RT,X1	CHECK FOR RECORD TYPE Z		CPS0094	7	A
COMPASS	SB7	X1-3			CPS0094	8	A
COMPASS	ZR	B7,CIF4	IF RT=Z, INPUT IS NOT COMPRESSED		CPS0094	9	A
COMPASS	SX2	A0			CPS0094	10	A
COMPASS	SA1	T6RM1	FWA OF CARD BUFFER		CPS0094	11	A
COMPASS	GETP	X2,X1,10	READ FIRST WORD		CPS0094	12	A
COMPASS	SX2	A0			CMP30	1620	A
COMPASS	FETCH	X2,FP,X4			CMP30	1621	A
COMPASS	SX0	EOD			CMP30	1622	A
COMPASS	BX6	X0*X4			CMP30	1623	A
COMPASS	SA6	EOFINP			CMP30	1624	A
COMPASS	NZ	X6,CIF5	IF END OF DATA		CMP30	1625	A
COMPASS	+	ZR	X4,*+1	IF NOT END OF RECORD	CMP30	1626	A
COMPASS	SX4	1			CMP30	1627	A
COMPASS	SKIPBL	X2,X4	BACKSPACE OVER WORD		CMP30	1628	A
COMPASS	SA4	T6RM1			CMP30	1629	A
COMPASS	SX2	A0			CMP30	1630	A
COMPASS	SA1	X4	FETCH WORD		CMP30	1631	A
COMPASS	BX3	X1			CMP30	1632	A
COMPASS	AX1	-6			CMP30	1633	A
COMPASS	NZ	X1,CIF4	IF NOT COMPRESSED SOURCE INPUT		CMP30	1634	A
COMPASS	PL	X1,CIF4	(I.E., FIRST CHARACTER NOT 77B)		CMP30	1635	A
COMPASS	MX0	-36			CMP30	1636	A
COMPASS	SX6	B1+B1	CP.IFORM = +2 (UPDATE)		CMP30	1637	A
COMPASS	BX4	-X0*X3			CMP30	1638	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	DM	ELSE							CMP30	1666		I
COMPASS	-F7540CP	-CPSA134							F7540CP	78		I
COMPASS	DM	ENDIF										
COMPASS	-CPSA134		ENV	(4,5,7,8),DM					F7540CP	79		I
COMPASS	-CPSA134								CMP30	1667		I
COMPASS	-CPSA134											
COMPASS	CIF2	NZ	X5,CIF4	IF NOT ZEROS NOR BLANKS IN BITS 53-36					CMP30	1668	A	
COMPASS		SA6	CP.IFORM	SET INPUT FORMAT					CMP30	1669	A	
COMPASS									CMP30	1670		I
COMPASS	-CPSA134											
COMPASS	DM	ENDIF							CMP30	1671		I
COMPASS	-CPSA134											
COMPASS	-CPSA134								CMP30	1672		I
COMPASS	CIF3	SA4	T6RM1						CMP30	1673		I
COMPASS	-CPS028											
COMPASS	CIF3	SA1	CP.IFORM			S028	306	CPS028		215	A	
COMPASS		SA4	T6RM1			S028	307	CPS028		216	A	
COMPASS		SB7	X1-2			S028	308	CPS028		217	A	
COMPASS		ZR	B7,CIF3A	IF UPDATE COMPRESSED COMPILE FILE		S028	309	CPS028		218	A	
COMPASS		GETP	X2,X4,10	SKIP HEADER WORD					CMP30	1674	A	
COMPASS		EQ	CIF5						CMP30	1675	A	
COMPASS	CIF3A	GETP	X2,X4,30			S028	311	CPS028		219	A	
COMPASS		SA4	T6RM1	MOVE HEADER WORDS FOR FIRST CARD		S028	312	CPS028		220	A	
COMPASS		SA1	X4+B1	TO END OF CARD BUFFER AREA		S028	313	CPS028		221	A	
COMPASS		SA3	A1+B1			S028	314	CPS028		222	A	
COMPASS		BX6	X1			S028	315	CPS028		223	A	
COMPASS		LX7	X3			S028	316	CPS028		224	A	
COMPASS		SA6	X4+14			S028	317	CPS028		225	A	
COMPASS		SA7	A6+B1			S028	318	CPS028		226	A	
COMPASS		EQ	CIF5			S028	319	CPS028		227	A	
COMPASS	CIF4	STORE	X2,MRL=100	NOT COMPRESSED, REDUCE MAX RECORD LENGTH					CMP30	1676		I
COMPASS	-CPSA199											
COMPASS	CIF4	STORE	X2,MRL=160	NOT COMPRESSED, REDUCE MAX RECORD LENGTH					CPSA199	7	A	
COMPASS	CIF5	SA4	T6RM1						CMP30	1677	A	
COMPASS		SX2	A0	RESTORE (X2)					CMP30	1678	A	
COMPASS		SA0	X4	RESTORE (A0)					CMP30	1679	A	
COMPASS									CMP30	1680	A	
COMPASS	RM	ENDIF							CMP30	1681	A	
COMPASS									CMP30	1682	A	
COMPASS		RJ	/PASS1/RNC	READ FIRST CARD					CMP30	1683	A	
COMPASS		EQ	CIF	RETURN					CMP30	1684	A	
COMPASS	CLL	SPACE	4,8						CP096A	113	A	
COMPASS	**	CLL -	CLEAR LCM AREA TO ZEROS.						CP096A	114	A	
COMPASS	*	ENTRY	(X2) = FWA OF AREA.						CP096A	115	A	
COMPASS	*		(X3) = LWA+1 OF AREA.						CP096A	116	A	
COMPASS	*	CALLS	RLC, WLC.						CP096A	117	A	
COMPASS									CP096A	118	A	
COMPASS									CP096A	119	A	
COMPASS	CLL	PS		RETURN EXIT					CP096A	120	A	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	IX7	X3-X2		CP096A	121	A
COMPASS	MI	X7,*+1S17	IF FWA IS GREATER THAN LWA+1	CP096A	122	A
COMPASS	SX1	B0		CP096A	123	A
COMPASS	BX4	X2		CP096A	124	A
COMPASS	SX2	LCMB	CLEAR BUFFER BY READING FROM RAL+0	CP096A	125	A
COMPASS	SX3	100B		CP096A	126	A
COMPASS	RJ	RLC		CP096A	127	A
COMPASS	CLL1	SX3	100B DECREMENT WORD COUNT	CP096A	128	A
COMPASS	IX6	X7-X3		CP096A	129	A
COMPASS	BX1	X4		CP096A	130	A
COMPASS	PL	X6,CLL2	IF AT LEAST 100B WORDS REMAIN	CP096A	131	A
COMPASS	SX6	B0		CP096A	132	A
COMPASS	BX3	X7	SET REDUCED WORD COUNT	CP096A	133	A
COMPASS	CLL2	SX7	X6	CP096A	134	A
COMPASS	IX4	X1+X3	WRITE LCM	CP096A	135	A
COMPASS	RJ	WLC		CP096A	136	A
COMPASS	NZ	X7,CLL1	LOOP	CP096A	137	A
COMPASS	EQ	CLL	RETURN	CP096A	138	A
COMPASS	CLS	SPACE	4	CMP30	1685	A
COMPASS	**	CLS - CLEAR SCM AREA TO ZEROS.		CMP30	1686	A
COMPASS	*	DISASTER IF FWA IS GREATER THAN LWA.		CMP30	1687	A
COMPASS	*	ENTRY	(X2) = FWA OF AREA.	CMP30	1688	A
COMPASS	*		(X3) = LWA+1 OF AREA.	CMP30	1689	A
COMPASS	*	EXIT	(X6) = (X7) = 0.	CMP30	1690	A
COMPASS	*	USES	X0-X3, A0, A6, A7, B5, B6, B7.	CMP30	1691	A
COMPASS	*	CALLS	PRESET OR RLC.	CMP30	1692	A
COMPASS				CMP30	1693	A
COMPASS				CMP30	1694	A
COMPASS	CLS1	MX1	0 NO LCM, USE PRESET	CMP30	1695	A
COMPASS		BX7	X7-X7	CMP30	1696	A
COMPASS		RJ	PRESET	CMP30	1697	A
COMPASS				CMP30	1698	A
COMPASS	CLS	PS	RETURN EXIT	CMP30	1699	A
COMPASS		IX7	X3-X2	CMP30	1700	A
COMPASS		SA1	CP.NFLL	CMP30	1701	I
COMPASS	-CPS028					
COMPASS		SA1	CP.AFLL	S028 321 CPS028	228	A
COMPASS		MI	X7,*+1S17 IF FWA IS GREATER THAN LWA+1	CMP30	1702	A
COMPASS		ZR	X1,CLS1 IF NO LCM	CMP30	1703	A
COMPASS	CLS2	SX6	X7-100B	CMP30	1704	A
COMPASS		SX3	100B	CMP30	1705	A
COMPASS		PL	X6,CLS3 IF AT LEAST 100B WORDS REMAIN	CMP30	1706	A
COMPASS		SX6	B0	CMP30	1707	A
COMPASS		SX3	X7 SET REDUCED WORD COUNT	CMP30	1708	A
COMPASS	CLS3	SX7	X6	CMP30	1709	A
COMPASS		SX1	B0 READ LCM STARTING AT RAL+0	CMP30	1710	A
COMPASS		RJ	RLC	CMP30	1711	A
COMPASS		SX2	X2+100B INCREMENT SCM ADDRESS	CMP30	1712	A
COMPASS		NZ	X7,CLS2 LOOP	CMP30	1713	A
COMPASS		EQ	CLS RETURN	CMP30	1714	A
COMPASS	COCT	SPACE	4	COMPASS	1938	A
COMPASS	**	COCT - CONVERT OCTAL NUMBER.		COMPASS	1939	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	*	ENTRY	(X1) = OCTAL NUMBER.	COMPASS	1940	A
1	COMPASS	*	EXIT	(X6) = DISPLAY CODE FOR OCTAL NUMBER.	COMPASS	1941	A
2	COMPASS				COMPASS	1942	A
3	COMPASS				COMPASS	1943	A
4	COMPASS	COCT	PS	RETURN EXIT	COMPASS	1944	A
5	COMPASS		SB7	10	COMPASS	1945	A
6	COMPASS		MX0	60-3	COMPASS	1946	A
7	COMPASS		SX6	B0	COMPASS	1947	A
8	COMPASS	COCT1	SB7	B7-B1	COMPASS	1948	A
9	COMPASS		BX3	-X0*X1	COMPASS	1949	A
10	COMPASS		AX1	3	COMPASS	1950	A
11	COMPASS		SX3	X3+1R0	COMPASS	1951	A
12	COMPASS		IX6	X6+X3	COMPASS	1952	A
13	COMPASS		LX6	54	COMPASS	1953	A
14	COMPASS		NZ	B7,COCT1	COMPASS	1954	A
15	COMPASS		EQ	COCT	COMPASS	1955	A
16	COMPASS	COMCCIO	SPACE	4	COMPASS	1956	I
17		-CMP20					
18	COMPASS	**	COMCCIO	CENTRAL CALLS FOR INPUT/OUTPUT.	COMPASS	1957	I
19		-CMP20					
20	COMPASS	*	ENTRY	(X2) = FET ADDRESS.	COMPASS	1958	I
21		-CMP20					
22	COMPASS	*		(B6) = FWA OF DATA AREA.	COMPASS	1959	I
23		-CMP20					
24	COMPASS	*		(B7) = WORD COUNT OF DATA.	COMPASS	1960	I
25		-CMP20					
26	COMPASS	*	EXIT	(X2) = FET ADDRESS.	COMPASS	1961	I
27		-CMP20					
28	COMPASS				COMPASS	1962	I
29		-CMP20					
30	COMPASS				COMPASS	1963	I
31		-CMP20					
32	COMPASS	*CALL	COMCCIO		COMPASS	1964	I
33		-CMP20					
34	COMPASS	*CALL	COMCRDC		COMPASS	1965	I
35		-CMP20					
36	COMPASS	*CALL	COMCRDW		COMPASS	1966	I
37		-CMP20					
38	COMPASS	*CALL	COMCSYS		COMPASS	1967	I
39		-CMP20					
40	COMPASS	*CALL	COMCWTW		COMPASS	1968	I
41		-CMP20					
42	COMPASS	*CALL	COMCWTH		COMPASS	1969	I
43		-CMP20					
44	COMPASS	*CALL	COMCLFM		COMPASS	1970	I
45		-CMP20					
46	COMPASS	CONDEC	SPACE	4	COMPASS	1971	A
47	COMPASS	**	CONDEC	CONVERT INTEGER TO DECIMAL DISPLAY CODE.	COMPASS	1972	A
48	COMPASS	*	ENTRY	(X1) = INTEGER IN LOW ORDER (LESS THAN 2**18).	COMPASS	1973	A
49	COMPASS	*	EXIT	(X6) = DECIMAL FORM WITH LEADING BLANKS.	COMPASS	1974	A
50	COMPASS	*		(B2) = 6*COUNT OF DIGITS IN X6.	COMPASS	1975	A
51	COMPASS	*		(B6) = 6.	COMPASS	1976	A
52							
53		0	1	2	3	4	5
54		1234567890123456789012345678901234567890123456789012345678901234567890					

\* SAVES A0, A5, A6, X5.

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS010

1	COMPASS		LX3	X6,B7		CPS010	23	A	
2	COMPASS		IX6	X2+X3	ADD SIGN IF MINUS	CPS010	24	A	
3	COMPASS					CMP042	68	A	
4	COMPASS	CONOCT	PS		RETURN EXIT	CMP042	69	A	
5	COMPASS		SA4	PPTYPE	CHECK IF HEX CONVERSION	F4820	53	A	
6	COMPASS		SB6	3		F4820	54	A	
7	COMPASS		MX0	-3		CMP042	70	A	
8	COMPASS		SB7	B0		CMP042	71	A	
9	COMPASS		SA2	=1H		CMP042	72	A	
10	COMPASS		MX6	0		CPS010	25	A	
11	COMPASS		PL	X1,CONOCT1	IF NOT NEGATIVE	CPS010	26		I
12		-F4820							
13	COMPASS		PL	X1,CONOCT2	IF NOT NEGITIVE	F4820	55	A	
14	COMPASS		BX1	-X1	COMPLEMENT VALUE	F4820	56	A	
15	COMPASS		SX6	1R--1R		F4820	57	A	
16	COMPASS	CONOCT2	PL	X4,CONOCT1	IF NOT HEX ASSEMBLY	F4820	58	A	
17	COMPASS		SX4	X4+2		CPSA197	4	A	
18	COMPASS		MI	X4,CONOCT1	IF NOT BCU/MCU.	CPSA197	5	A	
19	COMPASS		MX0	-4		F4820	59	A	
20	COMPASS		SB6	B6+B1		F4820	60	A	
21	COMPASS		BX1	-X1	COMPLEMENT VALUE	CPS010	27		I
22		-F4820							
23	COMPASS		SX6	1R--1R		CPS010	28		I
24		-F4820							
25	COMPASS		EQ	CONOCT1		CMP042	73	A	
26	COMPASS	CPS	SPACE	4		CMP30	1715	A	
27	COMPASS	**	CPS	-	CLEAR PUSH-DOWN STACKS.	CMP30	1716	A	
28	COMPASS					CMP30	1717	A	
29	COMPASS					CMP30	1718	A	
30	COMPASS	CPS	PS		RETURN EXIT	CMP30	1719	A	
31	COMPASS		SA1	STACKPTR		CMP30	1720	A	
32	COMPASS		MX0	30		CMP30	1721	A	
33	COMPASS	CPS1	SA2	X1	GET STACK CONTROL WORD	CMP30	1722	A	
34	COMPASS		AX1	18	MAX ENTRY COUNT	CMP30	1723	A	
35	COMPASS		BX3	X0*X2		CMP30	1724	A	
36	COMPASS		IX6	X3+X1		CMP30	1725	A	
37	COMPASS		SA1	A1+B1		CMP30	1726	A	
38	COMPASS		SA6	A2		CMP30	1727	A	
39	COMPASS		NZ	X1,CPS1	IF NOT END OF LIST	CMP30	1728	A	
40	COMPASS		EQ	CPS	RETURN	CMP30	1729	A	
41	COMPASS	CPTIME	SPACE	4		CMP30	1730	A	
42	COMPASS	**	CPTIME	-	CONVERT CPU TIME.	CMP30	1731	A	
43	COMPASS	*	ENTRY	(B7) =	ADDRESS OF STARTING TIME.	CMP30	1732	A	
44	COMPASS	*	EXIT	(X6) =	*SSSSS.MMM * ELAPSED CPU TIME.	CMP30	1733	A	
45	COMPASS					CMP30	1734	A	
46	COMPASS					CMP30	1735	A	
47	COMPASS	CPTIME	PS		RETURN EXIT	CMP30	1736	A	
48	COMPASS		TIME	CPTIMEA	GET CURRENT TIME	CMP30	1737	A	
49	COMPASS		SA5	B7		CMP30	1738	A	
50	COMPASS		SA1	CPTIMEA		CMP30	1739	A	
51	COMPASS		IX2	X1-X5	TIME DIFFERENCE	CMP30	1740	A	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SX6	0			CPSA251	15	A	
COMPASS	MI	X2,DFL	IF CURRENT .LE. CALC FL, EXIT		CPSA251	16	A	
COMPASS	SA6	LSTTHOU	CLEAR LAST 1000B FLAG		CPSA251	17	A	
COMPASS	SA3	MIDFLN	GET MINIMUM FL. TO BE REDUCED TO		CPSA125	32	A	
COMPASS	BX6	X3			CPSA125	33		I
-CPSA226								
COMPASS	MX3	-6			CPSA125	34		I
-CPSA226								
COMPASS	IX6	X6-X3	MIDFLN+77B		CPSA125	35		I
-CPSA226								
COMPASS	BX6	X6*X3			CPSA125	36		I
-CPSA226								
COMPASS	IX3	X1-X6			CPSA125	37		I
-CPSA226								
COMPASS	PL	X3,DFL1	IF REQUEST.GE.ROUNDED MIDFLN		CPSA125	38		I
-CPSA226								
COMPASS	BX1	X6	ELSE REQUEST ROUNDED MIDFLN		CPSA125	39		I
-CPSA226								
COMPASS	DFL1	BSS	0		CPSA125	40		I
-CPSA226								
COMPASS	IX2	X1-X3	COMPARE TABLE SPACE TO MIDFLN		CPSA226	11	A	
COMPASS	PL	X2,DFL1	USE THE GREATER OF THE TWO		CPSA226	12	A	
COMPASS	BX1	X3	MIDFLN		CPSA226	13	A	
COMPASS	IX4	X3-X4	MIDFLN - CURRENT FL		CPSA251	18	A	
COMPASS	PL	X4,DFL	IF CURRENT .LE. MIDFLN, EXIT		CPSA251	19	A	
COMPASS	DFL1	MX2	-6	FOR ROUNDING UP	CPSA226	14	A	
COMPASS	IX1	X1-X2	FL + 77B		CPSA226	15	A	
COMPASS	SA4	CP.NFLS	CHECK CURRENT FL		CPS247	6		I
-CPSA251								
COMPASS	BX1	X1*X2	ROUND		CPSA226	16	A	
COMPASS	IX4	X1-X4			CPS247	7		I
-CPSA251								
COMPASS	PL	X4,DFL2			CPS247	8		I
-CPSA226								
COMPASS	SX6	0			CPSA226	17		I
-CPSA251								
COMPASS	PL	X4,DFL	IF ALREADY LE THAT FL, EXIT		CPSA226	18		I
-CPSA251								
COMPASS	SA6	LSTTHOU	CLEAR LAST 1000B FLAG		CPSA226	19		I
-CPSA251								
COMPASS	BX1	-X1	SET UP TO MAKE SPECIFIC FL REQUEST	F4810B	F4810B	83	A	
COMPASS	RJ	RFL	REQUEST (LWA TABLES+FLINC) WORDS CM	F4810B	F4810B	84	A	
COMPASS	DFL2	BSS	0		CPS247	9		I
-CPSA226								
COMPASS	SX6	B0			CPSA125	41		I
-CPSA226								
COMPASS	SA6	LSTTHOU	TURN OFF THE *USE LAST 1000 WORDS* FLAG		CPSA125	42		I
-CPSA226								
COMPASS	EQ	DFL	RETURN	F4810B	F4810B	85	A	
COMPASS	DIM	SPACE	4		COMPASS	2002	A	
COMPASS	**	DIM -	DISPLAY IDENT MESSAGE.		COMPASS	2003	A	
COMPASS	*	ENTRY	(X1) = PROGRAM NAME LEFT JUSTIFIED ZERO FILL.		COMPASS	2004	A	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	COMPASS	2005	A	
COMPASS	COMPASS	2006	A	
COMPASS	COMPASS	2007	A	
COMPASS	COMPASS	2008	A	
COMPASS	COMPASS	2009	A	
COMPASS	COMPASS	2010	A	
COMPASS	COMPASS	2011	A	
COMPASS	COMPASS	2012	A	
COMPASS	COMPASS	2013	A	
COMPASS	COMPASS	2014	A	
COMPASS	COMPASS	2015	A	
COMPASS	COMPASS	2016	A	
COMPASS	COMPASS	2017	A	
COMPASS	COMPASS	2018	A	
COMPASS	COMPASS	2019	I	
-CMP11				
COMPASS	COMPASS	1	A	
COMPASS	COMPASS	2020	A	
COMPASS	COMPASS	2021	A	
COMPASS	COMPASS	2022	A	
COMPASS	COMPASS	2023	A	
COMPASS	COMPASS	2024	A	
COMPASS	COMPASS	2025	A	
COMPASS	COMPASS	2026	A	
COMPASS	COMPASS	2027	I	
-CMP30				
COMPASS	COMPASS	1762	A	
COMPASS	COMPASS	2028	A	
COMPASS	COMPASS	2029	I	
-CMP30				
COMPASS	COMPASS	2030	I	
COMPASS	COMPASS	2031	A	
COMPASS	COMPASS	2032	A	
COMPASS	COMPASS	2033	A	
COMPASS	COMPASS	2034	A	
COMPASS	COMPASS	2035	A	
COMPASS	COMPASS	2036	A	
COMPASS	COMPASS	2037	A	
COMPASS	COMPASS	2038	A	
COMPASS	COMPASS	2039	A	
COMPASS	COMPASS	2040	A	
COMPASS	COMPASS	2041	A	
COMPASS	COMPASS	2042	A	
COMPASS	COMPASS	2043	A	
COMPASS	COMPASS	2044	A	
COMPASS	COMPASS	2045	A	
COMPASS	COMPASS	2046	A	
COMPASS	COMPASS	2047	A	
COMPASS	COMPASS	2048	A	
COMPASS	COMPASS	2049	A	
COMPASS	COMPASS	2050	A	
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP19

1	COMPASS	-CMP19	AX4	47-SHIFTQ		COMPASS	2094		I
2	COMPASS	-CMP19	BX3	X4*X0		COMPASS	2095		I
3	COMPASS	-CMP19	SA4	0.SYMTAB		COMPASS	2096		I
4	COMPASS	-CMP19	SB7	X4		COMPASS	2097		I
5	COMPASS	-CMP19	SA4	X3+B7	BASE TABLE ENTRY	COMPASS	2098		I
6	COMPASS	-CMP19	SA5	QVAL		COMPASS	2099		I
7	COMPASS	-CMP19	BX6	X6+X5		COMPASS	2100		I
8	COMPASS	-CMP19	SA3	HASH	HASHING CONSTANT	CMP19	21	A	
9	COMPASS		SA5	QVAL	QUALIFIER VALUE	CMP19	22	A	
10	COMPASS		BX6	X1		CMP19	23	A	
11	COMPASS		PX0	X1		CMP19	24	A	
12	COMPASS		SX7	B0		CMP19	25	A	
13	COMPASS		AX6	36		CMP19	26	A	
14	COMPASS		DX4	X3*X0	MULTIPLY SYMBOL BY HASHING CONSTANT	CMP19	27	A	
15	COMPASS		SB7	X6-2R'?		CMP19	28	A	
16	COMPASS		BX6	X1+X5	ADD QUALIFIER VALUE TO SYMBOL	CMP19	29	A	
17	COMPASS		LX5	12		CMP19	30	A	
18	COMPASS		SX0	NSYMT*2-2	MASK FOR BASE INDEX	CMP19	31	A	
19	COMPASS		SB6	X5		CMP19	32	A	
20	COMPASS		AX4	47-SHIFTQ		CMP19	33	A	
21	COMPASS		SA5	0.QVTAB		CMP19	34	A	
22	COMPASS		SB6	B6-B1		CMP19	35	A	
23	COMPASS		BX3	X0*X4	BASE INDEX	CMP19	36	A	
24	COMPASS		SA4	0.SYMTAB		CMP19	37	A	
25	COMPASS		SB5	X3		CMP19	38	A	
26	COMPASS		ZR	B7,ENS1	IF INVENTED SYMBOL	CMP19	39	A	
27	COMPASS		NG	B6,ENS2	IF BLANK QUALIFIER	CMP19	40	A	
28	COMPASS		SA5	X5+B6		CMP19	41	A	
29	COMPASS		NO			CMP19	42	A	
30	COMPASS		PL	X5,ENS2	IF NOREF FLAG NOT SET FOR QUALIFIER	CMP19	43	A	
31	COMPASS	ENS1	SX7	B1		CMP19	44	A	
32	COMPASS		SB0	0	SET NOREF FLAG IN SYMTAB ENTRY	CMP19	45	A	
33	COMPASS		LX7	35		CMP19	46	A	
34	COMPASS	ENS2	SA4	X4+B5	BASE TABLE ENTRY	CMP19	47		I
35	COMPASS	-CP096A							
36	COMPASS	ENS2	SX0	X4+B5	BASE TABLE ENTRY	CP096A	139	A	
37	COMPASS		RX4	X0		CP096A	140	A	
38	COMPASS		BX7	X2+X7		CMP19	48	A	
39	COMPASS		NZ	X4,ENTSYMT1	IF BASE ENTRY OCCUPIED	COMPASS	2101	A	
40	COMPASS		SA6	A4	OCCUPY BASE ENTRY	COMPASS	2102		I
41	COMPASS	-CP096A							
42	COMPASS	-CP096A	SA7	A4+B1		COMPASS	2103		I
43	COMPASS	-CP096A	WX6	X0	OCCUPY BASE ENTRY	CP096A	141	A	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS		SX0	X0+B1		CP096A	142	A	
1	COMPASS		WX7	X0		CP096A	143	A	1
2	COMPASS		EQ	ENTSYMTX		COMPASS	2104	A	2
3	COMPASS	ENTSYMT1	SA6	ENTSYMTT	SAVE SYMBOL, EQUIV AND HASHED KEY	COMPASS	2105	A	3
4	COMPASS		SA7	A6+B1		COMPASS	2106	A	5
5	COMPASS		BX6	X3		COMPASS	2107	A	6
6	COMPASS		SA6	A7+B1		COMPASS	2108	A	8
7	COMPASS					CP096A	144	A	9
8	COMPASS	RM	IFNE	CP#RM,7		CP096A	145	A	10
9	COMPASS		MANAGE	SYMTAB,2		COMPASS	2109	A	12
10	COMPASS		SX4	X3-2	INDEX OF NEW ENTRY	CP096A	146	A	13
11	COMPASS	RM	ELSE			CP096A	147	A	14
12	COMPASS		SX1	B1+B1		CP096A	148	A	15
13	COMPASS		RJ	ILF	INCREASE LCM FIELD LENGTH	CP096A	149	A	17
14	COMPASS		SA4	L.SYMTAB		CP096A	150	A	18
15	COMPASS		SA2	O.SYMTAB		CP096A	151	A	19
16	COMPASS		MI	X6,ILC	IF INSUFFICIENT LCM AVAILABLE	CP096A	152	A	21
17	COMPASS		IX7	X4+X1		CP096A	153	A	22
18	COMPASS		SA7	A4	UPDATE L.SYMTAB	CP096A	154	A	23
19	COMPASS	RM	ENDIF			CP096A	155	A	25
20	COMPASS					CP096A	156	A	26
21	COMPASS		SB7	X2+B1	STORE NEW ENTRY	COMPASS	2110	A	28
22	COMPASS		SX4	X3-2	INDEX OF NEW ENTRY	COMPASS	2111	I	29
23		-CP096A							30
24	COMPASS		SA3	ENTSYMTT+2		COMPASS	2112	A	32
25	COMPASS		SB6	42		COMPASS	2113	A	33
26	COMPASS	ENTSYMT2	SA5	B7+X3	SEARCH SYMBOL TABLE	COMPASS	2114	I	34
27		-CP096A							35
28	COMPASS	ENTSYMT2	SX0	B7+X3	SEARCH SYMBOL TABLE	CP096A	157	A	37
29	COMPASS		RX5	X0		CP096A	158	A	38
30	COMPASS		AX3	X5,B6		COMPASS	2115	A	39
31	COMPASS		NZ	X3,ENTSYMT2	LOOP TO END OF CHAIN	COMPASS	2116	A	41
32	COMPASS		LX6	X4,B6		COMPASS	2117	A	42
33	COMPASS		BX6	X5+X6	OR IN NEW CHAIN NUMBER	COMPASS	2118	A	43
34	COMPASS		SA6	A5		COMPASS	2119	I	45
35		-CP096A							46
36	COMPASS		WX6	X0		CP096A	159	A	48
37	COMPASS		SA2	A3-B1		COMPASS	2120	A	49
38	COMPASS		SA1	A2-B1		COMPASS	2121	A	50
39	COMPASS		SX0	B7+X4	STORE NEW ENTRY	CP096A	160	A	52
40	COMPASS		LX7	X2		COMPASS	2122	A	53
41	COMPASS		BX6	X1		COMPASS	2123	A	54
42	COMPASS		SA7	B7+X4		COMPASS	2124	I	56
43		-CP096A							57
44	COMPASS		SA6	A7-B1		COMPASS	2125	I	58
45		-CP096A							59
46	COMPASS		SX3	X0-1		CP096A	161	A	61
47	COMPASS		WX7	X0		CP096A	162	A	62
48	COMPASS		WX6	X3		CP096A	163	A	63
49	COMPASS	ENTSYMTX	SA5	SYMCNT	UP SYMBOL COUNT	COMPASS	2126	I	65
50		-CMP19							66
51	COMPASS		SX7	X5+B1		COMPASS	2127	I	67

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP19

1	COMPASS		SA7	A5		COMPASS	2128	I	
2		-CMP19							
3	COMPASS		EQ	ENTSYMT		COMPASS	2129	I	
4		-CMP19							
5	COMPASS		EQ	ENTSYMTX		CMP19	49	A	
6	COMPASS					COMPASS	2130	A	
7	COMPASS	ENTSYMTT	BSS	3	TEMPORARY STORAGE	COMPASS	2131	A	
8	COMPASS					COMPASS	2132	A	
9	COMPASS	HASH	DATA	2525001001001001	BP0	COMPASS	2133	A	
10	COMPASS	GETCH	SPACE	4		COMPASS	2134	A	
11	COMPASS	**	GETCH	- GET NEXT CHARACTER FROM CARD IMAGE.			COMPASS	2135	A
12	COMPASS	*	UPDATES	COLUMN, AND CHECKS AGAINST LASTCOL.			COMPASS	2136	A
13	COMPASS	*	EXIT	(X1) = (X6) = NEXT CHARACTER.			COMPASS	2137	A
14	COMPASS	*		(X2) = NEGATIVE IF END OF STATEMENT.			COMPASS	2138	A
15	COMPASS					COMPASS	2139	A	
16	COMPASS					COMPASS	2140	A	
17	COMPASS	GNC1	SA6	A1	STORE NEW COLUMN NUMBER	COMPASS	2141	A	
18	COMPASS		NO			COMPASS	2142	A	
19	COMPASS		SA1	X6+CARD-1	FETCH NEW CHARACTER	COMPASS	2143	A	
20	COMPASS	GNC2	BX6	X1		COMPASS	2144	A	
21	COMPASS		NO			COMPASS	2145	A	
22	COMPASS		SA6	CHAR		COMPASS	2146	A	
23	COMPASS					COMPASS	2147	A	
24	COMPASS	GETCH	PS		RETURN EXIT	COMPASS	2148	A	
25	COMPASS		SA1	COLUMN	SEE WHERE WE ARE	COMPASS	2149	A	
26	COMPASS		SA2	LASTCOL	COMPARED TO END OF STATEMENT	COMPASS	2150	A	
27	COMPASS		SX6	X1+B1	INCREMENT COLUMN NUMBER	COMPASS	2151	A	
28	COMPASS		IX2	X2-X1		COMPASS	2152	A	
29	COMPASS		SX1	1R		COMPASS	2153	A	
30	COMPASS		PL	X2,GNC1		COMPASS	2154	A	
31	COMPASS		EQ	GNC2		COMPASS	2155	A	
32	COMPASS	ILC	SPACE	4,8		CP096A	164	A	
33	COMPASS	**	ILC	- INSUFFICIENT LCM AVAILILABLE.			CP096A	165	A
34	COMPASS	*	ENTRY	(X7) = FIELD LENGTH NEEDED (SET BY *ILF*).			CP096A	166	A
35	COMPASS					CP096A	167	A	
36	COMPASS					CP096A	168	A	
37	COMPASS	RM	IFEQ	CP#RM,7		CP096A	169	A	
38	COMPASS					CP096A	170	A	
39	COMPASS	ILC	BX1	X7	CONVERT TO OCTAL	CP096A	171	A	
40	COMPASS		RJ	CONOCT		CP096A	172	A	
41	COMPASS		SA1	ILCA	INSERT IN MESSAGE	CP096A	173	A	
42	COMPASS		MX0	-24		CP096A	174	A	
43	COMPASS		LX6	24		CP096A	175	A	
44	COMPASS		BX6	X0*X6		CP096A	176	A	
45	COMPASS		BX1	-X0*X1		CP096A	177	A	
46	COMPASS		BX6	X1+X6		CP096A	178	A	
47	COMPASS		SA6	A1		CP096A	179	A	
48	COMPASS		MESSAGE	ILCA,,R		CP096A	180	A	
49	COMPASS		SA1	PASS		CP096A	181	A	
50	COMPASS		SB7	X1-2		CP096A	182	A	
51	COMPASS		ZR	B7,ALC13	IF PASS 2	CP096A	183	A	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	JP	ALC17	GO ISSUE TABLE OVERFLOW MESSAGE	CP096A	184	A
COMPASS				CP096A	185	A
COMPASS	ILCA	DATA	C* 00000B LCM NEEDED TO CONTINUE. *	CP096A	186	A
COMPASS				CP096A	187	A
COMPASS	RM	ENDIF		CP096A	188	A
COMPASS	ILF	SPACE	4,8	S028 323 CPS028	229	A
COMPASS	**	ILF -	INCREASE LCM FIELD LENGTH.	S028 324 CPS028	230	A
COMPASS	*	ENTRY	(X1) = WORD COUNT OF INCREASE.	S028 325 CPS028	231	A
COMPASS	*	EXIT	(X1) = UNCHANGED.	S028 326 CPS028	232	A
COMPASS	*		(X6) = (LCMEND) = UPDATED IF POSSIBLE.	S028 327 CPS028	233	A
COMPASS	*		(X6) < 0 IF INCREASE IS NOT POSSIBLE.	S028 328 CPS028	234	A
COMPASS				S028 329 CPS028	235	A
COMPASS				S028 330 CPS028	236	A
COMPASS	ILF	PS	RETURN EXIT	S028 331 CPS028	237	A
COMPASS		SA3	LCMEND	S028 332 CPS028	238	A
COMPASS		SA2	CP.AFLL	S028 333 CPS028	239	A
COMPASS		IX6	X3+X1	S028 334 CPS028	240	A
COMPASS		IX2	X6-X2	S028 335 CPS028	241	A
COMPASS		PL	X2,ILF1 IF FIELD LENGTH INCREASE NEEDED	S028 336 CPS028	242	A
COMPASS		SA6	A3 UPDATE (LCMEND)	S028 337 CPS028	243	A
COMPASS		EQ	ILF2	S028 338 CPS028	244	A
COMPASS	ILF1	SA2	FLLF	S028 339 CPS028	245	A
COMPASS		SX7	9+1S12 ADD 10 FOR SLOP AND ROUND UP	S028 340 CPS028	246	A
COMPASS		IX7	X6+X7 TO A MULTIPLE OF 10000B	S028 341 CPS028	247	A
COMPASS		BX3	X6	S028 342 CPS028	248	A
COMPASS		SX4	MFLL	S028 343 CPS028	249	A
COMPASS		AX7	12	S028 344 CPS028	250	A
COMPASS		SX6	-B1 (X6) < 0	S028 345 CPS028	251	A
COMPASS		LX7	12	S028 346 CPS028	252	A
COMPASS		IX4	X4-X7	S028 347 CPS028	253	A
COMPASS		NZ	X2,ILF RETURN IF FIXED FLL MODE	S028 348 CPS028	254	A
COMPASS		MI	X4,ILF RETURN IF GREATER THAN MAX FLL ALLOWED	S028 349 CPS028	255	A
COMPASS		BX6	X3	S028 350 CPS028	256	A
COMPASS		LX7	30	S028 351 CPS028	257	A
COMPASS		SA6	A3 UPDATE (LCMEND)	S028 352 CPS028	258	A
COMPASS		BX4	X1	S028 353 CPS028	259	A
COMPASS		SA7	CP.AFLL	S028 354 CPS028	260	A
COMPASS		MEMORY	ECS,CP.AFLL,R REQUEST FIELD LENGTH	S028 355 CPS028	261	A
COMPASS		SA2	A7	S028 356 CPS028	262	A
COMPASS		BX6	X3 (X6) = (LCMEND)	S028 357 CPS028	263	A
COMPASS		LX1	X4	S028 358 CPS028	264	A
COMPASS		BX7	X2	S028 359 CPS028	265	A
COMPASS		AX7	30 UPDATE (CP.AFLL)	S028 360 CPS028	266	A
COMPASS		SA7	A2	S028 361 CPS028	267	A
COMPASS	ILF2	SA3	ALCM	S028 362 CPS028	268	A
COMPASS		IX4	X3-X6	S028 363 CPS028	269	A
COMPASS		PL	X4,ILF IF OLD MAX \ NEW (LCMEND)	S028 364 CPS028	270	A
COMPASS		SA6	A3	S028 365 CPS028	271	A
COMPASS		EQ	ILF RETURN	S028 366 CPS028	272	A
COMPASS	RM	IFEQ	CP#RM,0	CPS2608	10	A
COMPASS	LDHDR	SPACE	4	CPS2608	11	A
COMPASS	**	LDHDR	- LDSET HEADER.	CPS2608	12	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	*	CONTROL WORD FOR 7000 (LDSET) TABLE GENERATOR.			CPS2608	13	A		
1	COMPASS	*	ENTRY	K.TLDR = POSITION OF LAST CONTROL WORD			CPS2608	14	A	
2	COMPASS	*	EXIT	K.TLDR = POSITION OF CURRENT 70 TABLE (L.TLDR-1)			CPS2608	15	A	
3	COMPASS	*	NEW CONTROL WORD ADDED TO TLDR.			CPS2608	16	A		
4	COMPASS	*	WC INSERTED IN LAST CONTROL WORD FOR TABLE JUST			CPS2608	17	A		
5	COMPASS	*	FILLED.			CPS2608	18	A		
6	COMPASS	*	USES	A - 2,3,4,7			CPS2608	19	A	
7	COMPASS	*	B - 2,4			CPS2608	20	A		
8	COMPASS	*	X - 1,2,3,4,7			CPS2608	21	A		
9	COMPASS					CPS2608	22	A		
10	COMPASS	LDHDR	PS	RETURN EXIT			CPS2608	23	A	
11	COMPASS		SA2	L.TLDS	LENGTH OF TABLE			CPS2608	24	A
12	COMPASS		SA3	K.TLDS	POSITION OF LAST CONTROL WORD			CPS2608	25	A
13	COMPASS		MX1	3	7000 TABLE			CPS2608	26	A
14	COMPASS		ZR	X2,LDHDR1	IF FIRST 7000 TABLE			CPS2608	27	A
15	COMPASS		IX4	X2-X3	WORD COUNT OF TLDS SINCE LAST CONTROL WORD			CPS2608	28	A
16	COMPASS		SB2	36	SHIFT FOR WORD COUNT			CPS2608	29	A
17	COMPASS		SX4	X4-1	WORD COUNT OF PREVIOUS TABLE			CPS2608	30	A
18	COMPASS		LX4	X4,B2	POSITION WC			CPS2608	31	A
19	COMPASS		BX7	X1+X4	INSERT WC IN CONTROL WORD			CPS2608	32	A
20	COMPASS		SA4	0.TLDS	ORIGIN ADDRESS			CPS2608	33	A
21	COMPASS		IX4	X4+X3				CPS2608	34	A
22	COMPASS		SA7	X4	REPLACE CONTROL WORD OF PREVIOUS TABLE			CPS2608	35	A
23	COMPASS	LDHDR1	BX7	X2	POSITION OF NEW CONTROL WORD			CPS2608	36	A
24	COMPASS		SA7	A3	K.TLDS			CPS2608	37	A
25	COMPASS		ADDWORD	TLDS	NEW CONTROL WORD GETS CORRECT WC LATER			CPS2608	38	A
26	COMPASS		EQ	LDHDR	RETURN			CPS2608	39	A
27	COMPASS	RM	ENDIF				CPS2608	40	A	
28	COMPASS	MOVE	SPACE	4				COMPASS	2156	A
29	COMPASS	**	MOVE - MOVE BLOCK OF DATA.			COMPASS	2157	A		
30	COMPASS	*	MOVE MOVES EITHER UPWARDS OR DOWNWARDS TO AVOID OVER-STORES.			COMPASS	2158	A		
31	COMPASS	*	ENTRY	(X1) = WORD COUNT.			COMPASS	2159	A	
32	COMPASS	*	(X2) = SOURCE ADDRESS.			COMPASS	2160	A		
33	COMPASS	*	(X3) = DESTINATION ADDRESS.			COMPASS	2161	A		
34	COMPASS					COMPASS	2162	A		
35	COMPASS					COMPASS	2163	A		
36	COMPASS	MOVEI	SB7	-2	UPWARD MOVE			COMPASS	2164	A
37	COMPASS		SX2	X2+B7				COMPASS	2165	A
38	COMPASS		SX3	X3+B7				COMPASS	2166	A
39	COMPASS		SB7	B1+B1				COMPASS	2167	A
40	COMPASS		ZR	X6,MOVER	IF EVEN NUMBER OF WORDS			COMPASS	2168	A
41	COMPASS		SA5	X2+B7	MOVE THE ONE ODD WORD			COMPASS	2169	A
42	COMPASS		IX2	X2+X6				COMPASS	2170	A
43	COMPASS		BX7	X5				COMPASS	2171	A
44	COMPASS		SA7	X3+B7				COMPASS	2172	A
45	COMPASS		IX3	X3+X6				COMPASS	2173	A
46	COMPASS	MOVER	ZR	X1,MOVE	IF MOVE IS NOW COMPLETE			COMPASS	2174	A
47	COMPASS		SX5	B1+B1	MOVE FIRST TWO WORDS			COMPASS	2175	A
48	COMPASS		IX1	X1-X5				COMPASS	2176	A
49	COMPASS		SA2	X2+B7	FETCH FIRST DATA PAIR			COMPASS	2177	A
50	COMPASS		SA4	A2+B1				COMPASS	2178	A
51	COMPASS		BX6	X2				COMPASS	2179	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	LX7	X4		COMPASS	2180	A
COMPASS	SA6	X3+B7		COMPASS	2181	A
COMPASS	SA7	A6+B1		COMPASS	2182	A
COMPASS	ZR	X1,MOVE	QUIT IF ONLY TWO WORDS MOVED	COMPASS	2183	A
COMPASS	SA2	A2+B7	FETCH NEW DATA FOR NEXT MOVE	COMPASS	2184	A
COMPASS	SA4	A4+B7		COMPASS	2185	A
COMPASS	MOVEL	BX6	X2	COMPASS	2186	A
			GENERAL MOVE LOOP	COMPASS	2187	A
COMPASS	SA2	A2+B7		COMPASS	2188	A
COMPASS	LX7	X4		COMPASS	2189	A
COMPASS	SA4	A4+B7		COMPASS	2190	A
COMPASS	IX1	X1-X5		COMPASS	2191	A
COMPASS	NO			COMPASS	2192	A
COMPASS	SA6	A6+B7		COMPASS	2193	A
COMPASS	SA7	A7+B7		COMPASS	2194	A
COMPASS	NZ	X1,MOVE		COMPASS	2195	A
COMPASS	MOVE	PS	RETURN EXIT	COMPASS	2196	A
COMPASS	IX4	X2-X3	TEST DIRECTION OF MOVE	COMPASS	2197	A
COMPASS	MX5	59		COMPASS	2198	A
COMPASS	BX6	-X5*X1		COMPASS	2199	A
COMPASS	IX1	X1-X6	REDUCE COUNT DOWN TO EVEN NUMBER	COMPASS	2200	A
COMPASS	PL	X4,MOVEI	JUMP IF UPWARD MOVE	COMPASS	2201	A
COMPASS	ZR	X6,MOVED1	IF EVEN NUMBER	COMPASS	2202	A
COMPASS	SB7	X1		COMPASS	2203	A
COMPASS	SA4	X2+B7	MOVE INITIAL WORD	COMPASS	2204	A
COMPASS	BX6	X4		COMPASS	2205	A
COMPASS	SA6	X3+B7		COMPASS	2206	A
COMPASS	MOVED1	IX2	X2+X1	COMPASS	2207	A
COMPASS	IX3	X3+X1		COMPASS	2208	A
COMPASS	SB7	-2		COMPASS	2209	A
COMPASS	EQ	MOVER		COMPASS	2210	A
COMPASS	MTD	SPACE	4	COMPASS	2211	A
COMPASS	**	MTD	- MOVE ALL TABLES TO LOW CORE.	COMPASS	2212	A
COMPASS				COMPASS	2213	A
COMPASS	MTD	PS	RETURN EXIT	COMPASS	2214	A
COMPASS	SB2	NTABLES		COMPASS	2215	A
COMPASS	SA1	LOCORE		COMPASS	2216	A
COMPASS	LX0	X1		COMPASS	2217	A
COMPASS	SB3	B1		COMPASS	2218	A
COMPASS	MTD1	SA2	ORIGINS-1+B3	COMPASS	2219	A
COMPASS	SA1	SIZES-1+B3		COMPASS	2220	A
COMPASS	LX3	X0		COMPASS	2221	A
COMPASS	IX0	X0+X1		COMPASS	2222	A
COMPASS	LX7	X3		COMPASS	2223	A
COMPASS	BX4	X2-X3		COMPASS	2224	A
COMPASS	SA7	A2		COMPASS	2225	A
COMPASS	SB3	B3+B1		COMPASS	2226	A
COMPASS	ZR	X4,MTD2	AVOID NULL MOVE	COMPASS	2227	A
COMPASS	RJ	MOVE		COMPASS	2228	A
COMPASS	MTD2	NE	B3,B2,MTD1	COMPASS	2229	A
COMPASS	EQ	MTD	EXIT	COMPASS	2230	A
				COMPASS	2231	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS		RL	B6		CP096A	221	A	
1	COMPASS		SX2	X2+B5		CP096A	222	A	1
2	COMPASS		SX0	X3	WRITE BLOCK	CP096A	223	A	2
3	COMPASS		WL	B6		CP096A	224	A	3
4	COMPASS		SB7	B7-B6	COUNT WORDS	CP096A	225	A	4
5	COMPASS		SX3	X3+B5		CP096A	226	A	5
6	COMPASS		GT	B7,B6,MVL2	LOOP	CP096A	227	A	6
7	COMPASS	MVL3	LE	B7,B0,MVL	RETURN IF FINISHED	CP096A	228	A	7
8	COMPASS		SB5	B6-B7	SETUP FOR LAST MOVE	CP096A	229	A	8
9	COMPASS		SB6	B7		CP096A	230	A	9
10	COMPASS		MI	X6,MVL2	IF DOWNWARD MOVE	CP096A	231	A	10
11	COMPASS		SX2	X2+B5		CP096A	232	A	11
12	COMPASS		SX3	X3+B5		CP096A	233	A	12
13	COMPASS		EQ	MVL2		CP096A	234	A	13
14	COMPASS					CP096A	235	A	14
15	COMPASS	RM	ELSE			CP096A	236	A	15
16	COMPASS					CP096A	237	A	16
17	COMPASS		EQ	*+1S17	ERROR IF NOT SCOPE 2	CP096A	238	A	17
18	COMPASS					CP096A	239	A	18
19	COMPASS	RM	ENDIF			CP096A	240	A	19
20	COMPASS	OVL	SPACE	4,8		CPS064	30	A	20
21	COMPASS	**	OVL -	LOAD OVERLAY.		CPS064	31	A	21
22	COMPASS	*	ENTRY	(X1) = OVERLAY NAME.		CPS064	32	A	22
23	COMPASS	*		(X2) = 12/ LEVEL, 12/ 0, 18/ LWA+1, 18/ ORIGIN.		CPS064	33	A	23
24	COMPASS					CPS064	34	A	24
25	COMPASS					CPS064	35	A	25
26	COMPASS	OVL	IFNE	OVERLAY,0		CPS064	36	A	26
27	COMPASS					CPS064	37	A	27
28	COMPASS	OVL	PS		RETURN EXIT	CPS064	38	A	28
29	COMPASS		SA3	OVL+1		CPS064	39	A	29
30	COMPASS		LX6	X1		CPS064	40	A	30
31	COMPASS		BX7	X2+X3	SETUP SECOND WORD OF LADER CALL	CPS064	41	A	31
32	COMPASS		SA7	OVLZ+1		CPS064	42	A	32
33	COMPASS		SA6	A7+B1	STORE OVERLAY NAME	CPS064	43	A	33
34	COMPASS		LX3	59-46		CPS064	44	A	34
35	COMPASS		PL	X3,OVL1	IF TWO-WORD CALL	CPS064	45	A	35
36	COMPASS		SA3	A3-B1		CPS064	46	A	36
37	COMPASS		BX6	X3	SET LIBRARY OR FILE NAME	CPS064	47	A	37
38	COMPASS	OVL1	SA6	A7-B1		CPS064	48	A	38
39	COMPASS		MX7	0	CLEAR LOADER REPLY WORD	CPS064	49	A	39
40	COMPASS		SA7	RA.LDR		CPS064	50	A	40
41	COMPASS		LOADREQ	OVLZ	REQUEST OVERLAY LOAD	CPS064	51	A	41
42	COMPASS					CPS064	52	A	42
43	COMPASS	RM	IFNE	CP#RM,7		CPS064	53	A	43
44	COMPASS	OVL2	RECALL		WAIT FOR LOADER	CPS064	54	A	44
45	COMPASS		SA4	RA.LDR		CPS064	55	A	45
46	COMPASS		ZR	X4,OVL2		CPS064	56	A	46
47	COMPASS	RM	ENDIF			CPS064	57	A	47
48	COMPASS					CPS064	58	A	48
49	COMPASS		SA1	OVLZ+1	GET STATUS RESPONSE	CPS064	59	A	49
50	COMPASS		LX1	59-36		CPS064	60	A	50
51	COMPASS		PL	X1,OVL	IF NO FATAL ERROR	CPS064	61	A	51

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA1	OVLZ+2		CPS064	62	A
COMPASS	SX6	1R		CPS064	63	A
COMPASS	BX6	X1+X6	PUT OVERLAY NAME IN MESSAGE	CPS064	64	A
COMPASS	LX6	-6		CPS064	65	A
COMPASS	SA6	OVLN+1		CPS064	66	A
COMPASS	MESSAGE	OVLN	*CANT LOAD -----*	CPS064	67	A
COMPASS	RJ	RPD	RESTORE DEFAULT PRINT DENSITY IF NECESSARY F4810A	F4810A	108	A
COMPASS	ABORT	,NODUMP		CPS064	68	A
COMPASS				CPS064	69	A
COMPASS	OVLA	CON	0L"OVLA"	CPS064	70	A
COMPASS	VFD	12/0101B,12/,18/ENDA+1,18/ORG		CPS064	71	A
COMPASS				CPS064	72	A
COMPASS	OVLN	DIS	,* CANT LOAD -----*	CPS064	73	A
COMPASS				CPS064	74	A
COMPASS	OVLN	BSS	0 LOADER PARAMETERS, SET BY *SFL* IN PASS 0	CPS064	75	A
COMPASS	LIB	IFC	EQ, "CP.OVLN"	CPS064	76	A
COMPASS	CON	0L"OVLA"	USE GLOBAL LIBRARY SET	CPS064	77	A
COMPASS	VFD	12/,12/0140B,18/,18/		CPS064	78	A
COMPASS	LIB	ELSE		CPS064	79	A
COMPASS	CON	0L"CP.OVLN"	USE SPECIFIED LIBRARY	CPS064	80	A
COMPASS	VFD	12/,12/2140B,18/,18/		CPS064	81	A
COMPASS	LIB	ENDIF		CPS064	82	A
COMPASS				CPS064	83	A
COMPASS	OVLZ	BSS	3 SPACE FOR LOADER PARAMETER LIST	CPS064	84	A
COMPASS				CPS064	85	A
COMPASS	OVL	ENDIF		CPS064	86	A
COMPASS	PRESET	SPACE	4	COMPASS	2252	A
COMPASS	**	PRESET	- PRESET AREA OF STORAGE.	COMPASS	2253	A
COMPASS	*	DISASTER	IF FWA IS GREATER THAN LWA.	COMPASS	2254	A
COMPASS	*	ENTRY	(X1) = DATA.	COMPASS	2255	A
COMPASS	*		(X2) = FWA.	COMPASS	2256	A
COMPASS	*		(X3) = LWA+1.	COMPASS	2257	A
COMPASS				COMPASS	2258	A
COMPASS				COMPASS	2259	A
COMPASS	PRESET	PS	RETURN EXIT	COMPASS	2260	A
COMPASS		BX6	X1	COMPASS	2261	A
COMPASS		IX0	X3-X2	COMPASS	2262	A
COMPASS		SX3	B1	COMPASS	2263	A
COMPASS		SA6	X2	COMPASS	2264	A
COMPASS		BX2	X0*X3	COMPASS	2265	A
COMPASS		AX0	1	COMPASS	2266	A
COMPASS		ZR	X0,PRESET	COMPASS	2267	A
COMPASS	+	BX7	X1	COMPASS	2268	A
COMPASS		ZR	X2,*+1	COMPASS	2269	A
COMPASS		SA6	A6+B1	COMPASS	2270	A
COMPASS		IX0	X0-X3	COMPASS	2271	A
COMPASS		SA6	A6+B1	COMPASS	2272	A
COMPASS		ZR	X0,PRESET	COMPASS	2273	A
COMPASS	+	IX0	X0-X3	COMPASS	2274	A
COMPASS		SA7	A6+B1	COMPASS	2275	A
COMPASS		SA6	A7+B1	COMPASS	2276	I
-CMP30						

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	PULL	PS	RETURN EXIT	CMP30	1775	A
COMPASS		MX0	-6	CMP30	1776	A
COMPASS		SB7	X1	CMP30	1777	A
COMPASS		AX1	18	CMP30	1778	A
COMPASS		BX7	-X0*X1	CMP30	1779	A
COMPASS		ZR	X7,PULL1	CMP30	1780	A
COMPASS		AX1	6	CMP30	1781	A
COMPASS		SB6	X7	CMP30	1782	A
COMPASS		BX7	-X0*X1	CMP30	1783	A
COMPASS		SA2	A1+B6	CMP30	1784	A
COMPASS		AX1	6	CMP30	1785	A
COMPASS		SB5	X7	CMP30	1786	A
COMPASS		BX3	-X0*X1	CMP30	1787	A
COMPASS		MX0	1	CMP30	1788	A
COMPASS		SB4	X3	CMP30	1789	A
COMPASS		SX3	X3+B5	CMP30	1790	A
COMPASS		SB4	B4-59	CMP30	1791	A
COMPASS		LX0	X0,B4	CMP30	1792	A
COMPASS		SB4	B4-B1	CMP30	1793	A
COMPASS		LX0	X0,B5	CMP30	1794	A
COMPASS		SB4	X3+B4	CMP30	1795	A
COMPASS		BX7	X0*X2	CMP30	1796	A
COMPASS		SX4	B6	CMP30	1797	A
COMPASS		LE	B4,B0,PULL2	CMP30	1798	A
COMPASS		MX3	0	CMP30	1799	A
COMPASS		SX4	B6-B1	CMP30	1800	A
COMPASS	PULL2	BX6	-X0*X2	CMP30	1801	A
COMPASS		LX1	6	CMP30	1802	A
COMPASS		SA7	A2	CMP30	1803	A
COMPASS		BX2	X1+X3	CMP30	1804	A
COMPASS		AX6	X6,B5	CMP30	1805	I
-CPS232						
COMPASS		SB6	60	CPS232	6	A
COMPASS		SB5	B6-B5	CPS232	7	A
COMPASS		LX6	B5	CPS232	8	A
COMPASS		SX3	B7+B1	CMP30	1806	A
COMPASS		LX4	18	CMP30	1807	A
COMPASS		BX1	X4+X3	CMP30	1808	A
COMPASS		LX2	24	CMP30	1809	A
COMPASS		BX7	X2+X1	CMP30	1810	A
COMPASS		LX1	X6	CMP30	1811	A
COMPASS		SA7	A1	CMP30	1812	A
COMPASS		EQ	PULL	CMP30	1813	A
COMPASS	PUSH	SPACE	4	CMP30	1814	A
COMPASS	**	PUSH	- ADD NEW ENTRY AT TOP OF A PUSH-DOWN STACK.	CMP30	1815	A
COMPASS	*	ENTRY	(X1) = STACK CONTROL WORD.	CMP30	1816	A
COMPASS	*		(A1) = ADDRESS OF SAME.	CMP30	1817	A
COMPASS	*		(X6) = VALUE TO BE ADDED TO STACK.	CMP30	1818	A
COMPASS	*	EXIT	IF STACK OVERFLOWS, BOTTOM-MOST ENTRY IS LOST.	CMP30	1819	A
COMPASS				CMP30	1820	A
COMPASS				CMP30	1821	A
COMPASS	PUSH1	SX3	B5	CMP30	1822	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	LX7	18		CMP30	1823	A
COMPASS	BX2	X1+X3		CMP30	1824	A
COMPASS	SX1	B7-B1	DECREMENT AVAILABLE ENTRY COUNT	CMP30	1825	A
COMPASS	BX6	X7+X1		CMP30	1826	A
COMPASS	LX2	24		CMP30	1827	A
COMPASS	BX6	X2+X6	RESTORE CONTROL WORD	CMP30	1828	A
COMPASS	SA6	A1		CMP30	1829	A
COMPASS				CMP30	1830	A
COMPASS	PUSH	PS	RETURN EXIT	CMP30	1831	A
COMPASS	MX0	-6		CMP30	1832	A
COMPASS	SB7	X1	AVAILABLE ENTRY COUNT	CMP30	1833	A
COMPASS	AX1	18		CMP30	1834	A
COMPASS	BX7	-X0*X1		CMP30	1835	A
COMPASS	ZR	B7,PUSH3	IF STACK IS FULL	CMP30	1836	A
COMPASS	AX1	6		CMP30	1837	A
COMPASS	SB6	X7	CURRENT WORD NUMBER	CMP30	1838	A
COMPASS	BX3	-X0*X1	CURRENT BIT POSITION	CMP30	1839	A
COMPASS	AX1	6		CMP30	1840	A
COMPASS	BX2	-X0*X1		CMP30	1841	A
COMPASS	SB5	X2	BITS PER ENTRY	CMP30	1842	A
COMPASS	ZR	X3,PUSH2	IF WORD IS FULL	CMP30	1843	A
COMPASS	SA2	A1+B6		CMP30	1844	A
COMPASS	SB6	-B5		CMP30	1845	A
COMPASS	SB5	X3+B6	NEW BIT POSITION	CMP30	1846	A
COMPASS	LX3	X6,B5	POSITION NEW ENTRY VALUE	CMP30	1847	A
COMPASS	BX6	X2+X3	APPEND TO CURRENT WORD	CMP30	1848	A
COMPASS	SA6	A2	STORE IT BACK	CMP30	1849	A
COMPASS	LX1	6		CMP30	1850	A
COMPASS				CMP30	1851	A
COMPASS	PUSH2	EQ	PUSH1	CMP30	1851	A
COMPASS		LX1	-6	CMP30	1852	A
COMPASS		SB6	B6+B1	CMP30	1853	A
COMPASS		BX2	-X0*X1	CMP30	1854	A
COMPASS		SB5	X2+B5	CMP30	1855	A
COMPASS		SB4	60	CMP30	1856	A
COMPASS		LX1	12	CMP30	1857	A
COMPASS		SB5	B4-B5	CMP30	1858	A
COMPASS		LX6	X6,B5	CMP30	1859	A
COMPASS		SX7	B6	CMP30	1860	A
COMPASS		NO		CMP30	1861	A
COMPASS		SA6	A1+B6	CMP30	1862	A
COMPASS		EQ	PUSH1	CMP30	1863	A
COMPASS	PUSH3	AX1	6	CMP30	1864	A
COMPASS		SB7	X7	CMP30	1865	A
COMPASS		BX7	-X0*X1	CMP30	1866	A
COMPASS		AX1	6	CMP30	1867	A
COMPASS		SB6	X7	CMP30	1868	A
COMPASS		BX7	-X0*X1	CMP30	1869	A
COMPASS		AX1	6	CMP30	1870	A
COMPASS		SB5	X7	CMP30	1871	A
COMPASS		BX7	-X0*X1	CMP30	1872	A
COMPASS		MX0	1	CMP30	1873	A
COMPASS		SB4	B5-59	CMP30	1874	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	RJ	RFL	REQUEST FL OF CP.AFLS	F4810B	F4810B	103	I	
COMPASS	-CPSA126	SA2	O.CMPTAB	RESTORE SAVED COMPILER SPACE	F4810B	F4810B	104	I
COMPASS	-CPSA126	SA1	CP.AFLS		F4810B	F4810B	105	I
COMPASS	-CPSA126	SB3	X1		F4810B	F4810B	106	I
COMPASS	-CPSA126	SA1	CP.NFLS		F4810B	F4810B	107	I
COMPASS	-CPSA126	SA3	X2	RETRIEVE ORIGINAL CP.NFLS FROM TABLE	F4810B	F4810B	108	I
COMPASS	-CPSA126	AX3	30-0		F4810B	F4810B	109	I
COMPASS	-CPSA126	BX6	X3		F4810B	F4810B	110	I
COMPASS	-CPSA126	SA6	A1	RESTORE ORIGINAL CP.NFLS	F4810B	F4810B	111	I
COMPASS	-CPSA126	SB4	X1	DESTINATION ADDRESS OF FIRST WORD IN TABLE	F4810B	F4810B	112	I
COMPASS	-CPSA126 RCS1	GE	B4,B3,RCS	IF THROUGH, RETURN	F4810B	F4810B	113	I
COMPASS	-CPSA126	SX2	X2+B1	INCREMENT SOURCE ADDRESS	F4810B	F4810B	114	I
COMPASS	-CPSA126	SA3	X2		F4810B	F4810B	115	I
COMPASS	-CPSA126	BX6	X3		F4810B	F4810B	116	I
COMPASS	-CPSA126	SA6	B4		F4810B	F4810B	117	I
COMPASS	-CPSA126	SB4	B4+B1	INCREMENT DESTINATION ADDRESS	F4810B	F4810B	118	I
COMPASS	-CPSA126	EQ	RCS1	CONTINUE	F4810B	F4810B	119	I
COMPASS		SA1	L.CMPTAB			CPSA126	6	A
COMPASS		ZR	X1,RCS	IF NOT CALLED BY A COMPILER		CPSA126	7	A
COMPASS		SA1	FTNE			CPSA168	8	I
	-CPSA184							
COMPASS		SA1	FTNE+1			CPSA184	6	A
COMPASS		ZR	X1,RCS05	IF WE DIDNT SET UP E FILE BUFFER ADDRESSES.		CPSA184	7	A
COMPASS		BX6	X1			CPSA184	8	A
COMPASS		SA6	E+4	RESTORE BUFFER LENGTH		CPSA184	9	A
COMPASS		SA1	E+1			CPSA184	10	A
COMPASS		MX6	-18			CPSA184	11	A
COMPASS		BX1	X6+X1	CLEAR FIRST ADDRESS IN FET		CPSA184	12	I
	-CPSA236							
COMPASS		BX6	X6*X1	CLEAR FIRST ADDRESS IN FET		CPSA236	6	A
COMPASS		SA6	A1			CPSA184	13	A
COMPASS		MX6	0			CPSA184	14	A
COMPASS		SA6	A6+B1	CLEAR IN ADDRESS IN FET		CPSA184	15	A
COMPASS		SA6	A6+B1	CLEAR OUT ADDRESS IN FET.		CPSA184	16	A
COMPASS	RCS05	SA1	FTNE			CPSA184	17	A
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS		BX6	X1			CPSA168	9	A
COMPASS		SA6	E	RESTORE E FET FOR FTN.		CPSA168	10	A
COMPASS		SA1	O.CMPTAB	ELSE GET ORIGINAL CP.AFLS AND CP.NFLS		CPSA126	8	A
COMPASS		SA3	X1			CPSA126	9	A
COMPASS		BX6	X3			CPSA126	10	A
COMPASS		SA6	CP.AFLS	SAVE TO LATER RESTORE CP.NFLS AND CP.AFLS		CPSA126	11	A
COMPASS		SX1	X3			CPSA126	12	A
COMPASS		AX3	30			CPSA126	13	A
COMPASS		IX3	X1-X3	ORIGINAL CP.AFLS-ORIGINAL CP.NFLS		CPSA126	14	A
COMPASS		ZR	X3,RCS2	IF NO SPACE SAVED, GO RESTORE FL.		CPSA126	15	A
COMPASS		SB3	5	ELSE EMPTY ALL TABLES EXCEPT CMPTAB		CPSA126	16	A
COMPASS		MX6	0			CPSA126	17	A
COMPASS		SA6	L.INTER	FIRST TABLE TO BE EMPTIED		CPSA126	18	A
COMPASS	RCS1	SB3	B3-B1			CPSA126	19	A
COMPASS		SA6	A6+B1	SET NEXT TABLE LENGTH TO ZERO		CPSA126	20	A
COMPASS		GT	B3,B1,RCS1	IF NOT THROUGH		CPSA126	21	A
COMPASS		RJ	MTD	MOVE TABLES DOWN		CPSA126	22	A
COMPASS		SA2	O.CMPTAB	GET ORGIN OF COMPILER TABLE		CPSA126	23	A
COMPASS		SA1	X2	GET ORIGINAL CONTENTS OF CP.AFLS, CP.NFLS		CPSA126	24	A
COMPASS		SX1	X1	GET RID OF TOP PART OF WORD		CPSA126	25	A
COMPASS	RCS2	BX1	-X1			CPSA126	26	A
COMPASS		RJ	RFL	RESTORE ORIGINAL FL TO ORIGINAL CP.AFLS		CPSA126	27	A
COMPASS		SA2	O.CMPTAB			CPSA126	28	A
COMPASS		SA1	L.CMPTAB			CPSA126	29	A
COMPASS		SX1	X1-1	WORD COUNT FOR MOVE (IGNORE FIRST WORD)		CPSA126	30	A
COMPASS		ZR	X1,RCS3	IF NONE SAVED, GO RESTORE CP.NFLS, CP.AFLS		CPSA126	31	A
COMPASS		SA3	X2	FWA OF CMPTAB		CPSA126	32	A
COMPASS		SX2	X2+B1	SKIP CELL STORING CP.AFLS AND CP.NFLS		CPSA126	33	A
COMPASS		AX3	30-0	DESTINATION ADDRESS (CP.NFLS)		CPSA126	34	A
COMPASS		RJ	MOVE	RESTORE COMPILER SPACE		CPSA126	35	A
COMPASS	RCS3	SA3	CP.AFLS	GET ORIGINAL CP.NFLS, CP.AFLS		CPSA126	36	A
COMPASS		SX7	X3			CPSA126	37	A
COMPASS		AX3	30			CPSA126	38	A
COMPASS		BX6	X3			CPSA126	39	A
COMPASS		SA6	CP.NFLS	RESTORE ORIGINAL CP.NFLS		CPSA126	40	A
COMPASS		SA7	CP.AFLS	RESTORE ORIGINAL CP.AFLS		CPSA126	41	A
COMPASS		EQ	RCS	RETURN		CPSA126	42	A
COMPASS	RFL	SPACE	4,10		F4810B	F4810B	120	A
COMPASS	**	RFL -	REQUEST FIELD LENGTH		F4810B	F4810B	121	A
COMPASS	*	ENTRY	(X1) = +	REQUESTS MIN(X1+FLINC+CP.NFLS,MAXFL)	F4810B	F4810B	122	A
COMPASS	*			WHERE X1 IS NUMBER OF ADDITIONAL WORDS REQ.	F4810B	F4810B	123	A
COMPASS	*		-	REQUESTS MIN(-X1,MAXFL)	F4810B	F4810B	124	A
COMPASS	*			WHERE -X1 IS A SPECIFIC FL REQUIRED	F4810B	F4810B	125	A
COMPASS	*	EXIT	(X3) = NZ	FIELD LENGTH REQUEST COMPLETED	F4810B	F4810B	126	A
COMPASS	*		0	INDICATES FIELD LENGTH ALREADY = MAXFL	F4810B	F4810B	127	A
COMPASS	*				F4810B	F4810B	128	A
COMPASS	*	USES	A	2,3,4,6	F4810B	F4810B	129	A
COMPASS	*		B	NONE	F4810B	F4810B	130	A
COMPASS	*		X	1,2,3,4,6	F4810B	F4810B	131	A
COMPASS					F4810B	F4810B	132	A
COMPASS					F4810B	F4810B	133	A
COMPASS	RFL	PS		RETURN EXIT	F4810B	F4810B	134	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA2	MAXFL	MAXIMUM FL	F4810B	F4810B	135	A
COMPASS	BX6	-X1		F4810B	F4810B	136	A
COMPASS	SA4	CP.NFLS	CURRENT FL	F4810B	F4810B	137	A
COMPASS	MI	X1,RFL1	IF REQUESTING SPECIFIC FIELD LENGTH	F4810B	F4810B	138	A
COMPASS	IX3	X2-X4	ELSE REQUESTING X ADDITIONAL WORDS FL	F4810B	F4810B	139	A
COMPASS	ZR	X3,RFL	IF ALREADY AT MAX., RETURN	F4810B	F4810B	140	I
-CPSA125							
COMPASS	NZ	X3,RFL0	IF NOT ALREADY AT MAX. FL.		CPSA125	43	A
COMPASS	SX6	B1	ELSE SET FLAG TO USE LAST 1000 WORDS		CPSA125	44	A
COMPASS	SA6	LSTTHOU			CPSA125	45	A
COMPASS	EQ	RFL	RETURN		CPSA125	46	A
COMPASS					CPSA125	47	A
COMPASS	RFL0	BSS	0		CPSA125	48	A
COMPASS	IX6	X4+X1	WORDS REQUESTED + CURRENT FL	F4810B	F4810B	141	A
COMPASS	SX3	FLINC	FL INCREMENT	F4810B	F4810B	142	A
COMPASS	IX6	X6+X3	WORDS REQUESTED + CURRENT FL + FLINC	F4810B	F4810B	143	A
COMPASS	MX3	-6	ROUND UP REQUEST	F4810B	F4810B	144	I
-CPSA125							
COMPASS	SX6	X6+77B		F4810B	F4810B	145	I
-CPSA125							
COMPASS	RFL1	MX3	-6		CPSA125	49	A
COMPASS		IX6	X6-X3		CPSA125	50	A
COMPASS		BX6	X3*X6	F4810B	F4810B	146	A
COMPASS	RFL1	IX3	X2-X6	F4810B	F4810B	147	I
-CPSA125							
COMPASS	IX3	X2-X6			CPSA125	51	A
COMPASS	PL	X3,RFL2	IF REQUEST NOT GREATER THAN MAXIMUM JOB FL	F4810B	F4810B	148	A
COMPASS	BX6	X2	ELSE REQUEST MAXIMUM JOB FL	F4810B	F4810B	149	A
COMPASS	RFL2	LX6	30-0	F4810B	F4810B	150	I
-SIE7969							
COMPASS	RFL2	IX2	X4-X6		SIE7969	5	A
COMPASS	ZR	X2,RFL	IF REQUEST = CURRENT, RETURN		SIE7969	6	A
COMPASS	LX6	30-0			SIE7969	7	A
COMPASS	SA6	A4	PREPARE REQUEST/REPLY WORD	F4810B	F4810B	151	A
COMPASS	MEMORY	CM,CP.NFLS,	RECALL MAKE MEMORY REQUEST	F4810B	F4810B	152	A
COMPASS	SA2	CP.NFLS	GET REPLY WORD	F4810B	F4810B	153	A
COMPASS	AX2	30-0	SHIFT RETURNED FL INTO LOWER 30 BITS	F4810B	F4810B	154	A
COMPASS	BX6	X2		F4810B	F4810B	155	A
COMPASS	SA6	CP.NFLS	SET UP NEW CURRENT FL	F4810B	F4810B	156	A
COMPASS	SA3	LOCORE	UNUSABLE SPACE	F4810B	F4810B	157	A
COMPASS	SX6	X6-10	ALLOW TEN WORDS FOR SLOP	F4810B	F4810B	158	A
COMPASS	SA6	O.ENDTAB	RESET END OF TABLES POINTER	F4810B	F4810B	159	A
COMPASS	IX6	X6-X3	NEW FL - UNUSABLE SPACE - 10 WORDS SLOP	F4810B	F4810B	160	A
COMPASS	SA6	SIZCORE	SET TABLE SPACE	F4810B	F4810B	161	A
COMPASS	EQ	RFL	RETURN	F4810B	F4810B	162	A
COMPASS	RLC	SPACE	4		CMP30	1902	A
COMPASS	**	RLC -	READ LARGE CORE MEMORY.		CMP30	1903	A
COMPASS	*	ENTRY	(X1) = LCM FWA.		CMP30	1904	A
COMPASS	*		(X2) = SCM FWA.		CMP30	1905	A
COMPASS	*		(X3) = WORD COUNT.		CMP30	1906	A
COMPASS	*	USES	X0, X1, A0, B5, B6, B7.		CMP30	1907	I
-CP096A							

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	ENV	(4,5,6,7,8,9),ECS	CPS167	5	I
COMPASS	-CPSA134		F7540CP	86	I
COMPASS	-CPSA134		F7540CP	87	I
COMPASS	ECS	ELSE	F7540CP	87	I
COMPASS	-CPSA134				
COMPASS	ECS	IF DEF,HAFEXIT	CPSA134	70	A
COMPASS			CMP30	1938	A
COMPASS	RLC3	PS	CMP30	1939	A
COMPASS		SB5 B5-B1	CMP30	1940	A
COMPASS		MI B5,RLC4 IF FAILURE AFTER 4 ATTEMPTS	CMP30	1941	A
COMPASS	+	RE B6	CMP30	1942	A
COMPASS	-	EQ RLC3+1 IF ERROR	CMP30	1943	A
COMPASS		SB5 3 RESET RETRY COUNT	CMP30	1944	A
COMPASS		EQ RLC3 RETURN	CMP30	1945	A
COMPASS	RLC4	MESSAGE RLCM,,R	CMP30	1946	A
COMPASS		RJ RPD RESTORE DEFAULT PRINT DENSITY IF NECESSARY	F4810A	109	A
COMPASS		ABORT ,NODUMP	CMP30	1947	A
COMPASS			CMP30	1948	A
COMPASS	RLCM	DATA C* ASSEMBLY ABORTED - ECS READ ERROR.*	CMP30	1949	A
COMPASS			CMP30	1950	A
COMPASS	ECS	ENDIF	CMP30	1951	A
COMPASS	RPD	SPACE 4,10	F4810A	110	A
COMPASS	**	RPD - RESTORE PRINT DENSITY.	F4810A	111	A
COMPASS	*	RESTORE PRINTER DENSITY TO DEFAULT IF IT HAS BEEN CHANGED.	F4810A	112	A
COMPASS			F4810A	113	A
COMPASS			F4810A	114	A
COMPASS	RPD	PS	F4810A	115	A
COMPASS		RETURN EXIT	F4810A	115	A
COMPASS	SA2	LASTLIN	F4810A	116	I
COMPASS	-CPS236				
COMPASS	ZR	X2,RPD	F4810A	117	I
COMPASS	-CPS236				
COMPASS	SA2	FRSTLIN	CPS236	13	A
COMPASS	ZR	X2,RPD	CPS236	14	A
COMPASS		CHECK IF PRINT DENSITY IS EIGHT			
COMPASS		IF PRINT DENSITY IS SIX, LEAVE IT.			
COMPASS			F4810A	118	A
COMPASS	RM	IFEQ CP#RM,0	F4810A	119	A
COMPASS		SA2 CP.LISTF	F4810A	120	A
COMPASS		ZR X2,RPD1 IF NO LONG LIST	F4810A	121	A
COMPASS		WRITEH 0, LASTLIN,1 RESTORE PRINTER TO DEFAULT PRINT DENSITY	F4810A	122	I
COMPASS	-CPS236				
COMPASS		WRITEH 0, LASTLIN,1 RESTORE PRINTER TO SIX LPI DENSITY	CPS236	15	I
COMPASS	-CPSA265				
COMPASS	SA1	LASTLIN	CPSA265	39	A
COMPASS	ZR	X1,RDP0	CPSA265	40	A
COMPASS		WRITEH 0,A1,1	CPSA265	41	A
COMPASS	RDP0	BSS 0	CPSA265	42	A
COMPASS		WRITER 0,RECALL	F4810A	123	A
COMPASS	RPD1	SA1 E	F4810A	124	I
COMPASS	-CPS236				
COMPASS	SA2	E+2	F4810A	125	I
COMPASS	-CPS236				
COMPASS	SA3	A2+B1	F4810A	126	I
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS236

1	COMPASS	-CPS236	LX1	59-3		F4810A	F4810A	127		I
2	COMPASS	-CPS236	IX4	X2-X3	CHECK IF BUFFER EMPTY	F4810A	F4810A	128		I
3	COMPASS	-CPS236	MI	X1,RPD2	IF ANYTHING WAS WRITTEN	F4810A	F4810A	129		I
4	COMPASS	-CPS236	ZR	X4,RPD	IF BUFFER EMPTY AND NOTHING WRITTEN ON FILE	F4810A	F4810A	130		I
5	COMPASS	-CPS236	RPD2	WRITEH E, LASTLIN, 1	RESTORE PRINTER TO DEFAULT PRINT DENSITY	F4810A	F4810A	131		I
6	COMPASS	-CPS236	RPD1	SA1	CP.EPAG		CPS236	16	A	
7	COMPASS	-CPS236	LX1	B1	TEST *WRITTEN TO* FLAG (58)		CPS236	17	A	
8	COMPASS	-CPS236	PL	X1,RPD	IF NOTHING WAS WRITTEN TO ERROR FILE.		CPS236	18	A	
9	COMPASS	-CPS236	RPD2	WRITEH E, LASTLIN, 1	RESTORE PRINTER TO SIX LPI DENSITY		CPS236	19		I
10	COMPASS	-CPSA265	SA1	LASTLIN			CPSA265	43	A	
11	COMPASS	-CPSA265	ZR	X1,RPD2	IF PRINT DENSITY AT DEFAULT		CPSA265	44	A	
12	COMPASS	-CPSA265	WRITEH	E, A1, 1			CPSA265	45	A	
13	COMPASS	-CPSA265	BSS	0			CPSA265	46	A	
14	COMPASS	-CPSA265	WRITER	E, RECALL		F4810A	F4810A	132	A	
15	COMPASS	-CPSA265	EQ	RPD	RETURN	F4810A	F4810A	133	A	
16	COMPASS	-CPSA265				F4810A	F4810A	134	A	
17	COMPASS	-CPSA265	RM	ELSE		F4810A	F4810A	135	A	
18	COMPASS	-CPSA265	SA1	LASTLIN			CPSA265	47	A	
19	COMPASS	-CPSA265	ZR	X1,RPD	IF PRINT DENSITY AT DEFAULT		CPSA265	48		I
20	COMPASS	-CPSA266	ZR	X1,RPD	IF PRINT DENSITY AT DEFAULT		CPSA266	7	A	
21	COMPASS	-CPSA266	SA2	CP.LISTF		F4810A	F4810A	136	A	
22	COMPASS	-CPSA266	ZR	X2,RPD1	IF NO LONG LIST	F4810A	F4810A	137	A	
23	COMPASS	-CPSA266	PUT	0, LASTLIN, 10	RESTORE PRINTER TO DEFAULT PRINT DENSITY	F4810A	F4810A	138		I
24	COMPASS	-CPS236	PUT	0, LASTLIN, 10	RESTORE PRINTER TO SIX LPI DENSITY		CPS236	20	A	
25	COMPASS	-CPS236	CLOSEM	0, N		F4810A	F4810A	139		I
26	COMPASS	-CPS236	CHECK	0		F4810A	F4810A	140		I
27	COMPASS	-CPS236	RPD1	SA1	E	F4810A	F4810A	141		I
28	COMPASS	-CPS236	ZR	X1,RPD	IF NO ERROR LIST (SHORT LIST)	F4810A	F4810A	142		I
29	COMPASS	-CPS236	PUT	E, LASTLIN, 10	RESTORE PRINTER TO DEFAULT PRINT DENSITY	F4810A	F4810A	143		I
30	COMPASS	-CPS236	CLOSEM	E, N		F4810A	F4810A	144		I
31	COMPASS	-CPS236	CHECK	E		F4810A	F4810A	145		I
32	COMPASS	-CPS236	RPD1	SA1	CP.EPAG		CPS236	21	A	
33	COMPASS	-CPS236	LX1	B1	TEST *WRITTEN TO* FLAG (58).		CPS236	22	A	
34	COMPASS	-CPS236	PL	X1,RPD	IF NOTHING WAS WRITTEN TO ERROR FILE.		CPS236	23	A	
35	COMPASS	-CPS236	PUT	E, LASTLIN, 10	RESTORE PRINTER TO SIX LPI DENSITY		CPS236	24	A	
36	COMPASS	-CPS236	EQ	RPD	RETURN	F4810A	F4810A	146	A	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SX7	B7		CP147	52	A
COMPASS	SA7	CHAR	UPDATE CURRENT CHARACTER CELL	CP147	53	A
COMPASS	LX7	2	SHIFT COUNT = 4*(CHAR)-4*1R+-1	CP147	54	A
COMPASS	SB3	X7-1R+*4-1		CP147	55	A
COMPASS	LX3	B3		CP147	56	A
COMPASS	BX5	-X4*X3		CP147	57	A
COMPASS	SB2	X5-1	SEPARATOR CODE	CP147	58	A
COMPASS	SCE3	SX7	A1-CARD+1 UPDATE POINTER TO CARD IMAGE	CP147	59	A
COMPASS	SA7	COLUMN		CP147	60	A
COMPASS	BX1	X6		CP147	61	A
COMPASS	EQ	SCE	EXIT	CP147	62	A
COMPASS	SCITEM	SPACE	4	COMPASS	2298	A
COMPASS	**	SCITEM	- SCAN ITEM IN ADDRESS FIELD.	COMPASS	2299	A
COMPASS	*	AERR	NOTED IF GREATER THAN 8 CHARS, AND SYMBOL TRUNCATED.	COMPASS	2300	A
COMPASS	*	SEPARATORS	ARE + - * BLANK COMMA &	COMPASS	2301	A
COMPASS	*	* AND /	APPLY ONLY IF NOT FIRST CHARACTER.	COMPASS	2302	A
COMPASS	*	EXIT	(X6) = SCANNED ITEM.	COMPASS	2303	A
COMPASS	*		(X1) = TERMINATOR CHARACTER.	COMPASS	2304	A
COMPASS				COMPASS	2305	A
COMPASS				COMPASS	2306	A
COMPASS	SCITEM1	LX6	6	COMPASS	2307	A
COMPASS	BX6	X1+X6	APPEND CHARACTER	COMPASS	2308	A
COMPASS	SA1	A1+B1	FETCH NEW CHARACTER	COMPASS	2309	A
COMPASS	LX2	X3		COMPASS	2310	A
COMPASS	SCITEM2	SB7	X1	COMPASS	2311	A
COMPASS	AX2	X2,B7		COMPASS	2312	A
COMPASS	LX2	59		COMPASS	2313	A
COMPASS	PL	X2,SCITEM1		COMPASS	2314	A
COMPASS	SX7	A1-CARD+1		COMPASS	2315	A
COMPASS	SA7	COLUMN		COMPASS	2316	A
COMPASS	BX7	X1		COMPASS	2317	A
COMPASS	MX2	12		COMPASS	2318	A
COMPASS	SA7	CHAR		COMPASS	2319	A
COMPASS	BX3	X2*X6	CHECK FOR MORE THAN 8 CHARACTERS	COMPASS	2320	A
COMPASS	SX7	B1		COMPASS	2321	A
COMPASS	ZR	X3,SCITEM		COMPASS	2322	A
COMPASS	BX6	-X2*X6	TRUNCATE TO 8 CHARACTERS	COMPASS	2323	A
COMPASS	SA7	AERR	NOTE ERROR	COMPASS	2324	A
COMPASS	SA7	EFLG		COMPASS	2325	A
COMPASS				COMPASS	2326	A
COMPASS	SCITEM	PS	RETURN EXIT	COMPASS	2327	A
COMPASS	SA1	COLUMN		COMPASS	2328	A
COMPASS	SA2	=2003006BS36	MASK FOR +- ,B&	COMPASS	2329	A
COMPASS	SA1	X1+CARD-1	FETCH CURRENT CHARACTER	COMPASS	2330	A
COMPASS	SA3	=2003036BS36	MASK FOR +-*/ ,B&	COMPASS	2331	A
COMPASS	BX6	X6-X6		COMPASS	2332	A
COMPASS	EQ	SCITEM2		COMPASS	2333	A
COMPASS	SCLIST	SPACE	4	COMPASS	2334	A
COMPASS	**	SCLIST	- SCAN ITEMS SEPARATED BY COMMA AND TERMINATED BY	COMPASS	2335	A
COMPASS	*	A	BLANK.	COMPASS	2336	A
COMPASS	*	AERR	NOTED IF GREATER THAN 8 CHARACTERS.	COMPASS	2337	A
COMPASS	*	COMMA	THROWN AWAY.	COMPASS	2338	A

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\* EXIT (X6) = SCANNED ITEM.

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA6	COL+1	COMPASS	2420	A
COMPASS	SA7	IOP	COMPASS	2421	A
COMPASS	SB7	X1+B2	COMPASS	2422	A
COMPASS	SB6	X1-1R,	COMPASS	2423	A
COMPASS	ZR	B7,SETUPC	COMPASS	2424	A
COMPASS	NZ	B6,SETUP0	COMPASS	2425	A
COMPASS	SETUPC	SX6	COMPASS	2426	A
COMPASS	SA1	STYPE	COMPASS	2427	A
COMPASS	SB7	X1-1R	COMPASS	2428	A
COMPASS	NZ	B7,SETUP	COMPASS	2429	A
COMPASS	SA6	A1	COMPASS	2430	A
COMPASS	EQ	SETUP	COMPASS	2431	A
COMPASS	SVF	SPACE 4	COMPASS	2432	I
COMPASS	-CMP30				
COMPASS	**	SVF - SAVE LIST FLAGS.	COMPASS	2433	I
COMPASS	-CMP30				
COMPASS	-CMP30		COMPASS	2434	I
COMPASS	-CMP30		COMPASS	2435	I
COMPASS	-CMP30				
COMPASS	SVF	PS	COMPASS	2436	I
COMPASS	-CMP30	RETURN EXIT			
COMPASS	SB7	LLISTOPS-2	COMPASS	2437	I
COMPASS	-CMP30				
COMPASS	SA1	LISTOPS+1	COMPASS	2438	I
COMPASS	-CMP30				
COMPASS	BX6	X1	COMPASS	2439	I
COMPASS	-CMP30				
COMPASS	SB2	B1+B1	COMPASS	2440	I
COMPASS	-CMP30				
COMPASS	SVF1	SA1	COMPASS	2441	I
COMPASS	-CMP30	A1+B2			
COMPASS	LX6	1	COMPASS	2442	I
COMPASS	-CMP30				
COMPASS	BX6	X6+X1	COMPASS	2443	I
COMPASS	-CMP30				
COMPASS	SB7	B7-B2	COMPASS	2444	I
COMPASS	-CMP30				
COMPASS	NZ	B7,SVF1	COMPASS	2445	I
COMPASS	-CMP30	LOOP			
COMPASS	SA6	SLIST	COMPASS	2446	I
COMPASS	-CMP30				
COMPASS	EQ	SVF	COMPASS	2447	I
COMPASS	-CMP30	RETURN			
COMPASS	SLO	SPACE 4	COMPASS	2448	A
COMPASS	**	SLO - SET LIST OPTIONS.	COMPASS	2449	A
COMPASS			COMPASS	2450	A
COMPASS			COMPASS	2451	A
COMPASS	SLO	PS	COMPASS	2452	A
COMPASS	-CMP30	RETURN EXIT			
COMPASS	SA1	XLIST	COMPASS	2453	A
COMPASS	NZ	X1,SLO	COMPASS	2454	A
COMPASS	SA1	CHAR	COMPASS	2455	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SB7	X1-1R*	COMPASS	2456	A		
COMPASS	ZR	B7,SL05	COMPASS	2457	A		
COMPASS	RJ	SVF	COMPASS	2458	I		
-CMP30							
COMPASS	SA1	LISTOPS+1	CMP30	1952	A		
COMPASS	SB7	LLISTOPS-2	CMP30	1953	A		
COMPASS	SB2	B1+B1	CMP30	1954	A		
COMPASS	BX6	X1	CMP30	1955	A		
COMPASS	SA1	A1+B2	COLLECT LIST FLAGS	CMP30	1956	A	
COMPASS	LX6	1	CMP30	1957	A		
COMPASS	SB7	B7-B2	CMP30	1958	A		
COMPASS	BX6	X6+X1	CMP30	1959	A		
COMPASS	NZ	B7,*-1	LOOP	CMP30	1960	A	
COMPASS	SA1	LISTSTK	CMP30	1961	A		
COMPASS	RJ	PUSH	PUSH DOWN LIST STACK	CMP30	1962	A	
COMPASS	SA2	COLUMN	COMPASS	2459	A		
COMPASS	SA1	X2+CARD-1	COMPASS	2460	A		
COMPASS	SA0	LLISTOPS/2	COMPASS	2461	A		
COMPASS	SB4	-1R-	COMPASS	2462	A		
COMPASS	SL01	SX7	B1	CHECK LIST OPTION	COMPASS	2463	A
COMPASS		SB3	A0		COMPASS	2464	A
COMPASS		SB2	B1+B1		COMPASS	2465	A
COMPASS		SB7	X1+B4		COMPASS	2466	A
COMPASS		NZ	B7,SL02	IF NOT - OPTION	COMPASS	2467	A
COMPASS		SX7	B0		COMPASS	2468	A
COMPASS		SA1	A1+B1		COMPASS	2469	A
COMPASS	SL02	SA2	LISTOPS		COMPASS	2470	A
COMPASS		SB6	X1		COMPASS	2471	A
COMPASS	SL03	UX6	X2,B7	SEARCH FOR OPTION	COMPASS	2472	A
COMPASS		SB3	B3-B1		COMPASS	2473	A
COMPASS		SA2	A2+B2		COMPASS	2474	A
COMPASS		NG	B3,SL07	IF NOT FOUND	COMPASS	2475	A
COMPASS		NE	B6,B7,SL03	IF NOT LIST OPTION	COMPASS	2476	A
COMPASS		SA7	A2-B1	SET OPTION	COMPASS	2477	A
COMPASS		SB7	-1R		COMPASS	2478	A
COMPASS	SL04	SB6	X1+B7	SCAN OFF EXTRA CHARACTERS	COMPASS	2479	A
COMPASS		SA1	A1+B1		COMPASS	2480	A
COMPASS		EQ	B6,B1,SL01	IF *,*	COMPASS	2481	A
COMPASS		NZ	B6,SL04	IF NOT * *	COMPASS	2482	A
COMPASS		EQ	SL0	RETURN	COMPASS	2483	A
COMPASS	SL05	SA1	SLIST	SET PREVIOUS LIST OPTIONS	COMPASS	2484	I
-CMP30							
COMPASS	SL05	SA1	LISTSTK		CMP30	1963	A
COMPASS		RJ	PULL	PUSH UP LIST STACK	CMP30	1964	A
COMPASS		SX7	B1		COMPASS	2485	A
COMPASS		BX6	X7*X1		COMPASS	2486	A
COMPASS		SA6	LISTOPS+LLISTOPS-1		COMPASS	2487	A
COMPASS		SB7	LLISTOPS/2-1		COMPASS	2488	I
-CMP30							
COMPASS		SB7	NLISTOPS-1		CMP30	1965	A
COMPASS		SB2	B1+B1	RESET LIST FLAGS	CMP30	1966	A
COMPASS	SL06	AX1	1		COMPASS	2489	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	BX6	X7*X1	COMPASS	2490	A
COMPASS	SB7	B7-B1	COMPASS	2491	A
COMPASS	SA6	A6-2	COMPASS	2492	I
-CMP30					
COMPASS	SA6	A6-B2	CMP30	1967	A
COMPASS	NZ	B7,SL06	COMPASS	2493	A
COMPASS	EQ	SL0	COMPASS	2494	A
COMPASS	SL07	B1	COMPASS	2495	I
-CMP30					
COMPASS	SL07	B6-1R\$	CMP30	1968	A
COMPASS	SB3	A0-B1	CMP30	1969	A
COMPASS	NZ	B7,SL08	COMPASS	2493	A
COMPASS	SA7	LISTOPS+1	COMPASS	2494	A
COMPASS	+	B3-B1	COMPASS	2495	I
COMPASS	SA7	A7+B2	CMP30	1968	A
COMPASS	NZ	B3,*	CMP30	1969	A
COMPASS	SB7	-1R	CMP30	1970	A
COMPASS	EQ	SL04	CMP30	1971	A
COMPASS	SL08	B1	CMP30	1972	A
COMPASS	SA6	W8ERR	CMP30	1973	A
COMPASS	SA6	EFLG	CMP30	1974	A
COMPASS	SB7	-1R	CMP30	1975	A
COMPASS	EQ	SL04	CMP30	1976	A
COMPASS	SNT	SPACE 4	CMP30	1977	A
COMPASS	**	SNT - SET NEW TITLE.	COMPASS	2496	A
COMPASS	*	ENTRY (A1) = TITLE BUFFER ADDRESS.	COMPASS	2497	A
COMPASS	*	(X1) = FIRST WORD OF TITLE.	COMPASS	2498	A
COMPASS	*	EXIT (X6) = 1 IF IN XTEXT AND LIST X IS OFF.	COMPASS	2499	A
COMPASS	*	= 0 OTHERWISE.	COMPASS	2500	A
COMPASS			COMPASS	2501	A
COMPASS			COMPASS	2502	A
COMPASS			COMPASS	2503	A
COMPASS			COMPASS	2504	A
COMPASS			COMPASS	2505	A
COMPASS	SNT	PS	COMPASS	2506	A
COMPASS	SA3	LIBFLG	COMPASS	2507	A
COMPASS	SA4	LX+1	COMPASS	2508	A
COMPASS	BX6	-X4*X3	COMPASS	2509	A
COMPASS	NZ	X6,SNT	COMPASS	2510	A
COMPASS	SA2	COL+1	COMPASS	2511	A
COMPASS	SB6	3	COMPASS	2512	A
COMPASS	SB7	TITBUFL+1	COMPASS	2513	A
COMPASS	MX0	18	COMPASS	2514	A
COMPASS	LX1	-18	COMPASS	2515	A
COMPASS	BX6	-X0*X1	COMPASS	2516	A
COMPASS	SB5	A1	COMPASS	2517	A
COMPASS	SA1	X2+CARD-1	COMPASS	2518	A
COMPASS	SNT1	6	COMPASS	2519	A
COMPASS	SB6	B6-B1	COMPASS	2520	A
COMPASS	BX6	X6+X1	COMPASS	2521	A
COMPASS	SA1	A1+B1	COMPASS	2522	A
COMPASS	NZ	B6,SNT1	COMPASS	2523	A
COMPASS	SA6	B5	COMPASS	2524	A
COMPASS	SB7	B7-B1	COMPASS	2525	A
COMPASS	SB6	10	COMPASS	2526	A

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## 14121HE

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## 1412THE

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	VFYLINK	SPACE	4		COMPASS	2617	A		
1	COMPASS	**	VFYLINK - VERIFY LINKAGE SYMBOL.			COMPASS	2618	A	1	
2	COMPASS	*	VALID LINKAGE SYMBOLS MUST BE...			COMPASS	2619	A	2	
3	COMPASS	*	1) 7 OR FEWER CHARACTERS (3 OR FEWER IF PP).			COMPASS	2620	A	3	
4	COMPASS	*	2) BEGIN WITH A-Z IF CP.			COMPASS	2621	A	4	
5	COMPASS	*	ENTRY	(X6) = SYMBOL TO BE CHECKED.		COMPASS	2622	A	5	
6	COMPASS	*	EXIT	(X6) = UNTOUCHED SYMBOL.		COMPASS	2623	I	6	
7										7
8	COMPASS	*	-CPS002						8	
9	COMPASS	*	EXIT	(X1) = (X6) = SYMBOL, TRUNCATED IF NECESSARY.		S002	6	CPS002	1	9
10	COMPASS	*	(X7) = 0 IF OK, "0 IF BAD.			COMPASS	2624	A	10	
11	COMPASS								A	11
12	COMPASS	VFL1	MX7	42	CHECK 3-CHARACTER PP NAME		COMPASS	2625	A	12
13	COMPASS	-CPS002							A	13
14	COMPASS	-CPS002	BX7	X7*X6				COMPASS	2626	14
15	COMPASS	-CPS002							I	15
16	COMPASS	-CPS002							I	16
17	COMPASS	-CPS002							I	17
18	COMPASS	VFYLINK	PS	RETURN EXIT				COMPASS	2627	18
19	COMPASS	-CPS002	MX5	18				COMPASS	2628	19
20	COMPASS	-CPS002	BX7	X5*X6		CHECK FOR 7 CHARACTER NAME		COMPASS	2629	20
21	COMPASS	-CPS002	NZ	X7,VFYLINK		IF SYMBOL BAD		COMPASS	2630	21
22	COMPASS	-CPS002	SA5	PPTYPE				COMPASS	2631	22
23	COMPASS	-CPS002	NZ	X5,VFYLINK		IF 7600 PP		COMPASS	2632	23
24	COMPASS	-CPS002	SA5	MACHINE				COMPASS	2633	24
25	COMPASS	-CPS002	NZ	X5,VFL1		IF PP		COMPASS	2634	25
26	COMPASS	-CPS002	BX4	X6				COMPASS	2635	26
27	COMPASS	-CPS002	MX7	6				COMPASS	2636	27
28	COMPASS	-CPS002	ZR	X6,VFYLINK		CHECK FOR EMPTY NAME		COMPASS	2637	28
29	COMPASS	-CPS002	BX5	X7*X4				COMPASS	2638	29
30	COMPASS	-CPS002	LX4	6		LEFT JUSTIFY NAME		COMPASS	2639	30
31	COMPASS	-CPS002	ZR	X5,*				COMPASS	2640	31
32	COMPASS	-CPS002	SX5	X4-1R0				COMPASS	2641	32
33	COMPASS	-CPS002	PL	X5,VFYLINK		ERROR IF FIRST CHAR NOT LETTER		COMPASS	2642	33
34	COMPASS	-CPS002	MX7	0				COMPASS	2643	34
35	COMPASS	-CPS002	EQ	VFYLINK		EXIT WITH GOOD REPLY		COMPASS	2644	35
36										36
37										37
38										38
39										39
40										40
41										41
42										42
43										43
44										44
45										45
46										46
47										47
48										48
49										49
50										50
51										51
52										52
53										53
54										54

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS002

1	COMPASS	SA4	MACHINE		S002	9	CPS002	2	A	1
2	COMPASS	SA5	PPTYPE		S002	10	CPS002	3	A	2
3	COMPASS	MX3	6		S002	11	CPS002	4	A	3
4	COMPASS	BX1	-X5*X4		S002	12	CPS002	5	A	4
5	COMPASS	MX0	-7*6	SET FOR 7-CHARACTER NAME	S002	13	CPS002	6	A	5
6	COMPASS	BX5	X6		S002	14	CPS002	7	I	6
7	-F4820									7
8	COMPASS	NG	X5,VFL1	IF BCU OR MCU			F4820	61	I	8
9	-CPSA281									9
10	COMPASS	MI	X5,VFL1	IF BCU, MCU, OR 180 PPU			CPSA281	37	A	10
11	COMPASS	ZR	X1,VFL1	IF CPU OR 7000 PPU ASSEMBLY	S002	15	CPS002	8	A	11
12	COMPASS	MX0	-3*6	6000 PERIPH, SET FOR 3-CHARACTER NAME	S002	16	CPS002	9	A	12
13	COMPASS	VFL1	BX7	X0*X6	S002	17	CPS002	10	A	13
14	COMPASS	BX5	X6				F4820	62	A	14
15	COMPASS	LX1	X6		S002	18	CPS002	11	A	15
16	COMPASS	ZR	X7,VFL3	IF NAME NOT TOO LONG	S002	19	CPS002	12	A	16
17	COMPASS	VFL2	AX6	6	S002	20	CPS002	13	A	17
18	COMPASS	BX6	-X3*X6	TRUNCATE EXCESS CHARACTERS FROM RIGHT	S002	21	CPS002	14	A	18
19	COMPASS	BX5	X0*X6		S002	22	CPS002	15	A	19
20	COMPASS	NZ	X5,VFL2	LOOP	S002	23	CPS002	16	A	20
21	COMPASS	BX1	X6		S002	24	CPS002	17	A	21
22	COMPASS	LX5	X6		S002	25	CPS002	18	A	22
23	COMPASS	VFL3	NZ	X4,VFYLINK IF PPU ASSEMBLY	S002	26	CPS002	19	A	23
24	COMPASS	ZR	X6,VFYLINK	IF EMPTY NAME	S002	27	CPS002	20	A	24
25	COMPASS	VFL4	BX4	X3*X5	S002	28	CPS002	21	A	25
26	COMPASS	LX5	6	LEFT JUSTIFY NAME	S002	29	CPS002	22	A	26
27	COMPASS	ZR	X4,VFL4		S002	30	CPS002	23	A	27
28	COMPASS	SX5	X5-1R0		S002	31	CPS002	24	A	28
29	COMPASS	MI	X5,VFYLINK	IF FIRST CHARACTER IS A-Z	S002	32	CPS002	25	A	29
30	COMPASS	MX7	6		S002	33	CPS002	26	A	30
31	COMPASS	JP	VFYLINK	RETURN WITH ERROR	S002	34	CPS002	27	A	31
32	COMPASS	WLC	SPACE	4			CMP30	1978	A	32
33	COMPASS	**	WLC -	WRITE LARGE CORE MEMORY.			CMP30	1979	A	33
34	COMPASS	*	ENTRY	(X1) = LCM FWA.			CMP30	1980	A	34
35	COMPASS	*		(X2) = SCM FWA.			CMP30	1981	A	35
36	COMPASS	*		(X3) = WORD COUNT.			CMP30	1982	A	36
37	COMPASS	*	USES	X0, X1, A0, B6, B7.			CMP30	1983	I	37
38	-CP096A									38
39	COMPASS	*	USES	X - 0, 1, 3.			CP096A	256	A	39
40	COMPASS	*		B - 6, 7.			CP096A	257	A	40
41	COMPASS	*		A - 0.			CP096A	258	A	41
42	COMPASS						CMP30	1984	A	42
43	COMPASS						CMP30	1985	A	43
44	COMPASS	WLC1	SB7	X3-1000B			CMP30	1986	A	44
45	COMPASS	SB6	1000B				CMP30	1987	A	45
46	COMPASS	PL	B7,WLC2	IF AT LEAST 1000B WORDS REMAIN			CMP30	1988	A	46
47	COMPASS	SB7	B0				CMP30	1989	A	47
48	COMPASS	SB6	X3	SET REDUCED WORD COUNT			CMP30	1990	A	48
49	COMPASS	WLC2	BSS	0			CMP30	1991	A	49
50	COMPASS						CMP30	1992	A	50
51	COMPASS	IFC	LT, "MODEL"	75 ,3			CMP30	1993	I	51

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-F7540CP

1	COMPASS	-CPS167	ENV	(4,5,7,8),X	F7540CP	88	I	1
2	COMPASS	-CPSA134	ENV	(4,5,6,7,8,9),X	CPS167	6	I	2
3	COMPASS	-CPSA134	SKIP		F7540CP	89	I	3
4	COMPASS	X	ELSE		F7540CP	90	I	4
5	COMPASS	-CPSA134	IF	DEF,HAFEXIT	CPSA134	71	A	5
6	COMPASS	+	WE	B6	CMP30	1994	A	6
7	COMPASS	-	EQ	WLC3 IF ERROR	CMP30	1995	A	7
8	COMPASS		ELSE	1	CMP30	1996	A	8
9	COMPASS		WL	B6	CMP30	1997	A	9
10	COMPASS		IX0	X0+X1 INCREMENT ADDRESSES	CMP30	1998	A	10
11	COMPASS		SA0	A0+B6	CMP30	1999	A	11
12	COMPASS		SX3	B7	CMP30	2000	A	12
13	COMPASS		GT	B7,B0,WLC1 LOOP	CMP30	2001	A	13
14	COMPASS	WLC	PS	RETURN EXIT	CMP30	2002	A	14
15	COMPASS		BX0	X1	CMP30	2003	A	15
16	COMPASS		SA0	X2	CMP30	2004	A	16
17	COMPASS		SX1	1000B	CMP30	2005	A	17
18	COMPASS		NZ	X3,WLC1 IF WORD COUNT NON-ZERO	CMP30	2006	A	18
19	COMPASS		EQ	WLC RETURN	CMP30	2007	A	19
20	COMPASS	ECS	IFC	LT, "MODEL" 75	CMP30	2008	A	20
21	COMPASS	-F7540CP	ENV	(4,5,7,8),ECS	CMP30	2009	A	21
22	COMPASS	-CPS167	ENV	(4,5,6,7,8,9),ECS	CMP30	2010	A	22
23	COMPASS	-CPSA134	ENV	(4,5,6,7,8,9),ECS	CMP30	2011	I	23
24	COMPASS	-CPSA134	SKIP		F7540CP	91	I	24
25	COMPASS	-CPSA134	SKIP		F7540CP	92	I	25
26	COMPASS	ECS	ELSE		F7540CP	93	I	26
27	COMPASS	-CPSA134	ELSE		F7540CP	93	I	27
28	COMPASS	-CPSA134	IF	DEF,HAFEXIT	CMP30	2012	I	28
29	COMPASS	WLC3	MESSAGE	WLCM,,R	CPSA134	72	A	29
30	COMPASS		RJ	RPD RESTORE DEFAULT PRINT DENSITY IF NECESSARY F4810A	CMP30	2013	A	30
31	COMPASS		ABORT	,NODUMP	F4810A	149	A	31
32	COMPASS	WLCM	DATA	C* ASSEMBLY ABORTED - ECS WRITE ERROR.*	CMP30	2014	A	32
33	COMPASS				CMP30	2015	A	33
34	COMPASS				CMP30	2016	A	34
35	COMPASS				CMP30	2017	A	35
36	COMPASS	ECS	ENDIF		CMP30	2018	A	36
37	COMPASS	LJUST	TITLE	COMMON SECTION - ADDRESS SCANNING ROUTINES.	CMP30	2019	A	37
38	COMPASS	**	LJUST	- LEFT JUSTIFY SYMBOL.	COMPASS	2648	A	38
39	COMPASS	*	ENTRY	(X1) = NAME.	COMPASS	2649	A	39
40	COMPASS	*	EXIT	(X1) = NAME UNCHANGED.	COMPASS	2650	A	40
41	COMPASS	*		(X6) = BLANK FILL NAME LEFT JUSTIFIED.	COMPASS	2651	A	41
42	COMPASS				COMPASS	2652	A	42

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\* (X7) = ZERO FILL NAME LEFT JUSTIFIED.

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

1	COMPASS	-CMP30	SA3	USECNT	CLEAR RELEVANT PORTION OF RELVEC			COMPASS	2701	I	1
2	COMPASS		SX2	RELVEC				COMPASS	2702	I	2
3		-CMP30									3
4	COMPASS		IX3	X2+X3				COMPASS	2703	I	4
5		-CMP30									5
6	COMPASS		MX1	0				COMPASS	2704	I	6
7		-CMP30									7
8	COMPASS		RJ	PRESET				COMPASS	2705	I	8
9		-CMP30									9
10	COMPASS		SA2	UI+1	CLEAR RELEVANT PORTION OF RELVEC			CMP30	2021	I	10
11		-CPS2672									11
12	COMPASS		SA2	UI+1	CLEAR RELEVANT PORTION OF *RVTAB*			CPS2672	22	A	12
13	COMPASS		SA3	UI+2				CMP30	2022	A	13
14	COMPASS		SB6	X2				CMP30	2023	A	14
15	COMPASS		SB7	X3				CMP30	2024	A	15
16	COMPASS		SA7	RELVEC-1+X2				CMP30	2025	I	16
17		-CPS2672									17
18	COMPASS		SA1	0.RVTAB				CPS2672	23	A	18
19	COMPASS		IX1	X1+X2				CPS2672	24	A	19
20	COMPASS		SA7	X1-1	ENTRY FOR FIRST BLOCK			CPS2672	25	A	20
21	COMPASS	+	SB6	B6+B1				CMP30	2026	A	21
22	COMPASS		SA7	A7+B1				CMP30	2027	A	22
23	COMPASS		LT	B6,B7,*				CMP30	2028	A	23
24	COMPASS		SA1	CHAR				COMPASS	2706	A	24
25	COMPASS		SB3	X1-55B				COMPASS	2707	I	25
26		-CMP20									26
27	COMPASS		SB3	X1-1R				CMP20	52	I	27
28		-CMP029									28
29	COMPASS		MX7	60	CHECK FOR EMPTY FIELD			COMPASS	2708	I	29
30		-CMP029									30
31	COMPASS		NG	B3,SCADA				COMPASS	2709	I	31
32		-CMP20	-CMP029								32
33	COMPASS		GE	B3,B1,SCADA				COMPASS	2710	I	33
34		-CMP20	-CMP029								34
35	COMPASS		NZ	B3,SCADA				CMP20	53	I	35
36		-CMP029									36
37	COMPASS		SX7	B0				COMPASS	2711	I	37
38		-CMP029									38
39	COMPASS	SCADA	SA7	EXVAL				COMPASS	2712	I	39
40		-CMP029									40
41	COMPASS		SA7	EXVAL	PRESET EXVAL = -0			CMP029	15	I	41
42		-CMP029A									42
43	COMPASS							COMPASS	2713	A	43
44	COMPASS	*		ENTRY ON NEW TERM.				COMPASS	2714	A	44
45	COMPASS							COMPASS	2715	A	45
46	COMPASS	SCAD1	SB7	X1-1R	TEST FOR BLANK OR COMMA			COMPASS	2716	A	46
47	COMPASS		ZR	B7,SCADX	IF BLANK			COMPASS	2717	A	47
48	COMPASS		EQ	B7,B1,SCADX1	IF COMMA			COMPASS	2718	A	48
49	COMPASS		SX6	B0				COMPASS	2719	A	49
50	COMPASS		BX7	X6				COMPASS	2720	A	50
51	COMPASS		SA6	TEVAL	CLEAR TEVAL			COMPASS	2721	A	51
52											52
53		0	1	2	3	4	5	6	7	8	53
54		1234567890123456									

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA7	A6+B1	TREL	COMPASS	2722	A
COMPASS	SA6	A7+B1	TECOE	COMPASS	2723	A
COMPASS	SX7	B1		COMPASS	2724	A
COMPASS	SA7	TEOP	SET TEOP TO 1	COMPASS	2725	A
COMPASS				COMPASS	2726	A
COMPASS *			ENTRY ON NEW ELEMENT.	COMPASS	2727	A
COMPASS				COMPASS	2728	A
COMPASS SCAD2	SB7	X1-1R+		COMPASS	2729	A
COMPASS	ZR	B7,SCAD900	JUMP IF +	COMPASS	2730	A
COMPASS	EQ	B1,B7,SCAD900	JUMP IF -	COMPASS	2731	A
COMPASS	SB7	X1-1R&		COMPASS	2732	A
COMPASS	ZR	B7,SCAD901	JUMP IF &	COMPASS	2733	A
COMPASS	SX6	B1	SET ELEMENT OPERATOR	COMPASS	2734	A
COMPASS	SA6	ELOP		COMPASS	2735	A
COMPASS SCAD3	SX6	B0		COMPASS	2736	A
COMPASS	MX7	60		COMPASS	2737	A
COMPASS	SA6	ELREL		COMPASS	2738	A
COMPASS	SA7	A6-B1	SET ELVAL = -0	COMPASS	2739	A
COMPASS	SA6	A6+B1	AND ELEFT = 0	COMPASS	2740	A
COMPASS	SA2	=30060020B	CHECK FOR BLANK, COMMA, PLUS, MINUS, &	COMPASS	2741	A
COMPASS	SB7	X1		COMPASS	2742	A
COMPASS	LX0	X2,B7		COMPASS	2743	A
COMPASS	NG	X0,SCAD4		COMPASS	2744	A
COMPASS SCANEV	BSSZ	1	RJ YEVITEM OR ZEVITEM TO EVAL. ITEM	COMPASS	2745	A
COMPASS	SA1	CHAR	RESTORE CHARACTER	COMPASS	2746	A
COMPASS	SA2	ELREG	TEST FOR A REGISTER	COMPASS	2747	A
COMPASS	ZR	X2,SCAD40	JUMP IF NOT A REGISTER	COMPASS	2748	A
COMPASS	SA3	EXREG		COMPASS	2749	A
COMPASS	LX3	9		COMPASS	2750	A
COMPASS	BX6	X3+X2	OR ELREG INTO EXREG	COMPASS	2751	A
COMPASS	SA6	A3		COMPASS	2752	A
COMPASS	EQ	SCAD4		COMPASS	2753	A
COMPASS SCAD40	MX6	60	SET ADDRESS FLAG	COMPASS	2754	A
COMPASS	SA6	KADFLAG		COMPASS	2755	A
COMPASS SCAD4	SA2	ELOP	JUMP ON ELEMENT OPERATOR	COMPASS	2756	A
COMPASS	SB7	X2		COMPASS	2757	A
COMPASS	JP	B7+*		COMPASS	2758	A
COMPASS				COMPASS	2759	A
COMPASS +	EQ	SCAD21	INITIAL OPERATION	COMPASS	2760	A
COMPASS +	EQ	SCAD22	MULTIPLICATION	COMPASS	2761	A
COMPASS +	SA2	ELEFT	DIVISION	COMPASS	2762	A
COMPASS	SA4	TEEXT		COMPASS	2763	A
COMPASS				COMPASS	2764	A
COMPASS	SA5	TEREL		COMPASS	2765	A
COMPASS	SA3	A2-B1	ELREL	COMPASS	2766	A
COMPASS	BX2	X2+X3		COMPASS	2767	A
COMPASS	IX4	X4+X5		COMPASS	2768	A
COMPASS	BX2	X4+X2		COMPASS	2769	A
COMPASS	NZ	X2,SCAD225	JUMP IF ILLEGAL DIVISION	COMPASS	2770	A
COMPASS	SA3	ELVAL	PERFORM DIVISION IF DENOMINATOR	COMPASS	2771	A
COMPASS	SA4	TECOE	IS NON-ZERO	COMPASS	2772	A
COMPASS	ZR	X3,SCAD220		COMPASS	2773	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	BX6	X4	PERFORM TECOE = TECOE/ELVAL	COMPASS	2774	A
COMPASS	AX4	48	HIGH 12 BITS OF NUMERATOR	COMPASS	2775	A
COMPASS	ZR	X6,SCAD23A	IF NUMERATOR IS ZERO	COMPASS	2776	A
COMPASS	BX7	X3		COMPASS	2777	A
COMPASS	AX3	48	HIGH 12 BITS OF DENOMINATOR	COMPASS	2778	A
COMPASS	PX5	X7	FLOAT LOW DENOMINATOR = DD	COMPASS	2779	A
COMPASS	SB7	48		COMPASS	2780	A
COMPASS	PX3	B7,X3	FLOAT D	COMPASS	2781	A
COMPASS	NX3	X3,B6	NORMALIZE D	COMPASS	2782	A
COMPASS	NX7	X5,B5		COMPASS	2783	A
COMPASS	DX5	X3+X7	JUSTIFY EXPONENTS OF D AND DD	COMPASS	2784	A
COMPASS	PX4	X4,B7	FLOAT, NORMALIZE AND JUSTIFY N	COMPASS	2785	A
COMPASS	FX2	X3+X7		COMPASS	2786	A
COMPASS	NX7	X4,B7		COMPASS	2787	A
COMPASS	PX3	X6		COMPASS	2788	A
COMPASS	NX3	X3,B6		COMPASS	2789	A
COMPASS	FX4	X3+X7		COMPASS	2790	A
COMPASS	DX3	X3+X7		COMPASS	2791	A
COMPASS	FX6	X4/X2	N/D	COMPASS	2792	A
COMPASS	FX7	X6*X2	N/D*D	COMPASS	2793	A
COMPASS	FX0	X4-X7	REMAINDER OF N/D IN BOTH PRECISIONS	COMPASS	2794	A
COMPASS	DX7	X7-X7		COMPASS	2795	I
-CPS010						
COMPASS	DX7	X4-X7		CPS010	29	A
COMPASS	NX0	X0,B6	NORMALIZE AND JUSTIFY REMAINDER	COMPASS	2796	A
COMPASS	FX0	X7+X0		COMPASS	2797	A
COMPASS	DX7	X6*X2	N/D*D IN LOW PRECISION	COMPASS	2798	A
COMPASS	FX4	X6*X5		COMPASS	2799	A
COMPASS	FX5	X3-X7		COMPASS	2800	A
COMPASS	FX5	X0+X5		COMPASS	2801	A
COMPASS	FX5	X5-X4		COMPASS	2802	A
COMPASS	FX5	X5/X2		COMPASS	2803	I
-CPS010						
COMPASS	FX3	X5/X2		CPS010	30	A
COMPASS	DX7	X6+X3		COMPASS	2804	A
COMPASS	FX6	X6+X3		COMPASS	2805	A
COMPASS	UX6	X6,B7		COMPASS	2806	A
COMPASS	LX6	X6,B7		COMPASS	2807	A
COMPASS	PL	B7,SCAD23B	JUMP IF NO LOW-ORDER PART	COMPASS	2808	A
COMPASS	SCAD23A	MX0	0	COMPASS	2809	A
COMPASS	IX6	X0+X6		COMPASS	2810	A
COMPASS	EQ	SCAD23C		COMPASS	2811	A
COMPASS	SCAD23B	UX7	X7,B7	COMPASS	2812	A
COMPASS	LX7	B7,X7		COMPASS	2813	A
COMPASS	IX6	X6+X7		COMPASS	2814	A
COMPASS	SCAD23C	SA6	TECOE STORE RESULT	COMPASS	2815	A
COMPASS	EQ	SCAD24		COMPASS	2816	A
COMPASS	SCAD21	SA2	ENTRY ON FIRST ELEMENT OF TERM	COMPASS	2817	A
COMPASS	SA3	ELEXT		COMPASS	2818	A
COMPASS	NZ	X2,SCAD210	JUMP IF ELEMENT RELOCATABLE	COMPASS	2819	A
COMPASS	SA4	ELVAL	STORE ABSOLUTE VALUE OF ELEMENT	COMPASS	2820	A
COMPASS	BX6	X4		COMPASS	2821	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS		LX7	X3		COMPASS	2822	A
COMPASS	+	SA6	TECOE		COMPASS	2823	A
COMPASS		SA7	TEEXT		COMPASS	2824	A
COMPASS		EQ	SCAD24		COMPASS	2825	A
COMPASS	SCAD210	SX6	B1	NON-ABSOLUTE VALUES	COMPASS	2826	A
COMPASS		SA6	TECOE	SET TERM COEFFICIENT TO 1	COMPASS	2827	A
COMPASS	SCAD215	SA2	ELVAL	MOVE ELEMENT TO TERM	COMPASS	2828	A
COMPASS		SA3	ELREL		COMPASS	2829	A
COMPASS		SA4	ELEXT		COMPASS	2830	A
COMPASS		BX6	X2		COMPASS	2831	A
COMPASS		LX7	X3		COMPASS	2832	A
COMPASS		SA6	TEVAL		COMPASS	2833	A
COMPASS		SA7	A6+B1	TEREL	COMPASS	2834	A
COMPASS		BX6	X4		COMPASS	2835	A
COMPASS	+	SA6	TEEXT		COMPASS	2836	A
COMPASS		EQ	SCAD24		COMPASS	2837	A
COMPASS	SCAD22	SA2	ELREL	ENTRY ON MULTIPLICATION	COMPASS	2838	A
COMPASS		SA3	ELEXT		COMPASS	2839	A
COMPASS		IX2	X3+X2		COMPASS	2840	A
COMPASS		ZR	X2,SCAD220	CHECK ABSOLUTE MULTIPLY	COMPASS	2841	A
COMPASS		SA2	TEREL		COMPASS	2842	A
COMPASS		SA3	TEEXT		COMPASS	2843	A
COMPASS		IX2	X2+X3		COMPASS	2844	A
COMPASS		ZR	X2,SCAD215	CHECK FOR REL TIMES EXT	COMPASS	2845	A
COMPASS	SCAD225	SX6	B1	COMPLAIN IF ERROR	COMPASS	2846	A
COMPASS		SA6	EXERR		COMPASS	2847	A
COMPASS		SA6	EFLG		COMPASS	2848	A
COMPASS		SA6	AERR		COMPASS	2849	A
COMPASS	SCAD24	SB7	X1-1R*	ENTRY AFTER ELEMENT	COMPASS	2850	A
COMPASS		ZR	B7,SCAD800	CHECK FOR * OR / OPERATORS	COMPASS	2851	A
COMPASS		EQ	B1,B7,SCAD800		COMPASS	2852	A
COMPASS		SA2	TEOP	END OF TERM	COMPASS	2853	A
COMPASS		SA3	TECOE		COMPASS	2854	A
COMPASS		SX4	X2-1		COMPASS	2855	A
COMPASS		SA2	TEEXT		COMPASS	2856	A
COMPASS		LX4	59-1		COMPASS	2857	A
COMPASS		AX4	60		COMPASS	2858	A
COMPASS		BX3	X3-X4		COMPASS	2859	A
COMPASS		SA4	A3-B1	TEREL	COMPASS	2860	A
COMPASS		NZ	X2,SCAD110	JUMP IF TERM EXTERNAL	COMPASS	2861	A
COMPASS		NZ	X4,SCAD112	JUMP IF TERM RELOCATABLE	COMPASS	2862	A
COMPASS		SA4	TEOP		COMPASS	2863	A
COMPASS		SX4	X4-5		COMPASS	2864	A
COMPASS		SA5	EXVAL		COMPASS	2865	A
COMPASS		ZR	X4,SCAD24A	IF & OPERATOR	COMPASS	2866	A
COMPASS		IX6	X3+X5	ADD TERM VALUE INTO EXPRESSION	COMPASS	2867	A
COMPASS		SA6	A5	EXVAL	COMPASS	2868	A
COMPASS		EQ	SCAD1		COMPASS	2869	A
COMPASS	SCAD24A	BX6	X3-X5	ADD TERM INTO EXPRESSION	COMPASS	2870	A
COMPASS		SA6	A5 EXVAL		COMPASS	2871	A
COMPASS		EQ	SCAD1		COMPASS	2872	A
COMPASS	SCAD110	SX6	B1	TERM IS EXTERNAL	COMPASS	2873	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	BX7	X3	COMPASS	2874	A
COMPASS	SA4	TEOP	COMPASS	2875	A
COMPASS	SX4	X4-3	COMPASS	2876	A
COMPASS	ZR	X4,SCAD110E IF - RELOC	COMPASS	2877	A
COMPASS	SA4	EXEXT	COMPASS	2878	A
COMPASS	ZR	X4,SCAD111 COMPLAIN IF NOT FIRST EXTERNAL	COMPASS	2879	A
COMPASS	SCAD110E SA6	AERR ERROR	COMPASS	2880	A
COMPASS	SA6	EXERR	COMPASS	2881	A
COMPASS	SA6	EFLG	COMPASS	2882	A
COMPASS	SCAD111 SA5	EXVAL	COMPASS	2883	A
COMPASS	IX7	X5+X7	COMPASS	2884	A
COMPASS	BX6	X2	COMPASS	2885	A
COMPASS	SA7	A5 EXVAL STORE NEW EXPRESSION VALUE	COMPASS	2886	A
COMPASS	SA6	A4 AND EXT NO	COMPASS	2887	A
COMPASS	EQ	SCAD1	COMPASS	2888	A
COMPASS	SCAD112 SX0	256	COMPASS	2889	A
COMPASS	IX5	X4-X0 CHECK FOR NEGATIVE RELOCATION	COMPASS	2890	A
COMPASS	NG	X5,SCAD113	COMPASS	2891	A
COMPASS	BX3	-X3	COMPASS	2892	A
COMPASS	LX4	X5	COMPASS	2893	A
COMPASS	SCAD113 SA2	RELVEC-1+X4 RECORD RELOCATION	COMPASS	2894	I
COMPASS	-CPS2672				
COMPASS	SCAD113 SA2	O.RVTAB RECORD RELOCATION IN RELEVANT RVTAB ENTRY	CPS2672	26	A
COMPASS	SB6	X2-1	CPS2672	27	A
COMPASS	SA2	B6+X4	CPS2672	28	A
COMPASS	IX6	X2+X3	COMPASS	2895	A
COMPASS	SA6	A2	COMPASS	2896	A
COMPASS	SA2	TEVAL MULTIPLY COEFFICIENT BY VALUE	COMPASS	2897	A
COMPASS	RJ	SCADMU PERFORM X7 = X2*X3	COMPASS	2898	A
COMPASS	SA3	EXVAL	COMPASS	2899	A
COMPASS	IX6	X7+X3	COMPASS	2900	A
COMPASS	+	SA6 A3	COMPASS	2901	A
COMPASS	EQ	SCAD1	COMPASS	2902	A
COMPASS	SCAD220 SA2	TECOE	COMPASS	2903	A
COMPASS	SA3	ELVAL	COMPASS	2904	A
COMPASS	RJ	SCADMU PERFORM X7 = X2*X3	COMPASS	2905	A
COMPASS	+	SA7 A2	COMPASS	2906	A
COMPASS	EQ	SCAD24	COMPASS	2907	A
COMPASS	SCADCON SPACE	4	COMPASS	2908	A
COMPASS	**	SCADCON - CALL SCAD AND RESTRICT RESULTS.	COMPASS	2909	A
COMPASS	*	ENTRY (X6) = 1 TO OUTLAW REGISTER.	COMPASS	2910	A
COMPASS	*	(X6) = 2 TO OUTLAW REGISTER + EXTERNAL.	COMPASS	2911	A
COMPASS	*	(X6) = 3 TO OUTLAW REGISTER + EXTERNAL + RELOCATABLE.	COMPASS	2912	A
COMPASS	*	(X1) = FIELD WIDTH.	COMPASS	2913	A
COMPASS	*	EXIT (X1) = 0 IF NO ERRORS.	COMPASS	2914	A
COMPASS			COMPASS	2915	A
COMPASS			COMPASS	2916	A
COMPASS	SCADCON PS	RETURN EXIT	COMPASS	2917	A
COMPASS	BX6	-X6	COMPASS	2918	A
COMPASS	SA6	SCADCONT SAVE ENTRY PARAMETER	COMPASS	2919	A
COMPASS	RJ	SCAD	COMPASS	2920	A
COMPASS	SA1	EXERR CHECK FOR ERROR IN EXPRESSION	COMPASS	2921	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS		SA2	SCADCONT		COMPASS	2922	A	
1	COMPASS		SB7	X2		COMPASS	2923	A	1
2	COMPASS		SX6	B1		COMPASS	2924	A	2
3	COMPASS		MX7	0		COMPASS	2925	A	3
4	COMPASS	SCADCON1	SB7	B7+B1		COMPASS	2926	A	4
5	COMPASS		SA2	EXREG+B7		COMPASS	2927	A	5
6	COMPASS		BX1	X2+X1		COMPASS	2928	A	6
7	COMPASS		NZ	B7,SCADCON1		COMPASS	2929	A	7
8	COMPASS		ZR	X1,SCADCON	IF NO ERRORS	COMPASS	2930	A	8
9	COMPASS		SA6	AERR	SET AERR	COMPASS	2931	A	9
10	COMPASS		SA6	EFLG		COMPASS	2932	A	10
11	COMPASS		SA7	EXVAL	CLEAR OUT REPLY	COMPASS	2933	A	11
12	COMPASS		SA7	A7+B1	EXREL	COMPASS	2934	A	12
13	COMPASS		SA7	A7+B1	EXEXT	COMPASS	2935	A	13
14	COMPASS		SA7	A7+B1	EXREG	COMPASS	2936	A	14
15	COMPASS		EQ	SCADCON	RETURN	COMPASS	2937	A	15
16	COMPASS					COMPASS	2938	A	16
17	COMPASS	SCADCONT	DATA	0	TEMPORARY STORAGE	COMPASS	2939	A	17
18	COMPASS	SCADMU	SPACE	4		COMPASS	2940	A	18
19	COMPASS	**	SCADMU	- 60-BIT INTEGER MULTIPLY FOR ADDRESS SCAN.		COMPASS	2941	A	19
20	COMPASS	*	ENTRY	(X2) = MULTIPLIER.		COMPASS	2942	A	20
21	COMPASS	*		(X3) = MULTIPLICAND.		COMPASS	2943	A	21
22	COMPASS	*	EXIT	(X7) = PRODUCT.		COMPASS	2944	A	22
23	COMPASS					COMPASS	2945	A	23
24	COMPASS					COMPASS	2946	A	24
25	COMPASS	SCADMU	PS	RETURN EXIT		COMPASS	2947	A	25
26	COMPASS		SB7	30		COMPASS	2948	A	26
27	COMPASS		SB6	B7+B7	PRESET B6 = 60	COMPASS	2949	A	27
28	COMPASS		AX7	B6,X2	GET HIGH ORDER SIGN BIT	COMPASS	2950	A	28
29	COMPASS		BX2	X7-X2	ABSOLUTE VALUE OF X2	COMPASS	2951	A	29
30	COMPASS		AX6	X3,B6		COMPASS	2952	A	30
31	COMPASS		BX3	X6-X3	ABSOLUTE VALUE OF X3	COMPASS	2953	A	31
32	COMPASS		MX0	30		COMPASS	2954	A	32
33	COMPASS		BX7	X6-X7	SIGN OF RESULT	COMPASS	2955	A	33
34	COMPASS		BX5	-X0*X3		COMPASS	2956	A	34
35	COMPASS		AX3	30		COMPASS	2957	A	35
36	COMPASS		BX6	-X0*X2		COMPASS	2958	A	36
37	COMPASS		AX2	30		COMPASS	2959	A	37
38	COMPASS		PX2	B7,X2	PACK AU WITH EXPONENT 30	COMPASS	2960	A	38
39	COMPASS		PX5	X5	PACK BL WITH EXPONENT 00	COMPASS	2961	A	39
40	COMPASS		DX2	X2*X5	1. AU*BL,D EXP = 30	COMPASS	2962	A	40
41	COMPASS		PX4	X6	FORM AL	COMPASS	2963	A	41
42	COMPASS		DX6	X4*X5	2. AL*BL,D EXP = 0	COMPASS	2964	A	42
43	COMPASS		PX3	X3,B7	FORM BU	COMPASS	2965	A	43
44	COMPASS		DX3	X3*X4	3. AL*BU,D EXP = 30	COMPASS	2966	A	44
45	COMPASS		IX2	X2+X3	4. 1+ 3,I EXP = 30	COMPASS	2967	A	45
46	COMPASS		FX4	X4*X5	5. AL*BL,S EXP = 48	COMPASS	2968	A	46
47	COMPASS		BX5	-X0*X4	TRUNCATE AL*BL,S	COMPASS	2969	A	47
48	COMPASS		UX6	X6,B7	UNPACK 00 TERM	COMPASS	2970	A	48
49	COMPASS		LX2	30		COMPASS	2971	A	49
50	COMPASS		LX5	48	ALIGN DECIMAL POINTS	COMPASS	2972	A	50
51	COMPASS		IX2	X2+X5		COMPASS	2973	A	51

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP30

1	COMPASS		NZ	X5,SCAD56	IF EXPRESSION ERROR	CMP30	2034	A		1
2	COMPASS		SA3	0.RVTAB	(X3) = FWA-1 RVTAB	CPS2672	29	A		2
3	COMPASS		SX3	X3-1		CPS2672	30	A		3
4	COMPASS		SA2	EXEXT		CMP30	2035	A		4
5	COMPASS	SCADX2	SA5	RELVEC-1+B6		CMP30	2036		I	5
6		-CPS2672								6
7	COMPASS	SCADX2	SA5	X3+B6	NEXT RVTAB ENTRY	CPS2672	31	A		7
8	COMPASS		GT	B6,B7,SCAD53	IF END OF BLOCKS	CMP30	2037	A		8
9	COMPASS		SB6	B6+B1		CMP30	2038	A		9
10	COMPASS		SB5	X5		CMP30	2039	A		10
11	COMPASS		ZR	X5,SCADX2	IF NO COEFFICIENT FOR THIS RELOCATION	CMP30	2040	A		11
12	COMPASS		AX5	1		CMP30	2041	A		12
13	COMPASS		SX6	B5-B1		CMP30	2042	A		13
14	COMPASS		SX7	B6-B1		CMP30	2043	A		14
15	COMPASS		LX6	7		CMP30	2044	A		15
16	COMPASS		NZ	X5,SCAD55	IF NOT +1 OR -1, ERROR	CMP30	2045	A		16
17	COMPASS		NZ	X2,SCAD55	IF ANY OTHER RELOCATION OR EXTERNAL, ERROR	CMP30	2046	A		17
18	COMPASS		IX6	X7-X6	CALCULATE RELOCATION	CMP30	2047	A		18
19	COMPASS		BX2	X2+X6		CMP30	2048	A		19
20	COMPASS		SA6	EXREL		COMPASS	3004	A		20
21	COMPASS	SCAD60	SB7	B7-B1		COMPASS	3005		I	21
22		-CMP30								22
23	COMPASS		PL	B7,SCADX2		COMPASS	3006		I	23
24		-CMP30								24
25	COMPASS		SA5	EXVAL	PROPOGATE THE MINUS ZERO	COMPASS	3007		I	25
26		-CMP30								26
27	COMPASS		LE	B6,B7,SCADX2	LOOP	CMP30	2049	A		27
28	COMPASS	SCAD53	SA5	EXVAL	PROPAGATE MINUS ZERO	CMP30	2050	A		28
29	COMPASS		SA2	KADFLAG		COMPASS	3008	A		29
30	COMPASS		IX6	X5+X2		COMPASS	3009	A		30
31	COMPASS		SA6	A5		COMPASS	3010	A		31
32	COMPASS		SA2	PPTYPE		F4820	63	A		32
33	COMPASS		PL	X2,SCAD61	IF ONES COMPLEMENT	F4820	64	A		33
34	COMPASS		SX2	X2+3		CPSA197	6	A		34
35	COMPASS		ZR	X2,SCAD61	PPTYPE NOT -1 NOR -2	CPSA197	7	A		35
36	COMPASS		PL	X6,SCAD61	IF RESULT POSITIVE	F4820	65	A		36
37	COMPASS		MX7	1		F4820	66	A		37
38	COMPASS		SX2	B1		F4820	67	A		38
39	COMPASS		BX6	-X7*X6		F4820	68	A		39
40	COMPASS		IX6	X6+X2		F4820	69	A		40
41	COMPASS		BX6	X6+X7		F4820	70	A		41
42	COMPASS		SA6	A6		F4820	71	A		42
43	COMPASS	SCAD61	BSS	0		F4820	72	A		43
44	COMPASS		SA2	EXLGN	CHECK FOR FIELD OVERFLOW	COMPASS	3011	A		44
45	COMPASS		SB7	X2		COMPASS	3012	A		45
46	COMPASS		AX7	X6,B7		COMPASS	3013	A		46
47	COMPASS		ZR	X7,SCAD		COMPASS	3014	A		47
48	COMPASS		SX7	B1	*** ADDRESS FIELD OVERFLOW	COMPASS	3015	A		48
49	COMPASS		SA7	EFLG		COMPASS	3016	A		49
50	COMPASS		SA7	W7ERR		COMPASS	3017	A		50
51	COMPASS		EQ	SCAD		COMPASS	3018	A		51

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*	(X5)	= FIELD WIDTH FOR CHARACTER DATA IN ADDRESS FIELD.
*	EXIT	(X3) = WORD COUNT OF DATA STORED.

	COMPASS	*			(X5) = FIELD WIDTH FOR CHARACTER DATA IN ADDRESS FIELD.	COMPASS	3071	A	
1	COMPASS	*	EXIT		(X3) = WORD COUNT OF DATA STORED.	COMPASS	3072	A	1
2	COMPASS					COMPASS	3073	A	2
3	COMPASS					COMPASS	3074	A	3
4	COMPASS		QUAL	DATA		COMPASS	3075	A	4
5	COMPASS					COMPASS	3076	A	5
6	COMPASS	SCDA	BSS	0		COMPASS	3077	A	6
7	COMPASS					COMPASS	3078	A	7
8	COMPASS	RD	DATA	0	RADIX OF VALUE	COMPASS	3079	A	8
9	COMPASS	SI	DATA	0	SIGN OF VALUE	COMPASS	3080	A	9
10	COMPASS	DV	DATA	0,0	DECIMAL VALUE	COMPASS	3081	A	10
11	COMPASS	OV	DATA	0,0	OCTAL VALUE	COMPASS	3082	A	11
12	COMPASS	RN	DATA	0	REAL NUMBER FLAG	COMPASS	3083	A	12
13	COMPASS	FC	DATA	0	COUNT OF FRACTIONAL DIGITS	COMPASS	3084	A	13
14	COMPASS					COMPASS	3085	A	14
15	COMPASS	EF	DATA	0	-E- SCALE FLAG (1 = SINGLE, 2 = DOUBLE)	COMPASS	3086	A	15
16	COMPASS	ES	DATA	0	SIGN OF -E- SCALE FACTOR	COMPASS	3087	A	16
17	COMPASS	EV	DATA	0	VALUE OF -E- SCALE FACTOR	COMPASS	3088	A	17
18	COMPASS					COMPASS	3089	A	18
19	COMPASS	SF	DATA	0	-S- SCALE FLAG	COMPASS	3090	A	19
20	COMPASS	SS	DATA	0	SIGN OF -S- SCALE FACTOR	COMPASS	3091	A	20
21	COMPASS	SV	DATA	0	VALUE OF -S- SCALE FACTOR	COMPASS	3092	A	21
22	COMPASS					COMPASS	3093	A	22
23	COMPASS	PF	DATA	0	-P- SCALE FLAG	COMPASS	3094	A	23
24	COMPASS	PS	DATA	0	SIGN OF -P- SCALE FACTOR	COMPASS	3095	A	24
25	COMPASS	PV	DATA	0	VALUE OF -P- SCALE FACTOR	COMPASS	3096	A	25
26	COMPASS					COMPASS	3097	A	26
27	COMPASS	OC	DATA	0	OCTAL FLAG FOR 8 OR 9 DETECTED	COMPASS	3098	A	27
28	COMPASS					COMPASS	3099	A	28
29	COMPASS	SCDAL	EQU	*-SCDA-1		COMPASS	3100	A	29
30	COMPASS					COMPASS	3101	A	30
31	COMPASS	DO	DATA	0	DATA ORIGIN ADDRESS	COMPASS	3102	A	31
32	COMPASS	DL	DATA	0	WORD COUNT OF DATA FIELD	COMPASS	3103	A	32
33	COMPASS	AF	DATA	0	ADDRESS FIELD FLAG (-1 LIT, 0 DATA, 1 ADD)	COMPASS	3104	A	33
34	COMPASS	FW	DATA	0	FIELD WIDTH FOR CHARACTER DATA IN ADDRESS	COMPASS	3105	A	34
35	COMPASS					COMPASS	3106	A	35
36	COMPASS					COMPASS	3107	A	36
37	COMPASS	SCD	PS	0	ENTRY/EXIT	COMPASS	3108	A	37
38	COMPASS		BX6	X2	STORE CALLING SEQUENCE PARAMETERS	COMPASS	3109	A	38
39	COMPASS		LX7	X3		COMPASS	3110	A	39
40	COMPASS		SA6	D0		COMPASS	3111	A	40
41	COMPASS		SA7	A6+B1		COMPASS	3112	A	41
42	COMPASS		BX6	X4		COMPASS	3113	A	42
43	COMPASS		LX7	X5		COMPASS	3114	A	43
44	COMPASS		SA6	A7+B1		COMPASS	3115	A	44
45	COMPASS		SA7	A6+B1		COMPASS	3116	A	45
46	COMPASS		SB4	SCDAL	CLEAR LOCAL VARIABLES	COMPASS	3117	A	46
47	COMPASS		MX6	0		COMPASS	3118	A	47
48	COMPASS		SX5	B1		COMPASS	3119	A	48
49	COMPASS		SA6	SCDA		COMPASS	3120	A	49
50	COMPASS		SA1	CHAR	FIRST CHARACTER	COMPASS	3121	A	50
51	COMPASS	SCD1	SB4	B4-B1		COMPASS	3122	A	51

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA6	A6+B1	COMPASS	3123	A
COMPASS	NZ	B4,SCD1	COMPASS	3124	A
COMPASS			COMPASS	3125	A
COMPASS	**	CHECK FIRST CHARACTER FOR SIGN OF DATA.	COMPASS	3126	A
COMPASS			COMPASS	3127	A
COMPASS	SB7	X1-1R+ CHECK CHARACTER	COMPASS	3128	A
COMPASS	ZR	B7,SCD2 IF ***	COMPASS	3129	A
COMPASS	NE	B7,B1,SCD3 IF NOT *-*	COMPASS	3130	A
COMPASS	MX6	60 SET SIGN NEGATIVE	COMPASS	3131	A
COMPASS	SA6	SI	COMPASS	3132	A
COMPASS	SCD2	RJ GETCH SKIP SIGN	COMPASS	3133	A
COMPASS			COMPASS	3134	A
COMPASS	**	CHECK FIRST CHARACTER TO DETERMINE DATA TYPE.	COMPASS	3135	A
COMPASS			COMPASS	3136	A
COMPASS	SCD3	SA2 =401110436B MASK FOR \ABCDHLORZ@	COMPASS	3137	I
-CMP136					
COMPASS	SCD3	SA2 =10000000401110436B MASK FOR #ZROLHDCBA	CMP136	1	A
COMPASS	SB7	X1	COMPASS	3138	A
COMPASS	AX2	X2,B7	COMPASS	3139	A
COMPASS	LX2	59	COMPASS	3140	A
COMPASS	CX0	X2	COMPASS	3141	A
COMPASS	PL	X2,NDS IF NOT ONE OF THE ABOVE CHARACTERS	COMPASS	3142	A
COMPASS	SB7	X0	COMPASS	3143	A
COMPASS	JP	B7+SCDB-1 JUMP TO LETTER PROCESSOR	COMPASS	3144	A
COMPASS	ERR	SPACE 4	COMPASS	3145	A
COMPASS	**	ERR - PROCESS DATA ERROR AND EXIT.	COMPASS	3146	A
COMPASS			COMPASS	3147	A
COMPASS			COMPASS	3148	A
COMPASS	ERR	SX6 B1 NOTE ERROR IN DATA	COMPASS	3149	A
COMPASS		SA6 EXERR	COMPASS	3150	A
COMPASS		SX3 B1 LENGTH = 1	COMPASS	3151	A
COMPASS		SA6 EFLG	COMPASS	3152	A
COMPASS		SA6 AERR	COMPASS	3153	A
COMPASS		SA2 D0	COMPASS	3154	A
COMPASS		SX6 B0 VALUE = 0	COMPASS	3155	A
COMPASS		SA6 X2	COMPASS	3156	A
COMPASS	SCDX	SPACE 4	COMPASS	3157	A
COMPASS	**	SCDX - PROCESS TERMINATOR AND EXIT.	COMPASS	3158	A
COMPASS			COMPASS	3159	A
COMPASS			COMPASS	3160	A
COMPASS	SCDX	SA4 =36060020B MASK FOR \+-* / ,&@	COMPASS	3161	A
COMPASS		SA2 AF	COMPASS	3162	A
COMPASS		NZ X2,SCDX1 IF ADDRESS FIELD	COMPASS	3163	A
COMPASS		SA4 =6BS12 MASK FOR \ ,@	COMPASS	3164	A
COMPASS	SCDX1	SB7 X1	COMPASS	3165	A
COMPASS		LX6 X4,B7	COMPASS	3166	A
COMPASS		NG X6,SCD RETURN IF ONE OF THE ABOVE	COMPASS	3167	A
COMPASS		RJ GETCH SKIP CHARACTER	COMPASS	3168	A
COMPASS		EQ ERR PROCESS ERROR	COMPASS	3169	A
COMPASS	SCDB	SPACE 4	COMPASS	3170	A
COMPASS	**	SCDB - JUMP TABLE FOR LEADING CHARACTER PROCESSORS.	COMPASS	3171	A
COMPASS	*	INDEXED BY BIT COUNT OF CHARACTER MASK.	COMPASS	3172	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	COMPASS	3173	A
COMPASS	COMPASS	3174	A
COMPASS	COMPASS	3175	A
COMPASS	COMPASS	3176	A
COMPASS	COMPASS	3177	A
COMPASS	COMPASS	3178	A
COMPASS	COMPASS	3179	A
COMPASS	COMPASS	3180	A
COMPASS	COMPASS	3181	A
COMPASS	COMPASS	3182	A
COMPASS	COMPASS	3183	A
COMPASS	COMPASS	3184	A
COMPASS	COMPASS	3185	A
COMPASS	COMPASS	3186	A
COMPASS	COMPASS	3187	A
COMPASS	COMPASS	3188	A
COMPASS	COMPASS	3189	A
COMPASS	COMPASS	3190	A
COMPASS	COMPASS	3191	A
COMPASS	COMPASS	3192	A
COMPASS	COMPASS	3193	A
COMPASS	COMPASS	3194	A
COMPASS	COMPASS	3195	A
COMPASS	COMPASS	3196	A
COMPASS	COMPASS	3197	A
COMPASS	COMPASS	3198	A
COMPASS	COMPASS	3199	A
COMPASS	COMPASS	3200	A
COMPASS	COMPASS	3201	A
COMPASS	COMPASS	3202	A
COMPASS	COMPASS	3203	A
COMPASS	COMPASS	3204	A
COMPASS	COMPASS	3205	A
COMPASS	COMPASS	3206	A
COMPASS	COMPASS	3207	A
COMPASS	COMPASS	3208	A
COMPASS	COMPASS	3209	A
COMPASS	COMPASS	3210	A
COMPASS	COMPASS	3211	A
COMPASS	COMPASS	3212	A
COMPASS	COMPASS	3213	A
COMPASS	COMPASS	3214	A
COMPASS	COMPASS	3215	A
COMPASS	COMPASS	3216	A
COMPASS	COMPASS	3217	A
COMPASS	COMPASS	3218	A
COMPASS	COMPASS	3219	A
COMPASS	COMPASS	3220	A
COMPASS	COMPASS	3221	A
COMPASS	COMPASS	3222	A

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12345678901	23456789012	34567890123	45678901234	56789012345	67890123456	78901234567	89012345678	90123456789

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS		CX0	X2		COMPASS	3364	A	
1	COMPASS		LX2	59		COMPASS	3365	A	1
2	COMPASS		PL	X2,NDS5	IF NOT ONE OF THE ABOVE CHARACTERS	COMPASS	3366	A	2
3	COMPASS		SB7	X0	JUMP TO CHARACTER CONSTANT PROCESSOR	COMPASS	3367	A	3
4	COMPASS		JP	B7+NDSA-1		COMPASS	3368	A	5
5	COMPASS					COMPASS	3369	A	6
6	COMPASS	NDSA	BSS	0		COMPASS	3370	A	8
7	COMPASS					CMP136	5	A	9
8	COMPASS	+	EQ	HCD	# - HEXADECIMAL CHARACTER DATA	CMP136	6	A	10
9	COMPASS					COMPASS	3371	A	12
10	COMPASS	+	SB6	CSZ	Z - NUMERIC CHARACTER DATA	COMPASS	3372	A	13
11	COMPASS		EQ	NCS		COMPASS	3373	A	14
12	COMPASS					COMPASS	3374	A	15
13	COMPASS	+	SB6	CSR	R - NUMERIC CHARACTER DATA	COMPASS	3375	A	17
14	COMPASS		EQ	NCS		COMPASS	3376	A	18
15	COMPASS					COMPASS	3377	A	19
16	COMPASS	+	SB6	CSL	L - NUMERIC CHARACTER DATA	COMPASS	3378	A	21
17	COMPASS		EQ	NCS		COMPASS	3379	A	22
18	COMPASS					COMPASS	3380	A	23
19	COMPASS	+	SB6	CSH	H - NUMERIC CHARACTER DATA	COMPASS	3381	A	25
20	COMPASS		EQ	NCS		COMPASS	3382	A	26
21	COMPASS					COMPASS	3383	A	27
22	COMPASS	+	SB6	CSC	C - NUMERIC CHARACTER DATA	COMPASS	3384	A	29
23	COMPASS		EQ	NCS		COMPASS	3385	A	30
24	COMPASS					COMPASS	3386	A	31
25	COMPASS	+	SB6	CSA	A - NUMERIC CHARACTER DATA	COMPASS	3387	A	33
26	COMPASS		EQ	NCS		COMPASS	3388	A	34
27	COMPASS	HCD	SPACE	4,8		CMP136	7	A	35
28	COMPASS	**	HCD - HEXADECIMAL CHARACTER DATA.			CMP136	8	A	37
29	COMPASS					CMP136	9	A	38
30	COMPASS					CMP136	10	A	39
31	COMPASS	HCD	SA3	DV	CHECK VALUE OF COUNT	CMP136	11	A	41
32	COMPASS		SA2	A3+B1		CMP136	12	A	42
33	COMPASS		SA1	RD		CMP136	13	A	43
34	COMPASS		BX2	X2+X3		CMP136	14	A	45
35	COMPASS		BX2	X2+X1		CMP136	15	A	46
36	COMPASS		NZ	X2,ERR	ERROR IF VALUE NOT ZERO OR RADIX DEFINED	CMP136	16	A	47
37	COMPASS		MI	X2,ERR		CMP136	17	A	49
38	COMPASS	*	EQ	HDS		CMP136	18	A	50
39	COMPASS	HDS	SPACE	4,8		CMP136	19	A	51
40	COMPASS	**	HDS - HEXADECIMAL DATA SCAN.			CMP136	20	A	53
41	COMPASS	*	CONVERT UP TO 26 HEX DIGITS.			CMP136	21	A	54
42	COMPASS					CMP136	22	A	55
43	COMPASS					CMP136	23	A	56
44	COMPASS	HDS	SA2	COLUMN	INITIALIZE CARD POINTERS	CMP136	24	A	57
45	COMPASS		MX0	-55	MASK FOR DIGIT OVERFLOW	CMP136	25	A	58
46	COMPASS		SX7	B0	H16 = 0	CMP136	26	A	59
47	COMPASS		SA1	X2+CARD-1		CMP136	27	A	61
48	COMPASS		MX3	0	L16 = 0	CMP136	28	A	62
49	COMPASS		SB6	55		CMP136	29	A	63
50	COMPASS		MX4	4		CMP136	30	A	64
51	COMPASS		SX2	B0		CMP136	31	A	65

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS						CMP136	32	A
COMPASS	HDS1	LX3	4			CMP136	33	A
COMPASS		LX7	4			CMP136	34	A
COMPASS		IX3	X3+X2	ADD IN NEW DIGIT		CMP136	35	A
COMPASS		SA1	A1+B1	NEXT CHARACTER		CMP136	36	A
COMPASS		AX6	X3,B6	OVERFLOW FROM L16		CMP136	37	A
COMPASS		BX3	-X0*X3	CLEAR OVERFLOW FROM L16		CMP136	38	A
COMPASS		IX7	X7+X6	H16 = H16 + CARRY		CMP136	39	A
COMPASS		ZR	X1,HDS2	IF COLON		CMP136	40	A
COMPASS		SB7	X1-1RF-1			CMP136	41	A
COMPASS		SX2	X1-1RA+10			CMP136	42	A
COMPASS		MI	B7,HDS1	IF *A* - *F*		CMP136	43	A
COMPASS		SB7	X1-1R9-1			CMP136	44	A
COMPASS		SX2	X1-1R0			CMP136	45	A
COMPASS		PL	B7,HDS2	IF NOT *0* - *9*		CMP136	46	A
COMPASS		PL	X2,HDS1	LOOP TO NON-HEX CHARACTER		CMP136	47	A
COMPASS						CMP136	48	A
COMPASS	HDS2	SX6	A1-CARD+1	CORRECT CARD POINTERS		CMP136	49	A
COMPASS		SA7	DV	SET DECIMAL VALUE		CMP136	50	A
COMPASS		SA6	COLUMN			CMP136	51	A
COMPASS		BX6	X3			CMP136	52	A
COMPASS		SX7	10	SET RADIX DEFINED		CMP136	53	A
COMPASS		SA6	A7+B1			CMP136	54	A
COMPASS		SA7	RD			CMP136	55	A
COMPASS		BX6	X1	SET NEXT CHARACTER		CMP136	56	A
COMPASS		SA6	CHAR			CMP136	57	A
COMPASS		EQ	NDS5			CMP136	58	A
COMPASS	NUMERIC	SPACE	4			COMPASS	3389	A
COMPASS	**			CHECK FOR TERMINATOR OR MODIFIER CHARACTERS.		COMPASS	3390	A
COMPASS						COMPASS	3391	A
COMPASS						COMPASS	3392	A
COMPASS	NDS4	RJ	GETCH			COMPASS	3393	A
COMPASS	NDS5	SA2	=2003036000002300064B	MASK FOR \&, /*--+SPOEDB@		COMPASS	3394	A
COMPASS		SB7	X1			COMPASS	3395	A
COMPASS		AX2	B7,X2			COMPASS	3396	A
COMPASS		LX2	59			COMPASS	3397	A
COMPASS		CX0	X2			COMPASS	3398	A
COMPASS		PL	X2,ERR	ERROR IF NOT ONE OF THE ABOVE CHARACTERS		COMPASS	3399	A
COMPASS		SB7	X0	JUMP TO PROCESSOR		COMPASS	3400	A
COMPASS		SA3	AF	(B4) = ADDRESS FIELD FLAG		COMPASS	3401	A
COMPASS		SB4	X3			COMPASS	3402	A
COMPASS		JP	B7+NDSB-1			COMPASS	3403	A
COMPASS	NUMERIC	SPACE	4			COMPASS	3404	A
COMPASS	**			NDSB - TRAILING CHARACTER JUMP TABLE.		COMPASS	3405	A
COMPASS	*			INDEXED BY BIT COUNT OF CHARACTER MASK.		COMPASS	3406	A
COMPASS						COMPASS	3407	A
COMPASS						COMPASS	3408	A
COMPASS	NDSB	BSS	0			COMPASS	3409	A
COMPASS						COMPASS	3410	A
COMPASS	+	NZ	B4,NDS6	& - END IF ADDRESS FIELD		COMPASS	3411	A
COMPASS		EQ	ERR			COMPASS	3412	A
COMPASS						COMPASS	3413	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS					COMPASS	3466	A		
1	COMPASS	**	CHECK OCTAL FIELD FOR CHARACTERS 8 OR 9.			COMPASS	3467	A	1	
2	COMPASS					COMPASS	3468	A	2	
3	COMPASS		SA2	0V	USE OCTAL VALUE	COMPASS	3469	A	3	
4	COMPASS		IX6	X6-X4	ADJUST -S- SCALE FOR FRACTIONAL DIGITS	COMPASS	3470	A	5	
5	COMPASS		LX4	1		COMPASS	3471	A	6	
6	COMPASS		SA3	A2+B1		COMPASS	3472	A	7	
7	COMPASS		IX6	X6-X4		COMPASS	3473	A	9	
8	COMPASS		SA4	0C	CHECK OCTAL FLAG	COMPASS	3474	A	10	
9	COMPASS		NZ	X4,ERR	ERROR IF *8* OR *9* ENCOUNTERED IN SCAN	COMPASS	3475	A	11	
10	COMPASS					COMPASS	3476	A	12	
11	COMPASS	NDS8	IX7	X0-X4	ADJUST -E- SCALE FOR FRACTIONAL DIGITS	COMPASS	3477	A	13	
12	COMPASS		SA6	SV		COMPASS	3478	A	14	
13	COMPASS		SA7	EV		COMPASS	3479	A	15	
14	COMPASS					COMPASS	3480	A	16	
15	COMPASS	**	FORM TRIPLE PRECISION FLOATING VALUE FROM 105 BIT VALUE.			COMPASS	3481	A	17	
16	COMPASS	*	(X5)	= HIGH.		COMPASS	3482	A	18	
17	COMPASS	*	(X6)	= MIDDLE.		COMPASS	3483	A	19	
18	COMPASS	*	(X7)	= LOW.		COMPASS	3484	A	20	
19	COMPASS					COMPASS	3485	A	21	
20	COMPASS		MX0	-41		COMPASS	3486	A	22	
21	COMPASS		PX7	X3	LOW = BITS 0 - 47 OF LOW VALUE	COMPASS	3487	A	23	
22	COMPASS		AX3	48	1. BITS 48 - 59 OF LOW VALUE	COMPASS	3488	A	24	
23	COMPASS		BX4	-X0*X2	2. BITS 0 - 40 OF HIGH VALUE	COMPASS	3489	A	25	
24	COMPASS		LX4	7		COMPASS	3490	A	26	
25	COMPASS		BX6	X4+X3	MIDDLE = (2)+(1)	COMPASS	3491	A	27	
26	COMPASS		SB7	48	MIDDLE EXPONENT = 48	COMPASS	3492	A	28	
27	COMPASS		AX2	41	HIGH = BITS 41 - 59 OF HIGH VALUE	COMPASS	3493	A	29	
28	COMPASS		SB6	B7+B7	HIGH EXPONENT = 96	COMPASS	3494	A	30	
29	COMPASS		PX6	X6,B7		COMPASS	3495	A	31	
30	COMPASS		PX5	X2,B6		COMPASS	3496	A	32	
31	COMPASS					COMPASS	3497	A	33	
32	COMPASS	**	NORMALIZE FLOATING VALUE.			COMPASS	3498	A	34	
33	COMPASS					COMPASS	3499	A	35	
34	COMPASS		NX0	B7,X7		COMPASS	3500	A	36	
35	COMPASS		NX5	B7,X5		COMPASS	3501	A	37	
36	COMPASS		NX6	B7,X6		COMPASS	3502	A	38	
37	COMPASS		FX2	X0+X6		COMPASS	3503	A	39	
38	COMPASS		DX3	X0+X6		COMPASS	3504	A	40	
39	COMPASS		FX7	X5+X2		COMPASS	3505	A	41	
40	COMPASS		DX4	X5+X2		COMPASS	3506	A	42	
41	COMPASS		FX6	X4+X3		COMPASS	3507	A	43	
42	COMPASS		DX5	X4+X3		COMPASS	3508	A	44	
43	COMPASS					COMPASS	3509	A	45	
44	COMPASS	**	BEGIN SCALING.			COMPASS	3510	A	46	
45	COMPASS	*	(B7)	= ACCUMULATED EXPONENT.		COMPASS	3511	A	47	
46	COMPASS					COMPASS	3512	A	48	
47	COMPASS		SB7	B0		COMPASS	3513	A	49	
48	COMPASS		SA2	EV		COMPASS	3514	A	50	
49	COMPASS		ZR	X5,NDS9	IF VALUE = 0	COMPASS	3515	A	51	
50	COMPASS	NUMERIC	SPACE	4		COMPASS	3516	A	52	
51	COMPASS	**	PROCESS -E- SCALING.			COMPASS	3517	A	53	
52									54	
53		0	1	2	3	4	5	6	7	8
54		1234567890123456789012345678901234567890123456789012345678901234567890								

LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

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12345678901	23456789012	34567890123	45678901234	56789012345	67890123456	78901234567	89012345678	90123456789

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA3	A2+B1		COMPASS	3570	A
COMPASS	SA4	A3+B1		COMPASS	3571	A
COMPASS	SB7	B7+B6	ADD EXP OF POWER TO EXP OF CUMULANT	COMPASS	3572	A
COMPASS	RJ	TPM	MULTIPLY BY POWER OF 10	COMPASS	3573	A
COMPASS	SB7	X1+B7	LAST BIT TO EXPONENT SCALING	COMPASS	3574	A
COMPASS	SA6	SCVC+1		COMPASS	3575	A
COMPASS	SA7	A6+B1		COMPASS	3576	A
COMPASS	BX6	X5		COMPASS	3577	A
COMPASS	SA6	A6-B1		COMPASS	3578	A
COMPASS	SCV5	NZ	X0,SCV3 IF MORE SCALING NECESSARY	COMPASS	3579	A
COMPASS				COMPASS	3580	A
COMPASS	SA1	A0	LOAD POWER BETWEEN 1 AND 10**15	COMPASS	3581	A
COMPASS	SA2	SCVC+2	REFETCH SCALED VALUE	COMPASS	3582	A
COMPASS	SA3	A2-B1		COMPASS	3583	A
COMPASS	SA4	A3-B1		COMPASS	3584	A
COMPASS	FX7	X1*X2	1. T*AL S L	COMPASS	3585	A
COMPASS	DX6	X1*X3	2. T*AM D L	COMPASS	3586	A
COMPASS	FX7	X7+X6	3. (1)+(2) S L	COMPASS	3587	A
COMPASS	FX2	X1*X3	4. T*AM S M	COMPASS	3588	A
COMPASS	DX3	X1*X4	5. T*AU D M	COMPASS	3589	A
COMPASS	FX5	X2+X3	6. (4)+(5) S M	COMPASS	3590	A
COMPASS	FX6	X1*X4	7. T*AU S U	COMPASS	3591	A
COMPASS	DX1	X2+X3	8. (4)+(5) D L	COMPASS	3592	A
COMPASS	FX7	X7+X1	9. (3)+(8) S L	COMPASS	3593	A
COMPASS	SA2	EF		COMPASS	3594	A
COMPASS	SA3	RN		COMPASS	3595	A
COMPASS	AX2	1		COMPASS	3596	A
COMPASS	ZR	X3,SCV6	IF INTEGER NUMBER	COMPASS	3597	A
COMPASS				COMPASS	3598	A
COMPASS	**	ROUND VALUE.		COMPASS	3599	A
COMPASS				COMPASS	3600	A
COMPASS	NZ	X2,SCV6	IF DOUBLE PRECISION	COMPASS	3601	A
COMPASS	RX6	X6+X5	ROUND DOUBLE TO SINGLE	COMPASS	3602	A
COMPASS	MX5	0	MIDDLE = 0	COMPASS	3603	A
COMPASS	BX7	X1-X1	LOW = 0	COMPASS	3604	A
COMPASS				COMPASS	3605	A
COMPASS	SCV6	DX4	X5+X6 ROUND TRIPLE TO DOUBLE	COMPASS	3606	A
COMPASS	FX5	X5+X6		COMPASS	3607	A
COMPASS	RX6	X4+X7		COMPASS	3608	A
COMPASS	DX7	X5+X6	(X7) = LOW	COMPASS	3609	A
COMPASS	FX6	X5+X6	(X6) = HIGH	COMPASS	3610	A
COMPASS	UX1	B5,X6	(B7) = EXPONENT OF HIGH	COMPASS	3611	A
COMPASS	SB7	B7+B5		COMPASS	3612	A
COMPASS				COMPASS	3613	A
COMPASS	**	PERFORM -S- SCALING.		COMPASS	3614	A
COMPASS				COMPASS	3615	A
COMPASS	SA1	SV		COMPASS	3616	A
COMPASS	SB7	B7+X1		COMPASS	3617	A
COMPASS	PX6	X6,B7		COMPASS	3618	A
COMPASS	SB5	B7-2000B	CHECK EXPONENT	COMPASS	3619	A
COMPASS	SA1	CHAR	NEXT CHARACTER	COMPASS	3620	A
COMPASS	PL	B5,ERR	EXPONENT EXCEEDS MAXIMUM ALLOWABLE	COMPASS	3621	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	*	ENTRY	(X7) = SCALE FLAG.	COMPASS	3724	A	
1	COMPASS	*		(B6) = ADDRESS OF SCALE TYPE SIGN.	COMPASS	3725	A	
2	COMPASS				COMPASS	3726	A	
3	COMPASS				COMPASS	3727	A	
4	COMPASS	SSV	SA5	B6-B1	CHECK SCALE FLAG	COMPASS	3728	A
5	COMPASS		SA7	B6-B1	STORE SCALE FLAG	COMPASS	3729	A
6	COMPASS		NZ	X5,ERR	ERROR IF DUPLICATED SPECIFICATION	COMPASS	3730	A
7	COMPASS		MX7	0		COMPASS	3731	A
8	COMPASS		SB7	X1-1R+	CHECK CHARACTER	COMPASS	3732	A
9	COMPASS		ZR	B7,SSV1	IF +	COMPASS	3733	A
10	COMPASS		NE	B7,B1,SSV2	IF NOT -	COMPASS	3734	A
11	COMPASS		MX6	60	SET SIGN NEGATIVE	COMPASS	3735	A
12	COMPASS		SA6	B6		COMPASS	3736	A
13	COMPASS					COMPASS	3737	A
14	COMPASS	SSV1	RJ	GETCH	NEXT CHARACTER	COMPASS	3738	A
15	COMPASS	SSV2	SB7	X1-1R0	CHECK CHARACTER	COMPASS	3739	A
16	COMPASS		SB5	X1-1R9		COMPASS	3740	A
17	COMPASS		NG	B7,SSV3	IF ALPHA	COMPASS	3741	A
18	COMPASS		GE	B5,B1,SSV3	IF NOT DIGIT	COMPASS	3742	A
19	COMPASS		BX5	X7	ACCUMULATION * 10	COMPASS	3743	A
20	COMPASS		LX7	2		COMPASS	3744	A
21	COMPASS		IX5	X7+X5		COMPASS	3745	A
22	COMPASS		LX5	1		COMPASS	3746	A
23	COMPASS		SX3	B7		COMPASS	3747	A
24	COMPASS		IX7	X5+X3		COMPASS	3748	A
25	COMPASS		EQ	SSV1	LOOP	COMPASS	3749	A
26	COMPASS					COMPASS	3750	A
27	COMPASS	SSV3	SA7	B6+B1	STORE VALUE	COMPASS	3751	A
28	COMPASS		EQ	NDS5	RETURN TO PROCESS NEXT CHARACTER	COMPASS	3752	A
29	COMPASS	TPM	SPACE	4		COMPASS	3753	A
30	COMPASS	**	TPM	-	TRIPLE PRECISION MULTIPLY.	COMPASS	3754	A
31	COMPASS	*	ENTRY	(X2,X3,X4) = 1ST FACTOR.	COMPASS	3755	A	
32	COMPASS	*		(X5,X6,X7) = 2ND FACTOR.	COMPASS	3756	A	
33	COMPASS	*	EXIT	(X5,X6,X7) = PRODUCT.	COMPASS	3757	A	
34	COMPASS				COMPASS	3758	A	
35	COMPASS				COMPASS	3759	A	
36	COMPASS	TPM	PS	0	ENTRY/EXIT	COMPASS	3760	A
37	COMPASS		FX6	X5*X4	1. BU*AL S L	COMPASS	3761	A
38	COMPASS		DX7	X5*X3	2. BU*AM D L	COMPASS	3762	A
39	COMPASS		FX4	X6+X7	3. (1)+(2) S L	COMPASS	3763	A
40	COMPASS		FX6	X5*X3	4. BU*AM S M	COMPASS	3764	A
41	COMPASS		DX7	X5*X2	5. BU*AU D M	COMPASS	3765	A
42	COMPASS		FX1	X6+X7	6. (4)+(5) S M	COMPASS	3766	A
43	COMPASS		SA5	A5+B1	BM	COMPASS	3767	A
44	COMPASS		DX6	X6+X7	7. (4)+(5) D L	COMPASS	3768	A
45	COMPASS		FX7	X5*X3	8. BM*AM S L	COMPASS	3769	A
46	COMPASS		FX4	X4+X6	9. (3)+(7) S L	COMPASS	3770	A
47	COMPASS		DX6	X5*X2	10. BM*AU D L	COMPASS	3771	A
48	COMPASS		FX4	X7+X4	11. (8)+(9) S L	COMPASS	3772	A
49	COMPASS		FX3	X6+X4	12. (10)+(11) S L	COMPASS	3773	A
50	COMPASS		FX7	X5*X2	13. BM*AU S M	COMPASS	3774	A
51	COMPASS		FX6	X1+X7	14. (6)+(13) S M	COMPASS	3775	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA4	A5+B1	BL	COMPASS	3776	A
COMPASS	SA5	A5-B1	BU	COMPASS	3777	A
COMPASS	DX7	X1+X7	15. (6)+(13) D L	COMPASS	3778	A
COMPASS	FX7	X3+X7	16. (12)+(15) S L	COMPASS	3779	A
COMPASS	FX3	X4+X2	17. BL*AU S L	COMPASS	3780	A
COMPASS	FX5	X5+X2	18. BU*AU S U	COMPASS	3781	A
COMPASS	FX7	X7+X3	19. (16)+(17) S L	COMPASS	3782	A
COMPASS	FX3	X6+X7	POST NORMALIZE RESULT	COMPASS	3783	A
COMPASS	DX4	X6+X7		COMPASS	3784	A
COMPASS	FX2	X3+X5		COMPASS	3785	A
COMPASS	DX5	X3+X5		COMPASS	3786	A
COMPASS	FX3	X4+X5		COMPASS	3787	A
COMPASS	DX4	X4+X5		COMPASS	3788	A
COMPASS	UX2	B5,X2		COMPASS	3789	A
COMPASS	SX1	B5		COMPASS	3790	A
COMPASS	SB5	-48		COMPASS	3791	A
COMPASS	PX6	X3,B5	REPACK WITH ZERO EXPONENTS	COMPASS	3792	A
COMPASS	SB5	B5+B5		COMPASS	3793	A
COMPASS	PX5	X2		COMPASS	3794	A
COMPASS	PX7	X4,B5		COMPASS	3795	A
COMPASS	EQ	TPM	RETURN	COMPASS	3796	A
COMPASS SCVA	SPACE	4		COMPASS	3797	A
COMPASS **	SCVA	- 10**(-16)	IN TRIPLE PRECISION.	COMPASS	3798	A
COMPASS				COMPASS	3799	A
COMPASS				COMPASS	3800	A
COMPASS SCVA	BSS	0		COMPASS	3801	A
COMPASS	CON	16327151262457542115B		COMPASS	3802	A
COMPASS	CON	15527025551413537150B		COMPASS	3803	A
COMPASS	CON	14723630465154737561B		COMPASS	3804	A
COMPASS SCVB	SPACE	4		COMPASS	3805	A
COMPASS **	SCVB	- TABLE OF POWERS OF 10.		COMPASS	3806	A
COMPASS				COMPASS	3807	A
COMPASS				COMPASS	3808	A
COMPASS SCVB	BSS	0		COMPASS	3809	A
COMPASS	CON	1.		COMPASS	3810	A
COMPASS	CON	10.		COMPASS	3811	A
COMPASS	CON	100.		COMPASS	3812	A
COMPASS	CON	1.E3		COMPASS	3813	A
COMPASS	CON	1.E4		COMPASS	3814	A
COMPASS	CON	1.E5		COMPASS	3815	A
COMPASS	CON	1.E6		COMPASS	3816	A
COMPASS	CON	1.E7		COMPASS	3817	A
COMPASS	CON	1.E8		COMPASS	3818	A
COMPASS	CON	1.E9		COMPASS	3819	A
COMPASS	CON	1.E10		COMPASS	3820	A
COMPASS	CON	1.E11		COMPASS	3821	A
COMPASS	CON	1.E12		COMPASS	3822	A
COMPASS	CON	1.E13		COMPASS	3823	A
COMPASS	CON	1.E14		COMPASS	3824	A
COMPASS	CON	1.E15		COMPASS	3825	A
COMPASS				COMPASS	3826	A
COMPASS SCVC	DATA	0,0,0	TEMPORARY STORAGE FOR SCALING	COMPASS	3827	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS		SX1	X1-1		COMPASS	3878	A
COMPASS		JP	B6	PROCESS CHARACTER STRING	COMPASS	3879	A
COMPASS	CHAR	SPACE	4		COMPASS	3880	A
COMPASS	**	NCS	-	NUMERIC COUNT CHARACTER STRING.	COMPASS	3881	A
COMPASS	*	ENTRY	(B6)	= ADDRESS OF CHARACTER STRING PROCESSOR.	COMPASS	3882	A
COMPASS					COMPASS	3883	A
COMPASS					COMPASS	3884	A
COMPASS	NCS	SA3	DV	CHECK VALUE OF COUNT	COMPASS	3885	A
COMPASS		SA2	A3+B1		COMPASS	3886	A
COMPASS		SA0	B1	SET FLAG TO SAVE TERMINATOR	COMPASS	3887	A
COMPASS		NZ	X3,ERR	ERROR IF UPPER PART OF VALUE " 0	COMPASS	3888	A
COMPASS		SB2	X2		COMPASS	3889	A
COMPASS		SA2	RD		COMPASS	3890	A
COMPASS		NZ	X2,ERR	ERROR IF RADIX SPECIFIED	COMPASS	3891	A
COMPASS		SA4	COLUMN		COMPASS	3892	A
COMPASS		SX5	CARD+71*NCARDS		COMPASS	3893	A
COMPASS		SX7	X4+B2	CHECK THAT THIS DOES NOT EXCEED END	COMPASS	3894	A
COMPASS		IX6	X5-X7		COMPASS	3895	A
COMPASS		NG	X6,ERR		COMPASS	3896	A
COMPASS		NZ	B2,NCS3	IF NON-ZERO VALUE	COMPASS	3897	A
COMPASS		SX3	3000B	MASK FOR \ , @	COMPASS	3898	A
COMPASS		SA2	AF		COMPASS	3899	A
COMPASS		LX3	36		COMPASS	3900	A
COMPASS		SB2	X2		COMPASS	3901	A
COMPASS		NE	B2,B1,NCS1	IF NOT ADDRESS FIELD	COMPASS	3902	A
COMPASS		SA3	=2003036BS36	MASK FOR \& ,/*-+@	COMPASS	3903	A
COMPASS	NCS1	SB2	-B1		COMPASS	3904	A
COMPASS		SA1	X4+CARD-1	SET FOR DELIMITER SCAN	COMPASS	3905	A
COMPASS	NCS2	SA1	A1+B1		COMPASS	3906	A
COMPASS		SB7	X1		COMPASS	3907	A
COMPASS		AX2	X3,B7		COMPASS	3908	A
COMPASS		SB2	B2+B1		COMPASS	3909	A
COMPASS		LX2	59		COMPASS	3910	A
COMPASS		PL	X2,NCS2		COMPASS	3911	A
COMPASS	NCS3	SA1	AF	(X1) = ADDRESS FIELD FLAG	COMPASS	3912	A
COMPASS		SX1	X1-1		COMPASS	3913	A
COMPASS		JP	B6	PROCESS CHARACTER STRING	COMPASS	3914	A
COMPASS	CHAR	SPACE	4		COMPASS	3915	A
COMPASS	**	CSH	-	PROCESS -H- FORMAT.	COMPASS	3916	A
COMPASS					COMPASS	3917	A
COMPASS					COMPASS	3918	A
COMPASS	CSH	SX6	-B1		COMPASS	3919	A
COMPASS		SB3	B0	NO LEADING CHARACTERS	COMPASS	3920	A
COMPASS		RJ	CCS	COMPUTE CHARACTER STRING	COMPASS	3921	A
COMPASS		SB4	X6	SET TRAILING CHARACTER COUNT	COMPASS	3922	A
COMPASS		SX7	B1		COMPASS	3923	A
COMPASS		SX0	1R	SPACE FILL	COMPASS	3924	A
COMPASS		SA7	SF		COMPASS	3925	A
COMPASS		NG	X1,GCS	IF NOT ADDRESS FIELD	COMPASS	3926	A
COMPASS		SA7	SV	SET JUSTIFICATION FLAG	COMPASS	3927	A
COMPASS	CHAR	SPACE	4		COMPASS	3928	A
COMPASS	**	CSA	-	PROCESS -A- FORMAT.	COMPASS	3929	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	CSR	SX6	-B1				COMPASS	3976	A	
1	COMPASS		SB4	B0	NO TRAILING CHRACTERS			COMPASS	3977	A	1
2	COMPASS		RJ	CCS	COMPUTE CHARACTER STRING			COMPASS	3978	A	2
3	COMPASS		SB3	X6	SET LEADING CHARACTER COUNT			COMPASS	3979	A	3
4	COMPASS		MX0	0	ZERO FILL			COMPASS	3980	I	4
5		-CMP069									5
6	COMPASS		MX0	1	ZERO FILL, NO CONVERSION	P069	19	CMP069	4	A	6
7	COMPASS		EQ	GCS				COMPASS	3981	A	7
8	COMPASS	CHAR	SPACE	4				COMPASS	3982	A	8
9	COMPASS	**	GCS	-	GENERATE CHARACTER STRING.			COMPASS	3983	A	9
10	COMPASS	*	ENTRY	(X0)	= FILL CHARACTER.			COMPASS	3984	A	10
11	COMPASS	*		(X3)	= EFFECTIVE CHARACTER COUNT.			COMPASS	3985	A	11
12	COMPASS	*		(B2)	= DATA CHARACTER COUNT.			COMPASS	3986	A	12
13	COMPASS	*		(B3)	= LEADING FILL CHARACTER COUNT.			COMPASS	3987	A	13
14	COMPASS	*		(B4)	= TRAILING FILL CHARACTER COUNT.			COMPASS	3988	A	14
15	COMPASS	*		(A0)	= FLAG TO SAVE TERMINATOR CHARACTER.			COMPASS	3989	A	15
16	COMPASS							COMPASS	3990	A	16
17	COMPASS							COMPASS	3991	A	17
18	COMPASS	GCS	SA5	D0	PRESET BYTE COUNTERS AND WORD VALUE			COMPASS	3992	A	18
19	COMPASS		SA4	DL				COMPASS	3993	A	19
20	COMPASS		SB7	X3				COMPASS	3994	A	20
21	COMPASS		SB6	X3				COMPASS	3995	A	21
22	COMPASS		MX7	0				COMPASS	3996	A	22
23	COMPASS		MI	X0,GCS1A	IF NO FILL CHARACTER			CPSA281	38	A	23
24	COMPASS		SA1	CT				CPSA281	39	A	24
25	COMPASS		SX1	X1-45				CPSA281	40	A	25
26	COMPASS		NZ	X1,GCS1A	IF NOT 8-BIT ASCII			CPSA281	41	A	26
27	COMPASS		SX7	1002B	INITIALIZE TRAILING FILL TO SPACE			CPSA281	42	A	27
28	COMPASS	GCS1A	BSS	0				CPSA281	43	A	28
29	COMPASS		SB5	X4	(B5) = LIMITING WORD COUNT			COMPASS	3997	A	29
30	COMPASS		SA1	CT				COMPASS	3998	A	30
31	COMPASS		MX3	-6				CPSA213	5	A	31
32	COMPASS		SA2	PPTYPE				CPSA213	6	A	32
33	COMPASS		PL	X2,GCS1B	IF NOT 8-BIT			CPSA213	7	A	33
34	COMPASS		SX2	X2+2				CPSA213	8	A	34
35	COMPASS		MI	X2,GCS1B	IF NOT 8-BIT			CPSA213	9	A	35
36	COMPASS		MX3	-6				COMPASS	3999	I	36
37		-F4820									37
38	COMPASS		MX3	-8				F4820	73	A	38
39	COMPASS	GCS1B	BSS	0				CPSA213	10	A	39
40	COMPASS		SX4	-B4				COMPASS	4000	A	40
41		-CMP64G	+CMP069								41
42	COMPASS		BX6	X1+X0				CMP64G	3	I	42
43		-CMP069									43
44	COMPASS	+	NZ	X6,*+1	IF NOT DISPLAY CODE WITH 00 FILL			CMP64G	4	I	44
45		-CMP069									45
46	COMPASS		MX0	1	SET NO-CONVERSION FLAG			CMP64G	5	I	46
47		-CMP069									47
48	COMPASS	+	SX4	-B4				CMP64G	6	I	48
49		-CMP069									49
50	COMPASS		SB4	X1	(B4) = CHARACTER TYPE SHIFT			COMPASS	4001	A	50
51	COMPASS		ZR	B3,GCS2	IF NO LEADING FILL			COMPASS	4002	A	51
52											52
53		0	1	2	3	4	5	6	7	8	53
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS					COMPASS	4003	A
COMPASS	GCS1	BX6	X0	PACK LEADING FILL CHARACTERS	COMPASS	4004	A
COMPASS		SB3	B3-B1		COMPASS	4005	A
COMPASS		RJ	STC		COMPASS	4006	A
COMPASS		NZ	B3,GCS1		COMPASS	4007	A
COMPASS	GCS2	SB3	B2+B2		COMPASS	4008	A
COMPASS		ZR	B2,GCS4		COMPASS	4009	A
COMPASS	GCS3	SB2	B2-B1	PACK CHARACTERS	COMPASS	4010	A
COMPASS		RJ	GETCH		COMPASS	4011	A
COMPASS		RJ	STC		COMPASS	4012	A
COMPASS		NZ	B2,GCS3		COMPASS	4013	A
COMPASS	GCS4	SB2	A0		COMPASS	4014	A
COMPASS		ZR	X4,GCS6	IF NO TRAILING FILL	COMPASS	4015	A
COMPASS	GCS5	SX4	X4+B1		COMPASS	4016	A
COMPASS		BX6	X0	PACK TRAILING FILL CHARACTRRS	COMPASS	4017	A
COMPASS		RJ	STC		COMPASS	4018	A
COMPASS		NZ	X4,GCS5		COMPASS	4019	A
COMPASS	GCS6	NZ	B2,GCS7	THROW AWAY TERMINATOR IN BRACKET CASE	COMPASS	4020	A
COMPASS		RJ	GETCH		COMPASS	4021	A
COMPASS	GCS7	RJ	GETCH	THROW AWAY LAST CHARACTER	COMPASS	4022	A
COMPASS		SA4	A5		COMPASS	4023	A
COMPASS		IX3	X5-X4	CALCULATE WORD COUNT	COMPASS	4024	A
COMPASS		SA2	SV		COMPASS	4025	A
COMPASS		ZR	X2,GCS8	IF NO JUSTIFICATION	COMPASS	4026	A
-F4820					COMPASS	4027	A
		ZR	X2,GCS9	IF NO JUSTIFICATION	COMPASS	4028	A
		SA2	FW		COMPASS	4029	I
		SX6	B3+B3		F4820	74	A
-F4820					COMPASS	4030	A
		SA3	PPTYPE		COMPASS	4031	I
		SX6	B3+B3	DATA CHARACTER COUNT * 4			
		SX0	X6+B3		F4820	75	A
		SA5	CT	CHARACTER TYPE SHIFT COUNT	F4820	76	A
		SX5	X5-45		COMPASS	4032	A
		NZ	X5,GCS7A	IF NOT 8-BIT ASCII	CPSA281	44	A
		LX0	X6,B1		CPSA281	45	A
	GCS7A	BSS	0		CPSA281	46	A
		IX0	X2-X0		CPSA281	47	A
		SB7	X0		CPSA281	48	A
		SA5	X4		COMPASS	4033	A
		LX6	B7,X5		COMPASS	4034	A
-F4820					COMPASS	4035	A
		SA6	A5		COMPASS	4036	I
-F4820							
		PL	B7,GCS8	IF NO TRUNCATION	COMPASS	4037	I
-F4820							
		LX7	B7,X5		COMPASS	4038	I
		SA7	A5		F4820	77	A
		PL	X3,GCS8	IF NOT HEX CHARACTERS	F4820	78	A
					F4820	79	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SX3	X3+2		CPSA197	8	A		
COMPASS	MI	X3,GCS8	IF NOT BCU/MCU	CPSA197	9	A		
COMPASS	LX0	X6,B1		F4820	80	A		
COMPASS	IX0	X2-X0	SHIFT = FW - 8 * DATA CHARACTER COUNT	F4820	81	A		
COMPASS	SB7	X0		F4820	82	A		
COMPASS	SB2	B7-48		F4820	83	A		
COMPASS	LX6	X5,B7		F4820	84	A		
COMPASS	MX7	12		F4820	85	A		
COMPASS	LX5	X5,B2		F4820	86	A		
COMPASS	LX7	X7,B2		F4820	87	A		
COMPASS	BX6	X7*X6		F4820	88	A		
COMPASS	BX7	-X7*X5		F4820	89	A		
COMPASS	BX6	X6+X7		F4820	90	A		
COMPASS	SA6	A5		F4820	91	A		
COMPASS	GCS8	PL	B7,GCS9	IF NO TRUNCATION	F4820	92	A	
COMPASS	SX6	B1		COMPASS	4039	A		
COMPASS	SA6	W7ERR		COMPASS	4040	A		
COMPASS	SA6	EFLG		COMPASS	4041	A		
COMPASS	GCS8	SA2	SF	COMPASS	4042	I		
-F4820								
COMPASS	GCS9	SA2	SF	F4820	93	A		
COMPASS	ZR	X2,SCDX	EXIT IF NO JUSTIFICATION NECESSARY	COMPASS	4043	A		
COMPASS	SA2	FW		COMPASS	4044	A		
COMPASS	SB7	X2-60		COMPASS	4045	A		
COMPASS	ZR	B7,SCDX		COMPASS	4046	A		
COMPASS	MX6	1		COMPASS	4047	A		
COMPASS	SB7	B7+B1		COMPASS	4048	A		
COMPASS	LX6	X6,B7		COMPASS	4049	A		
COMPASS	SA5	X4		COMPASS	4050	A		
COMPASS	BX6	-X6*X5		COMPASS	4051	A		
COMPASS	SA6	X4		COMPASS	4052	A		
COMPASS	EQ	SCDX	EXIT	COMPASS	4053	A		
COMPASS	CHAR	SPACE	4	COMPASS	4054	A		
COMPASS	**	CCS -	CALCULATE CHARACTER STRING.	COMPASS	4055	A		
COMPASS	*	ENTRY	(B2) = CHARACTER COUNT.	COMPASS	4056	A		
COMPASS	*		(X1) = ADDRESS FIELD FLAG - 1.	COMPASS	4057	A		
COMPASS	*		(X6) = EXTRA CHARACTER FLAG.	F4820	94	A		
COMPASS	*	EXIT	(X6) = (B2+NCHARS+X6)/NCHARS*NCHARS-B2.	COMPASS	4058	A		
COMPASS	*		(X3) = EFFECTIVE VALUE OF NCHARS.	COMPASS	4059	A		
COMPASS	*	SAVES	X1, B2, B3, B4, A0.	F4820	95	A		
COMPASS				COMPASS	4060	A		
COMPASS				COMPASS	4061	A		
COMPASS	CCS2	PX6	X6	NCHARS = 10	COMPASS	4062	I	
-F4820								
COMPASS	SA4	=0.10000001P48		COMPASS	4063	I		
-F4820								
COMPASS	FX7	X6*X4		COMPASS	4064	I		
-F4820								
COMPASS	UX5	B6,X7		COMPASS	4065	I		
-F4820								
COMPASS	IX4	X5+X5	MULTIPLY BY 10	COMPASS	4066	I		
-F4820								
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	NZ	X7,CCS2	IF ADDRESS OR CENTRAL DATA	F4820	108	A
COMPASS	AX6	1		F4820	109	A
COMPASS	IX6	X6+X6		F4820	110	A
COMPASS CCS1.1	SX6	X6+B7		F4820	111	A
COMPASS	EQ	CCS	RETURN	F4820	112	A
COMPASS CHAR	SPACE	4		COMPASS	4088	A
COMPASS **	STC	-	STORE CHARACTER.	COMPASS	4089	A
COMPASS *	ENTRY	(X5)	= STORE ADDRESS.	F4820	113	I
-CPSA293						
COMPASS *				CPSA293	35	A
COMPASS *	ENTRY	(X3)	= CHARACTER MASK FOR 6 OR 8 BIT CHARACTER.	CPSA293	36	A
COMPASS *		(X5)	= STORE ADDRESS.	CPSA293	37	A
COMPASS *		(X6)	= CHARACTER TO BE STORED.	CPSA293	38	A
COMPASS *		(X7)	= ACCUMULATION WORD.	CPSA293	39	A
COMPASS *		(B2)	= DATA CHARACTER COUNT.	F4820	114	A
COMPASS *		(B3)	= LEADING FILL CHARACTER COUNT.	F4820	115	A
COMPASS *		(B4)	= CHARACTER TYPE SHIFT.	F4820	116	A
COMPASS *		(B5)	= LIMITING WORD COUNT.	F4820	117	A
COMPASS *		(B6)	= EFFECTIVE CHARACTER COUNT.	F4820	118	A
COMPASS *		(B7)	= CHARACTER COUNT.	F4820	119	A
COMPASS				COMPASS	4090	A
COMPASS				COMPASS	4091	A
COMPASS				COMPASS	4092	A
COMPASS STC1	SA7	X5	STORE COMPLETED WORD	COMPASS	4093	A
COMPASS	SX5	X5+B1	INCREMENT STORE ADDRESS	COMPASS	4094	A
COMPASS	MX7	0	CLEAR CUMULATING WORD	COMPASS	4095	A
COMPASS				COMPASS	4096	A
COMPASS STC	PS	0	ENTRY/EXIT	COMPASS	4097	I
-CPSA293						
COMPASS	LX7	6		COMPASS	4098	I
-CPSA293						
COMPASS	SB7	B7-B1	DECREMENT CHARACTER COUNT	COMPASS	4099	I
-CPSA293						
COMPASS	SA2	PPTYPE		F4820	120	I
-CPSA281						
COMPASS	MI	X6,STC2	IF 00 FILL - NO CONVERSION	CMP64G	7	I
-CPSA281						
COMPASS	SA1	X6+STCA	CONVERT TYPE	COMPASS	4100	I
-CPSA281						
COMPASS +	PL	X2,*+1	IF NOT 8-BIT DATA	F4820	121	I
-CPSA197	-CPSA281					
COMPASS	PL	X2,STC3		CPSA197	12	I
-CPSA281						
COMPASS	SX2	X2+2		CPSA197	13	I
-CPSA281						
COMPASS	MI	X2,STC3	IF NOT BCU/MCU.	CPSA197	14	I
-CPSA281						
COMPASS	LX7	2		F4820	122	I
-CPSA281						
COMPASS	NO			F4820	123	I
-CPSA197	-CPSA281					
COMPASS STC3	BSS	0		CPSA197	15	I
0	1	2	3	4	5	6
123456789012345678901234567890123456789012345678901234567890						



## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPSA281

1	COMPASS	-CPSA281	AX2	X1,B4		COMPASS	4101		I	
2	COMPASS	-CPSA281	BX6	-X3*X2		COMPASS	4102		I	
3	COMPASS	-CPSA281	MX2	0		CPSA281	54		I	
4	COMPASS	-CPSA293	SX1	B4-45		CPSA281	55		I	
5	COMPASS	-CPSA293	NZ	X1,STC3	IF NOT ASCII CONVERSION	CPSA281	56		I	
6	COMPASS	-CPSA293	LX7	2		CPSA281	57		I	
7	COMPASS	-CPSA293	SX2	ASC6T8		CPSA281	58		I	
8	COMPASS	-CPSA293	STC3	MI	X6,STC2	CPSA281	59		I	
9	COMPASS	-CPSA293	STC	EQ	**1S17 ENTRY/EXIT	CPSA293	40	A		
10	COMPASS	*		THE FOLLOWING WORD *STC0* IS MODIFIED FROM VARIOUS PLACES TO			CPSA293	41	A	
11	COMPASS	*		MAKE *STC* STORE EITHER 6 OR 8-BIT CHARACTERS, AND TO			CPSA293	42	A	
12	COMPASS	*		SELECTIVELY HANDLE ASCII CONVERSION.			CPSA293	43	A	
13	COMPASS	STC0	SX2	0	SET FOR NO ASCII CONVERSION	CPSA293	44	A		
14	COMPASS		LX7	6	SHIFT ASSEMBLY FOR 6-BIT CHARS	CPSA293	45	A		
15	COMPASS		SB7	B7-B1	DECREMENT CHARACTER COUNT	CPSA293	46	A		
16	COMPASS		MI	X6,STC2		CPSA293	47	A		
17	COMPASS		SA1	X6+STCA		CPSA293	48	A		
18	COMPASS		AX1	X1,B4		CPSA293	49	A		
19	COMPASS		BX6	-X3*X1		CPSA293	50	A		
20	COMPASS		IX6	X6+X2		CPSA281	60	A		
21	COMPASS		BX7	X7+X6	OR IN CHARACTER	CPSA281	61	A		
22	COMPASS		NZ	B7,STC	RETURN IF NOT END OF WORD	CPSA281	62	A		
23	COMPASS	-CMP64G	STC2	NZ	B7,STC RETURN IF NOT END OF WORD	COMPASS	4103	A		
24	COMPASS		SA3	SI	COMPLEMENT ON SIGN	COMPASS	4104		I	
25	COMPASS	-CPSA293	BX7	X7-X3		CMP64G	8	A		
26	COMPASS	-CPSA293	SA1	SI	COMPLEMENT ON SIGN	COMPASS	4105		I	
27	COMPASS		BX7	X7-X1		COMPASS	4106		I	
28	COMPASS		SB5	B5-B1		CPSA293	51	A		
29	COMPASS		SB7	B6	RESET CHARACTER COUNTER	CPSA293	52	A		
30	COMPASS		MX3	-6		COMPASS	4107	A		
31	COMPASS	-CPSA293	SA2	PPTYPE		COMPASS	4108	A		
32	COMPASS	-CPSA293	PL	X2,STC4		CPSA213	11		I	
33	COMPASS	-CPSA293	SX2	X2+2		CPSA213	12		I	
34	COMPASS	-CPSA293				CPSA213	13		I	
35	COMPASS	-CPSA293				CPSA213	14		I	
36	0	1	2	3	4	5	6	7	8	
37	1234567890123456789012345678901234567890123456789012345678901234567890									

LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

1	COMPASS	-CPSA293	MI	X2,STC4		CPSA213	15	I	
2	COMPASS	-F4820	MX3	-6		COMPASS	4109	I	
3	COMPASS	-CPSA293	MX3	-8		F4820	124	I	
4	COMPASS	STC4	BSS	0		CPSA213	16	I	
5	COMPASS	-CPSA293	PL	B5,STC1	IF STILL IN RANGE	COMPASS	4110	A	
6	COMPASS		SX7	B1	SET A-ERROR	COMPASS	4111	A	
7	COMPASS		SA7	EXERR		COMPASS	4112	A	
8	COMPASS		SA7	AERR		COMPASS	4113	A	
9	COMPASS		SA7	EFLG		COMPASS	4114	A	
10	COMPASS		MX7	0		COMPASS	4115	A	
11	COMPASS		EQ	STC	RETURN	COMPASS	4116	A	
12	COMPASS					CPSA293	53	A	
13	COMPASS	*	CODE-MODIFICATION WORDS FOR *STC0*.			CPSA293	54	A	
14	COMPASS					CPSA293	55	A	
15	COMPASS	STCW	SX2	0	SET FOR NO ASCII CONVERSION	CPSA293	56	A	
16	COMPASS		LX7	6	SHIFT ASSEMBLY FOR 6-BIT CHARS	CPSA293	57	A	
17	COMPASS		SB7	B7-B1	DECREMENT CHARACTER COUNT	CPSA293	58	A	
18	COMPASS					CPSA293	59	A	
19	COMPASS	STCX	SX2	0	SET FOR NO ASCII CONVERSION	CPSA293	60	A	
20	COMPASS		LX7	8	SHIFT ASSEMBLY FOR 8-BIT CHARS	CPSA293	61	A	
21	COMPASS		SB7	B7-B1	DECREMENT CHARACTER COUNT	CPSA293	62	A	
22	COMPASS					CPSA293	63	A	
23	COMPASS	STCZ	SX2	ASC6T8	SET FOR ASCII CONVERSION	CPSA293	64	A	
24	COMPASS		LX7	8	SHIFT ASSEMBLY FOR 8-BIT CHARS	CPSA293	65	A	
25	COMPASS		SB7	B7-B1	DECREMENT CHARACTER COUNT	CPSA293	66	A	
26	COMPASS	CHAR	SPACE	4		COMPASS	4117	A	
27	COMPASS	**	CHAR	- CHARACTER SET CODES.		COMPASS	4118	A	
28	COMPASS	*	CHAR	A,B,C,D		COMPASS	4119	A	
29	COMPASS	*	ENTRY	(A) = DISPLAY CODE.		COMPASS	4120	A	
30	COMPASS	*		(B) = EXTERNAL BCD.		COMPASS	4121	A	
31	COMPASS	*		(C) = INTERNAL BCD.		COMPASS	4122	A	
32	COMPASS	*		(D) = USASCII.		COMPASS	4123	A	
33	COMPASS					COMPASS	4124	A	
34	COMPASS					COMPASS	4125	A	
35	COMPASS		PURGMAC	CHAR		CPS011	6	A	
36	COMPASS					CPS011	7	A	
37	COMPASS	CHAR	MACRO	A,B,C,D		COMPASS	4126	A	
38	COMPASS		CON	;D;C;B;A		COMPASS	4127	I	
39	COMPASS	-CPS011							
40	COMPASS		CON	;A;D;C;B;A		CPS011	8	I	
41	COMPASS	-F4820							
42	COMPASS		CON	;A00;D00;C00;B00;A		F4820	125	I	
43	COMPASS	-CPSA281							
44	COMPASS		CON	;D0;A0;D0;C0;B0;A		CPSA281	64	A	
45	COMPASS		ENDM			COMPASS	4128	A	
46	COMPASS	CHAR*	MACRO	A,B,C,D	CHARACTERS OF SPECIAL INTEREST TO *SQUEEZE*	CMP64G	9	A	
47	COMPASS		VFD	1/1,59D/;D;C;B;A		CMP64G	10	A	
48	COMPASS					CMP64G	11	I	
49		0	1	2	3	4	5	6	7
50		1234567890123456789012345678901234567890123456789012345678901234567890							
51									
52									
53									
54									

LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS011

1	COMPASS	CON	1S59+;A;D;C;B;A	CPS011	9	I
2	-F4820					
3	COMPASS	CON	1S59+;A00;D00;C00;B00;A	F4820	126	I
4	-CPSA281					
5	COMPASS	CON	1S59+;D0;A0;D0;C0;B0;A	CPSA281	65	A
6	COMPASS	ENDM		CMP64G	12	A
7	COMPASS	CHAR	SPACE 4	COMPASS	4129	A
8	COMPASS	BASE	0	COMPASS	4130	A
9	COMPASS	STCA	BSS 0	COMPASS	4131	A
10	COMPASS	LOC	0	COMPASS	4132	A
11	COMPASS			COMPASS	4133	A
12	COMPASS	IFEQ	IP.CSET,IP.C63,2	CPS0328	7	A
13	COMPASS	CHAR*	00,20,60,00 UNDEFINED FOR 63 CSET --> SPACE	CPS0328	8	A
14	COMPASS	SKIP	1	CPS0328	9	A
15	COMPASS	CHAR	00,00,00,00 ZERO FILL	COMPASS	4134	I
16	-CMP64G					
17	COMPASS	CHAR*	00,00,12,32 COLON	CMP64G	13	A
18	COMPASS	CHAR	01,61,21,41 A	COMPASS	4135	A
19	COMPASS	CHAR	02,62,22,42 B	COMPASS	4136	A
20	COMPASS	CHAR	03,63,23,43 C	COMPASS	4137	A
21	COMPASS	CHAR	04,64,24,44 D	COMPASS	4138	A
22	COMPASS	CHAR	05,65,25,45 E	COMPASS	4139	A
23	COMPASS	CHAR	06,66,26,46 F	COMPASS	4140	A
24	COMPASS	CHAR	07,67,27,47 G	COMPASS	4141	A
25	COMPASS	CHAR	10,70,30,50 H	COMPASS	4142	A
26	COMPASS	CHAR	11,71,31,51 I	COMPASS	4143	A
27	COMPASS	CHAR	12,41,41,52 J	COMPASS	4144	A
28	COMPASS	CHAR	13,42,42,53 K	COMPASS	4145	A
29	COMPASS	CHAR	14,43,43,54 L	COMPASS	4146	A
30	COMPASS	CHAR	15,44,44,55 M	COMPASS	4147	A
31	COMPASS	CHAR	16,45,45,56 N	COMPASS	4148	A
32	COMPASS	CHAR	17,46,46,57 O	COMPASS	4149	A
33	COMPASS	CHAR	20,47,47,60 P	COMPASS	4150	A
34	COMPASS	CHAR	21,50,50,61 Q	COMPASS	4151	A
35	COMPASS	CHAR	22,51,51,62 R	COMPASS	4152	A
36	COMPASS	CHAR	23,22,62,63 S	COMPASS	4153	A
37	COMPASS	CHAR	24,23,63,64 T	COMPASS	4154	A
38	COMPASS	CHAR	25,24,64,65 U	COMPASS	4155	A
39	COMPASS	CHAR	26,25,65,66 V	COMPASS	4156	A
40	COMPASS	CHAR	27,26,66,67 W	COMPASS	4157	A
41	COMPASS	CHAR	30,27,67,70 X	COMPASS	4158	A
42	COMPASS	CHAR	31,30,70,71 Y	COMPASS	4159	A
43	COMPASS	CHAR	32,31,71,72 Z	COMPASS	4160	A
44	COMPASS	CHAR	33,12,00,20 0	COMPASS	4161	A
45	COMPASS	CHAR	34,01,01,21 1	COMPASS	4162	A
46	COMPASS	CHAR	35,02,02,22 2	COMPASS	4163	A
47	COMPASS	CHAR	36,03,03,23 3	COMPASS	4164	A
48	COMPASS	CHAR	37,04,04,24 4	COMPASS	4165	A
49	COMPASS	CHAR	40,05,05,25 5	COMPASS	4166	A
50	COMPASS	CHAR	41,06,06,26 6	COMPASS	4167	A
51	COMPASS	CHAR	42,07,07,27 7	COMPASS	4168	A

0 1 2 3 4 5 6 7 8  
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	CHAR	43,10,10,30	8	COMPASS	4169	A
COMPASS	CHAR	44,11,11,31	9	COMPASS	4170	A
COMPASS	CHAR	45,60,20,13	+	COMPASS	4171	A
COMPASS	CHAR	46,40,40,15	-	COMPASS	4172	A
COMPASS	CHAR	47,54,54,12	*	COMPASS	4173	A
COMPASS	CHAR	50,21,61,17	/	COMPASS	4174	A
COMPASS	CHAR	51,34,74,10	(	COMPASS	4175	A
COMPASS	CHAR	52,74,34,11	)	COMPASS	4176	A
COMPASS	CHAR	53,53,53,04	\$	COMPASS	4177	A
COMPASS	CHAR	54,13,13,35	=	COMPASS	4178	A
COMPASS	CHAR	55,20,60,00		COMPASS	4179	I
-CMP64G						
COMPASS	CHAR*	55,20,60,00	BLANK	CMP64G	14	A
COMPASS	CHAR	56,33,73,14	,	COMPASS	4180	A
COMPASS	CHAR	57,73,33,16	.	COMPASS	4181	A
COMPASS	CHAR	60,36,76,03	# NUMBER	COMPASS	4182	A
COMPASS	CHAR	61,17,17,07	[ APOSTROPHE	COMPASS	4183	I
-CMP069						
COMPASS	CHAR	62,32,72,01	] EXCLAMATION	COMPASS	4184	I
-CMP069						
COMPASS	CHAR	61,17,17,73	[ LEFT BRACKET	P069 28 CMP069	5	A
COMPASS	CHAR	62,32,72,75	] RIGHT BRACKET	P069 29 CMP069	6	A
COMPASS	IFEQ	IP.CSET,IP.C63,2		CPS2628	7	A
COMPASS	CHAR*	63,00,12,32	: COLON	CPS2628	8	A
COMPASS	SKIP	1		CPS2628	9	A
COMPASS	CHAR	63,16,16,05	: PERCENT	COMPASS	4185	A
COMPASS	CHAR	64,14,14,02	" QUOTE	COMPASS	4186	A
COMPASS	CHAR	65,35,75,77	UNDERLINE	COMPASS	4187	A
COMPASS	CHAR	66,52,52,75	! RIGHT BRACE	COMPASS	4188	I
-CMP069						
COMPASS	CHAR	66,52,52,01	! EXCLAMATION	P069 31 CMP069	7	A
COMPASS	CHAR	67,37,77,06	& AMPERSAND	COMPASS	4189	A
COMPASS	CHAR	70,55,55,40	' AMOUNT	COMPASS	4190	I
-CMP069						
COMPASS	CHAR	70,55,55,07	' APOSTROPHE	P069 33 CMP069	8	A
COMPASS	CHAR	71,56,56,37	? QUESTION	COMPASS	4191	A
COMPASS	CHAR	72,72,32,73	< LEFT BRACE	COMPASS	4192	I
-CMP069						
COMPASS	CHAR	73,57,57,36	>	COMPASS	4193	I
-CMP069						
COMPASS	CHAR	74,15,15,34	@ <	COMPASS	4194	I
-CMP069						
COMPASS	CHAR	72,72,32,34	< LESS THAN	P069 35 CMP069	9	A
COMPASS	CHAR	73,57,57,36	> GREATER THAN	P069 36 CMP069	10	A
COMPASS	CHAR	74,15,15,40	@ AMOUNT	P069 37 CMP069	11	A
COMPASS	CHAR	75,75,35,74	\ REVERSE /	COMPASS	4195	A
COMPASS	CHAR	76,76,36,76	^ HAT	COMPASS	4196	A
COMPASS	CHAR	77,77,37,33	;	COMPASS	4197	I
-CMP64G						
COMPASS	CHAR*	77,77,37,33	; SEMICOLON OR FORMAL PARAMETER MARK	CMP64G	15	A
COMPASS				COMPASS	4198	A
COMPASS	LOC	*0		COMPASS	4199	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	BASE	*	COMPASS	4200	A			
COMPASS	SPACE	4	COMPASS	4201	A			
COMPASS	QUAL		COMPASS	4202	A			
COMPASS	SCD	EQU /DATA/SCD	COMPASS	4203	A			
COMPASS	STCA	EQU /DATA/STCA	COMPASS	4204	A			
COMPASS	CONADD	TITLE LISTING SUBROUTINES.	COMPASS	4205	A			
COMPASS	**	CONADD - CONVERT CROSS REFERENCE ADDRESS.	COMPASS	4206	A			
COMPASS	*	ENTRY (X1) = (18/X,17/ADDR,25/Y)	COMPASS	4207	A			
COMPASS	*	EXIT (X1) = (18/3R ,36/ADDRESS,6/SEPERATOR)	COMPASS	4208	A			
COMPASS			COMPASS	4209	A			
COMPASS			COMPASS	4210	A			
COMPASS		USE LIST	CMP30	2051	A			
COMPASS		SEG LISTING SUBROUTINES.	COMPASS	4211	A			
COMPASS		QUAL PASS2	COMPASS	4212	A			
COMPASS	CONADD	PS 0 RETURN EXIT	COMPASS	4213	A			
COMPASS		AX1 25	COMPASS	4214	A			
COMPASS		MX0 60-17	COMPASS	4215	A			
COMPASS		BX1 -X0*X1	COMPASS	4216	A			
COMPASS		RJ CONOCT CONVERT ADDRESS	COMPASS	4217	A			
COMPASS		BX1 X6	COMPASS	4218	A			
COMPASS		SA5 P2TEMP	COMPASS	4219	A			
COMPASS		LX6 6	CMP042	74	A			
COMPASS		ZR X5,CONADD IF END OF STRING	COMPASS	4220	A			
COMPASS		SX5 B1	COMPASS	4221	A			
COMPASS		IX1 X6+X5 ADD SEPERATOR	COMPASS	4222	A			
COMPASS		EQ CONADD RETURN	COMPASS	4223	A			
COMPASS	CONOCT	SPACE 4	COMPASS	4224	I			
COMPASS	-CMP042							
COMPASS	**	CONOCT - CONVERT TO OCTAL.	COMPASS	4225	I			
COMPASS	-CMP042							
COMPASS	*	ENTRY (X1) = OCTAL NUMBER ( 18 BITS AT MOST).	COMPASS	4226	I			
COMPASS	-CMP042							
COMPASS	*	EXIT (X6) = DPC FORM WITH 3 LEADING AND 1 TRAILING BLANK.	COMPASS	4227	I			
COMPASS	-CMP042							
COMPASS			COMPASS	4228	I			
COMPASS	-CMP042							
COMPASS			COMPASS	4229	I			
COMPASS	-CMP042							
COMPASS	CONOCT1	BX3 -X0*X1	COMPASS	4230	I			
COMPASS	-CMP042							
COMPASS		AX1 3	COMPASS	4231	I			
COMPASS	-CMP042							
COMPASS		SX3 X3+1R0-1R	COMPASS	4232	I			
COMPASS	-CMP042							
COMPASS		LX3 X3,B7	COMPASS	4233	I			
COMPASS	-CMP042							
COMPASS		SB7 B7+6	COMPASS	4234	I			
COMPASS	-CMP042							
COMPASS		IX6 X6+X3	COMPASS	4235	I			
COMPASS	-CMP042							
COMPASS		NZ X1,CONOCT1 LOOP	COMPASS	4236	I			
COMPASS	-CMP042							
0	1	2	3	4	5	6	7	8
1234567890123456789012345678901234567890123456789012345678901234567890								

## COMPASS

COMPASS	4237	I
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS		BX6	-X0*X6		COMPASS	4278	A	
1	COMPASS		LX6	12		COMPASS	4279	A	1
2	COMPASS		IX6	X6+X1		COMPASS	4280	A	2
3	COMPASS		MX0	54		COMPASS	4281	A	3
4	COMPASS		BX6	X0*X6		COMPASS	4282	A	4
5	COMPASS		BX1	-X0*X5		COMPASS	4283	A	5
6	COMPASS		IX1	X6+X1		COMPASS	4284	A	6
7	COMPASS		EQ	CONREF	RETURN	COMPASS	4285	A	7
8	COMPASS					COMPASS	4286	A	8
9	COMPASS	CONREFA	DATA	0		COMPASS	4287	A	9
10	COMPASS	CPL	SPACE	4		COMPASS	4288	A	10
11	COMPASS	**	CPL	- CREATE PRINT LINE.		COMPASS	4289	A	11
12	COMPASS					COMPASS	4290	A	12
13	COMPASS					COMPASS	4291	A	13
14	COMPASS	CPL	PS		RETURN EXIT	COMPASS	4292	A	14
15	COMPASS		SA2	PLFLG		COMPASS	4293	A	15
16	COMPASS		NZ	X2,CPL	IF PRINT LINE READY	COMPASS	4294	A	16
17	COMPASS		SX6	B1		COMPASS	4295	A	17
18	COMPASS		SA6	A2		COMPASS	4296	A	18
19	COMPASS		SA3	CCT	SET LISTING CARD COUNT	COMPASS	4297	A	19
20	COMPASS		SA1	LINE-1	CREATE PRINT LINE	COMPASS	4298	A	20
21	COMPASS		BX7	X3		COMPASS	4299	A	21
22	COMPASS		LX6	X1		COMPASS	4300	A	22
23	COMPASS		SA7	LCCT		COMPASS	4301	A	23
24	COMPASS		SB2	6		COMPASS	4302	A	24
25	COMPASS		SA5	=206000000000000000056B		COMPASS	4303	A	25
26	COMPASS		SA4	=20660000000000000000B		COMPASS	4304	A	26
27	COMPASS		SA2	SEQ-1		COMPASS	4305	A	27
28	COMPASS		SA6	A1		COMPASS	4306	A	28
29	COMPASS		SB5	X3		COMPASS	4307	A	29
30	COMPASS		UX6	B7,X4		COMPASS	4308	A	30
31	COMPASS		SB6	B2		COMPASS	4309	A	31
32	COMPASS		SA1	CARD		COMPASS	4310	A	32
33	COMPASS	CPL1	LX3	X1,B7	ASSEMBLE CHARACTERS	COMPASS	4311	A	33
34	COMPASS		SB7	B7-B2		COMPASS	4312	A	34
35	COMPASS		SA1	A1+B1		COMPASS	4313	A	35
36	COMPASS		BX6	X6+X3		COMPASS	4314	A	36
37	COMPASS		PL	B7,CPL1	LOOP FOR 10 CHARACTERS	COMPASS	4315	A	37
38	COMPASS		SA6	A6+B1		COMPASS	4316	A	38
39	COMPASS		SB6	B6-B1		COMPASS	4317	A	39
40	COMPASS		UX6	B7,X4		COMPASS	4318	A	40
41	COMPASS		PL	B6,CPL1	LOOP FOR 70 CHARACTERS	COMPASS	4319	A	41
42	COMPASS		LX3	X1,B2		COMPASS	4320	A	42
43	COMPASS		SA1	A1+B1		COMPASS	4321	A	43
44	COMPASS		BX6	X3+X1		COMPASS	4322	A	44
45	COMPASS		SA2	A2+B1		COMPASS	4323	A	45
46	COMPASS		LX6	48		COMPASS	4324	A	46
47	COMPASS		SA1	A1+B1		COMPASS	4325	A	47
48	COMPASS		IX7	X6+X2		COMPASS	4326	A	48
49	COMPASS		SA2	A2+B1		COMPASS	4327	A	49
50	COMPASS		BX6	X2		COMPASS	4328	A	50
51	COMPASS		SB5	B5-B1		COMPASS	4329	A	51

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA7	A6+B1	COMPASS	4330	A
COMPASS	SA6	A7+B1	COMPASS	4331	A
COMPASS	SB6	B2	COMPASS	4332	A
COMPASS	UX6	B7,X5	COMPASS	4333	A
COMPASS	LX6	54	COMPASS	4334	A
COMPASS	NZ	B5,CPL1	COMPASS	4335	A
COMPASS	SX6	A6+B1	COMPASS	4336	A
COMPASS	SA6	LLINE	COMPASS	4337	A
COMPASS	SA5	AMODE	COMPASS	4338	I
-CMP24					
COMPASS	ZR	X5,CPL	COMPASS	4339	I
-CMP24					
COMPASS	SA1	SEQ+1	COMPASS	4340	I
-CMP24					
COMPASS	SA2	=404040404040404040B	COMPASS	4341	I
-CMP24					
COMPASS	SA5	SEQ	CMP24	39	A
COMPASS	SA1	CCT	CMP24	40	A
COMPASS	NZ	X5,CPL	CMP24	41	A
COMPASS	SA5	A5+B1	CMP24	42	A
COMPASS	SB3	LINE+7	CMP24	43	A
COMPASS	SB4	X1	CMP24	44	A
COMPASS	CPL2	SA2	CMP24	45	A
COMPASS	MX0	42	COMPASS	4342	A
COMPASS	BX5	X0*X1	COMPASS	4343	I
-CMP24					
COMPASS	BX1	-X0*X1	COMPASS	4344	I
-CMP24					
COMPASS	BX1	-X0*X5	CMP24	46	A
COMPASS	BX5	X0*X5	CMP24	47	A
COMPASS	MX0	48	COMPASS	4345	A
COMPASS	IX7	X0*X5	COMPASS	4346	A
COMPASS	BX7	-X7*X5	COMPASS	4347	I
-CMP041					
COMPASS	BX7	-X5*X7	CMP041	1	A
COMPASS	BX7	X2*X7	COMPASS	4348	A
COMPASS	LX6	X7	COMPASS	4349	A
COMPASS	SA2	=8L	CMP24	48	A
COMPASS	LX7	60-5	COMPASS	4350	A
COMPASS	SA2	=8L	COMPASS	4351	I
-CMP24					
COMPASS	SA3	B3	CMP24	49	A
COMPASS	IX7	X6-X7	COMPASS	4352	A
COMPASS	BX7	X6+X7	COMPASS	4353	A
COMPASS	BX6	-X7*X2	COMPASS	4354	I
-CMP041					
COMPASS	BX6	X7*X2	CMP041	2	A
COMPASS	BX6	X6+X5	CMP041	3	A
COMPASS	LX6	-12	CMP041	4	A
COMPASS	BX6	X6+X5	COMPASS	4355	I
-CMP17					
COMPASS	LX6	60-12	COMPASS	4356	I
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP17

1	COMPASS	-CMP17	SA6	A1		COMPASS	4357	I	1
2	COMPASS	-CMP17							2
3	COMPASS	-CMP17	BX5	X6+X5		CMP17	8	I	3
4	COMPASS	-CMP24							4
5	COMPASS	-CMP24	LX5	-12		CMP17	9	I	5
6	COMPASS	-CMP24							6
7	COMPASS	-CMP24	RJ	CONDEC		COMPASS	4358	I	7
8	COMPASS	-CMP24							8
9	COMPASS	-CMP24	SA1	SEQ+1		COMPASS	4359	I	9
10	COMPASS	-CMP24	-CMP17						10
11	COMPASS	-CMP24	LX6	24		COMPASS	4360	I	11
12	COMPASS	-CMP24							12
13	COMPASS	-CMP24	SA2	CCT		COMPASS	4361	I	13
14	COMPASS	-CMP24							14
15	COMPASS	-CMP24	SA3	LINE+7	STORE SEQUENCE AND NAME	COMPASS	4362	I	15
16	COMPASS	-CMP24							16
17	COMPASS	CPL3	BX7	X3+X1		COMPASS	4363	I	17
18	COMPASS	-CMP24	-CMP17						18
19	COMPASS	CPL3	BX7	X3+X5		CMP17	10	I	19
20	COMPASS	-CMP24							20
21	COMPASS	-CMP24	SA7	A3		COMPASS	4364	I	21
22	COMPASS	-CMP24							22
23	COMPASS	-CMP24	SA6	A3+B1		COMPASS	4365	I	23
24	COMPASS	-CMP24							24
25	COMPASS	-CMP24	SA3	A3+9		COMPASS	4366	I	25
26	COMPASS	-CMP24							26
27	COMPASS	-CMP24	SX2	X2-1		COMPASS	4367	I	27
28	COMPASS	-CMP24							28
29	COMPASS	-CMP24	ZR	X2,CPL	IF END OF SEQUENCE FIELDS	COMPASS	4368	I	29
30	COMPASS	-CMP24							30
31	COMPASS	-CMP24	EQ	CPL3	LOOP	COMPASS	4369	I	31
32	COMPASS	-CMP24							32
33	COMPASS	-CMP24	BX6	X3+X6		CMP24	50	A	33
34	COMPASS	-CMP24	SA6	A3	STORE NAME IN COLUMNS 73-79, BLANK IN 80	CMP24	51	A	34
35	COMPASS	-CMP24	RJ	CONDEC	CONVERT NUMBER	CMP24	52	A	35
36	COMPASS	-CMP24	LX6	24		CMP24	53	A	36
37	COMPASS	-CMP24	SA5	A5+2		CMP24	54	A	37
38	COMPASS	-CMP24	SA6	B3+B1	STORE NUMBER IN COLUMNS 81-86,	CMP24	55	A	38
39	COMPASS	-CMP24	SB4	B4-B1	BLANKS IN COLUMNS 87-90	CMP24	56	A	39
40	COMPASS	-CMP24	SB3	B3+9		CMP24	57	A	40
41	COMPASS	-CMP24	NZ	B4,CPL2	LOOP IF CONTINUATION CARDS	CMP24	58	A	41
42	COMPASS	-CMP24	EQ	CPL		CMP24	59	A	42
43	COMPASS	CUL	SPACE	4		COMPASS	4370	A	43
44	COMPASS	**	CUL	- CLEAN UP LISTING AREA.		COMPASS	4371	A	44
45	COMPASS					COMPASS	4372	A	45
46	COMPASS					COMPASS	4373	A	46
47	COMPASS	CUL	PS		RETURN EXIT	COMPASS	4374	A	47
48	COMPASS		SA1	DLFLG		COMPASS	4375	A	48
49	COMPASS		NZ	X1,CUL1	IF DEFERRED LIST IN EFFECT	COMPASS	4376	A	49
50	COMPASS		SX6	B1		COMPASS	4377	A	50
51	COMPASS		SA6	LCCT		COMPASS	4378	A	51

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS		SA6	DETFLG		COMPASS	4379	A	
1	COMPASS		SA6	PLFLG		F4820	127	A	
2	COMPASS		SA1	=1H	CLEAR LINE	COMPASS	4380	A	
3	COMPASS		SX2	LINE		COMPASS	4381	A	
4	COMPASS		SA3	LLINE		COMPASS	4382	A	
5	COMPASS		RJ	PRESET		COMPASS	4383	A	
6	COMPASS	CUL1	SX6	1R	CLEAR OCTAL AREA TO BLANKS	COMPASS	4384	A	
7	COMPASS		SA6	OCTAL		COMPASS	4385	A	
8	COMPASS		BX7	X6		COMPASS	4386	A	
9	COMPASS		SA7	A6+B1		COMPASS	4387	A	
10	COMPASS		SB7	40/2-1		COMPASS	4388	A	
11	COMPASS	CUL2	SB7	B7-B1		COMPASS	4389	A	
12	COMPASS		SA6	A7+B1		COMPASS	4390	A	
13	COMPASS		SA7	A6+B1		COMPASS	4391	A	
14	COMPASS		NZ	B7,CUL2	LOOP	COMPASS	4392	A	
15	COMPASS		EQ	CUL	RETURN	COMPASS	4393	A	
16	COMPASS	LBL	SPACE	4		COMPASS	4394	A	
17	COMPASS	**	LBL	- LIST BLANK LINE.		COMPASS	4395	A	
18	COMPASS	*	ENTRY	(X0) = NUMBER OF LINES TO LIST.		COMPASS	4396	A	
19	COMPASS					COMPASS	4397	A	
20	COMPASS					COMPASS	4398	A	
21	COMPASS	LBL	PS		RETURN EXIT	COMPASS	4399	A	
22	COMPASS		SA2	0		COMPASS	4400		I
23		-CMP30							
24	COMPASS		SA2	CP.LISTF		CMP30	2052	A	
25	COMPASS		SA1	LPCNT		COMPASS	4401	A	
26	COMPASS		ZR	X2,LBL	IF NO LONG OUTPUT	COMPASS	4402	A	
27	COMPASS		SX0	X0		COMPASS	4403	A	
28	COMPASS		IX6	X1+X0		COMPASS	4404	A	
29	COMPASS		NG	X0,LBL	IF < 0 LINES	COMPASS	4405	A	
30	COMPASS		SX2	A2		COMPASS	4406		I
31		-CMP30							
32	COMPASS		SB7	X6-PAGESIZ		COMPASS	4407		I
33		-F4810A							
34	COMPASS		SA2	CP.PS	PAGE SIZE	F4810A	F4810A	153	A
35	COMPASS		IX2	X6-X2	CHECK IF EJECT	F4810A	F4810A	154	A
36	COMPASS		SA6	A1		COMPASS	4408	A	
37	COMPASS		PL	B7,LBL	IF EJECT	COMPASS	4409		I
38		-F4810A							
39	COMPASS		PL	X2,LBL	IF EJECT	F4810A	F4810A	155	A
40	COMPASS					CMP30	2053	A	
41	COMPASS	RM	IFEQ	CP#RM,0		CMP30	2054	A	
42	COMPASS					CMP30	2055	A	
43	COMPASS	LBL1	ZR	X0,LBL	IF END OF BLANK LINES	COMPASS	4410	A	
44	COMPASS		WRITEW	X2,(=2L ),1		COMPASS	4411		I
45		-CMP30							
46	COMPASS		WRITEW	0,(=2L ),1		CMP30	2056	A	
47	COMPASS		SX0	X0-1		COMPASS	4412	A	
48	COMPASS					CMP30	2057	A	
49	COMPASS	RM	ELSE			CMP30	2058	A	
50	COMPASS					CMP30	2059	A	
51	COMPASS		SX6	X0		CMP30	2060	A	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SX0	E	COMPASS	4449	A			
COMPASS	LEL1	RJ	LTX	LIST TEXT	COMPASS	4450	I	
COMPASS	-CMP30	EQ	LEL	RETURN	COMPASS	4451	I	
COMPASS	-CMP30	EQ	LEL2		CMP30	2075	A	
COMPASS	LHD	SPACE	4		COMPASS	4452	A	
COMPASS	**	LHD -	LIST HEADER LINE.		COMPASS	4453	A	
COMPASS	*	ENTRY	(A1) = LINE COUNT ADDRESS.		COMPASS	4454	A	
COMPASS	*		(X1) = LINE COUNT.		COMPASS	4455	A	
COMPASS	*		(A3) = FET ADDRESS.		COMPASS	4456	A	
COMPASS	*		(X3) = 0 IF NO LIST.		COMPASS	4457	I	
COMPASS	-CMP30							
COMPASS	*		(X7) = PAGE NUMBER ADDRESS.		COMPASS	4458	A	
COMPASS					COMPASS	4459	A	
COMPASS					COMPASS	4460	A	
COMPASS	LHD	PS		RETURN EXIT	COMPASS	4461	A	
COMPASS		MX2	6		CPSA142	43	A	
COMPASS		SA5	TITBUF	FIRST WORD OF HEADER	CPSA142	44	A	
COMPASS		BX6	-X2*X5		CPSA142	45	A	
COMPASS		SX2	A3-E		CPSA142	46	A	
COMPASS		SA4	LONGEJ	LONG EJECT CARRIAGE CONTROL CHARACTER	CPSA142	47	A	
COMPASS		NZ	X2,LHD0	IF LONG LIST HEADER BEING PRINTED	CPSA142	48	A	
COMPASS		SA2	CP.EPAG		CPSA142	49	A	
COMPASS		SX2	X2	LOWER 18 BITS	CPSA142	50	I	
COMPASS	-CPS236							
COMPASS		ZR	X2,LHD0	IF ERROR FILE NOT WRITTEN ON YET	CPSA142	51	I	
COMPASS	-CPS236							
COMPASS		LX2	B1		CPS236	25	A	
COMPASS		PL	X2,LHD0	TEST *WRITTEN TO* FLAG (BIT 58)	CPS236	26	A	
COMPASS		SA4	SHORTEJ	SHORT EJECT CARRIAGE CONTROL CHARACTER	CPSA142	52	A	
COMPASS	LHD0	BX6	X4+X6	OR IN CARRIAGE CONTROL CHARACTER	CPSA142	53	A	
COMPASS		SA6	A5		CPSA142	54	A	
COMPASS		ZR	X3,LHD	IF NO LIST	COMPASS	4462	I	
COMPASS	-CMP30							
COMPASS		SA2	LCCT	INCREMENT LINE NUMBER	COMPASS	4463	A	
COMPASS		IX6	X2+X1		COMPASS	4464	A	
COMPASS		SA6	A1		COMPASS	4465	A	
COMPASS		SB7	X6-PAGESIZ	CHECK FOR END OF PAGE	COMPASS	4466	I	
COMPASS	-F4810A							
COMPASS		NG	B7,LHD	IF NOT END OF PAGE	COMPASS	4467	I	
COMPASS	-F4810A							
COMPASS		SA4	CP.PS	PAGE SIZE	F4810A	F4810A	156	A
COMPASS		IX4	X6-X4		F4810A	F4810A	157	A
COMPASS		NG	X4,LHD	IF NOT AT END OF PAGE	F4810A	F4810A	158	A
COMPASS		SX6	X2+2	RESET LINE NUMBER	COMPASS	4468	A	
COMPASS		SA6	A1		COMPASS	4469	A	
COMPASS		SX6	A3	SAVE FET ADDRESS	COMPASS	4470	A	
COMPASS		SA6	LHDA		COMPASS	4471	A	
COMPASS		SA7	A6+B1	SAVE PAGE NUMBER ADDRESS	COMPASS	4472	A	
COMPASS		SX6	X6-E		COMPASS	4473	A	
COMPASS		ZR	X6,LHD1	IF ERROR FILE	COMPASS	4474	A	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	RJ	PET	PROCESS ERROR TABLE	COMPASS	4475	A
COMPASS LHD1	SA2	LHDA+1	INCREMENT PAGE NUMBER	COMPASS	4476	A
COMPASS	SA1	X2		COMPASS	4477	A
COMPASS	SX6	X1+B1		COMPASS	4478	A
COMPASS	SA6	X2		COMPASS	4479	A
COMPASS	SX1	X1+B1	CONVERT PAGE NUMBER	COMPASS	4480	A
COMPASS	RJ	CONDEC		COMPASS	4481	A
COMPASS	SX1	X6-3H 1		COMPASS	4482	I
-CMP27	LX6	24		COMPASS	4483	A
COMPASS	SA6	PAGENO		COMPASS	4484	A
COMPASS	ZR	X1,LHD2	IF PAGE 1	COMPASS	4485	I
-CMP27	CLOCK	TIME		COMPASS	4486	I
COMPASS	LHD2	SA2	LHDA	COMPASS	4487	I
-CMP27	SA2	LHDA		CMP27	6	A
COMPASS	IFEQ	CP#RM,0,2		CMP30	2076	A
-F4810A	IFEQ	CP#RM,0		CMP30	2077	I
COMPASS RM	IFNE	CP#RM,7		F4810A F4810A	159	I
-CPSA266				CPSA266	8	A
COMPASS RM				F4810A F4810A	160	A
COMPASS	SX6	X2-E	DECIDE WHICH FILE WE ARE WRITING TO.	CPS236	27	A
COMPASS	SA5	CP.EPAG		CPS236	28	A
COMPASS	ZR	X6,LHD1X		CPS236	29	A
COMPASS	SA5	CP.PAGE		CPS236	30	A
COMPASS LHD1X	LX6	X5,B1	TEST *WRITTEN TO* FLAG (BIT 58).	CPS236	31	A
COMPASS	MI	X6,LDH1A	IF WRITTEN TO, DO NOT PRINT PD CONTROL.	CPS236	32	A
COMPASS	MX0	1		CPS236	33	A
COMPASS	LX0	-1		CPS236	34	A
COMPASS	BX6	X0+X5		CPS236	35	A
COMPASS	SA6	A5	SET *WRITTEN TO* FLAG (BIT 58)	CPS236	36	A
COMPASS	RJ	STF	SET TERMINAL FILE	CPSA265	49	A
COMPASS	ZR	X6,LDH1A	IF TERMINAL FILE	CPSA265	50	A
COMPASS	SA1	FRSTLIN		F4810A F4810A	161	A
COMPASS	ZR	X1,LDH1A	IF NO NEED TO RESET PRINTER DENSITY	F4810A F4810A	162	A
COMPASS	WRITEH	X2,FRSTLIN,1	ELSE RESET PRINTER DENSITY	F4810A F4810A	163	A
COMPASS	MX6	60		F4810A F4810A	164	I
-CPS236	SA6	FRSTLIN	-0 INDICATES THAT PRINTER HAS BEEN RESET	F4810A F4810A	165	I
-CPS236	BSS	0		F4810A F4810A	166	A
COMPASS LDH1A	WRITEH	X2,TITBUF,PAGENO+1-TITBUF		COMPASS	4488	A
COMPASS	ELSE	2		CMP30	2078	I
-F4810A				F4810A F4810A	167	A
COMPASS	ELSE			F4810A F4810A	168	A
COMPASS RM				F4810A F4810A	169	A
COMPASS	SX6	X2-E	DECIDE WHICH FILE WE ARE WRITING TO.	CPS236	37	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS		SA5	CP.EPAG			CPS236	38	A	
1	COMPASS		ZR	X6,LHD1X			CPS236	39	A	1
2	COMPASS		SA5	CP.PAGE			CPS236	40	A	2
3	COMPASS	LHD1X	LX6	X5,B1	TEST *WRITTEN TO* FLAG (BIT 58).		CPS236	41	A	3
4	COMPASS		MI	X6,LDH1A	IF WRITTEN TO, DO NOT PRINT PD CONTROL.		CPS236	42	A	4
5	COMPASS		MX0	1			CPS236	43	A	5
6	COMPASS		LX0	-1			CPS236	44	A	6
7	COMPASS		BX6	X0+X5			CPS236	45	A	7
8	COMPASS		SA6	A5	SET *WRITTEN TO* FLAG (BIT 58)		CPS236	46	A	8
9	COMPASS		RJ	STF			CPSA265	51	I	9
10		-CPSA266								10
11	COMPASS		ZR	X6,LDH1A	IF TERMINAL FILE		CPSA265	52	I	11
12		-CPSA266								12
13	COMPASS		SA1	FRSTLIN	CHECK IF NEED TO RESET PRINTER DENSITY	F4810A	F4810A	170	A	13
14	COMPASS		ZR	X1,LDH1A	IF NOT	F4810A	F4810A	171	A	14
15	COMPASS		PUT	X2,FRSTLIN,10	RESET PRINTER DENSITY	F4810A	F4810A	172	A	15
16	COMPASS		MX6	60		F4810A	F4810A	173	I	16
17		-CPS236								17
18	COMPASS		SA6	FRSTLIN	-0 INDICATES THAT PRINTER HAS BEEN RESET	F4810A	F4810A	174	I	18
19		-CPS236								19
20	COMPASS	LDH1A	BSS	0		F4810A	F4810A	175	A	20
21	COMPASS	L.	SET	PAGENO+1-TITBUF			CMP30	2079	A	21
22	COMPASS		PUT	X2,TITBUF,L.*10			CMP30	2080	A	22
23	COMPASS					F4810A	F4810A	176	A	23
24	COMPASS	RM	ENDIF			F4810A	F4810A	177	A	24
25	COMPASS					F4810A	F4810A	178	A	25
26	COMPASS		RJ	LHDS	DO SUBTITLE LINE		CPSA208	5	A	26
27	COMPASS		EQ	LHD	RETURN		CPSA208	6	A	27
28	COMPASS						CPSA208	7	A	28
29	COMPASS						CMP30	2081	A	29
30	COMPASS	LHDS	SPACE	4			CPSA208	8	A	30
31	COMPASS	**	LHDS	- LIST HEADER SUBTITLE			CPSA208	9	A	31
32	COMPASS	*					CPSA208	10	A	32
33	COMPASS	LHDS	PS	RETURN EXIT			CPSA208	11	A	33
34	COMPASS		SA1	SUBNAME			COMPASS	4489	A	34
35	COMPASS		MX0	6			CMP039	1	A	35
36	COMPASS		BX2	X0*X1			CMP039	2	A	36
37	COMPASS		LX6	X1			CMP039	3	A	37
38	COMPASS		NZ	X2,LHD2			CMP039	4	A	38
39	COMPASS		RJ	LJUST			COMPASS	4490	A	39
40	COMPASS		SA6	SBNAME			COMPASS	4491	I	40
41		-CMP039								41
42	COMPASS	LHD2	SA6	SBNAME			CMP039	5	A	42
43	COMPASS		SA2	LHDA			COMPASS	4492	A	43
44	COMPASS						CMP30	2082	A	44
45	COMPASS	RM	IFEQ	CP#RM,0			CMP30	2083	A	45
46	COMPASS		WRITEH	X2,SUBTIT,SUBL			COMPASS	4493	A	46
47	COMPASS		WRITEW	X2,(=2L ),1 LIST BLANK LINE UNDER TITLES			COMPASS	4494	A	47
48	COMPASS	RM	ELSE				CMP30	2084	A	48
49	COMPASS		PUT	X2,SUBTIT,SUBL*10			CMP30	2085	A	49
50	COMPASS		SA2	LHDA			CMP30	2086	A	50
51	COMPASS		PUT	X2,BLANKS,10			CMP30	2087	A	51

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	RM	ENDIF			CMP30	2088	A
COMPASS					CMP30	2089	A
COMPASS		EQ	LHD		COMPASS	4495	I
	-CPSA208						
COMPASS		EQ	LHDS	RETURN	CPSA208	12	A
COMPASS					COMPASS	4496	A
COMPASS	LHDA	DATA	0	FET ADDRESS	COMPASS	4497	A
COMPASS		DATA	0	PAGE NUMBER ADDRESS	COMPASS	4498	A
COMPASS	LISTER	SPACE	4		COMPASS	4499	A
COMPASS	**	LISTER	- LIST LINE.		COMPASS	4500	A
COMPASS	*	LISTER	WILL LIST:		COMPASS	4501	A
COMPASS	*		1. ERROR LINES.		COMPASS	4502	A
COMPASS	*		2. IF FLIST " 0.		COMPASS	4503	A
COMPASS	*		3. IF NONE OF THE FOLLOWING CARD TYPES = 1 AND LIST		COMPASS	4504	A
COMPASS	*		CONTROL = 0.		COMPASS	4505	A
COMPASS	*		CARD TYPE	LIST CONTROL	COMPASS	4506	A
COMPASS	*		1	L - MASTER LIST.	COMPASS	4507	A
COMPASS	*		1	CONTROL CARD.	COMPASS	4508	A
COMPASS	*		SYSFLG	S - SYSTEM MACROS.	COMPASS	4509	A
COMPASS	*		LIBFLG	X - XTEXT.	COMPASS	4510	A
COMPASS	*		MACFLG	M - MACRO GENERATED LINES.	COMPASS	4511	A
COMPASS	*		ECHFLG	E - DUP GENERATED LINES.	COMPASS	4512	A
COMPASS	*		DETFLG	D - DETAIL (GENERATED).	COMPASS	4513	A
COMPASS	*		RMTFLG	D - REMOTE.	COMPASS	4514	A
COMPASS	*		CTYPE	C - LIST CONTROL.	COMPASS	4515	A
COMPASS	*		NOAS	F - IF SKIPPED LINES.	COMPASS	4516	A
COMPASS	*	ENTRY	(LCCT) = NUMBER OF LINES TO LIST.		COMPASS	4517	A
COMPASS	*	EXIT	(LCCT) = 1.		COMPASS	4518	A
COMPASS	*		(DETFLG) = 1.		COMPASS	4519	A
COMPASS	*		(NLFLG) = 0.		COMPASS	4520	A
COMPASS					COMPASS	4521	A
COMPASS					COMPASS	4522	A
COMPASS	LISTER	PS		RETURN EXIT	COMPASS	4523	A
COMPASS		SA3	EFLG		COMPASS	4524	A
COMPASS		ZR	X3,LSL7	IF NO ERRORS	COMPASS	4525	A
COMPASS		SA2	DLFLG		COMPASS	4526	A
COMPASS		ZR	X2,LSL1	IF NOT DELAYED LIST WITH ERROR	COMPASS	4527	A
COMPASS		RJ	LEL		COMPASS	4528	A
COMPASS		SX2	LINE	CLEAR DELAYED LIST LINE	COMPASS	4529	A
COMPASS		SX6	1R		COMPASS	4530	A
COMPASS		SA6	X2-1		COMPASS	4531	A
COMPASS		SA6	A6-B1		COMPASS	4532	A
COMPASS		SA6	A6-B1		COMPASS	4533	A
COMPASS		SA6	A6-B1		COMPASS	4534	A
COMPASS		SA1	=1H		COMPASS	4535	A
COMPASS		SA3	LLINE		COMPASS	4536	A
COMPASS		RJ	PRESET		COMPASS	4537	A
COMPASS		EQ	LISTER	RETURN	COMPASS	4538	A
COMPASS					COMPASS	4539	A
COMPASS	*		RECHECK FOR ERRORS.		COMPASS	4540	A
COMPASS					COMPASS	4541	A
COMPASS	LSL1	SX6	1R	CHECK FOR ERRORS	COMPASS	4542	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA6	OCTAL	COMPASS	4543	A
COMPASS	SA1	ERFLAGS	COMPASS	4544	A
COMPASS	SA2	ERRLETS	COMPASS	4545	A
COMPASS	BX7	X6	COMPASS	4546	A
COMPASS	SB7	LEFLG-1	COMPASS	4547	A
COMPASS	LSL2	ZR	COMPASS	4548	A
COMPASS	BX6	X2	COMPASS	4549	A
COMPASS	SA6	A6+B1	COMPASS	4550	A
COMPASS	LSL3	SB7	COMPASS	4551	A
COMPASS	SA1	A1+B1	COMPASS	4552	A
COMPASS	SA2	A2+B1	COMPASS	4553	A
COMPASS	PL	B7,LSL2	COMPASS	4554	A
COMPASS	SX6	A6-OCTAL	COMPASS	4555	A
COMPASS	SA6	EFLG	COMPASS	4556	A
COMPASS	ZR	X6,LSL7	COMPASS	4557	A
COMPASS		IF NO ERRORS	COMPASS	4558	A
COMPASS	*	LIST ERROR LINE ON BOTH OUTPUT FILES AND RECORD PAGE NUMBERS	COMPASS	4559	A
COMPASS	*	OF THE LINES IN ERROR.	COMPASS	4560	A
COMPASS			COMPASS	4561	A
COMPASS	RJ	CPL	COMPASS	4562	A
COMPASS	RJ	LEL	COMPASS	4563	A
COMPASS	SA1	ERFLAGS	COMPASS	4564	A
COMPASS	SB7	NFERS-1	COMPASS	4565	A
COMPASS	SA2	LSLB	COMPASS	4566	A
COMPASS	SB6	LEFLG-NFERS-1	COMPASS	4567	A
COMPASS	SA3	ERCNT	COMPASS	4568	A
COMPASS	SA4	WECNT	COMPASS	4569	A
COMPASS	LSL4	BX6	COMPASS	4570	A
COMPASS	IX3	X3+X1	COMPASS	4571	A
COMPASS	SA1	A1+B1	COMPASS	4572	A
COMPASS	SB7	B7-B1	COMPASS	4573	A
COMPASS	SA6	A2	COMPASS	4574	A
COMPASS	SA2	A2+B1	COMPASS	4575	A
COMPASS	PL	B7,LSL4	COMPASS	4576	A
COMPASS	LSL5	BX6	COMPASS	4577	A
COMPASS	IX4	X4+X1	COMPASS	4578	A
COMPASS	SA1	A1+B1	COMPASS	4579	A
COMPASS	SB6	B6-B1	COMPASS	4580	A
COMPASS	SA6	A2	COMPASS	4581	A
COMPASS	SA2	A2+B1	COMPASS	4582	A
COMPASS	PL	B6,LSL5	COMPASS	4583	A
COMPASS	BX6	X3	COMPASS	4584	A
COMPASS	LX7	X4	COMPASS	4585	A
COMPASS	SA6	A3	COMPASS	4586	A
COMPASS	SB7	LERFLAGS-2	COMPASS	4587	A
COMPASS	SA7	A4	COMPASS	4588	A
COMPASS	SX6	B0	COMPASS	4589	A
COMPASS	SA6	EXERR	COMPASS	4590	A
COMPASS	SA6	ERFLAGS	COMPASS	4591	A
COMPASS	LSL6	SB7	COMPASS	4592	A
COMPASS	SA6	A6+B1	COMPASS	4593	A
COMPASS	PL	B7,LSL6	COMPASS	4594	A
COMPASS		LOOP			

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	EQ	LSL10	COMPASS	4595	A
COMPASS			COMPASS	4596	A
COMPASS *		NO ERRORS. CHECK FORCE LIST AND LIST OPTIONS.	COMPASS	4597	A
COMPASS			COMPASS	4598	A
COMPASS	LSL7	SA4 FLIST	COMPASS	4599	A
COMPASS		NZ X4,LSL9 IF FORCE LIST	COMPASS	4600	A
COMPASS		SB7 30	COMPASS	4601	A
COMPASS		SA1 LSLA PROCESS LIST OPTION TABLE	COMPASS	4602	A
COMPASS	LSL8	AX2 X1,B7	COMPASS	4603	A
COMPASS		SA3 X1	COMPASS	4604	A
COMPASS		SA4 X2	COMPASS	4605	A
COMPASS		BX6 -X3*X4	COMPASS	4606	A
COMPASS		SA1 A1+B1	COMPASS	4607	A
COMPASS		ZR X6,LSL8 IF LINE WILL LIST	COMPASS	4608	A
COMPASS		SX6 A1-LSLA-LSLAL	COMPASS	4609	A
COMPASS		NZ X6,LSL10 IF NO LIST	COMPASS	4610	A
COMPASS	LSL9	RJ LOL LIST OUTPUT LINE	COMPASS	4611	I
	-CMP30				
COMPASS	LSL9	SA1 LPCNT	CMP30	2090	A
COMPASS		SX7 PGCNT CHECK FOR END OF PAGE	CMP30	2091	A
COMPASS		SA3 0	CMP30	2092	A
COMPASS		RJ LHD LIST HEADER	CMP30	2093	A
COMPASS		SX0 0	CMP30	2094	A
COMPASS		RJ LTX LIST TEXT	CMP30	2095	A
COMPASS			COMPASS	4612	A
COMPASS *		CLEAN UP LINE FOR NEXT LISTING ENTRY.	COMPASS	4613	A
COMPASS			COMPASS	4614	A
COMPASS	LSL10	RJ CUL CLEAN UP LIST	COMPASS	4615	A
COMPASS		MX6 0	COMPASS	4616	A
COMPASS		SA6 FLIST	COMPASS	4617	A
COMPASS		EQ LISTER	COMPASS	4618	A
COMPASS			COMPASS	4619	A
COMPASS	LSLA	VFD 30/NLFLG,30/=0 CONDITIONS DETECTED BY RINTER	COMPASS	4620	A
COMPASS		VFD 30/DETFLG,30/LD+1 DETAIL	COMPASS	4621	A
COMPASS		VFD 30/CTYPE,30/LC+1 LIST CONTROL	COMPASS	4622	A
COMPASS		VFD 30/=1,30/LL+1 MASTER LIST	COMPASS	4623	A
COMPASS		VFD 30/=1,30/=0 END OF TABLE	COMPASS	4624	A
COMPASS	LSLAL	EQU *-LSLA	COMPASS	4625	A
COMPASS			COMPASS	4626	A
COMPASS	LSLB	BSSZ LEFLG PAGE OCCURANCES OF ERRORS	COMPASS	4627	A
COMPASS	LISTERF	SPACE 4	COMPASS	4628	A
COMPASS **		LISTERF - FORCE LISTING.	COMPASS	4629	A
COMPASS			COMPASS	4630	A
COMPASS			COMPASS	4631	A
COMPASS	LISTERF	PS RETURN EXIT	COMPASS	4632	A
COMPASS		RJ LEL LIST ERROR LINE	COMPASS	4633	A
COMPASS		RJ CUL CLEAN UP LINE	COMPASS	4634	A
COMPASS		EQ LISTERF RETURN	COMPASS	4635	A
COMPASS	LISTERG	SPACE 4	COMPASS	4636	A
COMPASS **		LISTERG - LIST GENERATIVE LINES.	COMPASS	4637	A
COMPASS			COMPASS	4638	A
COMPASS			COMPASS	4639	A
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	LISTERG	PS	RETURN EXIT	COMPASS	4640	A
COMPASS		SA2	DLFLG	COMPASS	4641	A
COMPASS		ZR	X2,LSG1	COMPASS	4642	A
COMPASS		RJ	LDL	COMPASS	4643	A
COMPASS		EQ	LISTERG	COMPASS	4644	A
COMPASS	LSG1	SA3	LL+1	COMPASS	4645	A
COMPASS		SA4	LG+1	COMPASS	4646	A
COMPASS		BX6	X3*X4	COMPASS	4647	A
COMPASS		SA6	FLIST	COMPASS	4648	A
COMPASS		ZR	X6,LSG2	COMPASS	4649	A
COMPASS		RJ	CPL	COMPASS	4650	A
COMPASS	LSG2	RJ	LISTER	COMPASS	4651	A
COMPASS		EQ	LISTERG	COMPASS	4652	A
COMPASS	LISTL	SPACE	4	COMPASS	4653	A
COMPASS	**	LISTL	- LIST LINE IF EXTERNAL LIST OPTION SELECTED.	COMPASS	4654	A
COMPASS				COMPASS	4655	A
COMPASS				COMPASS	4656	A
COMPASS	LISTL1	SA6	FLIST	COMPASS	4657	A
COMPASS		RJ	LISTER	COMPASS	4658	A
COMPASS				COMPASS	4659	A
COMPASS	LISTL	PS	RETURN EXIT	COMPASS	4660	A
COMPASS		RJ	LDL	COMPASS	4661	A
COMPASS		RJ	CPL	COMPASS	4662	A
COMPASS		SA1	LISTFG	COMPASS	4663	I
COMPASS	-CMP30					
COMPASS		SA1	CP.LISTF	CMP30	2096	A
COMPASS		SX6	X1	COMPASS	4664	A
COMPASS		EQ	LISTL1	COMPASS	4665	A
COMPASS	LIST2L	SPACE	4	COMPASS	4666	A
COMPASS	**	LIST2L	- LIST 2 LINES IF EXTERNAL LIST SELECTED.	COMPASS	4667	A
COMPASS				COMPASS	4668	A
COMPASS				COMPASS	4669	A
COMPASS	LIST2L	PS	RETURN EXIT	COMPASS	4670	A
COMPASS		RJ	LISTL	COMPASS	4671	A
COMPASS		SA1	LISTFG	COMPASS	4672	I
COMPASS	-CMP30					
COMPASS		SA1	CP.LISTF	CMP30	2097	A
COMPASS		ZR	X1,LIST2L	COMPASS	4673	A
COMPASS		SX0	B1	COMPASS	4674	A
COMPASS		RJ	LBL	COMPASS	4675	A
COMPASS		EQ	LIST2L	COMPASS	4676	A
COMPASS	LOL	SPACE	4	COMPASS	4677	I
COMPASS	-CMP30					
COMPASS	**	LOL	- LIST ONE LINE.	COMPASS	4678	I
COMPASS	-CMP30					
COMPASS				COMPASS	4679	I
COMPASS	-CMP30					
COMPASS				COMPASS	4680	I
COMPASS	-CMP30					
COMPASS	LOL	PS	RETURN EXIT	COMPASS	4681	I
COMPASS	-CMP30					
COMPASS		SA3	0	COMPASS	4682	I

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP30

1	COMPASS		ZR	X3,LOL	IF NO LONG OUTPUT	COMPASS	4683	I
2		-CMP30						
3	COMPASS		SA1	LPCNT	CHECK IF AT TOP OF FORM	COMPASS	4684	I
4		-CMP30						
5	COMPASS		SX7	PGCNT	LIST HEADER	COMPASS	4685	I
6		-CMP30						
7	COMPASS		RJ	LHD		COMPASS	4686	I
8		-CMP30						
9	COMPASS		SX0	0	LIST TEXT	COMPASS	4687	I
10		-CMP30						
11	COMPASS		RJ	LTX		COMPASS	4688	I
12		-CMP30						
13	COMPASS		EQ	LOL	RETURN	COMPASS	4689	I
14		-CMP30						
15	COMPASS	LTX	SPACE	4		COMPASS	4690	A
16	COMPASS	**	LTX -	LIST TEXT.		COMPASS	4691	A
17	COMPASS	*	ENTRY	(X0) = 0 IF NO ERROR LIST.		COMPASS	4692	A
18	COMPASS	*		(X0) = ADDRESS OF ERROR FILE FET IF ERROR LIST.		COMPASS	4693	A
19	COMPASS	*		(LCCT) = NUMBER OF LINES TO LIST.		COMPASS	4694	A
20	COMPASS					COMPASS	4695	A
21	COMPASS					COMPASS	4696	A
22	COMPASS	LTX	PS		RETURN EXIT	COMPASS	4697	A
23	COMPASS		SA2	DLFLG		COMPASS	4698	A
24	COMPASS		ZR	X2,LTX1	IF NOT DEFERRED LIST	COMPASS	4699	A
25	COMPASS		SA1	=1H	CLEAR OCTAL AREA	COMPASS	4700	A
26	COMPASS		BX6	X1		COMPASS	4701	A
27	COMPASS		SA6	LINE-1		COMPASS	4702	A
28	COMPASS		SA6	A6-B1		COMPASS	4703	A
29	COMPASS		SA6	A6-B1		COMPASS	4704	A
30	COMPASS		SA6	A6-B1		COMPASS	4705	A
31	COMPASS		EQ	LTX3		COMPASS	4706	A
32	COMPASS	LTX1	SA1	LINE	COMPRESS OCTAL LINE INTO 4 WORDS	COMPASS	4707	A
33	COMPASS		BX6	X1		COMPASS	4708	A
34	COMPASS		SA6	A1		COMPASS	4709	A
35	COMPASS		SA3	=20120000000000000000B		COMPASS	4710	A
36	COMPASS		SB6	4		COMPASS	4711	A
37	COMPASS		UX6	B7,X3		COMPASS	4712	A
38	COMPASS	LTX2	SA1	A1-B1		COMPASS	4713	A
39	COMPASS		SB7	B7-B1		COMPASS	4714	A
40	COMPASS		BX6	X6+X1		COMPASS	4715	A
41	COMPASS		LX6	54		COMPASS	4716	A
42	COMPASS		NZ	B7,LTX2	LOOP FOR 10 CHARACTERS	COMPASS	4717	A
43	COMPASS		SA6	A6-B1		COMPASS	4718	A
44	COMPASS		SB6	B6-B1		COMPASS	4719	A
45	COMPASS		UX6	B7,X3		COMPASS	4720	A
46	COMPASS		NZ	B6,LTX2	LOOP FOR 40 CHARACTERS	COMPASS	4721	A
47	COMPASS					CMP30	2098	A
48	COMPASS	RM	IFEQ	CP#RM,0		CMP30	2099	A
49	COMPASS					CMP30	2100	A
50	COMPASS	LTX3	SA0	A6		COMPASS	4722	A
51	COMPASS		SA5	0		COMPASS	4723	I

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP30

1	COMPASS	-CMP30	ZR	X5,LTX4	IF NO FULL LIST	COMPASS	4724	I	1
2	COMPASS	-CMP30				COMPASS	4725	I	2
3	COMPASS	-CMP30	WRITEH	A5,A0,13		COMPASS	4726	I	3
4	COMPASS	-CMP30	LTX4	ZR	X0,LTX5	COMPASS	4727	I	4
5	COMPASS	-CMP30				COMPASS	4728	I	5
6	COMPASS	LTX4	SA5	CP.LISTF		CMP30	2101	A	6
7	COMPASS	LTX4	ZR	X5,LTX5	IF NO FULL LIST	CMP30	2102	A	7
8	COMPASS	LTX4	WRITEH	0,A0,13		CMP30	2103	A	8
9	COMPASS	LTX5	ZR	X0,LTX6	IF NO ERROR LIST	CMP30	2104	A	9
10	COMPASS	LTX5	WRITEH	X0,A0,13		COMPASS	4727	A	10
11	COMPASS	LTX5	SA1	LCCT	UP LINE COUNT	COMPASS	4728	I	11
12	COMPASS	-CMP30				COMPASS	4729	A	12
13	COMPASS	LTX6	SA1	LCCT	COUNT LINES	CMP30	2105	A	13
14	COMPASS	LTX6	SX7	X1-1		COMPASS	4730	A	14
15	COMPASS		ZR	X7,LTX	IF END OF LINE	COMPASS	4731	A	15
16	COMPASS		SA7	A1	LIST CONTINUATION LINES	COMPASS	4732	A	16
17	COMPASS		SA0	A0+9		COMPASS	4733	A	17
18	COMPASS		SA3	=1H		COMPASS	4734	A	18
19	COMPASS		LX6	X3		COMPASS	4735	A	19
20	COMPASS		BX7	X3		COMPASS	4736	A	20
21	COMPASS		SA6	A0		COMPASS	4737	A	21
22	COMPASS		SA7	A6+B1		COMPASS	4738	A	22
23	COMPASS		SA6	A7+B1		COMPASS	4739	A	23
24	COMPASS		SA7	A6+B1		COMPASS	4740	I	24
25	COMPASS	-CMP30	ZR	X5,LTX6	IF NO FULL LIST	COMPASS	4741	I	25
26	COMPASS	-CMP30				COMPASS	4742	I	26
27	COMPASS	-CMP30	WRITEH	A5,A0,13		COMPASS	4743	I	27
28	COMPASS	-CMP30	LTX6	ZR	X0,LTX5	COMPASS	4744	I	28
29	COMPASS	-CMP30				COMPASS	4745	I	29
30	COMPASS	-CMP30	WRITEH	X0,A0,13		COMPASS	4746	I	30
31	COMPASS	-CMP30				COMPASS	4747	I	31
32	COMPASS	-CMP30	EQ	LTX5		COMPASS	4748	I	32
33	COMPASS	-CMP30	EQ	LTX4		CMP30	2106	A	33
34	COMPASS	RM	ELSE			CMP30	2107	A	34
35	COMPASS	LTX3	SX6	A6		CMP30	2108	A	35
36	COMPASS	LTX3	BX7	X0		CMP30	2109	A	36
37	COMPASS	LTX3	SA6	T6RM1	SAVE LIST ADDRESS	CMP30	2110	A	37
38	COMPASS	LTX3	SA7	A6+B1		CMP30	2111	A	38
39	COMPASS	LTX3	SA5	CP.LISTF		CMP30	2112	A	39
40	COMPASS	LTX4	ZR	X5,LTX5	IF NO FULL LIST	CMP30	2113	A	40
41	COMPASS	LTX4	PUT	0,X6,130		CMP30	2114	A	41
42	COMPASS	LTX5	SA2	T6RM2		CMP30	2115	A	42
43	COMPASS	LTX5	SA3	A2-B1		CMP30	2116	A	43
44	COMPASS	LTX5	ZR	X2,LTX6	IF NO ERROR LIST	CMP30	2117	A	44
45	COMPASS	LTX5	PUT	E,X3,130		CMP30	2118	A	45
46	COMPASS	LTX6	SA1	LCCT	COUNT LINES	CMP30	2119	A	46
47	COMPASS	LTX6				CMP30	2120	A	47
48	COMPASS	LTX6				CMP30	2121	A	48

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	BX5	-X0*X1		F4820	150	I
1	-CPSA198						
2	COMPASS	SX2	X2+B6		F4820	151	I
3	-CPSA198						
4	COMPASS	IX6	X4+X5		F4820	152	I
5	-CPSA198						
6	COMPASS	PL	B7,PK03	LOOP	F4820	153	I
7	-CPSA198						
8	COMPASS	NZ	X3,PACK0	IF NOT LEADING ZERO SUPPRESSION	F4820	154	I
9	-CPSA198						
10	COMPASS	NZ	X1,PK03	IF NOT END OF NUMBER	F4820	155	I
11	-CPSA198						
12	COMPASS				F4820	156	I
13	-CPSA198						
14	COMPASS	PACK0	PS	RETURN EXIT	F4820	157	I
15	-CPSA198						
16	COMPASS	SA4	PPTYPE		F4820	158	I
17	-CPSA198						
18	COMPASS	NG	X4,PK02	IF HEX ASSEMBLY	F4820	159	I
19	-CPSA198						
20	COMPASS	SX4	X4+B1		CPSA197	16	I
21	-CPSA198						
22	COMPASS	ZR	X4,PK02	IF HEX (BCU) ASSEMBLY	CPSA197	17	I
23	-CPSA198						
24	COMPASS	SX4	X4+B1		CPSA197	18	I
25	-CPSA198						
26	COMPASS	ZR	X4,PK02	IF HEX (MCU) ASSEMBLY	CPSA197	19	I
27	-CPSA198						
28	COMPASS	MX0	57		F4820	160	I
29	-CPSA198						
30	COMPASS	SX4	1R0		F4820	161	I
31	-CPSA198						
32	COMPASS	SB7	X3-1		F4820	162	I
33	-CPSA198						
34	COMPASS	BX5	-X0*X1		F4820	163	I
35	-CPSA198						
36	COMPASS	IX6	X5+X4		F4820	164	I
37	-CPSA198						
38	COMPASS	SB6	-B1		F4820	165	I
39	-CPSA198						
40	COMPASS	SB5	OCTAL-1		F4820	166	I
41	-CPSA198						
42	COMPASS	PACK01	AX1	3	F4820	167	I
43	-CPSA198						
44	COMPASS	SA6	X2+B5		F4820	168	I
45	-CPSA198						
46	COMPASS	SB7	B7-B1		F4820	169	I
47	-CPSA198						
48	COMPASS	BX5	-X0*X1		F4820	170	I
49	-CPSA198						
50	COMPASS	SX2	X2+B6		F4820	171	I
51	-CPSA198						
52							
53	0	1	2	3	4	5	6
54	1234567890123456789012345678901234567890123456789012345678901234567890						
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	IX6	X4+X5	F4820	172	I		
COMPASS	-CPSA198	PL	B7,PACK01	F4820	173	I	
COMPASS	-CPSA198	NZ	X3,PACK0	IF NOT LEADING ZERO SUPPRESSION	F4820	174	I
COMPASS	-CPSA198	NZ	X1,PACK01	IF NOT END OF NUMBER	F4820	175	I
COMPASS	-CPSA198	EQ	PACK0	RETURN	F4820	176	I
COMPASS	-CPSA198	PACK0	PS	RETURN EXIT	CPSA198	5	A
COMPASS		MX0	60-4	HEX DIGITS	CPSA198	6	A
COMPASS		SB3	4	SIZE OF SHIFT	CPSA198	7	A
COMPASS		SX4	1R0	CONVERSION FACTOR	CPSA198	8	A
COMPASS		SB7	X3-1	COLUMN COUNTER	CPSA198	9	A
COMPASS		SX7	1R	BLANK	CPSA198	10	A
COMPASS		SB6	-B1		CPSA198	11	A
COMPASS		SB5	OCTAL-1		CPSA198	12	A
COMPASS		PL	X1,PACK01	IF POSITIVE NUMBER	CPSA198	13	A
COMPASS		NZ	X3,PACK01	IF NO LEADING ZERO SUPPRESSION	CPSA198	14	A
COMPASS		BX1	-X1	REVERSE NEGATIVE NUMBER	CPSA198	15	A
COMPASS		SX7	1R-	SAVE A MINUS SIGN	CPSA198	16	A
COMPASS	PACK01	SA5	PPTYPE		CPSA198	17	A
COMPASS		SX5	X5+B1		CPSA198	18	A
COMPASS		ZR	X5,PACK02	HEX (BCU PPTYPE = -1)	CPSA198	19	A
COMPASS		SX5	X5+B1		CPSA198	20	A
COMPASS		ZR	X5,PACK02	HEX (MCU PPTYPE = -2)	CPSA198	21	A
COMPASS		MX0	60-3	OCTAL DIGITS	CPSA198	22	A
COMPASS		SB3	3	SIZE OF SHIFT	CPSA198	23	A
COMPASS	PACK02	BX5	-X0*X1	MASK OFF LOWER NUMBER	CPSA198	24	A
COMPASS		IX6	X4+X5	ADD CONVERSION FACTOR	CPSA198	25	A
COMPASS		SB4	X5-10	HEX NUMBERS GET LARGER THAN 10.	CPSA198	26	A
COMPASS		NG	B4,PACK03	IF NOT NUMERIC	CPSA198	27	A
COMPASS		SX6	B4+B1	10=A,11=B,ETC.	CPSA198	28	A
COMPASS	PACK03	AX1	B3	SHIFT	CPSA198	29	A
COMPASS		SA6	X2+B5	STORE DISPLAY VALUE	CPSA198	30	A
COMPASS		SB7	B7-B1	DECREMENT COLUMN NUMBER	CPSA198	31	A
COMPASS		SX2	X2+B6	DECREMENT COLUMN COUNTER	CPSA198	32	A
COMPASS		PL	B7,PACK02	LOOP.	CPSA198	33	A
COMPASS		NZ	X3,PACK0	NO LEADING ZERO SUPPRESSION.	CPSA198	34	A
COMPASS		NZ	X1,PACK02	NOT END OF NUMBER.	CPSA198	35	A
COMPASS		SA7	A6-B1	STORE MINUS SIGN IF NECESSARY.	CPSA198	36	A
COMPASS		EQ	PACK0	RETURN.	CPSA198	37	A
COMPASS	PET	SPACE	4		COMPASS	4745	A
COMPASS	**	PET - PROCESS ERROR TABLE.			COMPASS	4746	A
COMPASS	*	RECORDS ERRORS IN ERRTAB. CLEARS LSLB.			COMPASS	4747	A
COMPASS					COMPASS	4748	A
COMPASS	PET	PS		RETURN EXIT	COMPASS	4749	A
COMPASS		MX6	0		COMPASS	4750	A
COMPASS		SA6	PETA		COMPASS	4751	A
COMPASS	PET1	SA2	PETA		COMPASS	4752	A
COMPASS		SA1	LSLB+X2		COMPASS	4753	A

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

1	COMPASS	-CPSA134	X	ELSE	2	F7540CP	95	I	
2		-CPSA134							
3	COMPASS			FETCH	B,FWB,X2	CMP30	2147	I	
4		-CPSA134							
5	COMPASS			SX1	X2+BBUFL	CMP30	2148	I	
6		-CPSA134							
7	COMPASS			SKIP	1	CMP30	2149	I	
8		-F7540CP		-CPSA134					
9	COMPASS			ENV	(4,5,7,8),X	F7540CP	96	I	
10		-CPSA134							
11	COMPASS			SX1	BUFFERS	CMP30	2150	A	
12	COMPASS	X		ENDIF		F7540CP	97	I	
13		-CPSA134							
14	COMPASS					CMP30	2151	I	
15		-CPSA134							
16	COMPASS			RJ	ACL	CMP30	2152	A	
17	COMPASS				ADJUST CORE LIMITS	CMP30	2153	I	
18		-CPSA134							
19	COMPASS	DM		IFC	LT, "MODEL" 75	CMP30	2154	I	
20		-F7540CP		-CPSA134					
21	COMPASS			ENV	(4,5,7,8),DM	F7540CP	98	I	
22		-CPSA134							
23	COMPASS			SKIP		F7540CP	99	I	
24		-CPSA134							
25	COMPASS	DM		ELSE		F7540CP	100	I	
26		-CPSA134							
27	COMPASS			CLOSEM	R,N	CMP30	2155	I	
28		-CPS064		-CPSA134					
29	COMPASS			SA2	E	CPS064	125	I	
30		-CPSA134							
31	COMPASS			ZR	X2,PRTXA	CPS064	126	I	
32		-CPSA134			IF NO ERROR LISTING FILE				
33	COMPASS			OPENM	E,OUTPUT,N	CPS064	127	I	
34		-CPSA134							
35	COMPASS	PRTXA		CLOSEM	R,N	CPS064	128	I	
36		-CPSA134							
37	COMPASS			SA2	PRTA	CMP30	2156	I	
38		-CPSA134							
39	COMPASS			STORE	R,FWB=X2	CMP30	2157	I	
40		-CPSA134							
41	COMPASS			OPENM	R,I-0,N	CMP30	2158	I	
42		-CPSA134							
43	COMPASS	DM		ENDIF		CMP30	2159	I	
44		-CPSA134							
45	COMPASS					CMP30	2160	A	
46	COMPASS			IFEQ	OVERLAY,0,1	CPS064	129	A	
47	COMPASS			GET	R,CBUF	CMP30	2161	A	
48	COMPASS			REWINDM	R	CMP30	2162	A	
49	COMPASS					CMP30	2163	A	
50	COMPASS	RM		ENDIF		CMP30	2164	A	
51	COMPASS					CMP30	2165	A	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

1	COMPASS	-CMP25	-CMP042	SA6	L.QVTAB+1	COMPASS	4810	I	1
2	COMPASS	-CMP25	-CMP042			COMPASS	4811	I	2
3	COMPASS	+	SB7	B7-B1		COMPASS	4812	I	3
4	COMPASS	-CMP25	-CMP042	SA6	A6+B1	COMPASS	4813	I	4
5	COMPASS	-CMP25	-CMP042	NZ	B7,*	COMPASS	4814	I	5
6	COMPASS	-CMP25	-CMP042	SA6	L.MEMORY	COMPASS	4815	I	6
7	COMPASS	-CMP25	-CMP042	WRITER	R	COMPASS	4816	I	7
8	COMPASS	-CMP042				COMPASS	4817	I	8
9	COMPASS		NZ	X1,PRT1	IF REFTAB OVERFLOWED	CMP042	75	A	9
10	COMPASS		SA6	LOSTREF		CMP042	76	A	10
11	COMPASS		EQ	PRT7		CMP042	77	A	11
12	COMPASS					CMP30	2166	A	12
13	COMPASS	RM	IFEQ	CP#RM,0		CMP30	2167	A	13
14	COMPASS					CMP30	2168	A	14
15	COMPASS	PRT1	WRITER	R		CMP042	78	A	15
16	COMPASS		WRITER	E		CPS064	136	I	16
17	COMPASS	-CPS2659							17
18	COMPASS		SA1	E	GET STATUS OF ERROR FILE	CPS2659	9	A	18
19	COMPASS		SA2	E+2	*IN* POINTER	CPS2659	10	A	19
20	COMPASS		SA3	A2+B1	*OUT* POINTER	CPS2659	11	A	20
21	COMPASS		LX1	59-3		CPS2659	12	A	21
22	COMPASS		IX4	X2-X3		CPS2659	13	A	22
23	COMPASS		MI	X1,PRT1.1	IF ANYTHING WAS WRITTEN	CPS2659	14	A	23
24	COMPASS		ZR	X4,PRT1.2	IF BUFFER EMPTY	CPS2659	15	A	24
25	COMPASS	PRT1.1	WRITER	E		CPS2659	16	A	25
26	COMPASS	PRT1.2	BSS	0		CPS2659	17	A	26
27	COMPASS					CPS2659	18	A	27
28	COMPASS		REWIND	R,R		COMPASS	4816	I	28
29	COMPASS	-CMP30							29
30	COMPASS		EVICT	C,R		COMPASS	4817	I	30
31	COMPASS	-CMP30							31
32	COMPASS		RECALL	S		COMPASS	4818	A	32
33	COMPASS		SA2	B		COMPASS	4819	I	33
34	COMPASS	-CMP30							34
35	COMPASS		SA2	E		CMP30	2169	I	35
36	COMPASS	-CPS064							36
37	COMPASS		ZR	X2,PRT1A		CMP30	2170	I	37
38	COMPASS	-CPS064							38
39	COMPASS		RECALL	A2		CMP30	2171	I	39
40	COMPASS	-CPS064							40
41	COMPASS	PRT1A	SA2	B		CMP30	2172	I	41
42	COMPASS	-CPS064							42
43	COMPASS		ZR	X2,PRT3		COMPASS	4820	I	43
44	COMPASS	-CPS064							44
45	COMPASS		RECALL	A2		COMPASS	4821	I	45
46	COMPASS	-CPS064							46
47	COMPASS		RECALL	B		CPS064	137	A	47
48	COMPASS								48
49	COMPASS								49
50	COMPASS								50
51	COMPASS								51
52	COMPASS								52
53	COMPASS								53
54	COMPASS								54
55	COMPASS								55
56	COMPASS								56
57	COMPASS								57
58	COMPASS								58
59	COMPASS								59
60	COMPASS								60

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	RECALL E	CPS064	138	A	
COMPASS PRT3	SX6 CBUF	COMPASS	4822	I	
-CPS020					
COMPASS PRT3	RECALL R	S020 6 CPS020	1	I	
-CPS064					
COMPASS	SX6 CBUF	S020 7 CPS020	2	I	
-CPS064					
COMPASS	RECALL R	CPS064	139	A	
COMPASS	SX6 CBUF	CPS064	140	A	
COMPASS	SA6 PRTA	CPS064	141	A	
COMPASS		CPS064	142	A	
COMPASS OVL	IFEQ OVERLAY,0	CPS064	143	A	
COMPASS	SA1 R+1	COMPASS	4823	A	
COMPASS	SX7 X1	COMPASS	4824	A	
COMPASS	SX2 C	COMPASS	4825	I	
-CPS064					
COMPASS	SA6 C+3	COMPASS	4826	A	
COMPASS	SA7 A6-B1	COMPASS	4827	A	
COMPASS	SA6 PRTA	COMPASS	4828	I	
-CPS064					
COMPASS	WRITER X2,R	COMPASS	4829	I	
-CPS064					
COMPASS OVL	ENDIF	CPS064	144	A	
COMPASS		CPS064	145	A	
COMPASS	REWIND X2	CMP30	2173	I	
-CPS064					
COMPASS	REWIND T	CPS064	146	A	
COMPASS		CMP30	2174	A	
COMPASS RM	ELSE	CMP30	2175	A	
COMPASS		CMP30	2176	A	
COMPASS PRT1	WEOR R	CMP30	2177	A	
COMPASS		CMP30	2178	I	
-CPSA134					
COMPASS DM	IFC LT, "MODEL" 75	CMP30	2179	I	
-F7540CP	-CPSA134				
COMPASS	ENV (4,5,7,8),DM	F7540CP	101	I	
-CPSA134					
COMPASS	SKIP	F7540CP	102	I	
-CPSA134					
COMPASS DM	ELSE	F7540CP	103	I	
-CPSA134					
COMPASS	SA2 E	CMP30	2180	I	
-CPSA134					
COMPASS	ZR X2,PRT1A	CMP30	2181	I	
-CPSA134					
COMPASS	CHECK E	CMP30	2182	I	
-CPS064	-CPSA134				
COMPASS	CLOSEM E,N	CPS064	147	I	
-CPSA134					
COMPASS PRT1A	FETCH B,OC,X2	CMP30	2183	I	
-CPSA134					
COMPASS	SX3 X2-#YES#	CMP30	2184	I	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPSA134

1	COMPASS	-CPSA134	NZ	X3,PRT3	IF BINARY FILE NOT OPEN	CMP30	2185	I	
2	COMPASS	-CPSA134				CMP30	2186	I	
3	COMPASS	-CPSA134	CLOSEM	B,N	FLUSH BBUF	CMP30	2187	I	
4	COMPASS	-CPSA134	PRT3	CHECK	S	CMP30	2188	I	
5	COMPASS	-CPSA134				CMP30	2189	I	
6	COMPASS	-CPSA134	CLOSEM	R,N	FLUSH RBUF	CMP30	2190	I	
7	COMPASS	-CPS064	-CPSA134			CMP30	2191	I	
8	COMPASS	-CPSA134	FETCH	R,FWB,X6		CMP30	2192	I	
9	COMPASS	-CPSA134	DM	ELSE	1	CMP30	2193	I	
10	COMPASS	-F7540CP	-CPSA134			CMP30	2194	I	
11	COMPASS	DM	ENDIF			F7540CP	104	I	
12	COMPASS	-CPSA134	ENV	(4,5,7,8),DM		F7540CP	105	I	
13	COMPASS	-CPSA134	SX6	BUFFERS	LWA OF COMPASS	CMP30	2191	A	
14	COMPASS	DM	ENDIF			F7540CP	106	I	
15	COMPASS	-CPSA134				CMP30	2192	I	
16	COMPASS	-CPSA134				CMP30	2192	I	
17	COMPASS		SA6	PRTA		CPS064	148	A	
18	COMPASS					CPS064	149	A	
19	COMPASS	OVL	IFEQ	OVERLAY,0		CPS064	150	A	
20	COMPASS		SX3	X6-CBUF		CMP30	2193	A	
21	COMPASS		SA6	PRTA		CMP30	2194	I	
22	COMPASS	-CPS064				CMP30	2195	A	
23	COMPASS		IX4	X3+X3		CMP30	2196	A	
24	COMPASS		LX3	3		CMP30	2197	A	
25	COMPASS		IX5	X3+X4	LENGTH TO BE DUMPED	CMP30	2197	A	
26	COMPASS		PUT	R,CBUF,X5	S028 368	CPS028	273	A	
27	COMPASS	OVL	ENDIF			CPS064	151	A	
28	COMPASS					CMP30	2198	A	
29	COMPASS	DM	IFC	LT, "MODEL" 75		CMP30	2199	I	
30	COMPASS	-F7540CP							
31	COMPASS		ENV	(4,5,7,8),DM		F7540CP	107	I	
32	COMPASS	-CPSA134				F7540CP	108	I	
33	COMPASS	-CPSA134	SKIP			F7540CP	109	I	
34	COMPASS	-CPSA134	DM	ELSE		F7540CP	109	I	
35	COMPASS	-CPSA134				CMP30	2200	I	
36	COMPASS	-CPSA134	CLOSEM	R,R		CMP30	2201	I	
37	COMPASS	-CPSA134	STORE	R,FWB=TBUF	SET NEW BUFFER	CMP30	2201	I	
38	COMPASS	-CPSA134				CMP30	2202	I	
39	COMPASS	-CPSA134	OPENM	R,I-0,N		CMP30	2202	I	
40	COMPASS	-CPSA134				CMP30	2203	I	
41	COMPASS	DM	ELSE	1		CMP30	2203	I	
42	COMPASS	-F7540CP	-CPSA134			F7540CP	110	I	
43	COMPASS	DM	ENDIF			F7540CP	110	I	
44	COMPASS	-CPSA134							

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	ENV	(4,5,7,8),DM	F7540CP	111	I
-CPSA134					
COMPASS	REWINDM R		CMP30	2204	A
COMPASS	DM	ENDIF	F7540CP	112	I
-CPSA134					
COMPASS			CMP30	2205	A
COMPASS	RM	ENDIF	CMP30	2206	A
COMPASS			CMP30	2207	A
COMPASS	SX1	PRTB	COMPASS	4830	A
COMPASS	RJ	ACL	COMPASS	4831	A
COMPASS	RJ	MTD	COMPASS	4832	A
COMPASS	PRT1A	BSS	CPSA129	4	A
COMPASS	SA1	O.REFTAB	COMPASS	4833	A
COMPASS	SA2	O.ENDTAB	COMPASS	4834	A
COMPASS	IX7	X2-X1	COMPASS	4835	I
-CMP042					
COMPASS	BX6	X2	COMPASS	4836	I
-CMP042					
COMPASS	SX7	X7-100B	COMPASS	4837	I
-CMP042					
COMPASS	SA7	L.REFTAB	COMPASS	4838	I
-CMP042					
COMPASS	SA3	LOSTREF	CMP042	79	A
COMPASS	IX4	X2-X1	CMP042	80	A
COMPASS	SX7	X4-100B	CMP042	81	A
COMPASS	IX6	X3-X7	CMP042	82	A
COMPASS	PL	X6,PRT2	CMP042	83	I
-CPSA129					
COMPASS	NG	X6,PRT1B	CPSA129	5	A
COMPASS	SA4	LSTTHOU	CPSA129	6	A
COMPASS	NZ	X4,PRT2	CPSA129	7	A
COMPASS	BX1	X6	CPSA129	8	A
COMPASS	RJ	RFL	CPSA129	9	A
COMPASS	EQ	PRT1A	CPSA129	10	A
COMPASS			CPSA129	11	A
COMPASS	PRT1B	BSS	CPSA129	12	A
COMPASS	BX7	X3	CMP042	84	A
COMPASS	MX6	0	CMP042	85	A
COMPASS	PRT2	SA7	CMP042	86	A
COMPASS	SA6	A3	CMP042	87	A
COMPASS		RESET LOSTREF			
COMPASS	BX6	X2	CMP042	88	A
COMPASS	SA6	O.MEMORY	COMPASS	4839	A
COMPASS			CMP30	2208	A
COMPASS	RM	IFEQ	CMP30	2209	A
COMPASS		CP#RM,0	CMP30	2210	A
COMPASS	SB6	X1	COMPASS	4840	A
COMPASS	SB7	X7	COMPASS	4841	A
COMPASS	RECALL	C	CMP30A	1	I
-CPS064					
COMPASS	READ	T	COMPASS	4842	A
COMPASS	READW	T,B6,B7	COMPASS	4843	A
COMPASS	NZ	X1,PRT5	COMPASS	4844	A
		IF ROOM FOR REFERENCE TABLE			
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	LX2	32		CMP19	90	I
-CMP26						
COMPASS	SB6	59-35		CMP19	91	A
COMPASS	SX7	0		CMP19	92	A
COMPASS	BX2	-X2		CMP26	12	A
COMPASS	SX6	X2+B1		CMP26	13	A
COMPASS	BX2	X6		CMP26	14	A
COMPASS	LX2	34-32		CMP26	15	A
COMPASS	BX2	X2+X6	X2 = 5 * (1 - (LT))	CMP26	16	A
COMPASS	LX2	32		CMP26	17	A
COMPASS	PRT11	SA1	A1+B2	CMP19	93	I
-CP096A						
COMPASS	PRT11	RX1	X4	CP096A	272	A
COMPASS		SX4	X4+B2	CP096A	273	A
COMPASS	ZR	B7,PRT13	IF END OF SYMBOL TABLE	CMP19	94	A
COMPASS	SB7	B7-B2		CMP19	95	A
COMPASS	LX6	X1,B6		CMP19	96	A
COMPASS	BX3	X0*X1		CMP19	97	A
COMPASS	NG	X6,PRT12	IF NOREF ENTRY	CMP19	98	A
COMPASS	BX4	X2*X1		CMP19	99	I
-CP096A						
COMPASS	BX6	X2*X1		CP096A	274	A
COMPASS	NZ	X3,PRT11	IF REFERENCED ENTRY	CMP19	100	A
COMPASS	NZ	X4,PRT12	IF SST OR XTEXT	CMP19	101	I
-CMP26						
COMPASS	NZ	X4,PRT12	IF SST OR XTEXT, BUT NO LIST T	CMP26	18	I
-CP096A						
COMPASS	NZ	X6,PRT12	IF SST OR XTEXT, BUT NO LIST T	CP096A	275	A
COMPASS	NZ	X5,PRT11	IF LIST N	CMP19	102	A
COMPASS	PRT12	SA7	A1	CMP19	103	I
-CP096A						
COMPASS	SA7	A1-B1		CMP19	104	I
-CP096A						
COMPASS	PRT12	SX6	X4-3	CP096A	276	A
COMPASS	WX7	X6	CLEAR SYMTAB ENTRY	CP096A	277	A
COMPASS	SX6	X6+B1		CP096A	278	A
COMPASS	WX7	X6		CP096A	279	A
COMPASS	EQ	PRT11	LOOP	COMPASS	4913	A
COMPASS				COMPASS	4914	A
COMPASS	PRT13	SA2	L.SYMTAB	COMPASS	4915	A
COMPASS	SA3	0.SYMTAB	LEFT JUSTIFY SYMBOLS	COMPASS	4916	A
COMPASS	SB2	B1+B1		COMPASS	4917	A
COMPASS	MX0	12		COMPASS	4918	A
COMPASS	SB7	X2		COMPASS	4919	A
COMPASS	SA1	X3-2		COMPASS	4920	I
-CP096A						
COMPASS	MX3	18		COMPASS	4921	I
-CP096A						
COMPASS	BX6	X1		COMPASS	4922	I
-CP096A						
COMPASS	SA6	A1		COMPASS	4923	I
-CP096A						
0	1	2	3	4	5	6
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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	MX5	0	COMPASS	4924	I
-CP096A					
COMPASS	RX1	X3	CP096A	280	A
COMPASS	SX4	X3	CP096A	281	A
COMPASS	MX5	18	CP096A	282	A
COMPASS	SB3	36	COMPASS	4925	I
-CMP19					
COMPASS	SB4	-2R'?	COMPASS	4926	I
-CMP19					
COMPASS			COMPASS	4927	A
COMPASS	PRT14	SA1	COMPASS	4928	I
-CP096A		A1+B2			
COMPASS	BX6	-X0*X1	COMPASS	4929	I
-CP096A		ZERO ENTRIES			
COMPASS	ZR	X6,PRT16	COMPASS	4930	I
-CP096A					
COMPASS	PRT14	BX6	CP096A	283	A
COMPASS	ZR	X6,PRT16	CP096A	284	A
COMPASS	SX2	X3+B1	CP096A	285	A
COMPASS	AX2	X6,B3	COMPASS	4931	I
-CMP19		ELIMINATE INVENTED SYMBOLS			
COMPASS	SB5	X2+B4	COMPASS	4932	I
-CMP19					
COMPASS	ZR	B5,PRT16	COMPASS	4933	I
-CMP19					
COMPASS	PRT15	BX4	COMPASS	4934	I
-CP096A		X3*X6			
COMPASS	PRT15	BX7	CP096A	286	A
COMPASS		X5*X6			
COMPASS	LX6	6	COMPASS	4935	A
COMPASS	ZR	X4,PRT15	COMPASS	4936	I
-CP096A					
COMPASS	ZR	X7,PRT15	CP096A	287	A
COMPASS	RX2	X2	CP096A	288	A
COMPASS	AX6	6	COMPASS	4937	A
COMPASS	BX1	X0*X1	COMPASS	4938	A
COMPASS	IX6	X6+X1	COMPASS	4939	A
COMPASS	SA4	A1+B1	COMPASS	4940	I
-CP096A		MOVE EQUIVALENT			
COMPASS	SA6	A6+B2	COMPASS	4941	I
-CP096A					
COMPASS	BX7	X4	COMPASS	4942	I
-CP096A					
COMPASS	SX5	X5+B2	COMPASS	4943	I
-CP096A					
COMPASS	SA7	A6+B1	COMPASS	4944	I
-CP096A					
COMPASS	PRT16	SB7	COMPASS	4945	I
-CP096A		B7-B2			
COMPASS	BX7	X2	CP096A	289	A
COMPASS	WX6	X4	CP096A	290	A
COMPASS	SX4	X4+B1	CP096A	291	A
COMPASS	WX7	X4	CP096A	292	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS		SX4	X4+B1		CP096A	293	A
COMPASS	PRT16	SX3	X3+B2		CP096A	294	A
COMPASS		SB7	B7-B2		CP096A	295	A
COMPASS		RX1	X3		CP096A	296	A
COMPASS		NZ	B7,PRT14		COMPASS	4946	A
COMPASS					COMPASS	4947	A
COMPASS		ZR	X5,PRTX	IF NO SYMBOLS	COMPASS	4948	I
-CP096A							
COMPASS		BX7	X5		COMPASS	4949	I
-CP096A							
COMPASS		SA7	A2	RESTORE SYMBOL TABLE SIZE	COMPASS	4950	I
-CP096A							
COMPASS		SA3	O.SYMTAB	UPDATE SYMBOL TABLE SIZE	CP096A	297	A
COMPASS		IX7	X4-X3		CP096A	298	A
COMPASS		SA7	L.SYMTAB		CP096A	299	A
COMPASS		ZR	X7,PRTX	IF NO SYMBOLS	CP096A	300	A
COMPASS		SA1	=1H	PREPARE SUBTITLE	COMPASS	4951	A
COMPASS		SX2	SUBTIT		COMPASS	4952	A
COMPASS		SX3	SUBTIT+SUBL		COMPASS	4953	A
COMPASS		RJ	PRESET		COMPASS	4954	A
COMPASS		SA1	=H*	SYMBOLIC REFERENCE TABLE.*	COMPASS	4955	A
COMPASS		SA2	A1+B1		COMPASS	4956	A
COMPASS		BX6	X1		COMPASS	4957	A
COMPASS		LX7	X2		COMPASS	4958	A
COMPASS		SA6	SUBTIT		COMPASS	4959	A
COMPASS		SA7	A6+B1		COMPASS	4960	A
COMPASS		SA1	A2+B1		COMPASS	4961	A
COMPASS		SA2	A1+B1		COMPASS	4962	A
COMPASS		BX7	X1		COMPASS	4963	A
COMPASS		LX6	X2		COMPASS	4964	A
COMPASS		SA7	A7+B1		COMPASS	4965	A
COMPASS		SA6	A7+B1		COMPASS	4966	A
COMPASS		SA1	LPCNT	CAUSE PAGE EJECT	COMPASS	4967	A
COMPASS		SA2	PSIZE		COMPASS	4968	A
COMPASS		IX7	X1+X2		COMPASS	4969	A
COMPASS		SA7	A1		COMPASS	4970	A
COMPASS		NZ	X2,PRT16.1	IF PAGE EJECT NOT SUPPRESSED	CPSA208	13	A
COMPASS		SX0	2	ELSE PRINT SOME BLANK LINES	CPSA208	14	A
COMPASS		RJ	LBL		CPSA208	15	A
COMPASS		SA1	LPCNT		CPSA208	16	A
COMPASS		SX0	2		CPSA208	17	A
COMPASS		SA2	CP.PS	CHECK FOR END OF PAGE	CPSA208	18	A
COMPASS		IX6	X1+X0		CPSA208	19	A
COMPASS		IX2	X6-X2		CPSA208	20	A
COMPASS		SA6	A1	INCREMENT LINE COUNT	CPSA208	21	A
COMPASS		PL	X2,PRT16.1		CPSA208	22	A
COMPASS		RJ	LHDS	AND PRINT SUBTITLE LINE	CPSA208	23	A
COMPASS	PRT16.1	BSS	0		CPSA208	24	A
COMPASS		SA1	LOSTREF		COMPASS	4971	A
COMPASS		ZR	X1,PRT17	IF NO LOST REFERENCES	COMPASS	4972	A
COMPASS		RJ	CONDEC		COMPASS	4973	A
COMPASS		SA1	=20HLOST REFERENCES.		COMPASS	4974	I

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP042

1	COMPASS	-CMP042	SA2	A1+B1	COMPASS	4975	I
2	COMPASS	-CMP042	LX6	6	COMPASS	4976	I
3	COMPASS	-CMP042	BX7	X1	COMPASS	4977	I
4	COMPASS	-CMP042	SA6	SUBTIT+4	COMPASS	4978	I
5	COMPASS	-CMP042	SA7	A6+B1	COMPASS	4979	I
6	COMPASS	-CMP042	BX7	X2	COMPASS	4980	I
7	COMPASS	-CMP042	SA7	A7+B1	COMPASS	4981	I
8	COMPASS	-CMP042	MESSAGE	A6,,R	COMPASS	4982	I
9	COMPASS	-CMP042	SA1	FIELDL	COMPASS	4983	I
10	COMPASS	-CMP042	SA2	LOSTREF	COMPASS	4984	I
11	COMPASS	-CMP042	IX1	X1+X2	COMPASS	4985	I
12	COMPASS	-CMP042	RJ	CONOCT	COMPASS	4986	I
13	COMPASS	-CMP042	SA6	P2TEMP	COMPASS	4987	I
14	COMPASS	-CMP042	SA3	=C*STORAGE REQUIRED.*	COMPASS	4988	I
15	COMPASS	-CMP042	SA4	A3+B1	COMPASS	4989	I
16	COMPASS	-CMP042	BX6	X3	COMPASS	4990	I
17	COMPASS	-CMP042	LX7	X4	COMPASS	4991	I
18	COMPASS	-CMP042	SA6	A6+B1	COMPASS	4992	I
19	COMPASS	-CMP042	SA7	A6+B1	COMPASS	4993	I
20	COMPASS	-CMP042	MESSAGE	P2TEMP,,R	COMPASS	4994	I
21	COMPASS	-CMP042	SA6	SUBTIT+4	CMP042	89	A
22	COMPASS	-CMP042	SA1	=20H LOST REFERENCES IN	CMP042	90	A
23	COMPASS	-CMP042	SA2	A1+B1	CMP042	91	A
24	COMPASS	-CMP042	BX6	X1	CMP042	92	A
25	COMPASS	-CMP042	LX7	X2	CMP042	93	A
26	COMPASS	-CMP042	SA1	ASMM+1	CMP042	94	A
27	COMPASS	-CMP042	SX2	1R	CMP042	95	A
28	COMPASS	-CMP042	SA6	A6+B1	CMP042	96	A
29	COMPASS	-CMP042	SA7	A6+B1	CMP042	97	A
30	COMPASS	-CMP042	LX1	6	CMP042	98	A
31	COMPASS	-CMP042	BX6	X1-X2	CMP042	99	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA6	A7+B1			CMP042	100	A
COMPASS		JOBMSG	SUBTIT+4,R		CMP042	101	I
-CMP30							
COMPASS		MESSAGE	SUBTIT+4,,R		CMP30	2230	A
COMPASS	SA1	=10H	RENCES.		CMP042	102	A
COMPASS	SA2	=10H			CMP042	103	A
COMPASS	BX6	X1			CMP042	104	A
COMPASS	LX7	X2			CMP042	105	A
COMPASS	SA6	SUBTIT+6			CMP042	106	A
COMPASS	SA7	A6+B1			CMP042	107	A
COMPASS					COMPASS	4995	A
COMPASS	*	SHELL	SORT OF SYMBOL TABLE.		COMPASS	4996	A
COMPASS					COMPASS	4997	A
COMPASS	PRT17	SA3	L.SYMTAB		COMPASS	4998	A
COMPASS		SA2	O.SYMTAB		COMPASS	4999	A
COMPASS		ZR	X3,PRTX	IF SYMBOL TABLE IS NOW EMPTY	COMPASS	5000	A
COMPASS		SA0	X2-2	(A0) = TABLE ADDRESS	COMPASS	5001	A
COMPASS		SB7	X3	N = LENGTH	COMPASS	5002	A
COMPASS		SB6	X3	M = N	COMPASS	5003	A
COMPASS		SX5	2		CP096A	301	A
COMPASS					COMPASS	5004	A
COMPASS	PRT18	SX0	B6	M = M/2	COMPASS	5005	A
COMPASS		AX0	2		COMPASS	5006	A
COMPASS		LX0	1		COMPASS	5007	A
COMPASS		SB6	X0		COMPASS	5008	A
COMPASS		ZR	B6,PRT22	IF M = 0	COMPASS	5009	A
COMPASS		SB4	B7-B6	K = N - M	COMPASS	5010	A
COMPASS		SB3	B1+B1	J = 1	COMPASS	5011	A
COMPASS	PRT19	SB2	B3	I = J	COMPASS	5012	I
-CP096A							
COMPASS		SB2	B3+	I = J	CP096A	302	A
COMPASS	PRT20	SB5	B2+B6	L = I + M	COMPASS	5013	A
COMPASS		SA1	A0+B2	A(I)	COMPASS	5014	I
-CP096A							
COMPASS		SA2	A0+B5	A(L)	COMPASS	5015	I
-CP096A							
COMPASS		IX6	X2-X1		COMPASS	5016	I
-CP096A							
COMPASS		SX1	A0+B2		CP096A	303	A
COMPASS		SX2	A0+B5		CP096A	304	A
COMPASS		RX3	X1	A(I)	CP096A	305	A
COMPASS		RX4	X2	A(L)	CP096A	306	A
COMPASS		IX6	X4-X3		CP096A	307	A
COMPASS		PL	X6,PRT21	IF A(L) \ A(I)	COMPASS	5017	A
COMPASS		SA3	A1+B1	INTERCHANGE A(L) AND A(I)	COMPASS	5018	I
-CP096A							
COMPASS		SA4	A2+B1		COMPASS	5019	I
-CP096A							
COMPASS		BX6	X1		COMPASS	5020	I
-CP096A							
COMPASS		LX7	X3		COMPASS	5021	I
-CP096A							

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA6	A2	COMPASS	5022	I		
-CP096A							
COMPASS	SA7	A4	COMPASS	5023	I		
-CP096A							
COMPASS	BX6	X2	COMPASS	5024	I		
-CP096A							
COMPASS	LX7	X4	COMPASS	5025	I		
-CP096A							
COMPASS	SA6	A1	COMPASS	5026	I		
-CP096A							
COMPASS	SA7	A3	COMPASS	5027	I		
-CP096A							
COMPASS	BX6	X4	INTERCHANGE A(L) AND A(I)	CP096A	308	A	
COMPASS	LX7	X3		CP096A	309	A	
COMPASS	WX6	X1		CP096A	310	A	
COMPASS	WX7	X2		CP096A	311	A	
COMPASS	SX1	X1+B1	INTERCHANGE SECOND WORDS OF ENTRIES	CP096A	312	A	
COMPASS	SX2	X2+B1		CP096A	313	A	
COMPASS	RX3	X1		CP096A	314	A	
COMPASS	RX4	X2		CP096A	315	A	
COMPASS	SB2	B2-B6	I = I - M	COMPASS	5028	A	
COMPASS	BX6	X3		CP096A	316	A	
COMPASS	LX7	X4		CP096A	317	A	
COMPASS	WX6	X2		CP096A	318	A	
COMPASS	WX7	X1		CP096A	319	A	
COMPASS	GT	B2,PRT20	IF I > 0	COMPASS	5029	A	
COMPASS	PRT21	SB3	B3+2	J = J + 1	COMPASS	5030	I
-CP096A							
COMPASS	LE	B3,B4,PRT19	IF J @ K	COMPASS	5031	I	
-CP096A							
COMPASS	PRT21	SB3	B3+X5	J = J + 1	CP096A	320	A
COMPASS	SB2	B3	I = J	CP096A	321	A	
COMPASS	LE	B3,B4,PRT20	IF J @ K	CP096A	322	A	
COMPASS	EQ	PRT18	LOOP	COMPASS	5032	A	
COMPASS	*	OUTPUT CROSS REFERENCE TABLE.			COMPASS	5033	A
COMPASS				COMPASS	5034	A	
COMPASS				COMPASS	5035	A	
COMPASS	PRT22	SX6	B0	QUAL VALUE	COMPASS	5036	A
COMPASS		SA6	QVAL		COMPASS	5037	A
COMPASS				COMPASS	5038	A	
COMPASS	PRT23	SA3	L.SYMTAB	COMPASS	5039	A	
COMPASS		SA2	O.SYMTAB	COMPASS	5040	A	
COMPASS		MX6	0	CMP042	108	A	
COMPASS		SA6	L.MEMORY	CMP042	109	A	
COMPASS		SA6	LOSTREF	CMP042	110	A	
COMPASS	ZR	X3,PRTX	IF SYMBOL TABLE EMPTY	COMPASS	5041	A	
COMPASS		SX7	X3-2	COMPASS	5042	A	
COMPASS		SX6	X2+2	COMPASS	5043	A	
COMPASS		SA7	A3	COMPASS	5044	A	
COMPASS		SA6	A2	COMPASS	5045	A	
COMPASS		SA0	1R	COMPASS	5046	A	
COMPASS		MX0	12	COMPASS	5047	A	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA1	X2-2	COMPASS	5089	I
-CP096A					
COMPASS	SX2	X2-2	CP096A	324	A
COMPASS	RX1	X2	CP096A	325	A
COMPASS	SA0	1R	COMPASS	5090	A
COMPASS	MX0	12	COMPASS	5091	A
COMPASS			COMPASS	5092	A
COMPASS *	LIST SYMBOL AND VALUE.		COMPASS	5093	A
COMPASS			COMPASS	5094	A
COMPASS PRT27	BX1	-X0*X1	COMPASS	5095	A
COMPASS	MX0	54	COMPASS	5096	A
COMPASS	LX1	18	COMPASS	5097	A
COMPASS	SX6	A0	COMPASS	5098	A
COMPASS	SA6	OCTAL+7	COMPASS	5099	A
COMPASS	BX6	-X0*X1	COMPASS	5100	A
COMPASS PRT28	LX1	6	COMPASS	5101	A
COMPASS	SA6	A6+B1	COMPASS	5102	A
COMPASS	BX6	-X0*X1	COMPASS	5103	A
COMPASS	NZ	X6,PRT28	COMPASS	5104	A
COMPASS	SA1	A1+B1	COMPASS	5105	I
-CP096A					
COMPASS	SX2	X2+B1	CP096A	326	A
COMPASS	RX1	X2	CP096A	327	A
COMPASS	BX6	X1	COMPASS	5106	A
COMPASS	LX6	29	COMPASS	5107	A
COMPASS	PL	X6,PRT32	COMPASS	5108	A
COMPASS	BX7	X2	CPSA200	6	A
COMPASS	SA7	P2TEMP	CPSA200	7	A
COMPASS	SX6	A0	COMPASS	5109	I
-F4820					
COMPASS	MX0	60-21	COMPASS	5110	I
-F4820					
COMPASS	BX1	-X0*X1	COMPASS	5111	I
-F4820					
COMPASS	SA6	OCTAL+23	COMPASS	5112	I
-F4820					
COMPASS	MX4	57	COMPASS	5113	I
-F4820					
COMPASS	SX3	1R0	COMPASS	5114	I
-F4820					
COMPASS	SB7	6	COMPASS	5115	I
-F4820					
COMPASS PRT29	BX2	-X4*X1	COMPASS	5116	I
-CP096A	-F4820				
COMPASS	IX6	X2+X3	COMPASS	5117	I
-CP096A	-F4820				
COMPASS PRT29	BX7	-X4*X1	CP096A	328	I
-F4820					
COMPASS	IX6	X7+X3	CP096A	329	I
-F4820					
COMPASS	SB7	B7-B1	COMPASS	5118	I
-F4820					
0	1	2	3	4	5
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	AX1	3		COMPASS	5119	I	
1		-F4820						
2	COMPASS		SA6	A6-B1	COMPASS	5120	I	
3		-F4820						
4	COMPASS		ZR	X1,PRT30	IF END OF VALUE	COMPASS	5121	I
5		-F4820						
6	COMPASS		PL	B7,PRT29	LOOP	COMPASS	5122	I
7		-F4820						
8	COMPASS	PRT30	SA1	A1		COMPASS	5123	I
9		-CP096A	-F4820					
10	COMPASS	PRT30	RX1	X2		CP096A	330	I
11		-F4820						
12	COMPASS		MX0	-21	STORE 21-BIT DEFINITION	F4820	177	A
13	COMPASS		BX1	-X0*X1	CALL PACK0(VALUE,23,0)	F4820	178	A
14	COMPASS		SX2	23		F4820	179	I
15		-CPS0325						
16	COMPASS		SX2	25		CPS0325	6	A
17	COMPASS		MX3	0		F4820	180	A
18	COMPASS		RJ	PACK0		F4820	181	A
19	COMPASS		SA2	P2TEMP		CPSA200	8	A
20	COMPASS		RX1	X2		CPSA200	9	A
21	COMPASS		MX0	54		COMPASS	5124	A
22	COMPASS		BX2	X1		COMPASS	5125	A
23	COMPASS		LX2	28		COMPASS	5126	A
24	COMPASS		SX6	A0		COMPASS	5127	A
25	COMPASS		SA5	=9REEXTERNAL*		COMPASS	5128	A
26	COMPASS		NG	X2,PRT31	IF EXTERNAL	COMPASS	5129	A
27	COMPASS		LX2	59		COMPASS	5130	A
28	COMPASS		SA5	SYSTEXT		COMPASS	5131	I
29		-CMP27						
30	COMPASS		SA5	SYSNAME		CMP27	7	I
31		-CMP30						
32	COMPASS		NG	X2,PRT31	IF SYSTEXT	COMPASS	5132	I
33		-CMP30						
34	COMPASS		AX1	21	FIND RELOCATION	COMPASS	5133	I
35		-CMP30						
36	COMPASS		PL	X2,PRT30A	IF NOT SYSTEXT	CMP30	2231	A
37	COMPASS		MX3	-3		CMP30	2232	A
38	COMPASS		AX2	3		CMP30	2233	A
39	COMPASS		BX3	-X3*X2	EXTRACT SYSTEXT ORDINAL	CMP30	2234	A
40	COMPASS		SA2	CP.STEXT+X3		CMP30	2235	A
41	COMPASS		BX5	X0*X2	GET OVERLAY NAME	CMP30	2236	A
42	COMPASS		NZ	X5,PRT31		CMP30	2237	A
43	COMPASS		SA5	CP.LIB+X3	IF NONE, USE FILE NAME	CMP30	2238	A
44	COMPASS		EQ	PRT31		CMP30	2239	A
45	COMPASS	PRT30A	AX1	21	FIND RELOCATION	CMP30	2240	A
46	COMPASS		MX2	52		COMPASS	5134	A
47	COMPASS		BX3	-X2*X1		COMPASS	5135	A
48	COMPASS		LX1	51		COMPASS	5136	A
49	COMPASS	+	PL	X1,*+1		COMPASS	5137	A
50	COMPASS		SX6	1R-		COMPASS	5138	A
51	COMPASS		SX5	A0		COMPASS	5139	A

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123456789012345678901234567890123456789012345678901234567890

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	ZR	X3,PRT31	IF ABSOLUTE	COMPASS	5140	A
COMPASS	SA4	LLB		CMP30	2241	A
COMPASS	SA5	=9RLCMLOCAL*		CMP30	2242	A
COMPASS	SA2	0.USETAB		COMPASS	5141	A
COMPASS	SA1	UI		RSM4159	5	A
COMPASS	IX2	X2+X1	BASE ADDRESS OF BLOCK GROUP	RSM4159	6	A
COMPASS	LX3	24		COMPASS	5142	A
COMPASS	MX1	36		COMPASS	5143	I
-CMP30						
COMPASS	BX4	X4-X3		CMP30	2243	A
COMPASS	ZR	X4,PRT31	IF LCM LOCAL	CMP30	2244	A
COMPASS	MX1	-9		CMP30	2245	A
COMPASS	SA2	X2+2		COMPASS	5144	A
COMPASS	SA5	A2-2		COMPASS	5145	I
+						
-CMP30						
COMPASS	BX4	X1*X2		COMPASS	5146	I
-CMP30						
COMPASS	LX1	24		CMP30	2246	A
COMPASS	BX4	-X1*X2	SEARCH USE TABLE	CMP30	2247	A
+						
COMPASS	IX7	X4-X3		COMPASS	5147	A
COMPASS	SA2	A2+6		COMPASS	5148	I
-CMP30						
COMPASS	SA2	A2+4		CMP30	2248	A
COMPASS	NZ	X7,*-1		COMPASS	5149	A
COMPASS	SA5	A2-6	GET BLOCK NAME	CMP30	2249	A
COMPASS	SA6	OCTAL+27		COMPASS	5150	A
PRT31	MX3	6	LEFT JUSTIFY BLOCK NAME	COMPASS	5151	A
COMPASS	SX2	A0		COMPASS	5152	A
+						
COMPASS	NZ	X5,*+1		COMPASS	5153	A
COMPASS	SX5	2R//		COMPASS	5154	A
COMPASS	BX7	X5		COMPASS	5155	A
COMPASS	AX7	60		COMPASS	5156	A
COMPASS	BX5	X5-X7		COMPASS	5157	A
COMPASS	BX7	X3*X5		COMPASS	5158	A
+						
COMPASS	LX5	6		COMPASS	5159	A
COMPASS	ZR	X7,*		COMPASS	5160	A
COMPASS	BX6	-X0*X5		COMPASS	5161	A
+						
COMPASS	SA6	A6+B1		COMPASS	5162	A
COMPASS	LX5	6		COMPASS	5163	A
COMPASS	BX6	-X0*X5		COMPASS	5164	A
COMPASS	NZ	X6,*-1		COMPASS	5165	A
COMPASS	SA1	0.SYMTAB		CP096A	331	A
COMPASS	SX2	X1-1		CP096A	332	A
COMPASS	EQ	PRT33		COMPASS	5166	A
COMPASS				COMPASS	5167	A
COMPASS	PRT32	SX6	1RU	COMPASS	5168	A
COMPASS	SA6	OCTAL+2		COMPASS	5169	A
COMPASS	PRT33	SA1	A1	COMPASS	5170	I
-CP096A			SYMBOL EQUIVALENCE			
COMPASS	PRT33	RX1	X2	CP096A	333	A
COMPASS	AX1	42	SYMBOL EQUIVALENCE	COMPASS	5171	A
COMPASS	BX6	X1		COMPASS	5172	A

0 1 2 3 4 5 6 7 8  
123456789012345678901234567890123456789012345678901234567890

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS		MX7	0	CLEAR MEMORY TABLE	COMPASS	5173	I
COMPASS	-CMP042				COMPASS	5174	A
COMPASS		SA6	P2TEMP	CHAIN ADDRESS	COMPASS	5175	I
COMPASS		SA7	L.MEMORY				
COMPASS	-CMP042				COMPASS	5176	A
COMPASS	PRT34	SA5	P2TEMP		COMPASS	5177	A
COMPASS		SA2	0.REFTAB		COMPASS	5178	A
COMPASS		ZR	X5,PRT38	IF END OF CHAIN	COMPASS	5179	A
COMPASS		IX3	X2+X5		COMPASS	5180	A
COMPASS		SA1	X3-1		COMPASS	5181	A
COMPASS		LX7	X1	SET NEXT LINK	COMPASS	5182	A
COMPASS		AX7	42		COMPASS	5183	A
COMPASS		SA7	A5		COMPASS	5184	A
COMPASS		ZR	X7,PRT35	IF END OF CHAIN	COMPASS	5185	A
COMPASS		IX3	X2+X7	READ NEXT ENTRY	COMPASS	5186	A
COMPASS		SA3	X3-1		COMPASS	5187	A
COMPASS		BX6	X3-X1	COMPARE ENTRIES	COMPASS	5188	A
COMPASS		MX0	18		COMPASS	5189	A
COMPASS		BX6	-X0*X6		COMPASS	5190	A
COMPASS		ZR	X6,PRT34	IF IDENTICAL ENTRIES	COMPASS	5191	A
COMPASS	PRT35	SA2	XR		COMPASS	5192	A
COMPASS		ZR	X2,PRT36	IF ONLY ADDRESS TO XREF	COMPASS	5193	A
COMPASS		BX7	X1		COMPASS	5194	A
COMPASS		SA7	A5+B1	SAVE ENTRY (P2TEMPA)	COMPASS	5195	A
COMPASS		RJ	CONREF	CONVERT PAGE/LINE	COMPASS	5196	A
COMPASS		ADDWORD	MEMORY		COMPASS	5197	A
COMPASS		SA2	XR		COMPASS	5198	A
COMPASS		NG	X2,PRT34	IF ONLY PAGE/LINE	COMPASS	5199	A
COMPASS		SA1	P2TEMPA		COMPASS	5200	A
COMPASS		EQ	PRT37	MAKE ADDRESS XREF ENTRY	COMPASS	5201	A
COMPASS	PRT36	MX0	54		COMPASS	5202	A
COMPASS		BX3	-X0*X1		COMPASS	5203	A
COMPASS		SX2	X3-1RL		COMPASS	5204	A
COMPASS		ZR	X2,PRT34	IF DEFINING ENTRY, LOOP	COMPASS	5205	A
COMPASS	PRT37	RJ	CONADD	CONVERT ADDRESS	COMPASS	5206	A
COMPASS		ADDWORD	MEMORY		COMPASS	5207	A
COMPASS		EQ	PRT34	LOOP	COMPASS	5208	A
COMPASS					COMPASS	5209	A
COMPASS	PRT38	SA1	L.MEMORY	PRINT TABLE OF ENTRIES	COMPASS	5210	A
COMPASS		NZ	X1,PRT39	IF ENTRIES IN TABLE	COMPASS	5211	A
COMPASS		RJ	LISTL		COMPASS	5212	A
COMPASS		EQ	PRT23	LOOP	COMPASS	5213	A
COMPASS					COMPASS	5214	A
COMPASS	*			LIST TABLE OF REFERENCES.	COMPASS	5215	A
COMPASS					COMPASS	5216	A
COMPASS	PRT39	SX6	X1+7	CALCULATE NUMBER OF ROWS	COMPASS	5217	A
COMPASS		AX6	3		COMPASS	5218	A
COMPASS		SA6	P2TEMP	NROWS	COMPASS	5219	A
COMPASS		SA6	A6+B1	INCREMENT	COMPASS	5220	A
COMPASS		MX7	0		COMPASS	5221	A
COMPASS		SA7	A6+B1	INDEX	COMPASS	5222	A

0 1 2 3 4 5 6 7 8  
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	SA1	LPCNT	CHECK IF ROOM ON PAGE	COMPASS	5223	A	
1	COMPASS	IX2	X1+X6		COMPASS	5224	A	1
2	COMPASS	SX1	X2-PAGESIZ		COMPASS	5225	I	2
3	-F4810A							3
4	COMPASS	NG	X1,PRT40	IF ROOM	COMPASS	5226	I	4
5	-F4810A							5
6	COMPASS	SX6	PAGESIZ+5	FORCE EJECT	COMPASS	5227	I	6
7	-F4810A							7
8	COMPASS	SA3	CP.PS	PAGE SIZE	F4810A	F4810A	182	A
9	COMPASS	IX1	X2-X3		F4810A	F4810A	183	A
10	COMPASS	NG	X1,PRT40	IF ROOM ON PAGE	F4810A	F4810A	184	A
11	COMPASS	SX6	X3+5	ELSE, FORCE EJECT	F4810A	F4810A	185	A
12	COMPASS	SA6	A1		COMPASS	5228	A	12
13	COMPASS				COMPASS	5229	A	13
14	COMPASS	PRT40	SA1	P2TEMP	COMPASS	5230	A	14
15	COMPASS	SX6	X1-1	DECREMENT ROW COUNT	COMPASS	5231	A	15
16	COMPASS	ZR	X1,PRT23	IF END OF TABLE	COMPASS	5232	I	16
17	-CMP042							17
18	COMPASS	ZR	X1,PRT44	IF END OF TABLE	CMP042	111	A	18
19	COMPASS	SA6	A1		COMPASS	5233	A	19
20	COMPASS	SA2	A1+B1		COMPASS	5234	A	20
21	COMPASS	SA3	A2+B1		COMPASS	5235	A	21
22	COMPASS	SX6	X3+B1	INCREMENT INDEX	COMPASS	5236	A	22
23	COMPASS	SA4	O.MEMORY		COMPASS	5237	A	23
24	COMPASS	SA5	L.MEMORY		COMPASS	5238	A	24
25	COMPASS	SA6	A3		COMPASS	5239	A	25
26	COMPASS	SB6	X4	TABLE ADDRESS	COMPASS	5240	A	26
27	COMPASS	SB7	X5+B6	TABLE END	COMPASS	5241	A	27
28	COMPASS	SB5	X2	INCREMENT	COMPASS	5242	A	28
29	COMPASS	SB6	X3+B6	ENTRY ADDRESS	COMPASS	5243	A	29
30	COMPASS	SB4	B0	LINE INDEX	COMPASS	5244	A	30
31	COMPASS	SA1	XR		COMPASS	5245	A	31
32	COMPASS	SB3	X1		COMPASS	5246	A	32
33	COMPASS	SX6	X6+B1	INCREMENT INDEX	COMPASS	5247	A	33
34	COMPASS	NE	B3,B1,PRT42	IF NOT BOTH	COMPASS	5248	A	34
35	COMPASS	SA6	A6		COMPASS	5249	A	35
36	COMPASS	SB5	B5+B5		COMPASS	5250	A	36
37	COMPASS	PRT41	SA1	B6	COMPASS	5251	A	37
38	COMPASS	SA2	B6+B1	READ ENTRIES	COMPASS	5252	A	38
39	COMPASS	BX6	X1		COMPASS	5253	A	39
40	COMPASS	LX7	X2		COMPASS	5254	A	40
41	COMPASS	SA6	LINE+B4		COMPASS	5255	A	41
42	COMPASS	SA7	A6+B1		COMPASS	5256	A	42
43	COMPASS	SB6	B6+B5		COMPASS	5257	A	43
44	COMPASS	SB4	B4+2		COMPASS	5258	A	44
45	COMPASS	LT	B6,B7,PRT41	LOOP	COMPASS	5259	A	45
46	COMPASS	SX6	A7+B1		COMPASS	5260	A	46
47	COMPASS	EQ	PRT43		COMPASS	5261	A	47
48	COMPASS	PRT42	SA1	B6	COMPASS	5262	A	48
49	COMPASS	BX6	X1	READ ENTRY	COMPASS	5263	A	49
50	COMPASS	SA6	LINE+B4		COMPASS	5264	A	50
51	COMPASS	SB6	B6+B5		COMPASS	5265	A	51

0 1 2 3 4 5 6 7 8  
123456789012345678901234567890123456789012345678901234567890

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SB4	B4+B1	COMPASS	5266	A
COMPASS	LT	B6,B7,PRT42 LOOP	COMPASS	5267	A
COMPASS	SX6	A6+B1	COMPASS	5268	A
COMPASS PRT43	SA6	LLINE	COMPASS	5269	A
COMPASS	RJ	LISTL LIST LINE	COMPASS	5270	A
COMPASS	EQ	PRT40 LOOP FOR NEXT LINE	COMPASS	5271	A
COMPASS PRT44	SA1	LOSTREF	CMP042	112	A
COMPASS	SA2	L.MEMORY	CMP042	113	A
COMPASS	ZR	X1,PRT23 IF NO LOST REFERENCES	CMP042	114	A
COMPASS	IX6	X1+X2	CMP042	115	A
COMPASS	SA6	A2	CMP042	116	A
COMPASS	RJ	ASU ACCUMULATE STORAGE USED	CMP042	117	A
COMPASS	EQ	PRT23	CMP042	118	A
COMPASS			COMPASS	5272	I
COMPASS -CPS064					
COMPASS	QUAL		COMPASS	5273	I
COMPASS -CPS064					
COMPASS PRTA	DATA	0 OVERFLOW TO DISK FLAG	COMPASS	5274	I
COMPASS -CPS064					
COMPASS CBUF	BSS	0 END OF NON-OVERLAID AREA	COMPASS	5275	I
COMPASS -CPS064					
COMPASS TBUF	BSS	0 ALTERNATE CROSS-REFERENCE TABLE BUFFER	COMPASS	5276	I
COMPASS -CPS064					
COMPASS PRTB	EQU	TBUF+RBUFL END OF REFERENCE TABLE PROCESSOR	COMPASS	5277	I
COMPASS -CPS064					
COMPASS COMPASS	TITLE	COMPASS MAIN BATCH CONTROL.	CMP30	2250	A
COMPASS **	COMPASS	- MAIN CONTROL.	CMP30	2251	I
COMPASS -CPSA097					
COMPASS *	COMPASS	- MAIN CONTROL	CPSA097	7	A
COMPASS			CMP30	2252	A
COMPASS			CMP30	2253	A
COMPASS	USE	CONTROL	CMP30	2254	A
COMPASS	SEG	CONTROL.	CMP30	2255	A
COMPASS	QUAL		CPS064	152	A
COMPASS COMPASS	SB1	1 (B1) = CONSTANT 1	CMP30	2256	I
COMPASS -CP139CP					
COMPASS CMP	SB1	1 (B1) = CONSTANT 1	CP139CP	158	A
COMPASS	EQ	PASS0 INITIALIZE COMPASS	CMP30	2257	A
COMPASS CMP1	EQ	/PASS1/PASS1 EXECUTE PASS1	CMP30	2258	I
COMPASS -CPSA141					
COMPASS CMP1	SX6	B1 SET INPUT PRESENCE FLAG	CPSA141	6	A
COMPASS	SA6	INPRES	CPSA141	7	A
COMPASS	EQ	/PASS1/PASS1 EXECUTE PASS1	CPSA141	8	A
COMPASS EXITP1	EQ	/PASS2/PASS2 EXECUTE PASS2	CMP30	2259	A
COMPASS EXITP2	RJ	ATS ACCUMULATE TOTAL STORAGE USED	CMP30	2260	A
COMPASS	RJ	DFL DECREASE FL	CPSA125	53	A
COMPASS	SA1	ERCNT	CMP30	2261	A
COMPASS	SA2	CP.ERRCT	CMP30	2262	A
COMPASS	IX6	X1+X2 ACCUMULATE ERROR COUNT	CMP30	2263	A
COMPASS	SA6	A2	CMP30	2264	A
COMPASS			CMP30	2265	A
COMPASS *		TEST FOR END OF ASSEMBLY BATCH.	CMP30	2266	A

0 1 2 3 4 5 6 7 8  
123456789012345678901234567890123456789012345678901234567890

LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS					CMP30	2267	A	
1	COMPASS	SA1	EOFINP			CMP30	2268	A	
2	COMPASS	SA2	CP.BATCH			CMP30	2269	A	
3	COMPASS	NZ	X1,CMP2	IF END OF SOURCE INPUT		CMP30	2270	A	
4	COMPASS	LX2	59-11			CP139CP	159	A	
5	COMPASS	PL	X2,CMP1	IF NOT CALLED BY A COMPILER		CMP30	2271	A	
6	COMPASS	SA1	CP.CARD			CMP30	2272	A	
7	COMPASS	SA2	=1H			CMP30	2273	A	
8	COMPASS	SA3	A1+B1	CHECK FOR *IDENT*		CMP30	2274	A	
9	COMPASS	MX0	36			CMP30	2275	A	
10	COMPASS	SA4	=6LIDENT			CMP30	2276	A	
11	COMPASS	IX6	X1-X2			CMP30	2277	A	
12	COMPASS	BX7	X0*X3			CMP30	2278	A	
13	COMPASS	NZ	X6,CMP3	IF COLUMNS 1-10 NOT ALL BLANKS		CMP30	2279		I
14	COMPASS	-CPSA138							
15	COMPASS	NZ	X6,CMP1A	IF COLUMNS 1-10 NOT ALL BLANKS		CPSA138	5	A	
16	COMPASS	BX7	X7-X4			CMP30	2280	A	
17	COMPASS	NZ	X7,CMP3	IF COLUMNS 11-16 NOT *IDENT *		CMP30	2281		I
18	COMPASS	-CPSA138							
19	COMPASS	NZ	X7,CMP1A	IF COLUMNS 11-16 NOT *IDENT*		CPSA138	6	A	
20	COMPASS	EQ	CMP1			CPSA138	7	A	
21	COMPASS					CPSA138	8	A	
22	COMPASS	CMP1A	SA1	CP.LISTF		CPSA138	9	A	
23	COMPASS	ZR	X1,CMP3	IF NO LISTING		CPSA138	10	A	
24	COMPASS					CPSA138	11	A	
25	COMPASS	RM	IFEQ	CP#RM,0		CPSA138	12	A	
26	COMPASS	SA1	LASTLIN			CPSA138	13		I
27	COMPASS	-CPS236							
28	COMPASS		WRITEH 0,A1,1	SET PRINT DENSITY TO 6 LPI		CPSA138	14		I
29	COMPASS	-CPS236							
30	COMPASS		WEOR 0			CPSA138	15	A	
31	COMPASS		CHECK 0			CPS0338	8	A	
32	COMPASS		EQ CMP3			CPSA138	16	A	
33	COMPASS					CPSA138	17	A	
34	COMPASS	RM	ELSE 3			CPSA138	18		I
35	COMPASS	-CPS0338							
36	COMPASS	RM	ELSE			CPS0338	9	A	
37	COMPASS		PUT 0, LASTLIN, 10	SET PRINT DENSITY TO 6 LPI		CPSA138	19		I
38	COMPASS	-CPS236							
39	COMPASS		WEOR 0			CPSA138	20	A	
40	COMPASS		CHECK 0			CPS0338	10	A	
41	COMPASS		EQ CMP3			CPSA138	21	A	
42	COMPASS	RM	ENDIF			CPS0338	11	A	
43	COMPASS					CPSA138	22	A	
44	COMPASS		EQ CMP1			CMP30	2282		I
45	COMPASS	-CPSA168							
46	COMPASS	CMP2	MX6 0	SIGNAL END OF SOURCE INPUT		CMP30	2283	A	
47	COMPASS		SA2 CP.BATCH			CPSA168	11	A	
48	COMPASS		SA6 CP.CARD			CMP30	2284	A	
49	COMPASS		MX7 1			CP139CP	160	A	
50	COMPASS		LX2 59-11			CPSA168	12	A	
51	COMPASS		SA7 CP.IFORM			CP139CP	161	A	

[illegible]

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	MI	X2,CMP1A	IF CALLED BY FTN, DONT CLOSE EVERYTHING.				CPSA168	13	A	
COMPASS							CMP30	2285	A	
COMPASS	IFNE	CP#RM,0,1					CMP30	2286	A	
COMPASS	CLOSEM	I,N	CLOSE INPUT FILE				CMP30	2287	A	
COMPASS							CMP30	2288	A	
COMPASS	SA1	CP.LISTF					CMP30	2289	A	
COMPASS	ZR	X1,CMP3	IF NO LISTING				CMP30	2290	A	
COMPASS	RM	IFEQ	CP#RM,0			F4810A	F4810A	186	A	
COMPASS	SA1	LASTLIN	CHECK IF PRINT DENSITY RESET				F4810A	F4810A	187	I
-CPS236										
COMPASS	SA1	FRSTLIN	CHECK IF PRINT DENSITY WAS CHANGED				CPS236	47	A	
COMPASS	ZR	X1,CMP2A	IF PRINT DENSITY=DEFAULT				F4810A	F4810A	188	I
-CPSA117										
COMPASS	ZR	X1,CMP2B	IF PRINT DENSITY=DEFAULT				CPSA117	5	A	
COMPASS	SA1	LASTLIN					CPS236	48	A	
COMPASS	ZR	X1,CMP2B	IF PRINT DENSITY AT DEFAULT				CPSA265	53	A	
COMPASS	WRITEH	O,A1,1	ELSE RESTORE PRINT DENSITY TO DEFAULT				F4810A	F4810A	189	A
COMPASS	CMP2A	BSS	0			F4810A	F4810A	190	I	
-CPSA117										
COMPASS	CMP2B	BSS	0				CPSA117	6	A	
COMPASS	WEOR	0					CMP30	2291	A	
COMPASS							CMP30	2292	A	
COMPASS	IFNE	CP#RM,0,1					CMP30	2293	I	
-F4810A										
COMPASS	RM	ELSE				F4810A	F4810A	191	A	
COMPASS	SA1	LASTLIN	CHECK IF PRINT DENSITY WAS CHANGED				F4810A	F4810A	192	I
-CPS236										
COMPASS	SA1	FRSTLIN					CPS236	49	A	
COMPASS	ZR	X1,CMP2A	IF PRINT DENSITY=DEFAULT				F4810A	F4810A	193	A
COMPASS	SA1	LASTLIN					CPSA265	54	A	
COMPASS	ZR	X1,CMP2A	IF PRINT DENSITY AT DEFAULT				CPSA265	55	A	
COMPASS	PUT	O,LASTLIN,10	ELSE,RESTORE PRINT DENSITY TO DEFAULT				F4810A	F4810A	194	A
COMPASS	CMP2A	BSS	0			F4810A	F4810A	195	A	
COMPASS	CLOSEM	O,N	CLOSE OUTPUT FILE				CMP30	2294	A	
COMPASS	RM	ENDIF				F4810A	F4810A	196	A	
COMPASS							CMP30	2295	A	
COMPASS	CHECK	0					CMP30	2296	A	
COMPASS	CMP3	SA1	CP.PAGE				CMP30	2297	A	
COMPASS	MI	X1,CMP4	IF NOT PROPAGATING PAGE NUMBERING				CMP30	2298	A	
COMPASS	SA2	PGCNT					CMP30	2299	A	
COMPASS	BX6	X2	UPDATE COMMUNICATION WORD				CMP30	2300	A	
COMPASS	SA6	A1					CMP30	2301	A	
COMPASS							CMP30	2302	A	
COMPASS	*	CLOSE FILES.					CMP30	2303	A	
COMPASS							CMP30	2304	A	
COMPASS	RM	IFEQ	CP#RM,0				CMP30	2305	A	
COMPASS							CMP30	2306	A	
COMPASS	CMP4	SA1	S+1				CMP30	2307	A	
COMPASS	PL	X1,CMP4A	IF SCRATCH IS MASS STORAGE				CMP30	2308	A	
COMPASS	REWIND	S					CMP30	2309	A	
COMPASS	EQ	CMP5					CMP30	2310	A	
COMPASS	CMP4A	RETURN	S				CMP30	2311	A	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	CMP5	SA1	R+1			CMP30	2312	A
COMPASS		PL	X1,CMP5A	IF REFERENCE IS MASS STORAGE		CMP30	2313	A
COMPASS		REWIND	R			CMP30	2314	A
COMPASS		EQ	CMP6			CMP30	2315	A
COMPASS	CMP5A	RETURN	R			CMP30	2316	A
COMPASS	CMP6	SA1	E			CMP30	2317	A
COMPASS		ZR	X1,CMP7	IF NO ERROR FILE		CMP30	2318	I
	-CPS009							
COMPASS		SA2	E+2	CHECK ERROR LISTING FILE		CPS009	1	A
COMPASS		SA3	A2+B1			CPS009	2	A
COMPASS		LX1	59-3			CPS009	3	A
COMPASS		IX4	X2-X3			CPS009	4	A
COMPASS	+	MI	X1,*+1	IF ANYTHING WAS WRITTEN		CPS009	5	A
COMPASS		ZR	X4,CMP7	IF BUFFER EMPTY		CPS009	6	A
COMPASS	CMP6AA	SA1	LASTLIN		F4810A	F4810A	197	I
	-CPS236							
COMPASS		ZR	X1,CMP6A	IF PRINT DENSITY=DEFAULT	F4810A	F4810A	198	I
	-CPS236							
COMPASS		SA1	FRSTLIN			CPS236	50	A
COMPASS		ZR	X1,CMP6A	IF PRINT DENSITY IS NOT 8 LPI		CPS236	51	A
COMPASS		SA1	LASTLIN			CPS236	52	A
COMPASS		ZR	X1,CMP6A	IF PRINT DENSITY AT DEFAULT		CPSA265	56	A
COMPASS		WRITEH	E,A1,1	RESTORE PRINT DENSITY TO DEFAULT	F4810A	F4810A	199	A
COMPASS	CMP6A	BSS	0		F4810A	F4810A	200	A
COMPASS		WRITER	E,RECALL			CMP30	2319	A
COMPASS	CMP7	RECALL	B	WAIT FOR BINARY OUTPUT COMPLETE		CMP30	2320	A
COMPASS		RECALL	S			CPS110	5	A
COMPASS		RECALL	R			CPS110	6	A
COMPASS						CMP30	2321	A
COMPASS	RM	ELSE				CMP30	2322	A
COMPASS						CMP30	2323	A
COMPASS	CMP4	FETCH	S,OC,X1			CMP30	2324	A
COMPASS		SX6	X1-#YES#			CMP30	2325	A
COMPASS		NZ	X6,CMP5	IF SCRATCH FILE NOT OPEN		CMP30	2326	A
COMPASS		SA1	SCR+1			CMP30	2327	A
COMPASS		PL	X1,CMP4A	IF SCRATCH IS MASS STORAGE		CMP30	2328	A
COMPASS		CLOSEM	S,R			CMP30	2329	A
COMPASS		EQ	CMP5			CMP30	2330	A
COMPASS	CMP4A	CLOSEM	S,U			CMP30	2331	A
COMPASS	CMP5	FETCH	R,OC,X1			CMP30	2332	A
COMPASS		SX6	X1-#YES#			CMP30	2333	A
COMPASS		NZ	X6,CMP6	IF REFERENCE FILE NOT OPEN		CMP30	2334	A
COMPASS		SA1	REF+1			CMP30	2335	A
COMPASS		PL	X1,CMP5A	IF REFERENCE IS MASS STORAGE		CMP30	2336	A
COMPASS		CLOSEM	R,R			CMP30	2337	A
COMPASS		EQ	CMP6			CMP30	2338	A
COMPASS	CMP5A	CLOSEM	R,U			CMP30	2339	A
COMPASS	CMP6	SA1	E			CMP30	2340	A
COMPASS		ZR	X1,CMP7	IF NO ERROR FILE		CMP30	2341	A
COMPASS		SA1	CP.BATCH			CPSA168	14	A
COMPASS		LX1	59-11			CPSA168	15	A
COMPASS		MI	X1,CMP7	IF CALLED BY FTN, DONT CLOSE E FILE.		CPSA168	16	A

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## 1412THE

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS028

1	COMPASS						CMP30	2375	I	1
2		-CPS028								2
3	COMPASS	OLDIR	ENDIF				CMP30	2376	I	3
4		-CPS028								4
5	COMPASS						CMP30	2377	A	5
6	COMPASS		RJ	RCS	RESTORE COMPILER SPACE IF NECESSARY	F4810B	F4810B	163	A	6
7	COMPASS		EQ	CP.STOP	EXIT TO (0,0) OVERLAY		CMP30	2378	A	7
8	COMPASS		TITLE	COMPASS	INITIALIZATION - OVERLAYED CODE.		CPS064	153	A	8
9	COMPASS	PASS0	SPACE	4,8			CPS064	154	A	9
10	COMPASS	**	PASS0	- INITIALIZE COMPASS.			CPS064	155	A	10
11	COMPASS						CPS064	156	A	11
12	COMPASS						CPS064	157	A	12
13	COMPASS		USE	PASS0			CPS064	158	A	13
14	COMPASS		SEG	INITIALIZATION.			CPS064	159	A	14
15	COMPASS	PASS0	RJ	CTM	CHECK MACHINE TYPE		CPS064	160	A	15
16	COMPASS		RJ	SMP	SET MEMORY PARAMETERS	F4810B	F4810B	164	A	16
17	COMPASS		RJ	SCS	SAVE COMPILER SPACE IF NECESSARY	F4810B	F4810B	165	A	17
18	COMPASS		TIME	BTIME	GET ASSEMBLY BATCH START TIME		CPS064	161	A	18
19	COMPASS		SA1	CP.BATCH			CPS064	162	A	19
20	COMPASS		SA2	CP.PAGE			CPS064	163	A	20
21	COMPASS		LX1	59-11			CP139CP	162	A	21
22	COMPASS		BX3	X1	SET FMODE = ABS (CP.BATCH)		CPS064	164	A	22
23	COMPASS		AX1	59			CPS064	165	A	23
24	COMPASS		AX3	59-11			CP139CP	163	A	24
25	COMPASS		BX6	X3-X1			CPS064	166	A	25
26	COMPASS		SX7	B0			CPS064	167	A	26
27	COMPASS		MI	X2,CMP8	IF NOT PROPAGATING PAGE NUMBERS		CPS064	168	A	27
28	COMPASS		SA3	CP.EPAG			CPSA142	55	A	28
29	COMPASS		SX7	X3			CPSA142	56	A	29
30	COMPASS		PL	X3,CMP7C	IF ERROR PAGE PROPAGATION FLAG ALREADY SET		CPSA142	57	A	30
31	COMPASS		SX7	B0			CPSA142	58	A	31
32	COMPASS		SA7	A3	ELSE SET ERROR PAGE PROPAGATION FLAG		CPSA142	59	A	32
33	COMPASS	CMP7C	SA7	EPCNT	INITIALIZE ERROR FILE PAGE COUNT		CPSA142	60	A	33
34	COMPASS		BX7	X2	SET PAGE NUMBER		CPS064	169	A	34
35	COMPASS	CMP8	SA6	FMODE			CPS064	170	A	35
36	COMPASS		SA7	PGCNT			CPS064	171	A	36
37	COMPASS		RJ	SFP	SET FILE PARAMETERS		CPS064	172	A	37
38	COMPASS		RJ	SFL	SET FIELD LENGTH		CPS064	173	A	38
39	COMPASS		RJ	ZLC	ZERO FIRST 100B OF LCM FIELD LENGTH IF ANY		CPS064	174	A	39
40	COMPASS		RJ	SPF	SET PRINTER FLAGS	F4810A	F4810A	211	A	40
41	COMPASS						CPS064	175	A	41
42	COMPASS	DEBUG	IFNE	DEBUG,0			CPS064	176	A	42
43	COMPASS		RJ	/DEBUG/RDD	READ DEBUGGING DIRECTIVES		CPS064	177	A	43
44	COMPASS		SA2	LOCORE			CPS064	178	A	44
45	COMPASS		SA3	CP.NFLS	CLEAR MANAGED TABLE AREA		CPS064	179	A	45
46	COMPASS		RJ	CLS			CPS064	180	A	46
47	COMPASS	DEBUG	ENDIF				CPS064	181	A	47
48	COMPASS						CPS064	182	A	48
49	COMPASS		SA1	CP.CARD			CPS064	183	A	49
50	COMPASS		NZ	X1,CMP9	IF SOURCE CARD READY		CPS064	184	A	50
51	COMPASS		MI	X1,CMP9			CPS064	185	A	51

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS					CPS064	186	A
COMPASS	RM	IFEQ	CP#RM,0		CPS064	187	A
COMPASS		READ	I	PRIME THE PUMP	CPS064	188	A
COMPASS	RM	ELSE			CPS064	189	A
COMPASS		OPENM	I,INPUT,N		CPS064	190	A
COMPASS		FETCH	I,RT,X1	CHECK RECORD TYPE	CPSA229	6	A
COMPASS		ZR	X1,CMP8.5	W TYPE OK	CPSA229	7	A
COMPASS		SB7	X1-1		CPSA229	8	A
COMPASS		ZR	B7,CMP8.5	F TYPE OK	CPSA229	9	A
COMPASS		SB7	B7-2		CPSA229	10	A
COMPASS		ZR	B7,CMP8.5	Z TYPE OK	CPSA229	11	A
COMPASS		MESSAGE	CMPB,,R	ANYTHING ELSE IS AN ERROR	CPSA229	12	A
COMPASS		ABORT	,NODUMP		CPSA229	13	A
COMPASS	CMP8.5	BSS	0		CPSA229	14	A
COMPASS		SA1	CP.LISTF		CPS064	191	A
COMPASS		ZR	X1,CMP9	IF NO LONG LISTING	CPS064	192	A
COMPASS		OPENM	0,OUTPUT,N		CPS064	193	I
	-CPSA119						
COMPASS		OPENM	0,I-0,N		CPSA119	5	A
COMPASS	RM	ENDIF			CPS064	194	A
COMPASS					CPS064	195	A
COMPASS	CMP9	RJ	IOT	INITIALIZE OPCODE TABLE	CPS064	196	A
COMPASS		RJ	LST	LOAD SYSTEM TEXT	CPS064	197	A
COMPASS		RJ	OPF	OPEN FILES	CPS064	198	A
COMPASS					CPS064	199	A
COMPASS	OVL	IFNE	OVERLAY,0		CPS064	200	A
COMPASS		SA1	OVLA	LOAD SECONDARY OVERLAY	CPS064	201	A
COMPASS		SA2	A1+B1		CPS064	202	A
COMPASS		RJ	OVL		CPS064	203	A
COMPASS	OVL	ENDIF			CPS064	204	A
COMPASS					CPS064	205	A
COMPASS		SA1	CP.CARD		CPS064	206	A
COMPASS		SX2	I		CPS064	207	A
COMPASS		NZ	X1,CMP1	IF SOURCE CARD READY	CPS064	208	A
COMPASS		MI	X1,CMP1		CPS064	209	A
COMPASS		SA0	A1		CPS064	210	A
COMPASS		RJ	CIF	CHECK INPUT FORMAT	CPS064	211	A
COMPASS		SA1	EOFINP		CPS064	212	A
COMPASS		ZR	X1,CMP1	IF INPUT PRESENT	CPS064	213	A
COMPASS		MESSAGE	CMPA,,R		CPS064	214	A
COMPASS		EQ	CMP1	EXIT TO PASS1 OF FIRST ASSEMBLY	CPS064	215	I
	-CPSA141						
COMPASS		SX6	B1	SET ERR FLAG	CPSA141	9	A
COMPASS		SA6	ERCNT		CPSA141	10	A
COMPASS		EQ	EXITP2	QUIT	CPSA141	11	A
COMPASS	INPRES	DATA	0	INPUT PRESENCE FLAG	CPSA141	12	A
COMPASS					CPS064	216	A
COMPASS	CMPA	DATA	C* INPUT FILE EMPTY OR MISPOSITIONED.*		CPS064	217	A
COMPASS	CMPB	DATA	C* INPUT FILE RECORD TYPE NOT ALLOWED.*		CPSA229	15	A
COMPASS	PRTA	SPACE	4,8		CPS064	218	A
COMPASS	**		WHEN THE CROSS-REFERENCE TABLE HAS OVERFLOWED, THE		CPS064	219	A
COMPASS	*		FOLLOWING SPACE IS USED AS WORKING STORAGE DURING		CPS064	220	A

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*      PRINTING OF THE CROSS-REFERENCE TABLE, AND THEN THE
*      SECONDARY OVERLAY IS RELOADED.  SEE SUBROUTINE *PRT*.
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	LX3	12						CPS064	236	I
-S3143CP										
COMPASS	LX3	4*6-MODSH						S3143CP	15	A
COMPASS	IX7	X1+X3						CPS064	237	I
-CPS240										
COMPASS	BX7	X1						CPS240	13	A
COMPASS	LX6	48						CPS064	238	I
-S3143CP										
COMPASS	LX6	-MODSH						S3143CP	16	A
COMPASS	SA7	TLINE						CPS064	239	A
COMPASS	SA6	CP.CPU						CPS064	240	A
COMPASS								CPS064	241	A
COMPASS	CTM	PS	RETURN EXIT					CPS064	242	A
COMPASS	MX1	1						CPS064	243	A
COMPASS	SB2	100B						CPS064	244	A
COMPASS	AX1	X1,B2	-0 IF MODEL 76, +0 OTHERWISE					CPS064	245	A
COMPASS	SX3	6						CPS064	246	A
COMPASS	MI	X1,CTM1	IF MODEL 76					CPS064	247	A
COMPASS								CPS064	248	A
COMPASS	SX6	0220B	JP B2					CPS064	249	A
COMPASS	SB2	CTM1						CPS064	250	A
COMPASS	LX6	48						CPS064	251	A
COMPASS								CPS064	252	A
COMPASS	+	SA6	**+1	STORE JUMP INSTRUCTION				CPS064	253	I
-CPSA274										
COMPASS	BX1	X6	FORM +	JP	B2			CPSA274	12	A
COMPASS	LX1	30	-	JP	B2			CPSA274	13	A
COMPASS	BX6	X1+X6						CPSA274	14	A
COMPASS	+	SA6	**+1	STORE *JP B2* (BOTH UPPER AND LOWER)				CPSA274	15	A
COMPASS	SX3	3						CPS064	254	A
COMPASS								CPS064	255	A
COMPASS	+	SX3	4	JUMP TO CTM1 IF MODEL 72 OR 73				CPS064	256	A
COMPASS	JP	CTM1	EXECUTE IF MODEL 74					CPS064	257	A
COMPASS								CPS064	258	A
COMPASS	CTMA	DATA	H*MODEL 70 A*					CPS064	259	I
-S3143CP										
COMPASS	CTMA	DATA	H*MODEL "MOD" ASSEMBLY*					S3143CP	17	I
-CPS240										
COMPASS	CTMA76	DATA	H*7600-TYPE *					CPS240	14	A
COMPASS	CTMAP	DATA	H* PARALLEL *					CPS240	15	A
COMPASS	CTMAS	DATA	H* SERIAL *					CPS240	16	A
COMPASS	IOT	SPACE	4					CPS064	260	A
COMPASS	**	IOT -	INITIALIZE OPCODE TABLE.					CPS064	261	A
COMPASS								CPS064	262	A
COMPASS								CPS064	263	A
COMPASS	IOT	PS	RETURN EXIT					CPS064	264	A
COMPASS	MANAGE	OPTAB,2*NOPCT	ALLOCATE BASIC TABLE AREA					CPS064	265	A
COMPASS	IX3	X2+X3						CPS064	266	A
COMPASS	RJ	CLS	CLEAR IT					CPS064	267	A
COMPASS	SX6	LGOPS-2						CPS064	268	A
COMPASS	SA3	EXVAL						CPS064	269	A
COMPASS	IOT1	SA1	OPS+X6	GET NEXT ENTRY				CPS064	270	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA2	A1+B1		CPS064	271	A
COMPASS	SA6	A3		CPS064	272	A
COMPASS	RJ	ENTOP	ENTER OPCODE TABLE	CPS064	273	A
COMPASS	SA3	EXVAL		CPS064	274	A
COMPASS	SX6	X3-2		CPS064	275	A
COMPASS	PL	X6,IOT1	LOOP	CPS064	276	A
COMPASS	EQ	IOT	RETURN	CPS064	277	A
COMPASS LGT	SPACE	4		CPS064	278	A
COMPASS **	LGT -	LOAD SYSTEM TEXT FROM A NON-LIBRARY FILE.		CPS064	279	A
COMPASS *	ENTRY	(X7) = SYSTEM TEXT ORDINAL.		CPS064	280	A
COMPASS *		(X1) = OVERLAY NAME.		CPS064	281	A
COMPASS *		(X2) = BITS 17-00 OF (X1).		CPS064	282	A
COMPASS *	EXIT	(X0) = 0 IF TEXT LOADED.		CPS064	283	A
COMPASS				CPS064	284	A
COMPASS				CPS064	285	A
COMPASS LGT	PS	RETURN EXIT		CPS064	286	A
COMPASS				CPS064	287	A
COMPASS RM	IFEQ	CP#RM,0		CPS064	288	A
COMPASS				CPS064	289	A
COMPASS	SA3	CP.LIB+X7		CPS064	290	A
COMPASS	SX4	3		CPS064	291	A
COMPASS	BX6	X1-X2		CPS064	292	A
COMPASS	IX7	X3+X4		CPS064	293	A
COMPASS	SA6	EXVAL	SAVE OVERLAY NAME	CPS064	294	A
COMPASS	SA7	G	STORE FILE NAME IN FET	CPS064	295	A
COMPASS	REWIND	G		CPS064	296	A
COMPASS	RJ	MTD	MOVE TABLES DOWN TO GET ROOM	CPS064	297	A
COMPASS	SA1	O.MEMORY		CPS064	298	A
COMPASS	SA2	O.ENDTAB		CPS064	299	A
COMPASS	SX0	X1	PRESET FAILURE RETURN	CPS064	300	A
COMPASS	IX6	X2-X1		CPS064	301	A
COMPASS	SA0	X6	AVAILABLE MEMORY	CPS064	302	A
COMPASS LGT1	READ	G		CPS064	303	A
COMPASS LGT2	READW	G,X0,1	READ 7700 TABLE	CPS064	304	A
COMPASS	MI	X1,LGT	IF EOF	CPS064	305	A
COMPASS	NZ	X1,LGT1	IF EOR	CPS064	306	A
COMPASS	SA2	X0		CPS064	307	A
COMPASS	LX2	18		CPS064	308	A
COMPASS	SX6	X2-770000B		CPS064	309	A
COMPASS	ZR	X6,LGT4	IF 7700 TABLE	CPS064	310	A
COMPASS LGT3	READW	G,X0,A0	SKIP TO EOR	CPS064	311	A
COMPASS	ZR	X1,LGT3		CPS064	312	A
COMPASS	EQ	LGT1	TRY NEXT RECORD	CPS064	313	A
COMPASS LGT4	LX2	6		CPS064	314	A
COMPASS	SX5	X2-1		CPS064	315	A
COMPASS	MI	X5,LGT3	IF ZERO-LENGTH TABLE	CPS064	316	A
COMPASS	READW	G,X0,1	GET RECORD NAME	CPS064	317	A
COMPASS	SA1	EXVAL		CPS064	318	A
COMPASS	SA2	X0		CPS064	319	A
COMPASS	BX6	X1-X2		CPS064	320	A
COMPASS	ZR	X1,LGT5	IF NO OVERLAY NAME SPECIFIED	CPS064	321	A
COMPASS	NZ	X6,LGT3	IF WRONG NAME	CPS064	322	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	LGT5	READW	G,X0,1			CPS064	323	A
COMPASS		SX5	X5-1	SKIP 7700 TABLE		CPS064	324	A
COMPASS		PL	X5,LGT5			CPS064	325	A
COMPASS		SA1	X0	CHECK OVERLAY HEADER		CPS064	326	A
COMPASS		SA2	=50000101BS36			CPS064	327	A
COMPASS		BX6	X1-X2			CPS064	328	A
COMPASS		NZ	X6,LGT3	IF NOT A (1,1) OVERLAY		CPS064	329	A
COMPASS		READW	G,X0+B1,A0-B1	READ REMAINDER OF OVERLAY		CPS064	330	I
COMPASS	-F4810B	LGT6	READW	G,X0+B1,A0-B1 READ REMAINDER OF OVERLAY	F4810B	F4810B	166	A
COMPASS		SX0	B0	INDICATE TEXT LOADED	F4810B	F4810B	167	A
COMPASS		NZ	X1,LGT	IF ALL OF OVERLAY READ, RETURN	F4810B	F4810B	168	A
COMPASS		SX0	B6-B1	(B6) = ADDRESS OF LAST WORD TRANSFERED	F4810B	F4810B	169	A
COMPASS		MX1	0		F4810B	F4810B	170	A
COMPASS		RJ	RFL	REQUEST FLINC WORDS MORE CENTRAL MEMORY	F4810B	F4810B	171	A
COMPASS		ZR	X3,LST7A	IF REQUEST NOT COMPLETED, ABORT	F4810B	F4810B	172	A
COMPASS		SA2	O.ENDTAB	ELSE SET UP TO CONTINUE	F4810B	F4810B	173	A
COMPASS		IX1	X2-X0	AMOUNT OF SPACE AVAILABLE	F4810B	F4810B	174	A
COMPASS		SA0	X1+B1	ADD 1 WORD	F4810B	F4810B	175	A
COMPASS		EQ	LGT6	GO GET REST OF TEXT	F4810B	F4810B	176	A
COMPASS						CPS064	331	A
COMPASS	RM	ELSE				CPS064	332	A
COMPASS						CPS064	333	A
COMPASS		SA3	CP.LIB+X7			CPS064	334	A
COMPASS		BX6	X1-X2			CPS064	335	A
COMPASS		LX7	X3			CPS064	336	A
COMPASS		SA6	EXVAL	SAVE OVERLAY NAME		CPS064	337	A
COMPASS		SA7	GDUM	STORE FILE NAME IN FIT		CPS064	338	A
COMPASS		RJ	MTD	MOVE TABLES DOWN TO GET ROOM		CPS064	339	A
COMPASS		SX1	LGDUM			CPS064	340	A
COMPASS		SX2	GDUM			CPS064	341	A
COMPASS		SX3	G	RE-INITIALIZE FIT		CPS064	342	A
COMPASS		RJ	MOVE			CPS064	343	A
COMPASS		SA1	O.MEMORY			CPS064	344	A
COMPASS		SA2	O.ENDTAB			CPS064	345	A
COMPASS		IX3	X2-X1	AVAILABLE WORDS		CPS064	346	A
COMPASS		IX4	X3+X3			CPS064	347	A
COMPASS		LX3	3	MULTIPLY BY 10		CPS064	348	A
COMPASS		IX4	X3+X4			CPS064	349	A
COMPASS		STORE	G,MRL=X4	SET MAXIMUM RECORD LENGTH		CPS064	350	A
COMPASS		STORE	G,WSA=X1	WORKING STORAGE ADDRESS		CPS064	351	A
COMPASS		STORE	G,DX=LGT8	END OF DATA EXIT		CPS064	352	A
COMPASS		OPENM	G,INPUT,R	OPEN THE FILE WITH REWIND		CPS064	353	A
COMPASS		FETCH	G,RT,X2			CPS064	354	A
COMPASS		SB7	X2-#ST#			CPS064	355	A
COMPASS		SX6	#EOS#			CPS064	356	A
COMPASS	+	NZ	B7,*+1	IF NOT *S* RECORDS		CPS064	357	A
COMPASS		SX6	X6+#EOR#			CPS064	358	A
COMPASS		SA6	G-1			CPS064	359	A
COMPASS						CPS064	360	A
COMPASS	LGT1	GETP	G,,10	GET FIRST WORD OF SECTION		CPS064	361	A
COMPASS		SA1	O.MEMORY			CPS064	362	A

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## 1412THE

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SX1	1S20/10+1		F4810B	F4810B	188	A
COMPASS	BX4	X2	LENGTH IN CHARACTERS	F4810B	F4810B	189	A
COMPASS	IX3	X1*X2		F4810B	F4810B	190	A
COMPASS	AX3	20	LENGTH IN WORDS	F4810B	F4810B	191	A
COMPASS	FETCH	G,WSA,X1	GET PREVIOUS WORKING STORAGE AREA ADDRESS	F4810B	F4810B	192	A
COMPASS	IX3	X1+X3	ADJUST WORKING STORAGE AREA FOR NEXT READ	F4810B	F4810B	193	A
COMPASS	STORE	G,WSA=X3	STORE NEW WSA IN FIT	F4810B	F4810B	194	A
COMPASS	SA2	0.ENDTAB	END OF TABLE SPACE	F4810B	F4810B	195	A
COMPASS	IX3	X2-X3	WORDS AVAILABLE	F4810B	F4810B	196	A
COMPASS	IX4	X3+X3	MULTIPLY BY 10 TO GET NUMBER OF CHARACTERS	F4810B	F4810B	197	A
COMPASS	LX3	3		F4810B	F4810B	198	A
COMPASS	IX1	X3+X4		F4810B	F4810B	199	A
COMPASS	STORE	G,MRL=X1	STORE NEW MAXIMUM RECORD LENGTH IN FIT	F4810B	F4810B	200	A
COMPASS	EQ	LGT6A	GO GET REST OF RECORD	F4810B	F4810B	201	A
COMPASS				F4810B	F4810B	202	A
COMPASS	RM	ENDIF		F4810B	F4810B	203	A
COMPASS					CPS064	442	A
COMPASS					CPS064	443	A
COMPASS	**	FET/FIT	FOR SYSTEM TEXT LOADING FROM FILES.		CPS064	444	A
COMPASS					CPS064	445	A
COMPASS					CPS064	446	A
COMPASS	GET	FET	,GBUF,GBUFL,3		CPS064	447	A
COMPASS					CPS064	448	A
COMPASS	RM	IFEQ	CP#RM,0		CPS064	449	A
COMPASS	G	EQU	GET		CPS064	450	A
COMPASS	RM	ELSE			CPS064	451	A
COMPASS		IFEQ	CP#RM,6,1		CPS064	452	A
COMPASS	G	FILE	F0=SQ,BT=C,RT=S,CM=NO,LT=UL,FET=GET,FWB=GBUF,BFS=GBUFL,		CPS064	453	A
COMPASS	,ERL=1				CPS064	454	A
COMPASS		IFEQ	CP#RM,7,1		CPS064	455	A
COMPASS	G	FILE	F0=SQ,BT=,RT=W,CM=NO,PD=INPUT		CPS064	456	A
COMPASS		BSSZ	GET+40B-*		CPS064	457	A
COMPASS					CPS064	458	A
COMPASS		IFEQ	CP#RM,6,1		CPS064	459	A
COMPASS	GDUM	FILE	F0=SQ,BT=C,RT=S,CM=NO,LT=UL,FET=GET,FWB=GBUF,BFS=GBUFL,		CPS064	460	A
COMPASS	,ERL=1				CPS064	461	A
COMPASS		IFEQ	CP#RM,7,1		CPS064	462	A
COMPASS	GDUM	FILE	F0=SQ,BT=,RT=W,CM=NO,PD=INPUT		CPS064	463	A
COMPASS	LGDUM	EQU	*-GDUM		CPS064	464	A
COMPASS					CPS064	465	A
COMPASS	RM	ENDIF			CPS064	466	A
COMPASS	LLT	SPACE	4		CPS064	467	A
COMPASS	**	LLT	- LOAD LIBRARY TEXT.		CPS064	468	A
COMPASS	*	ENTRY	(X7) = SYSTEM TEXT ORDINAL.		CPS064	469	A
COMPASS	*		(X1) = OVERLAY NAME.		CPS064	470	A
COMPASS	*	EXIT	(X0) = 0 IF TEXT LOADED.		CPS064	471	A
COMPASS					CPS064	472	A
COMPASS					CPS064	473	A
COMPASS	LLT	PS	RETURN EXIT		CPS064	474	A
COMPASS		SA3	CP.LIB+X7		CPS064	475	A
COMPASS		BX6	X1		CPS064	476	A
COMPASS		LX7	X3		CPS064	477	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS		NZ	X6,LLT	IF SUFFICIENT STORAGE, RETURN	F4810B	F4810B	216	A
COMPASS		SX1	B0		F4810B	F4810B	217	A
COMPASS		RJ	RFL	REQUEST FLINC WORDS MORE CENTRAL MEMORY	F4810B	F4810B	218	A
COMPASS		ZR	X3,LST7A	IF ALREADY AT MAXIMUM, GO ABORT	F4810B	F4810B	219	A
COMPASS		EQ	LLT0	ELSE, GO GET MORE TEXT	F4810B	F4810B	220	A
COMPASS	BE	ELSE				CPS2660	12	A
COMPASS		MX0	0	(X0) = 0, TEXT LOADED		CPS2660	13	A
COMPASS		EQ	LLT	RETURN		CPS2660	14	A
COMPASS	BE	ENDIF				CPS2660	15	A
COMPASS						CPS064	515	A
COMPASS	LLTA	BSS	3	LOADER PARAMETER LIST		CPS064	516	A
COMPASS	LST	SPACE	4			CPS064	517	A
COMPASS	**	LST -	LOAD	SYSTEM TEXT.		CPS064	518	A
COMPASS						CPS064	519	A
COMPASS						CPS064	520	A
COMPASS	LST	PS		RETURN EXIT		CPS064	521	A
COMPASS						CPS064	522	A
COMPASS		IFNE	OVERLAY,0			CPS064	523	A
COMPASS		RJ	ASU	ACCUMULATE STORAGE USED		CPS064	524	A
COMPASS		SA2	LOCORE			CPS064	525	A
COMPASS		BX6	X2	SAVE NORMAL FWA OF MANAGED TABLE AREA		CPS064	526	A
COMPASS		SA6	LSTA			CPS064	527	A
COMPASS		SX1	ENDZ	SET NEW FWA TO USE ALL AVAILABLE SPACE		CPS064	528	A
COMPASS		RJ	ACL			CPS064	529	A
COMPASS		ENDIF				CPS064	530	A
COMPASS						CPS064	531	A
COMPASS		SA1	CP.STEXT			CPS064	532	A
COMPASS		SA2	CP.LIB	CHECK FOR *S=0*		CPS064	533	A
COMPASS		SX7	B1			CPS064	534	A
COMPASS		NZ	X1,LST1	IF SYSTEM TEXT(S) SPECIFIED		CPS064	535	A
COMPASS		BX6	X2			CPS064	536	A
COMPASS		ZR	X2,LST6A	IF NONE AT ALL		CPS064	537	A
COMPASS		SA6	A1			CPS064	538	A
COMPASS	LST1	SA7	A2	STORE SYSTEM TEXT ORDINAL		CPS064	539	A
COMPASS		SA1	CP.STEXT+X7			CPS064	540	A
COMPASS		SX2	X1			CPS064	541	A
COMPASS		ZR	X2,LST1A	IF *S* ARGUMENT		CPS064	542	A
COMPASS		RJ	LGT	LOAD FROM FILE (*G* ARGUMENT)		CPS064	543	A
COMPASS		EQ	LST1B			CPS064	544	A
COMPASS	LST1A	RJ	LLT	LOAD LIBRARY TEXT		CPS064	545	A
COMPASS	LST1B	NZ	X0,LST7	IF NOT LOADED		CPS064	546	A
COMPASS		SA3	0.MEMORY			CPS064	547	A
COMPASS		SA2	X3+B1	SYSTEM SYMBOL TABLE LENGTH		CPS064	548	A
COMPASS		BX1	X2			CPS064	549	A
COMPASS		AX2	18	VERIFY SYSTEXT FORMAT		CPS064	550	A
COMPASS		SB2	X1+B1			CPS064	551	A
COMPASS		NZ	X2,LST8	IF BAD SYSTEXT		CPS064	552	A
COMPASS		SA4	0.ENDTAB			CPS064	553	A
COMPASS		SB3	X4	FIND END OF OVERLAY		CPS064	554	A
COMPASS		SB2	A2+B2			CPS064	555	A
COMPASS		GE	B2,B3,LST8	IF BAD SYSTEXT		CPS064	556	A
COMPASS		MI	B2,LST8			CPS064	557	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	IX7	X6-X1	DUPLICATE SYMBOLS WERE FOUND	CPS064	610	A	
1	COMPASS	SA7	L.SSYMS		CPS064	611	A	1
2	COMPASS	SA1	L.MEMORY		CPS064	612	A	2
3	COMPASS	SA2	O.MEMORY	REDUCE MEMORY	CPS064	613	A	3
4	COMPASS	SX7	B4		CPS064	614	A	5
5	COMPASS	IX3	X1+X2		CPS064	615	A	6
6	COMPASS	IX6	X3-X7		CPS064	616	A	7
7	COMPASS	SA7	A2		CPS064	617	A	8
8	COMPASS	SA6	A1		CPS064	618	A	9
9	COMPASS	SA1	X7		CPS064	619	A	10
10	COMPASS	MANAGE	SYSMIC,X1		CPS064	620	A	11
11	COMPASS	SA4	O.MEMORY	LOAD SYSTEM MICROS	CPS064	621	A	12
12	COMPASS	SA1	X4		CPS064	622	A	13
13	COMPASS	IX3	X2+X3		CPS064	623	A	14
14	COMPASS	ZR	X1,LST3	IF LENGTH IS ZERO	CPS064	624	A	15
15	COMPASS	SX2	X4+B1		CPS064	625	A	16
16	COMPASS	IX3	X3-X1		CPS064	626	A	17
17	COMPASS	RJ	MOVE		CPS064	627	A	18
18	COMPASS	RJ	ASU	ACCUMULATE STORAGE USED	CPS064	628	A	19
19	COMPASS	LST3	SA4	O.MEMORY	REDUCE MEMORY	CPS064	629	A
20	COMPASS		SA5	L.MEMORY		CPS064	630	A
21	COMPASS		SA3	X4		CPS064	631	A
22	COMPASS		SX6	X3+B1		CPS064	632	A
23	COMPASS		IX7	X4+X6		CPS064	633	A
24	COMPASS		IX6	X5-X6		CPS064	634	A
25	COMPASS		SA7	A4		CPS064	635	A
26	COMPASS		SA6	A5		CPS064	636	A
27	COMPASS		SA1	X7		CPS064	637	A
28	COMPASS	MANAGE	MACDEF,X1		CPS064	638	A	29
29	COMPASS	SA4	O.MEMORY	LOAD MACRO DEFINITION SKELETONS	CPS064	639	A	30
30	COMPASS	SA1	X4		CPS064	640	A	31
31	COMPASS	IX3	X2+X3		CPS064	641	A	32
32	COMPASS	ZR	X1,LST4	IF LENGTH IS ZERO	CPS064	642	A	33
33	COMPASS	SX2	X4+B1		CPS064	643	A	34
34	COMPASS	IX3	X3-X1		CPS064	644	A	35
35	COMPASS	RJ	MOVE		CPS064	645	A	36
36	COMPASS	RJ	ASU	ACCUMULATE STORAGE USED	CPS064	646	A	37
37	COMPASS	LST4	SA4	O.MEMORY	REDUCE MEMORY	CPS064	647	A
38	COMPASS		SA5	L.MEMORY		CPS064	648	A
39	COMPASS		SA3	X4		CPS064	649	A
40	COMPASS		SX6	X3+2		CPS064	650	A
41	COMPASS		IX7	X4+X6		CPS064	651	A
42	COMPASS		IX6	X5-X6		CPS064	652	A
43	COMPASS		SA7	A4		CPS064	653	A
44	COMPASS		SA6	A5		CPS064	654	A
45	COMPASS		ZR	X6,LST6	IF NO SYSTEM OPCODES	CPS064	655	A
46	COMPASS	LST5	SA1	X7	LOOK UP OPCODE	CPS064	656	A
47	COMPASS		RJ	TLUOP		CPS064	657	A
48	COMPASS		SA4	O.MEMORY		CPS064	658	A
49	COMPASS		SA5	X4+B1	GET EQUIVALENT	CPS064	659	A
50	COMPASS		BX7	X5		CPS064	660	A
51	COMPASS		AX5	57		CPS064	661	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS		SX0	X5+B1		CPS064	662	A
COMPASS		SA3	LSYSMAC		CPS064	663	A
COMPASS	+	NZ	X0,*+1	IF NOT A MACRO	CPS064	664	A
COMPASS		IX7	X7+X3		CPS064	665	A
COMPASS		NZ	X6,LST5A	IF FOUND	CPS064	666	I
	-CPS073						
COMPASS	+	AX5	1		CPS073	1	A
COMPASS		ZR	X5,LST5C	IF NOT PSEUDO OP	CPS073	2	A
COMPASS		MX0	-9		CPS073	3	A
COMPASS		BX5	X7		CPS073	4	A
COMPASS		AX5	36		CPS073	5	A
COMPASS		BX5	-X0*X5		CPS073	6	A
COMPASS		ZR	X5,LST5C	IF OLD TYPE PSEUDO OP ENTRY	CPS073	7	A
COMPASS		LX5	1		CPS073	8	A
COMPASS		SA3	X5+POPS-1	GET EQUIVALENT FROM OPS	CPS073	9	A
COMPASS		BX7	X3		CPS073	10	A
COMPASS	LST5C	NZ	X6,LST5A	IF OPCODE FOUND IN OPTAB	CPS073	11	A
COMPASS		SA1	X4		CPS064	667	A
COMPASS		BX2	X7		CPS064	668	A
COMPASS		RJ	ENTOP	ENTER OPCODE TABLE	CPS064	669	A
COMPASS		SA4	O.MEMORY		CPS064	670	A
COMPASS		EQ	LST5B		CPS064	671	A
COMPASS	LST5A	SA7	A2	REPLACE EQUIVALENT	CPS064	672	A
COMPASS	LST5B	SA5	L.MEMORY	REDUCE MEMORY	CPS064	673	A
COMPASS		SX7	X4+2		CPS064	674	A
COMPASS		SX6	X5-2		CPS064	675	A
COMPASS		SA7	A4		CPS064	676	A
COMPASS		SA6	A5		CPS064	677	A
COMPASS		NZ	X6,LST5	IF MORE SYSTEM OPCODES	CPS064	678	A
COMPASS					CPS064	679	A
COMPASS	LST6	SA3	L.MACDEF		CPS064	680	A
COMPASS		SA2	CP.LIB		CPS064	681	A
COMPASS		SA1	CP.STEXT		CPS064	682	A
COMPASS		BX6	X3		CPS064	683	A
COMPASS		SA6	LSYSMAC		CPS064	684	A
COMPASS		SX7	X2+B1	BUMP SYSTEM TEXT ORDINAL	CPS064	685	A
COMPASS		IX6	X1-X2		CPS064	686	A
COMPASS		NZ	X6,LST1	IF MORE TO LOAD	CPS064	687	A
COMPASS		SA6	A2		CPS064	688	A
COMPASS	LST6A	SA2	CP.AFLL		CPS064	689	A
COMPASS		ZR	X2,LST6F	IF NO LCM	CPS064	690	A
COMPASS		SA1	L.SYSMIC		CPS064	691	A
COMPASS		ZR	X1,LST6B	IF NO SYSTEM MICROS	CPS064	692	A
COMPASS		RJ	ILF	INCREASE LCM FIELD LENGTH	CPS064	693	A
COMPASS		MI	X6,LST6B	IF NO ROOM IN LCM	CPS064	694	A
COMPASS		SA3	L.SYSMIC		CPS064	695	A
COMPASS		MX7	0		CPS064	696	A
COMPASS		IX1	X6-X1		CPS064	697	A
COMPASS		SA7	A3	CLEAR SCM COPY OF SYSMIC TABLE	CPS064	698	A
COMPASS		LX3	30		CPS064	699	A
COMPASS		BX6	X3+X1		CPS064	700	A
COMPASS		LX3	30	SET LCM TABLE POINTER	CPS064	701	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA6	LCMMIC		CPS064	702	A
COMPASS	SA2	0.SYSMIC		CPS064	703	A
COMPASS	RJ	WLC	WRITE SYSMIC TO LCM	CPS064	704	A
COMPASS	LST6B	SA1	L.SSYMS	CPS064	705	A
COMPASS	ZR	X1,LST6C	IF NO SYSTEM SYMBOLS	CPS064	706	A
COMPASS	RJ	ILF	INCREASE LCM FIELD LENGTH	CPS064	707	A
COMPASS	MI	X6,LST6C	IF NO ROOM IN LCM	CPS064	708	A
COMPASS	SA3	L.SSYMS		CPS064	709	A
COMPASS	MX7	0		CPS064	710	A
COMPASS	IX1	X6-X1		CPS064	711	A
COMPASS	SA7	A3	CLEAR SCM COPY OF SSYMS TABLE	CPS064	712	A
COMPASS	LX3	30		CPS064	713	A
COMPASS	BX6	X3+X1		CPS064	714	A
COMPASS	LX3	30	SET LCM TABLE POINTER	CPS064	715	A
COMPASS	SA6	LCMSYM		CPS064	716	A
COMPASS	SA2	0.SSYMS		CPS064	717	A
COMPASS	RJ	WLC	WRITE SSYMS TO LCM	CPS064	718	A
COMPASS	LST6C	SA1	L.OPTAB	CPS064	719	A
COMPASS	RJ	ILF	INCREASE LCM FIELD LENGTH	CPS064	720	A
COMPASS	MI	X6,LST6D	IF NO ROOM IN LCM FOR OPCODE TABLE	CPS064	721	A
COMPASS	SA3	L.OPTAB		CPS064	722	A
COMPASS	MX7	0		CPS064	723	A
COMPASS	IX1	X6-X1		CPS064	724	A
COMPASS	SA7	A3	CLEAR SCM COPY OF OPCODE TABLE	CPS064	725	A
COMPASS	LX3	30		CPS064	726	A
COMPASS	BX6	X3+X1		CPS064	727	A
COMPASS	LX3	30	SET LCM TABLE POINTER	CPS064	728	A
COMPASS	SA6	LCMOPC		CPS064	729	A
COMPASS	SA2	0.OPTAB		CPS064	730	A
COMPASS	RJ	WLC	WRITE OPTAB TO LCM	CPS064	731	A
COMPASS	LST6D	SA1	LCMEND	CPS064	732	A
COMPASS	BX6	X1	SAVE ORIGIN OF LCM MACROS	CPS064	733	A
COMPASS	SA6	LCMSYS		CPS064	734	A
COMPASS	SA1	L.MACDEF		CPS064	735	A
COMPASS	ZR	X1,LST6F	IF NO SYSTEM MACROS	CPS064	736	A
COMPASS	RJ	ILF	INCREASE LCM FIELD LENGTH	CPS064	737	A
COMPASS	MI	X6,LST6F	IF NO ROOM IN LCM	CPS064	738	A
COMPASS	SA3	L.MACDEF		CPS064	739	A
COMPASS	MX7	0		CPS064	740	A
COMPASS	IX1	X6-X1		CPS064	741	A
COMPASS	SA7	A3	CLEAR SCM COPY OF MACDEF TABLE	CPS064	742	A
COMPASS	LX3	30		CPS064	743	A
COMPASS	BX6	X3+X1		CPS064	744	A
COMPASS	LX3	30	SET LCM TABLE POINTER	CPS064	745	A
COMPASS	SA6	LCMMAC		CPS064	746	A
COMPASS	SA2	0.MACDEF		CPS064	747	A
COMPASS	RJ	WLC	WRITE MACDEF TO LCM	CPS064	748	A
COMPASS	SA1	LCMEND		CPS064	749	A
COMPASS	SA2	LCMSYS		CPS064	750	A
COMPASS	BX6	X1	SAVE END OF LCM SYSTEM MACROS	CPS064	751	A
COMPASS	SA6	A2		CPS064	752	A
COMPASS	MX7	0	INDICATE NO SYSTEM MACROS IN SCM	CPS064	753	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA7	LSYSMAC		CPS064	754	A
COMPASS	SX0	B1		CPS064	755	A
COMPASS	LX0	37	ADJUST ALL OPTAB ENTRIES FOR	CPS064	756	A
COMPASS	BX2	X2+X0	SYSTEM MACROS TO POINT TO MACRO	CPS064	757	A
COMPASS	SA3	L.OPTAB	DEFINITION TEXT IN LCM	CPS064	758	A
COMPASS	SA4	LCMOPC		CPS064	759	A
COMPASS	SA1	O.OPTAB		CPS064	760	A
COMPASS	NZ	X3,*+1	IF OPCODE TABLE NOT IN LCM	CPS064	761	A
COMPASS	AX4	30		CPS064	762	A
COMPASS	BX3	X4		CPS064	763	A
COMPASS	SB2	2		CPS064	764	A
COMPASS	SB5	57	PREPARE TO SEARCH OPCODE TABLE	CPS064	765	A
COMPASS	SB6	-1		CPS064	766	A
COMPASS	SB7	X3		CPS064	767	A
COMPASS	SA1	X1+B1		CPS064	768	A
COMPASS	LST6E	AX3	EXTRACT OPCODE TYPE	CPS064	769	A
COMPASS	IX6	X1+X2		CPS064	770	A
COMPASS	SA1	A1+B2	FETCH NEXT ENTRY	CPS064	771	A
COMPASS	SB4	X3		CPS064	772	A
COMPASS	SB7	B7-B2		CPS064	773	A
COMPASS	NE	B4,B6,*+1	IF NOT A SYSTEM MACRO	CPS064	774	A
COMPASS	SA6	A1-B2	STORE ADJUSTED EQUIVALENT	CPS064	775	A
COMPASS	NZ	B7,LST6E	LOOP TO END OF TABLE	CPS064	776	A
COMPASS	SA3	LCMOPC		CPS064	777	A
COMPASS	SA2	O.OPTAB		CPS064	778	A
COMPASS	ZR	X3,LST6F	IF OPCODE TABLE NOT IN LCM	CPS064	779	A
COMPASS	BX1	X3		CPS064	780	A
COMPASS	AX3	30		CPS064	781	A
COMPASS	RJ	WLC	RE-WRITE TO LCM	CPS064	782	A
COMPASS				CPS064	783	A
COMPASS	LST6F	MX6	INDICATE SYSTEM TEXTS ALL LOADED	CPS064	784	A
COMPASS	SA6	CP.LIB		CPS064	785	A
COMPASS				CPS064	786	A
COMPASS	IFNE	OVERLAY,0,2		CPS064	787	A
COMPASS	SA1	LSTA	RESTORE NORMAL FWA OF MANAGED TABLE AREA	CPS064	788	A
COMPASS	RJ	ACL	(IF NO SPACE, GOES TO LST7A)	CPS064	789	A
COMPASS				CPS064	790	A
COMPASS	RJ	ASU	ACCUMULATE STORAGE USED FOR PASS 0	CPS064	791	A
COMPASS	RJ	ATS	ACCUMULATE TOTAL STORAGE USED	CPS064	792	A
COMPASS	RJ	DFL	DECREASE FL TO LWA TABLES+FLINC	F4810B	F4810B	221 I
-CPSA125						
COMPASS	EQ	LST	RETURN	CPS064	793	A
COMPASS				CPS064	794	A
COMPASS	*	ERROR EXITS.		CPS064	795	A
COMPASS				CPS064	796	A
COMPASS	LST7	MESSAGE LSTN,,R	*SYSTEM TEXT NOT FOUND.*	CPS064	797	A
COMPASS	EQ	LST9		CPS064	798	A
COMPASS	LST7A	MESSAGE LSTS,,R	*INSUFFICIENT STORAGE FOR SYSTEM TEXT.*	CPS064	799	A
COMPASS	SA1	CP.LIB		CPS064	800	A
COMPASS	NZ	X1,LST9	IF NOT AFTER LAST SYSTEM TEXT	CPS064	801	A
COMPASS	MESSAGE	LSTT		CPS064	802	A
COMPASS	ABORT	,NODUMP		CPS064	803	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	LST8	MESSAGE	LSTF,,R	*IMPROPER SYSTEM TEXT FORMAT.*	CPS064	804	A
COMPASS	LST9	SA1	CP.LIB		CPS064	805	A
COMPASS		SA2	CP.STEXT+X1	GET OVERLAY NAME	CPS064	806	A
COMPASS		SX6	2RS=		CPS064	807	A
COMPASS		SX3	X2		CPS064	808	A
COMPASS		BX5	X2		CPS064	809	A
COMPASS		NZ	X3,LST9A	IF *G* ARGUMENT	CPS064	810	A
COMPASS		SA4	CP.LIB+X1		CPS064	811	A
COMPASS		ZR	X4,LST9B	IF NO LIBRARY NAME	CPS064	812	A
COMPASS		EQ	LST9C		CPS064	813	A
COMPASS	LST9A	IX2	X2-X3	ISOLATE OVERLAY NAME	CPS064	814	A
COMPASS		SA4	CP.LIB+X1		CPS064	815	A
COMPASS		BX5	X4		CPS064	816	A
COMPASS		SX6	2RG=		CPS064	817	A
COMPASS		NZ	X2,LST9C	IF OVERLAY NAME SPECIFIED	CPS064	818	A
COMPASS	LST9B	BX6	X5+X6		CPS064	819	A
COMPASS		SX7	B0	SETUP MESSAGE -	CPS064	820	A
COMPASS		LX6	-12	S=OVL OR	CPS064	821	A
COMPASS		EQ	LST9E	G=FNAME	CPS064	822	A
COMPASS	LST9C	SA1	=8R	/	CPS064	823	A
COMPASS		BX6	X6+X4		CPS064	824	A
COMPASS		MX0	12		CPS064	825	A
COMPASS		LX6	-12		CPS064	826	A
COMPASS	LST9D	AX0	6	SETUP MESSAGE -	CPS064	827	A
COMPASS		BX3	-X0*X6	S=LIB/OVL OR	CPS064	828	A
COMPASS		NZ	X3,LST9D	G=FNAME/OVL	CPS064	829	A
COMPASS		BX3	-X0*X1		CPS064	830	A
COMPASS		BX6	X6+X3		CPS064	831	A
COMPASS		LX7	X2		CPS064	832	A
COMPASS	LST9E	SA6	LSTM+2		CPS064	833	A
COMPASS		SA7	A6+B1		CPS064	834	A
COMPASS		MESSAGE	LSTM,,R		CPS064	835	A
COMPASS		MX6	0		CPS064	836	A
COMPASS		SA6	L.MEMORY		CPS064	837	A
COMPASS		EQ	LST6		CPS064	838	A
COMPASS					CPS064	839	A
COMPASS	LSTA	DATA	0	STORAGE FOR (LOCORE)	CPS064	840	A
COMPASS	LSTN	DATA	C*	SYSTEM TEXT NOT FOUND.*	CPS064	841	A
COMPASS	LSTS	DATA	C*	INSUFFICIENT STORAGE FOR SYSTEM TEXT.*	CPS064	842	A
COMPASS	LSTF	DATA	C*	IMPROPER SYSTEM TEXT FORMAT.*	CPS064	843	A
COMPASS	LSTM	DATA	C*	BAD SYSTEM TEXT - S=LIBRARY/OVERLAY*	CPS064	844	A
COMPASS	LSTT	DATA	C*	ASSEMBLY ABORTED.*	CPS064	845	A
COMPASS	OPF	SPACE	4		CPS064	846	A
COMPASS	**	OPF	-	OPEN FILES.	CPS064	847	A
COMPASS					CPS064	848	A
COMPASS					CPS064	849	A
COMPASS	OPF	PS		RETURN EXIT	CPS064	850	A
COMPASS					CPS064	851	A
COMPASS	RM	IFEQ	CP#RM,0		CPS064	852	A
COMPASS					CPS064	853	A
COMPASS		EVICT	R		CPS064	854	A
COMPASS		OPEN	S,WRITE		CPS064	855	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	REWIND S	CPS064	856	A
COMPASS	EQ OPF RETURN	CPS064	857	A
COMPASS		CPS064	858	A
COMPASS RM	ELSE	CPS064	859	A
COMPASS		CPS064	860	A
COMPASS	SA3 E	CPS064	861	A
COMPASS	SA4 0	CPS064	862	A
COMPASS	ZR X3,OPF1 IF NO ERROR LISTING	CPS064	863	A
COMPASS	BX6 X3-X4	CPS064	864	A
COMPASS	NZ X6,OPF0 IF NOT SAME FILE NAME AS LONG LISTING FILE	CPS064	865	A
COMPASS	FETCH 0,OC,X3	CPS064	866	A
COMPASS	SX3 X3-#YES#	CPS064	867	A
COMPASS	NZ X3,OPF0 IF LONG LISTING FILE NOT OPEN	CPS064	868	A
COMPASS	CLOSEM 0,N	CPS064	869	A
COMPASS OPF0	OPENM E,OUTPUT,N	CPS064	870	A
COMPASS OPF1	SA1 B	CPS064	871	A
COMPASS	ZR X1,OPF3 IF NO BINARY	CPS064	872	A
COMPASS	FETCH B,OC,X2	CPS064	873	A
COMPASS	SB7 X2-#YES#	CPS064	874	A
COMPASS	ZR B7,OPF2 IF ALREADY OPEN	CPS064	875	A
COMPASS	OPENM B,OUTPUT,N	CPS064	876	A
COMPASS OPF2	FETCH B,RT,X3	CPS064	877	A
COMPASS	SX7 X3-#WT#	CPS064	878	A
COMPASS	SA7 B-1 SAVE BINARY RECORD TYPE	CPS064	879	A
COMPASS OPF3	OPENM OPFA,I-0,N RETURN SCRATCH FILES	CPS064	880	A
COMPASS	CLOSEM OPFA,U	CPS064	881	A
COMPASS	OPENM OPFB,I-0,N	CPS064	882	A
COMPASS	CLOSEM OPFB,U	CPS064	883	A
COMPASS	EQ OPF RETURN	CPS064	884	A
COMPASS		CPS064	885	A
COMPASS OPFA	FILE LFN=ZZZZZRL,FET=SCR	CPS064	886	A
COMPASS OPFB	FILE LFN=ZZZZZRM,FET=REF	CPS064	887	A
COMPASS		CPS064	888	A
COMPASS RM	ENDIF	CPS064	889	A
COMPASS RDD	SPACE 4	CPS064	890	A
COMPASS **	RDD - READ DEBUGGING DIRECTIVES.	CPS064	891	A
COMPASS *	READ CARDS FROM FILE *PATCHES* AND COPY THEM	CPS064	892	A
COMPASS *	TO FILE *SNAPPER* IN LISTABLE FORM.	CPS064	893	A
COMPASS *	*PATCH CARDS ARE PROCESSED DIRECTLY.	CPS064	894	A
COMPASS *	*SNAP CARDS CAUSE CONSTRUCTION OF SNAP DESCRIPTOR	CPS064	895	A
COMPASS *	ENTRIES IN THE *SNAPBUF* TABLE AREA.	CPS064	896	A
COMPASS *	ALL OTHER CARDS ARE TREATED AS COMMENTS.	CPS064	897	A
COMPASS		CPS064	898	A
COMPASS		CPS064	899	A
COMPASS DEBUG	IFNE DEBUG,0	CPS064	900	A
COMPASS	QUAL DEBUG	CPS064	901	A
COMPASS		CPS064	902	A
COMPASS RDD	PS RETURN EXIT	CPS064	903	A
COMPASS		CPS064	904	A
COMPASS RM	IFEQ CP#RM,0	CPS064	905	A
COMPASS		CPS064	906	A
COMPASS	REWIND P	CPS064	907	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	READ	P	START READING	CPS064	908	A
COMPASS	READC	P,LINE+1,9	READ FIRST CARD	CPS064	909	A
COMPASS	NZ	X1,RDDX	IF NONE	CPS064	910	A
COMPASS	SA0	B6		CPS064	911	A
COMPASS	WRITEW	D,DHEAD,LDHEAD	WRITE HEADER LINE	CPS064	912	A
COMPASS	SB6	A0		CPS064	913	A
COMPASS	RDDC	SB5	B6-LINE-1 LENGTH OF CARD	CPS064	914	A
COMPASS				CPS064	915	A
COMPASS	RM	ELSE		CPS064	916	A
COMPASS				CPS064	917	A
COMPASS	OPENM	P,INPUT,N		CPS064	918	A
COMPASS	REWINDM	P		CPS064	919	A
COMPASS	GET	P,LINE+1,90		CPS064	920	A
COMPASS	FETCH	P,FP,X2		CPS064	921	A
COMPASS	SX0	EOD		CPS064	922	A
COMPASS	BX3	X0*X2		CPS064	923	A
COMPASS	NZ	X3,RDDX	IF NO DATA IN PATCHES FILE	CPS064	924	A
COMPASS	OPENM	D,I-0,N		CPS064	925	A
COMPASS	PUT	D,DHEAD,LDHEAD		CPS064	926	A
COMPASS	PUT	D,DHEAD1,10		CPS064	927	A
COMPASS	RDDC	FETCH	P,RL,X3 RECORD LENGTH	CPS064	928	A
COMPASS	SX2	X3+9		CPS064	929	A
COMPASS	SX1	52429		CPS064	930	A
COMPASS	IX4	X1*X2		CPS064	931	A
COMPASS	AX4	19	RL/10	CPS064	932	A
COMPASS	SB5	X4		CPS064	933	A
COMPASS				CPS064	934	A
COMPASS	RM	ENDIF		CPS064	935	A
COMPASS				CPS064	936	A
COMPASS	SB7	8		CPS064	937	A
COMPASS	+	SB6	B1	CPS064	938	A
COMPASS	GE	B5,B7,*+1	IF MORE THAN 8 WORDS	CPS064	939	A
COMPASS	SB7	B5		CPS064	940	A
COMPASS	SA1	LINE+1	CARD COLUMNS 1-10	CPS064	941	A
COMPASS	SA2	SNAPC		CPS064	942	A
COMPASS	SA3	A2+B1		CPS064	943	A
COMPASS	IX2	X1-X2		CPS064	944	A
COMPASS	BX3	X1-X3		CPS064	945	A
COMPASS	ZR	X2,RDDD	IF *SNAP	CPS064	946	A
COMPASS	NZ	X3,RDDW	IF NOT *PATCH	CPS064	947	A
COMPASS	RDDD	MX0	-6	CPS064	948	A
COMPASS	SB4	10	GET FIRST NUMBER, STARTING IN COLUMN 11	CPS064	949	A
COMPASS	SA1	A1+B1		CPS064	950	A
COMPASS	SX4	B0		CPS064	951	A
COMPASS	RJ	SCAN		CPS064	952	A
COMPASS	NZ	X3,RDDS	IF *SNAP	CPS064	953	A
COMPASS	SA0	X6		CPS064	954	A
COMPASS	RJ	SCAN	GET NEW VALUE	CPS064	955	A
COMPASS	SA6	A0	STORE IT	CPS064	956	A
COMPASS	RDDS	EQ	RDDW	CPS064	957	A
COMPASS	SA2	LSNAPBUF		CPS064	958	A
COMPASS	SA3	RJSNAP		CPS064	959	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA5	X6	FETCH INSTRUCTION WORD	CPS064	960	A
COMPASS	IX7	X3+X2		CPS064	961	A
COMPASS	BX6	X5	REPLACE WITH RJ SNAPPER	CPS064	962	A
COMPASS	SA7	A5		CPS064	963	A
COMPASS	SX7	X2+B1		CPS064	964	A
COMPASS	SA6	X2+SNAPBUF	SAVE REPLACED INSTRUCTION WORD	CPS064	965	A
COMPASS	SA7	A2		CPS064	966	A
COMPASS	RDDT	SX4	B1	CPS064	967	A
COMPASS	RJ	SCAN	GET FWA	CPS064	968	A
COMPASS	MI	X7,RDDU	IF TABLE NAME	CPS064	969	A
COMPASS	MX2	-17		CPS064	970	A
COMPASS	BX6	-X2*X6		CPS064	971	A
COMPASS	IX5	X6+X7		CPS064	972	A
COMPASS	LX5	30		CPS064	973	A
COMPASS	RJ	SCAN	GET WORD COUNT	CPS064	974	A
COMPASS	MX2	-17		CPS064	975	A
COMPASS	BX6	-X2*X6		CPS064	976	A
COMPASS	IX6	X6+X7		CPS064	977	A
COMPASS	IX6	X6+X5		CPS064	978	A
COMPASS	RDDU	LT	B6,B7,*+1 IF NOT END OF CARD	CPS064	979	A
COMPASS	MX2	1		CPS064	980	A
COMPASS	BX6	X6+X2		CPS064	981	A
COMPASS	SA2	LSNAPBUF		CPS064	982	A
COMPASS	SA6	X2+SNAPBUF	STORE SNAP DESCRIPTION	CPS064	983	A
COMPASS	SX7	X2+B1		CPS064	984	A
COMPASS	SA7	A2		CPS064	985	A
COMPASS	LT	B6,B7,RDDT	IF NOT END OF CARD	CPS064	986	A
COMPASS				CPS064	987	A
COMPASS	RM	IFEQ	CP#RM,0	CPS064	988	A
COMPASS				CPS064	989	A
COMPASS	RDDW	WRITEW	D,LINE,B5+B1	CPS064	990	A
COMPASS		READC	P,LINE+1,9 READ NEXT CARD	CPS064	991	A
COMPASS		ZR	X1,RDDC IF NOT EOR/EOF	CPS064	992	A
COMPASS		WRITER	D,RECALL FLUSH BUFFER	CPS064	993	A
COMPASS	RDDX	BSS	0	CPS064	994	A
COMPASS				CPS064	995	A
COMPASS	RM	ELSE		CPS064	996	A
COMPASS				CPS064	997	A
COMPASS	RDDW	FETCH	P,RL,X3	CPS064	998	A
COMPASS		SX4	X3+10	CPS064	999	A
COMPASS		PUT	D,LINE,X4	CPS064	1000	A
COMPASS		GET	P,LINE+1,90	CPS064	1001	A
COMPASS		FETCH	P,FP,X2	CPS064	1002	A
COMPASS		SX0	EOD	CPS064	1003	A
COMPASS		BX3	X0*X2	CPS064	1004	A
COMPASS		ZR	X3,RDDC IF NOT END OF DATA	CPS064	1005	A
COMPASS		WEOR	D FLUSH D	CPS064	1006	A
COMPASS	RDDX	CLOSEM	P,R	CPS064	1007	A
COMPASS				CPS064	1008	A
COMPASS	RM	ENDIF		CPS064	1009	A
COMPASS				CPS064	1010	A
COMPASS		EQ	RDD	CPS064	1011	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	NZ	B2,SCAN3	IF NOT ASTERISK	CPS064	1057	I
-CP096A						
COMPASS	SX7	B1		CPS064	1058	I
-CP096A						
COMPASS	LX7	17		CPS064	1059	I
-CP096A						
COMPASS	SB5	X2+1R0-1R\$		CP096A	338	A
COMPASS	NZ	B2,SCAN2A	IF NOT ASTERISK (INDIRECT)	CP096A	339	A
COMPASS	SX2	B1		CP096A	340	A
COMPASS	LX2	17		CP096A	341	A
COMPASS	BX7	X7+X2		CP096A	342	A
COMPASS	SCAN2A	NZ	B5,SCAN3 IF NOT DOLLAR (ECS/LCM)	CP096A	343	A
COMPASS	SX2	B1		CP096A	344	A
COMPASS	LX2	18		CP096A	345	A
COMPASS	BX7	X7+X2		CP096A	346	A
COMPASS	SCAN3	ZR	B3,SCAN IF COMMA, RETURN	CPS064	1060	A
COMPASS	NE	B3,B1,SCAN0	IF NOT PERIOD	CPS064	1061	A
COMPASS	SB6	B7	SET END OF CARD	CPS064	1062	A
COMPASS	EQ	SCAN		CPS064	1063	A
COMPASS	SCAN4	ZR	X4,SCAN0 IF TABLE NAME NOT ALLOWED	CPS064	1064	A
COMPASS	SB2	60		CPS064	1065	A
COMPASS	SX2	X2+1R0	RESTORE CHARACTER	CPS064	1066	A
COMPASS	ZR	X2,SCAN6	IF COLON	CPS064	1067	A
COMPASS	SCAN5	SB2	B2-6	CPS064	1068	A
COMPASS	LX2	B2	APPEND CHARACTER TO NAME	CPS064	1069	A
COMPASS	BX6	X6+X2		CPS064	1070	A
COMPASS	SCAN6	NZ	B4,SCAN7 IF WORD NOT EXHAUSTED	CPS064	1071	A
COMPASS	SB6	B6+B1		CPS064	1072	A
COMPASS	SA1	A1+B1	FETCH NEXT WORD	CPS064	1073	A
COMPASS	SB4	10		CPS064	1074	A
COMPASS	GE	B6,B7,SCAN8	IF CARD EXHAUSTED	CPS064	1075	A
COMPASS	SCAN7	LX1	6	CPS064	1076	A
COMPASS	SB4	B4-B1		CPS064	1077	A
COMPASS	BX2	-X0*X1	EXTRACT NEXT CHARACTER	CPS064	1078	A
COMPASS	SB3	X2-1R,		CPS064	1079	A
COMPASS	ZR	X2,SCAN6	IF COLON	CPS064	1080	A
COMPASS	ZR	B3,SCAN8	IF COMMA	CPS064	1081	A
COMPASS	NE	B3,B1,SCAN5	IF NOT PERIOD	CPS064	1082	A
COMPASS	SB6	B7	SET END OF CARD	CPS064	1083	A
COMPASS	SCAN8	SA2	TABLES SEARCH LIST OF TABLES	CPS064	1084	A
COMPASS	MX3	-18		CPS064	1085	A
COMPASS	SCAN9	ZR	X2,SCAN+1 IF NOT FOUND, IGNORE FIELD	CPS064	1086	A
COMPASS	BX4	X3*X2		CPS064	1087	A
COMPASS	SB3	X2	TABLE NUMBER	CPS064	1088	A
COMPASS	IX7	X6-X4		CPS064	1089	A
COMPASS	SA2	A2+B1		CPS064	1090	A
COMPASS	NZ	X7,SCAN9	LOOP	CPS064	1091	A
COMPASS	SX3	B1		CPS064	1092	A
COMPASS	SX4	ORIGINS+B3		CPS064	1093	A
COMPASS	LX3	17		CPS064	1094	A
COMPASS	BX4	X4+X3	SETUP (X6) FOR TABLE	CPS064	1095	A
COMPASS	SX6	SIZES+B3		CPS064	1096	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS		LX4	30		CPS064	1097	A
COMPASS		BX6	X6+X3		CPS064	1098	A
COMPASS		SX7	-B1	(X7) = -1	CPS064	1099	A
COMPASS		BX6	X4+X6		CPS064	1100	A
COMPASS		EQ	SCAN	RETURN	CPS064	1101	A
COMPASS	DATA	SPACE	4		CPS064	1102	A
COMPASS	**	CONSTANTS AND WORKING STORAGE FOR *RDD*.			CPS064	1103	A
COMPASS					CPS064	1104	A
COMPASS					CPS064	1105	A
COMPASS	RJSNAP	RJ	SNAPPER		CPS064	1106	A
COMPASS	-	VFD	30/**		CPS064	1107	A
COMPASS					CPS064	1108	A
COMPASS	RM	IFEQ	CP#RM,0		CPS064	1109	A
COMPASS	DHEAD	DATA	C*1	COMPASS DEBUGGING OUTPUT.*,8L0	CPS064	1110	A
COMPASS	LDHEAD	EQU	*-DHEAD		CPS064	1111	A
COMPASS	RM	ELSE			CPS064	1112	A
COMPASS	DHEAD	DATA	H*1	COMPASS DEBUGGING OUTPUT.*	CPS064	1113	A
COMPASS	LDH	SET	*-DHEAD		CPS064	1114	A
COMPASS	LDHEAD	EQU	LDH*10		CPS064	1115	A
COMPASS	DHEAD1	DATA	1H0		CPS064	1116	A
COMPASS	RM	ENDIF			CPS064	1117	A
COMPASS					CPS064	1118	A
COMPASS	LINE	DATA	10H		CPS064	1119	A
COMPASS		BSS	9	DIRECTIVE CARD IMAGE	CPS064	1120	A
COMPASS					CPS064	1121	A
COMPASS	SNAPC	DATA	H *SNAP ,H *PATCH		CPS064	1122	A
COMPASS					CPS064	1123	A
COMPASS	TABLES	BSS	0		CPS064	1124	A
COMPASS	DEBUG	HERE		LIST OF TABLE NAMES AND NUMBERS	CPS064	1125	A
COMPASS		CON	0		CPS064	1126	A
COMPASS					CPS064	1127	A
COMPASS	LSNAPBUF	DATA	0	LENGTH OF SNAPBUF	CPS064	1128	A
COMPASS					CPS064	1129	A
COMPASS	PSD	FET	PATCHES,,BBUFL,1		CPS064	1130	A
COMPASS					CPS064	1131	A
COMPASS	RM	IFEQ	CP#RM,0		CPS064	1132	A
COMPASS	P	EQU	PSD		CPS064	1133	A
COMPASS	RM	ELSE			CPS064	1134	A
COMPASS		IFEQ	CP#RM,6,1		CPS064	1135	A
COMPASS	P	FILE	LFN=PATCHES,F0=SQ,BT=C,RT=Z,MRL=90,CM=YES,LT=UL,FET=PSD		CPS064	1136	A
COMPASS	,,BFS=BBUFL,ERL=1				CPS064	1137	A
COMPASS		IFEQ	CP#RM,7,1		CPS064	1138	A
COMPASS	P	FILE	LFN=PATCHES,F0=SQ,BT=,RT=W,MRL=90,PD=INPUT		CPS064	1139	A
COMPASS		BSSZ	PSD+40B-*		CPS064	1140	A
COMPASS	RM	ENDIF			CPS064	1141	A
COMPASS					CPS064	1142	A
COMPASS		QUAL	*		CPS064	1143	A
COMPASS	DEBUG	ENDIF			CPS064	1144	A
COMPASS	SBA	SPACE	4		CPS064	1145	A
COMPASS	**	SBA	-	SET BUFFER ADDRESS.	CPS064	1146	A
COMPASS	*	ENTRY	(X0)	= BUFFER FIRST WORD ADDRESS.	CPS064	1147	A
COMPASS	*		(X1)	= FET/FIT ADDRESS.	CPS064	1148	A

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\* EXIT (X0) = BUFFER LAST WORD ADDRESS + 1.

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	MANAGE	CMPTAB,X1	REQUEST TABLE SPACE	F4810B	F4810B	245	A
COMPASS	SA4	SCSFL	GET SAVED COMPILER FIELD LENGTHS	F4810B	F4810B	246	A
COMPASS	BX6	X4		F4810B	F4810B	247	A
COMPASS	SA6	X2	STORE IN FIRST WORD OF CMPTAB	F4810B	F4810B	248	A
COMPASS	SB3	X4	CP.AFLS	F4810B	F4810B	249	A
COMPASS	AX4	30-0		F4810B	F4810B	250	A
COMPASS	SB4	X4	CP.NFLS-FWA OF AREA TO BE SAVED	F4810B	F4810B	251	A
COMPASS	SCS1	GE	B4,B3,SCS IF THROUGH, RETURN	F4810B	F4810B	252	A
COMPASS	SX2	X2+B1	DESTINATION OF WORD TO BE MOVED	F4810B	F4810B	253	A
COMPASS	SA1	B4	CURRENT WORD TO BE MOVED	F4810B	F4810B	254	A
COMPASS	BX6	X1		F4810B	F4810B	255	A
COMPASS	SA6	X2		F4810B	F4810B	256	A
COMPASS	SB4	B4+B1	INCREMENT SOURCE ADDRESS	F4810B	F4810B	257	A
COMPASS	EQ	SCS1	CONTINUE	F4810B	F4810B	258	A
COMPASS				F4810B	F4810B	259	A
COMPASS	SCSFL	DATA 0	TEMP. STORES COMPILER CP.NFLS AND CP.AFLS	F4810B	F4810B	260	A
COMPASS	SFL	SPACE 4			CPS064	1177	A
COMPASS	**	SFL - SET FIELD LENGTH.			CPS064	1178	A
COMPASS					CPS064	1179	A
COMPASS					CPS064	1180	A
COMPASS	SFL	PS	RETURN EXIT		CPS064	1181	A
COMPASS	SFL0	BSS 0		F4810B	F4810B	261	A
COMPASS		SA1	CP.NFLS		CPS064	1182	A
COMPASS		SA2	LOCORE		CPS064	1183	A
COMPASS		SX6	X1-10 ALLOW TEN WORDS FOR SLOP		CPS064	1184	A
COMPASS		IX7	X6-X2		CPS064	1185	A
COMPASS		SB7	X7-NOPCT*2-NSYMT*2		CPS064	1186	A
COMPASS		SA6	O.ENDTAB SAVE END OF MANAGED TABLE AREA		CPS064	1187	A
COMPASS		SA7	SIZCORE		CPS064	1188	A
COMPASS		PL	B7,SFL1 IF ENOUGH ROOM		CPS064	1189	A
COMPASS		BX6	X1 SAVE CURRENT FL	F4810B	F4810B	262	A
COMPASS		SX1	X2+NOPCT*2+NSYMT*2+10D+77B		CPS064	1190	I
COMPASS	-F4810B						
COMPASS		SX5	X2+NOPCT*2+NSYMT*2+10D+77B FL REQUIRED	F4810B	F4810B	263	A
COMPASS		BX1	-X5	F4810B	F4810B	264	A
COMPASS		RJ	RFL REQUEST THE REQUIRED FIELD LENGTH	F4810B	F4810B	265	A
COMPASS		NZ	X3,SFL0 IF REQUEST COMPLETE, TRY AGAIN	F4810B	F4810B	266	A
COMPASS		BX1	X5 ELSE, PRINT MESSAGE AND ABORT	F4810B	F4810B	267	A
COMPASS		MX0	-6		CPS064	1191	A
COMPASS		BX1	X0*X1		CPS064	1192	A
COMPASS		RJ	COCT CONVERT TO OCTAL		CPS064	1193	A
COMPASS		SA1	SFLA+2		CPS064	1194	A
COMPASS		MX0	30		CPS064	1195	A
COMPASS		LX6	12		CPS064	1196	I
COMPASS	-CPS112						
COMPASS		BX1	X0*X1 INSERT REQUIRED FIELD LENGTH INTO MESSAGE		CPS064	1197	A
COMPASS		BX6	-X0*X6		CPS064	1198	A
COMPASS		BX6	X1*X6		CPS064	1199	A
COMPASS		SA6	A1		CPS064	1200	A
COMPASS		MESSAGE	SFLA,,R		CPS064	1201	A
COMPASS		ABORT	,NODUMP		CPS064	1202	A
COMPASS					CPS064	1203	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SFL1	BSS	0		CPS064	1204	A
COMPASS	LCM	IFEQ	CP#RM,7		CPS064	1205	A
COMPASS		MEMORY	LCM,SFLB,R	GET LCM FIELD LENGTH AND MODE	CPS064	1206	A
COMPASS		SA1	SFLB		CPS064	1207	A
COMPASS		LX1	59-1		CPS064	1208	A
COMPASS		SX6	B0		CPS064	1209	A
COMPASS		PL	X1,SFL2	IF NOT REDUCE MODE FOR LCM FIELD LENGTH	CPS064	1210	A
COMPASS		SA6	FLLF	CLEAR FIXED FLL FLAG	CPS064	1211	A
COMPASS		SA2	CP.STEXT		CPS064	1212	A
COMPASS		SA3	CP.LIB	CHECK FOR SYSTEM TEXTS TO BE LOADED	CPS064	1213	A
COMPASS		LX1	1-59		CPS064	1214	A
COMPASS		AX1	30	CURRENT LCM FIELD LENGTH	CPS064	1215	A
COMPASS		IX2	X2+X3		CPS064	1216	A
COMPASS		SX6	20000B		CPS064	1217	A
COMPASS	+	NZ	X2,*+1	IF NOT *S=0*	CPS064	1218	A
COMPASS		SX6	10000B		CPS064	1219	A
COMPASS	+	IX2	X1-X6		CPS064	1220	A
COMPASS		PL	X2,SFL2	IF ENOUGH ROOM	CPS064	1221	A
COMPASS		LX6	30		CPS064	1222	A
COMPASS		SA6	SFLB		CPS064	1223	A
COMPASS		MEMORY	LCM,SFLB,R	REQUEST MORE LCM FIELD LENGTH	CPS064	1224	A
COMPASS		SA1	SFLB		CPS064	1225	A
COMPASS		AX1	30		CPS064	1226	A
COMPASS		BX6	X1	UPDATE ACTUAL FIELD LENGTH	CPS064	1227	A
COMPASS		SA6	CP.AFLL		CPS064	1228	A
COMPASS	LCM	ENDIF			CPS064	1229	A
COMPASS					CPS064	1230	A
COMPASS	SFL2	BSS	0		CPS064	1231	A
COMPASS	OVL	IFNE	OVERLAY,0		CPS064	1232	A
COMPASS		SA1	RA.LWP	INITIALIZE SUBROUTINE *OVL*	CPS064	1233	A
COMPASS		SA2	CP.BATCH		CPS064	1234	A
COMPASS		LX1	59-18		CPS064	1235	A
COMPASS		LX2	59-11		CP139CP	164	A
COMPASS		BX1	X1+X2		CPS064	1236	A
COMPASS		MI	X1,SFL3	IF LOADED FROM A LIBRARY OR CALLED BY	CPS064	1237	A
COMPASS		SA1	RA.PGN	A COMPILER	CPS064	1238	A
COMPASS		MX0	42		CPS064	1239	A
COMPASS		BX6	X0*X1	STORE FILE NAME IN LOADER CALL	CPS064	1240	A
COMPASS		SA6	OVLV		CPS064	1241	A
COMPASS		SX7	2040B	THREE-WORD CALL, LOAD OVERLAY FROM FILE	CPS064	1242	A
COMPASS		LX7	36		CPS064	1243	A
COMPASS		SA7	A6+B1		CPS064	1244	A
COMPASS	OVL	ENDIF			CPS064	1245	A
COMPASS					CPS064	1246	A
COMPASS	SFL3	JP	SFL	RETURN	CPS064	1247	A
COMPASS					CPS064	1248	A
COMPASS	SFLA	DATA	C*	COMPASS NEEDS AT LEAST 00000B SCM.*	CPS064	1249	A
COMPASS	SFLB	DATA	0		CPS064	1250	A
COMPASS	SFP	SPACE	4		CPS064	1251	A
COMPASS	**	SFP	-	SET FILE PARAMETERS.	CPS064	1252	A
COMPASS					CPS064	1253	A
COMPASS					CPS064	1254	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	SFP	PS	RETURN	EXIT	CPS064	1255	A	
1	COMPASS					CPS064	1256	A	1
2	COMPASS		IFNE	CP#RM,0,1		CPS064	1257	A	2
3	COMPASS		STORE	I,DX=0		CPS064	1258	A	3
4	COMPASS					CPS064	1259	A	4
5	COMPASS		SA3	E		CPS064	1260	A	5
6	COMPASS		BX6	X3		CPSA168	20	A	6
7	COMPASS		SA6	FTNE	SAVE CONTENTS OF E FET FOR FTN'S SAKE.	CPSA168	21	A	7
8	COMPASS		SA4	CP.LISTF		CPS064	1261	A	8
9	COMPASS		SX0	BUFFERS		CPS064	1262	A	9
10	COMPASS		ZR	X3,SFP2	IF NO ERROR FILE	CPS064	1263	A	10
11	COMPASS		ZR	X4,SFP1	IF NO LONG LISTING WANTED	CPS064	1264	A	11
12	COMPASS		SA4	0		CPS064	1265	A	12
13	COMPASS		MX6	42		CPS064	1266	A	13
14	COMPASS		BX5	X3-X4	COMPARE ERROR AND MAIN LISTING FILE NAMES	CPS064	1267	A	14
15	COMPASS		BX6	X6*X5		CPS064	1268	A	15
16	COMPASS		NZ	X6,SFP1	IF NOT SAME FILE	CPS064	1269	A	16
17	COMPASS		SA6	A3	CLEAR ERROR FILE	CPS064	1270	A	17
18	COMPASS		EQ	SFP2		CPS064	1271	A	18
19	COMPASS	SFP1	BSS	0		CPS064	1272	A	19
20	COMPASS					CPS064	1273	A	20
21	COMPASS		IFEQ	CP#RM,0,2		CPS064	1274	I	21
22		-F7540CP							22
23	COMPASS		IFEQ	CP#RM,0,1		F7540CP	119	A	23
24	COMPASS		SA2	E+2		CPS064	1275	A	24
25	COMPASS		ELSE	2		CPS064	1276	I	25
26		-F7540CP							26
27	COMPASS		IFC	LT, "MODEL" 75 ,1		CPS064	1277	I	27
28		-F7540CP							28
29	COMPASS		IFEQ	CP#RM,6,1		F7540CP	120	I	29
30		-CPSA134							30
31	COMPASS		FETCH	E,FWB,X2		CPS064	1278	I	31
32		-CPSA134							32
33	COMPASS					CPS064	1279	I	33
34		-CPSA134							34
35	COMPASS		SX1	A3		CPS064	1280	A	35
36	COMPASS		NZ	X2,SFP2	IF BUFFERS HAVE BEEN SWITCHED	CPS064	1281	A	36
37	COMPASS		SA4	E+4		CPSA184	18	A	37
38	COMPASS		BX6	X4		CPSA184	19	A	38
39	COMPASS		SA6	FTNE+1	SAVE EBUFL	CPSA184	20	A	39
40	COMPASS		RJ	SBA	SET ERROR BUFFER ADDRESS	CPS064	1282	A	40
41	COMPASS	SFP2	SA3	CP.LISTF		CPS064	1283	A	41
42	COMPASS		SX1	R		CPS064	1284	A	42
43	COMPASS		ZR	X3,SFP3	IF NO LISTING	CPS064	1285	A	43
44	COMPASS		RJ	SBA	SET CROSS REFERENCE BUFFER ADDRESS	CPS064	1286	A	44
45	COMPASS	SFP3	SX1	S		CPS064	1287	A	45
46	COMPASS		RJ	SBA	SET SCRATCH BUFFER ADDRESS	CPS064	1288	A	46
47	COMPASS					CPS064	1289	A	47
48	COMPASS		IFNE	DEBUG,0,2		CPS064	1290	A	48
49	COMPASS		SX1	D		CPS064	1291	A	49
50	COMPASS		RJ	SBA	SET SNAPPER BUFFER ADDRESS	CPS064	1292	A	50
51	COMPASS					CPS064	1293	A	51
52									52
53		0	1	2	3	4	5	6	53
54		1234567890123456789012345678901234567890123456789012345678901234567890							54

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	B	IFEQ	CP#RM,0		CPS064	1294	A
COMPASS		SA1	B+1	CHANGE *FET LG0,0BUF,0BUFL,7*	CPS064	1295	A
COMPASS		SX7	BBUFL	TO *FET LG0,,BBUFL,7*	CPS064	1296	A
COMPASS		SX2	X1	FOR SBA	CPS064	1297	A
COMPASS		BX6	X1-X2		CPS064	1298	A
COMPASS		SA7	B+4	LIMIT = BBUFL	CPS064	1299	A
COMPASS		SA6	A1	FIRST = 0	CPS064	1300	A
COMPASS	B	ELSE			CPS064	1301	I
-CPSA134							
COMPASS	B	IFEQ	CP#RM,6		CPS064	1302	I
-CPSA134							
COMPASS	B	IFC	LT, "MODEL" 75		CPS064	1303	I
-F7540CP		-CPSA134					
COMPASS		ENV	(4,5,7,8),X		F7540CP	121	I
-CPSA134							
COMPASS		SKIP			F7540CP	122	I
-CPSA134							
COMPASS	X	ELSE			F7540CP	123	I
-CPSA134							
COMPASS		SX2	BBUFL		CPS064	1304	I
-CPSA134							
COMPASS		STORE	B,BFS=X2		CPS064	1305	I
-CPSA134							
COMPASS	X	ENDIF			F7540CP	124	I
-CPSA134							
COMPASS	B	ENDIF			CPS064	1306	A
COMPASS					CPS064	1307	A
COMPASS		SX1	B		CPS064	1308	A
COMPASS		SX3	X0		CPS064	1309	A
COMPASS		RJ	SBA	SET BINARY BUFFER ADDRESS	CPS064	1310	A
COMPASS					CPS064	1311	A
COMPASS		IFEQ	CP#RM,0,2		CPS064	1312	A
COMPASS		SX1	X		CPS064	1313	A
COMPASS		ELSE	1		CPS064	1314	A
COMPASS		SX1	/PASS1/XDUM		CPS064	1315	A
COMPASS					CPS064	1316	A
COMPASS		SX0	X3	BINARY BUFFER ADDRESS	CPS064	1317	A
COMPASS		RJ	SBA	SET XTEXT BUFFER ADDRESS	CPS064	1318	A
COMPASS					CPS064	1319	A
COMPASS		IFNE	DEBUG,0,3		CPS064	1320	A
COMPASS		SX0	X3		CPS064	1321	A
COMPASS		SX1	/DEBUG/P		CPS064	1322	A
COMPASS		RJ	SBA	SET PATCHES BUFFER ADDRESS	CPS064	1323	A
COMPASS					CPS064	1324	A
COMPASS		BX1	X0		CPS064	1325	A
COMPASS		RJ	ACL	ADJUST CORE LIMITS	CPS064	1326	A
COMPASS					CPS064	1327	A
COMPASS		EQ	SFP	RETURN	CPS064	1328	A
COMPASS	SLF	SPACE	4,10		CPSA142	61	A
COMPASS	**	SLF	- SET LIST FLAGS.		CPSA142	62	A
COMPASS	*	EXIT	TO ARG0 ON BAD *LO* ARGUMENT.		CPSA142	63	A
COMPASS					CPSA142	64	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS						CPSA142	65	A
COMPASS	SLF	PS		RETURN EXIT		CPSA142	66	A
COMPASS		SA1	SLFA			CPSA142	67	A
COMPASS		SA3	ABTF			CPSA142	68	A
COMPASS		SA4	CP.ABORT			CPSA142	69	A
COMPASS		BX6	X1			CPSA142	70	A
COMPASS		LX1	18			CPSA142	71	A
COMPASS		SA6	XLIST			CPSA142	72	A
COMPASS		BX7	X3+X4			CPSA142	73	A
COMPASS		SA7	A4			CPSA142	74	A
COMPASS		SX7	B1			CPSA142	75	A
COMPASS		MX0	-6			CPSA142	76	A
COMPASS		SX6	X1-1L0			CPSA142	77	A
COMPASS		SB2	B1+B1			CPSA142	78	A
COMPASS		LX1	-18			CPSA142	79	A
COMPASS		NZ	X6,SLF1	IF NOT *LO=0*		CPSA142	80	A
COMPASS		MX1	0			CPSA142	81	A
COMPASS		SA6	A6			CPSA142	82	A
COMPASS	SLF1	ZR	X1,SLF	IF NO LIST FLAGS		CPSA142	83	A
COMPASS		LX1	6			CPSA142	84	A
COMPASS		BX2	-X0*X1			CPSA142	85	A
COMPASS		SB7	X2			CPSA142	86	A
COMPASS		IX1	X1-X2			CPSA142	87	A
COMPASS		SB6	B7-1R\$			CPSA142	88	A
COMPASS		SA3	LISTOPS	CHECK LIST OPTION TABLE		CPSA142	89	A
COMPASS		SB5	LLISTOPS			CPSA142	90	A
COMPASS		ZR	B6,SLF4	IF \$		CPSA142	91	A
COMPASS	SLF2	UX6	B6,X3			CPSA142	92	A
COMPASS		SB5	B5-B2			CPSA142	93	A
COMPASS		EQ	B6,B7,SLF3	IF OPTION FOUND		CPSA142	94	A
COMPASS		SA3	A3+B2			CPSA142	95	A
COMPASS		NZ	B5,SLF2	LOOP		CPSA142	96	A
COMPASS		SX6	2RLO			CPSA142	97	A
COMPASS		LX6	-12			CPSA142	98	A
COMPASS		SA6	ARGM+3	*BAD CONTROL CARD ARGUMENT - LO*		CPSA142	99	A
COMPASS		EQ	ARGE			CPSA142	100	A
COMPASS	SLF3	BX6	X3-X7	TOGGLE LIST FLAG		CPSA142	101	A
COMPASS		SA6	A3			CPSA142	102	A
COMPASS		EQ	SLF1	LOOP TO END OF FLAGS		CPSA142	103	A
COMPASS						CPSA142	104	A
COMPASS	SLF4	BX6	X3+X7	\$ FOUND, TURN ON ALL LIST FLAGS		CPSA142	105	A
COMPASS		SA6	A3			CPSA142	106	A
COMPASS		SB5	B5-B2			CPSA142	107	A
COMPASS		SA3	A3+B2			CPSA142	108	A
COMPASS		NZ	B5,SLF4	LOOP		CPSA142	109	A
COMPASS		EQ	SLF1			CPSA142	110	A
COMPASS	SMP	SPACE	4,10		F4810B	F4810B	268	A
COMPASS	**	SMP	- SET UP MEMORY REQUEST PARAMETERS		F4810B	F4810B	269	A
COMPASS	*		OBTAINS THE MAXIMUM FL. AVAILABLE TO THE JOB.			CPSA125	54	A
COMPASS	*		DETERMINES WHETHER THE FL. AT WHICH TABLES ARE TO BE DUMPED			CPSA125	55	A
COMPASS	*		TO FILES (MIDFLN) IS VALID. THIS IS DONE BY CHECKING THE			CPSA125	56	A
COMPASS	*		CURRENT FL. TO SEE WHETHER IT IS LARGER THAN MIDFLN. IF IT			CPSA125	57	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPSA265

1	COMPASS	-CPSA265	BX6	X1		F4810A	F4810A	224	I	1
2	COMPASS	-CPSA265	SA6	COMPPS	SAVE COMPILER PAGE SIZE	F4810A	F4810A	225	I	2
3	COMPASS	-CPSA265	BX7	-X1	FORTTRAN PASSES COMPLIMENT OF PAGE SIZE	F4810A	F4810A	226	I	3
4	COMPASS	-CPSA265	SA3	=0LT		F4810A	F4810A	227	I	4
5	COMPASS	-CPSA265	SX6	6D		F4810A	F4810A	228	I	5
6	COMPASS	-CPSA265	MX0	6			CPS236	55	I	6
7	COMPASS	-CPSA265	BX2	X2*X0	EXTRACT 1ST CHARACTER		CPS236	56	I	7
8	COMPASS	-CPSA265	IX3	X3-X2		F4810A	F4810A	229	I	8
9	COMPASS	-CPSA265	NZ	X3,SPF1	IF SIX LINES/INCH	F4810A	F4810A	230	I	9
10	COMPASS	-CPSA265	SX6	8D	ELSE EIGHT LINES/INCH	F4810A	F4810A	231	I	10
11	COMPASS	-CPSA265	SPF1	SA6	A2	F4810A	F4810A	232	I	11
12	COMPASS	-CPSA265	SX2	X7-4D		F4810A	F4810A	233	I	12
13	COMPASS	-CPSA265	MI	X2,SPF2	IF PAGE SIZE LT 4D LINES/PAGE	F4810A	F4810A	234	I	13
14	COMPASS	-CPSA265	SB2	X7-99D		F4810A	F4810A	235	I	14
15	COMPASS	-CPSA265	LE	B2,SPF3	IF PAGE SIZE LE 99D LINES/PAGE	F4810A	F4810A	236	I	15
16	COMPASS	-CPSA265	SPF2	SX7	IP.PS		F4810A	237	I	16
17	COMPASS	-CPSA265	SPF3	SA7	CP.PS	F4810A	F4810A	238	I	17
18	COMPASS	-CPSA265	BX1	X7		F4810A	F4810A	239	I	18
19	COMPASS	-CPSA265	SPF4	SA2	NEJF	F4810A	F4810A	240	I	19
20	COMPASS	-CPSA265	NZ	X2,SPF5	IF *N* NOT SPECIFIED (EJECT)	F4810A	F4810A	241	I	20
21	COMPASS	-CPSA181	-CPSA265	SX1	B0	F4810A	F4810A	242	I	21
22	COMPASS	-CPSA181	-CPSA265	IX6	X1+X2	F4810A	F4810A	243	I	22
23	COMPASS	-CPSA181	-CPSA265	SA6	PSIZE	F4810A	F4810A	244	I	23
24	COMPASS	-CPSA181	-CPSA265	ZR	X2,SPF5		CPSA181	8	I	24
25	COMPASS	-CPSA265	IX6	X1+X2	CP.PS+5		CPSA181	9	I	25
26	COMPASS	-CPSA265	SA6	NEJF	SET *N* CONTROLLED PAGE SIZE		CPSA181	10	I	26

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- CPSA265

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPSA265

1	COMPASS	SA2	CP.BATCH		CPSA265	66	A	1	
2	COMPASS	LX2	59-11		CPSA265	67	A	2	
3	COMPASS	MX0	6		CPSA265	68	A	3	
4	COMPASS	PL	X2,SPF2	IF COMPASS WAS NOT CALLED BY COMPILER	CPSA265	69	A	4	
5	COMPASS	SA1	CP.PS	GET COMPILER PAGE SIZE	CPSA265	70	A	5	
6	COMPASS	SA2	CP.PD	GET COMPILER PRINT DENSITY	CPSA265	71	A	6	
7	COMPASS	BX6	X2		CPSA265	72	A	7	
8	COMPASS	SA3	CP.PW	GET COMPILER PRINT WIDTH	CPSA265	73	A	8	
9	COMPASS	SA6	COMPPD	SAVE COMPILER PRINT DENSITY	CPSA265	74	A	9	
10	COMPASS	LX7	X3		CPSA265	75	A	10	
11	COMPASS	BX6	X1		CPSA265	76	A	11	
12	COMPASS	SA7	COMPPW	SAVE COMPILER PRINT WIDTH	CPSA265	77	A	12	
13	COMPASS	SA6	COMPPS	SAVE COMPILER PAGE SIZE	CPSA265	78	A	13	
14	COMPASS	BX7	-X1	FTN PASSES COMPLIMENT OF PAGE SIZE	CPSA265	79	A	14	
15	COMPASS	SA3	SPFB+1	8LPI	CPSA265	80	A	15	
16	COMPASS	SX6	6D	PRESET 6LPI	CPSA265	81	A	16	
17	COMPASS	BX3	X0*X3		CPSA265	82	A	17	
18	COMPASS	BX2	X0*X2		CPSA265	83	A	18	
19	COMPASS	IX3	X3-X2		CPSA265	84	A	19	
20	COMPASS	NZ	X3,SPF1	IF 6LPI	CPSA265	85	A	20	
21	COMPASS	SX6	8D	8LPI	CPSA265	86	A	21	
22	COMPASS	SPF1	SA6	CP.PD	STORE NUMERICAL VALUE FOR PRINT DENSITY	CPSA265	87	A	22
23	COMPASS		SA7	CP.PS	STORE PAGE SIZE FROM COMPILER	CPSA265	88	A	23
24	COMPASS				CPSA265	89	A	24	
25	COMPASS	SPF2	GETPAGE	SPFA	GET CURRENT JOB/SYSTEM PAGE SIZE	CPSA265	90	A	25
26	COMPASS		SA1	SPFA	GET JOB VALUES	CPSA265	91	A	26
27	COMPASS		MX3	-8	*PS* FIELD WIDTH	CPSA265	92	A	27
28	COMPASS		AX1	12	POSITION FOR *PW*	CPSA265	93	A	28
29	COMPASS		SA2	CP.PW		CPSA265	94	A	29
30	COMPASS		BX6	-X3*X1		CPSA265	95	A	30
31	COMPASS		NZ	X2,SPF3	IF *PW* SPECIFIED	CPSA265	96	A	31
32	COMPASS		SA6	A2		CPSA265	97	A	32
33	COMPASS	SPF3	AX1	8	POSITION FOR *PS*	CPSA265	98	A	33
34	COMPASS		SA2	CP.PS		CPSA265	99	A	34
35	COMPASS		BX6	-X3*X1		CPSA265	100	A	35
36	COMPASS		NZ	X2,SPF4	IF *PS* SPECIFIED	CPSA265	101	A	36
37	COMPASS		SA6	A2		CPSA265	102	A	37
38	COMPASS	SPF4	AX1	8	POSITION FOR *PD*	CPSA265	103	A	38
39	COMPASS		MX3	-4		CPSA265	104	A	39
40	COMPASS		SA2	CP.PD		CPSA265	105	A	40
41	COMPASS		BX6	-X3*X1		CPSA265	106	A	41
42	COMPASS		NZ	X2,SPF5	IF *PD* SPECIFIED	CPSA265	107	A	42
43	COMPASS		SA6	A2		CPSA265	108	A	43
44	COMPASS	SPF5	AX6	1	DIVIDE BY 2	CPSA265	109	A	44
45	COMPASS		SA2	A2	GET CURRENT *PD*	CPSA265	110	A	45
46	COMPASS		AX2	1		CPSA265	111	A	46
47	COMPASS		SA4	SPFB-3+X2		CPSA265	112	A	47
48	COMPASS		BX7	X4		CPSA265	113	A	48
49	COMPASS		SA7	FRSTLIN	SET INITIAL *PD* (ALWAYS)	CPSA265	114	A	49
50	COMPASS		IX7	X6-X2		CPSA265	115	A	50
51	COMPASS		ZR	X7,SPF6	IF CC *PD* AND JOB *PD* ARE EQUAL	CPSA265	116	A	51

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS		SA3	SPFB-3+X6	GET JOB DEFAULT *PD*		CPSA265	117	A	
1	COMPASS		BX7	X3			CPSA265	118	A	
2	COMPASS	SPF6	SA7	LASTLIN	SET EXIT *PD* (=0 IF NO CHANGE)		CPSA265	119	A	
3	COMPASS		SA1	CP.PS	GET CURRENT *PS*		CPSA265	120	A	
4	COMPASS		SX4	X1-4D			CPSA265	121	A	
5	COMPASS		SX7	4	PRESET MIN = 4D		CPSA265	122	A	
6	COMPASS		NG	X4,SPF7	IF *PS* .LT. 4 - USE MIN = 4		CPSA265	123	A	
7	COMPASS		SX4	X1-100D			CPSA265	124	A	
8	COMPASS		NG	X4,SPF8	IF 4.LE.PS.LT.100		CPSA265	125	A	
9	COMPASS		SX7	99D	SET MAX = 99D		CPSA265	126	A	
10	COMPASS	SPF7	SA7	CP.PS			CPSA265	127	A	
11	COMPASS		MESSAGE	ARGA,,R	DIAGNOSE PAGE SIZE ADJUSTED		CPSA265	128	A	
12	COMPASS	SPF8	SA1	CP.PS			CPSA265	129	A	
13	COMPASS		SA2	NEJF			CPSA265	130	A	
14	COMPASS		ZR	X2,SPF9	IF *N* NOT SPECIFIED		CPSA265	131	A	
15	COMPASS		IX6	X1+X2			CPSA265	132	A	
16	COMPASS		SA6	A2			CPSA265	133	A	
17	COMPASS	SPF9	SA2	CP.BLF			CPSA265	134	A	
18	COMPASS		ZR	X2,SPF10	IF *BL* NOT SPECIFIED		CPSA265	135	A	
19	COMPASS		SX2	X1+5	ELSE, BL CONTROLLED PAGE SIZE = CP.PS+5		CPSA265	136	A	
20	COMPASS	SPF10	BX6	X2			CPSA265	137	A	
21	COMPASS		SA6	PSIZE			CPSA265	138	A	
22	COMPASS		EQ	SPF			CPSA265	139	A	
23	COMPASS						CPSA265	140	A	
24	COMPASS	SPFA	BSSZ	2	GETPAGE RETURN DATA		CPSA265	141	A	
25	COMPASS	SPFB	DATA	10HS	6LPI		CPSA265	142	A	
26	COMPASS		DATA	10HT	8LPI		CPSA265	143	A	
27	COMPASS						CPSA265	144	A	
28	COMPASS					F4810A	F4810A	261	A	
29	COMPASS	ZLC	SPACE	4			CPS064	1329	A	
30	COMPASS	**	ZLC	- ZERO FIRST 100B WORDS OF LCM FIELD LENGTH, IF ANY.			CPS064	1330	A	
31	COMPASS	*	THIS AREA IS USED BY *CLS* FOR RAPID CLEARING OF SCM AREAS.				CPS064	1331	A	
32	COMPASS						CPS064	1332	A	
33	COMPASS						CPS064	1333	A	
34	COMPASS	ZLC	PS		RETURN EXIT		CPS064	1334	A	
35	COMPASS		SA1	CP.AFLL			CPS064	1335	A	
36	COMPASS		ZR	X1,ZLC	IF NO LCM FIELD LENGTH		CPS064	1336	A	
37	COMPASS		MX1	0			CPS064	1337	A	
38	COMPASS		SX2	ZLCA			CPS064	1338	A	
39	COMPASS		SX3	100B			CPS064	1339	A	
40	COMPASS		RJ	WLC	WRITE LCM		CPS064	1340	A	
41	COMPASS		EQ	ZLC	RETURN		CPS064	1341	A	
42	COMPASS						CPS064	1342	A	
43	COMPASS	ZLCA	BSSZ	100B			CPS064	1343	A	
44	COMPASS	OPTS	SPACE	4,10		F4810A	F4810A	262	A	
45	COMPASS	**	OPTS	- TABLE OF CONTROL CARD OPTIONS.			F4810A	F4810A	263	A
46	COMPASS	*				F4810A	F4810A	264	A	
47	COMPASS	*	BITS	CONTENTS		F4810A	F4810A	265	A	
48	COMPASS	*	59-48	ARGUMENT		F4810A	F4810A	266	A	
49	COMPASS	*	47-30	IF LT 0, -ADDRESS OF DEFAULT, = NOT ALLOWED.			F4810A	F4810A	267	A
50	COMPASS	*		IF GT 0, ADDRESS OF DEFAULT, = ALLOWED.			F4810A	F4810A	268	A
51	COMPASS	*	29-00	IF LT 0, -ADDRESS OF SPECIAL PROCESSOR.			F4810A	F4810A	269	I

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-CPS214

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	VFD	12/0LBL,18/OPTBL,30/CP.BLF	CPSA181	16	A			
1	COMPASS	VFD	12/0LD,18/-OPTD,30/CP.ERRCT	CPS214	20	A			
2	COMPASS	VFD	12/0LE,18/OPTD,2/0,28/-ARG7A	CPS214	21	A			
3	COMPASS	VFD	12/0LF,18/OPTF,30/FVAL	CPS214	22	A			
4	COMPASS	VFD	12/0LG,18/OPTG,1/1,1/0,28/-ARG8	CPS214	23	A			
5	COMPASS	VFD	12/0LI,18/OPTI,30/I	CPS214	24	A			
6	COMPASS	VFD	12/0LL,18/OPTL,30/0	CPS214	25	A			
7	COMPASS	VFD	12/0LLO,18/OPTLO,2/0,28/-ARG15	CPS214	26	A			
8	COMPASS	VFD	12/0LML,18/OPTML,2/0,28/-ARG14	CPS214	27	A			
9	COMPASS	VFD	12/0LN,18/-OPTN,30/NEJF	CPS214	28	A			
10	COMPASS	VFD	12/0LO,18/OPTO,2/0,28/-ARG7A	CPS214	29	A			
11	COMPASS	VFD	12/0LP,18/-OPTP,30/CP.PAGE	CPS214	30	A			
12	COMPASS	VFD	12/0LPC,18/BLANKS,2/0,28/-ARG19	CPS214	31	A			
13	COMPASS	VFD	12/0LS,18/OPTS,1/1,1/0,28/-ARG10	CPS214	32	A			
14	COMPASS	IFNE	SPY,0,1	CPS214	33	A			
15	COMPASS	VFD	12/0LW,18/OPTW,30/SPYPAR	CPS214	34	A			
16	COMPASS	VFD	12/0LX,18/OPTX,30/CP.XNAME	CPS214	35	A			
17	COMPASS	VFD	12/0LPD,18/CP.PD,2/0,28/-ARG24	CPS214	36	A			
18	COMPASS	VFD	12/0LPS,18/CP.PS,2/0,28/-ARG26	CPS214	37	A			
19	COMPASS	LOPT	EQU *-OPT	F4810A	F4810A	293	A		
20	COMPASS			F4810A	F4810A	294	A		
21	COMPASS			F4810A	F4810A	295	A		
22	COMPASS	OPTA	DATA 1S29	F4810A	F4810A	296	A		
23	COMPASS	OPTB	DATA 0LLGO	F4810A	F4810A	297	A		
24	COMPASS	OPTBL	DATA 1		CPSA181	17	A		
25	COMPASS	OPTD	DATA 1BS59	F4810A	F4810A	298	A		
26	COMPASS	OPTD	DATA 0LERRS		CPSA142	113	A		
27	COMPASS	OPTF	DATA 0LCOMPASS	F4810A	F4810A	299	A		
28	COMPASS	OPTG	DATA 0LSYSTEXT	F4810A	F4810A	300	A		
29	COMPASS	OPTI	DATA 0LCOMPILE	F4810A	F4810A	301	A		
30	COMPASS	OPTL	DATA 0LOUTPUT	F4810A	F4810A	302	A		
31	COMPASS	OPTLO	DATA 0LCFGX	F4810A	F4810A	303	A		
32	COMPASS	OPTML	DATA 0L"JDATE"	F4810A	F4810A	304	A		
33	COMPASS	OPTN	DATA 0	F4810A	F4810A	305	A		
34	COMPASS	OPTO	DATA 0LOUTPUT	F4810A	F4810A	306	A		
35	COMPASS	OPTP	DATA 0	F4810A	F4810A	307	A		
36	COMPASS	OPTS	DATA 0LSYSTEXT	F4810A	F4810A	308	A		
37	COMPASS	OPTW	DATA 0L100	F4810A	F4810A	309	A		
38	COMPASS	OPTX	DATA 0LOPL	F4810A	F4810A	310	A		
39	COMPASS			F4810A	F4810A	311	A		
40	COMPASS			F4810A	F4810A	312	A		
41	COMPASS	ABTF	DATA 0	F4810A	F4810A	313	A		
42	COMPASS	ELFN	DATA 0LOUTPUT	F4810A	F4810A	314	A		
43	COMPASS	ERFFLG	DATA 0	RESET TO 1 WHEN 0 OR E PARAMETER FOUND		CPSA142	114	A	
44	COMPASS	FVAL	DATA 0	F4810A	F4810A	315	A		
45	COMPASS	ARGA	DATA C* PAGE SIZE RANGE 4 - 99.*		CPSA265	145	A		
46	COMPASS	ARGL	DATA 10H	F4810A	F4810A	316	A		
47	COMPASS	ARGM	DIS ,* BAD CONTROL CARD ARGUMENT - XXXXXXX*	F4810A	F4810A	317	A		
48	COMPASS	ARGN	DIS ,* MORE THAN 7 SYSTEM TEXTS SPECIFIED.*	F4810A	F4810A	318	A		
49	COMPASS	ARGQ	CON 0REXECUTE	F4810A	F4810A	319	A		
50	COMPASS	*	+ - * / ( ) \$ = BL	F4810A	F4810A	320	A		
51	COMPASS	GACA	VFD 4/1,4/1,4/0,4/2,4/1,4/-1,4/0,4/3,4/-0,4/1,4/-1,16/0	F4810A	F4810A	321	A		
52									
53	0	1	2	3	4	5	6	7	8
54	1234567890123456789012345678901234567890123456789012345678901234567890								

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	GACB	CON	0	STORAGE FOR SAVING (X6)	F4810A	F4810A	322	A
COMPASS	GACC	CON	0	STATUS WORD FOR CONTRLC	F4810A	F4810A	323	A
COMPASS	GACD	CON	40404040404040404040B		F4810A	F4810A	324	A
COMPASS	GACE	DATA	C* NO CONTROL CARD TERMINATOR.*		F4810A	F4810A	325	A
COMPASS	GACF	DATA	10H		F4810A	F4810A	326	A
COMPASS	FNAME	DATA	0LCOMPASS 0	TABLE OF NAMES FOR *F* PARAMETER	F4810A	F4810A	327	A
COMPASS		DATA	0LRUN 1		F4810A	F4810A	328	A
COMPASS		DATA	0LFTN 2		F4810A	F4810A	329	I
	-CPSA240							
COMPASS		DATA	0LFTN4 2			CPSA240	8	A
COMPASS		DATA	0LFTN5 3			CPSA240	9	A
COMPASS	NFNAME	EQU	*-FNAME		F4810A	F4810A	330	A
COMPASS	SLFA	DATA	0	LIST FLAG TEMPORARY	F4810A	F4810A	331	A
COMPASS	DMF	EJECT				CPS258	6	A
COMPASS	CLFN	MACRO	F1,F2			CPS258	7	A
COMPASS		LOCAL	EXIT			CPS258	8	A
COMPASS		SA1	F1			CPS258	9	A
COMPASS		SA2	F2			CPS258	10	A
COMPASS		ZR	X1,EXIT			CPS258	11	A
COMPASS		ZR	X2,EXIT			CPS258	12	A
COMPASS		BX1	X1-X2			CPS258	13	A
COMPASS		ZR	X1,ARGF			CPS258	14	A
COMPASS	EXIT	BSS	0			CPS258	15	A
COMPASS	CLFN	ENDM				CPS258	16	A
COMPASS		SPACE	4			CPS258	17	A
COMPASS	**	DMF	-	DIAGNOSE MISUSED FILES. DIAGNOSES SAME FILE		CPS258	18	A
COMPASS	*			DECLARED FOR LIST/INPUT/BINARY/XTEXT COMBINATION.		CPS258	19	A
COMPASS	*					CPS258	20	A
COMPASS	*	ENTRY	NONE			CPS258	21	A
COMPASS	*	EXIT	NONE			CPS258	22	A
COMPASS	*	USES	A1,A2,X1,X2			CPS258	23	A
COMPASS						CPS258	24	A
COMPASS	DMF	PS				CPS258	25	A
COMPASS		CLFN	0,B			CPS258	26	A
COMPASS		CLFN	0,CP.XNAME			CPS258	27	A
COMPASS		CLFN	0,I			CPS258	28	A
COMPASS		CLFN	B,CP.XNAME			CPS258	29	A
COMPASS		CLFN	B,I			CPS258	30	A
COMPASS		CLFN	B,ELFN			CPS258	31	A
COMPASS		CLFN	CP.XNAME,I			CPS258	32	A
COMPASS		CLFN	CP.XNAME,ELFN			CPS258	33	A
COMPASS		EQ	DMF			CPS258	34	A
COMPASS						CPS258	35	A
COMPASS	ARGF	MESSAGE	ARGLFN,,R			CPS258	36	A
COMPASS		ABORT	,NODUMP			CPS258	37	A
COMPASS						CPS258	38	A
COMPASS	ARGLFN	DIS	,*FILE USE CONTRADICTION*			CPS258	39	A
COMPASS	OPS	EJECT				CPS064	1344	A
COMPASS	**	OPCODE	TABLE PROTOTYPE.			CPS064	1345	A
COMPASS						CPS064	1346	A
COMPASS						CPS064	1347	A
COMPASS		USE	OPCODES			CPS064	1348	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SEG	OPCODE	TABLE	PROTOTYPE.	CPS064	1349	A
1 COMPASS	BASE	MIXED			CPS064	1350	A
2 COMPASS	CPOP	SPACE	4		CPS064	1351	A
3 COMPASS	**	FIELD	DEFINITIONS FOR CENTRAL PROCESSOR OPERATIONS.				A
4 COMPASS					CPS064	1353	A
5 COMPASS					CPS064	1354	A
6 COMPASS	Q	MICRO	1,,	*001*	CPS064	1355	A
7 COMPASS	A	MICRO	1,,	*040*	CPS064	1356	A
8 COMPASS	AQ	MICRO	1,,	*041*	CPS064	1357	A
9 COMPASS	B	MICRO	1,,	*100*	CPS064	1358	A
10 COMPASS	BQ	MICRO	1,,	*101*	CPS064	1359	A
11 COMPASS	X	MICRO	1,,	*140*	CPS064	1360	A
12 COMPASS	XQ	MICRO	1,,	*141*	CPS064	1361	A
13 COMPASS	-B	MICRO	1,,	*300*	CPS064	1362	A
14 COMPASS	-X	MICRO	1,,	*340*	CPS064	1363	A
15 COMPASS	X+B	MICRO	1,,	*144*	CPS064	1364	A
16 COMPASS	B+X	MICRO	1,,	*106*	CPS064	1365	A
17 COMPASS	A+B	MICRO	1,,	*044*	CPS064	1366	A
18 COMPASS	B+A	MICRO	1,,	*102*	CPS064	1367	A
19 COMPASS	A-B	MICRO	1,,	*054*	CPS064	1368	A
20 COMPASS	B+B	MICRO	1,,	*104*	CPS064	1369	A
21 COMPASS	B-B	MICRO	1,,	*114*	CPS064	1370	A
22 COMPASS	-B+A	MICRO	1,,	*302*	CPS064	1371	A
23 COMPASS	-B+B	MICRO	1,,	*304*	CPS064	1372	A
24 COMPASS	X+X	MICRO	1,,	*146*	CPS064	1373	A
25 COMPASS	X-X	MICRO	1,,	*156*	CPS064	1374	A
26 COMPASS	X*X	MICRO	1,,	*166*	CPS064	1375	A
27 COMPASS	X/X	MICRO	1,,	*176*	CPS064	1376	A
28 COMPASS	-X+X	MICRO	1,,	*346*	CPS064	1377	A
29 COMPASS	-X-X	MICRO	1,,	*356*	CPS064	1378	A
30 COMPASS	-X*X	MICRO	1,,	*366*	CPS064	1379	A
31 COMPASS	CPOPA	SPACE	4		CPS064	1380	A
32 COMPASS	**	CPOPA	- REMOVE ONE LEVEL OF MICRO.				A
33 COMPASS	*	CPOPA	P1		CPS064	1382	A
34 COMPASS	*	ENTRY	(P1) = MICRO NAME.				A
35 COMPASS	*	EXIT	(D) = MICRO NAME.				A
36 COMPASS					CPS064	1385	A
37 COMPASS					CPS064	1386	A
38 COMPASS	CPOPA	MACRO	P1		CPS064	1387	A
39 COMPASS	D	MICRO	1,,	"P1"	CPS064	1388	A
40 COMPASS		ENDM			CPS064	1389	A
41 COMPASS	CPUOP	SPACE	4		CPS064	1390	A
42 COMPASS	**	CPUOP	- CENTRAL PROCESSER OPERATION MACRO.				A
43 COMPASS	*	CPUOP	CTL,VAL,REQ,N1,N2,N3				A
44 COMPASS	*	ENTRY	(CTL) = 4 - FORCE UPPER AFTER INSTRUCTION.				A
45 COMPASS	*		2 - FORCE UPPER BEFORE INSTRUCTION.				A
46 COMPASS	*		1 - 30-BIT INSTRUCTION.				A
47 COMPASS	*		(VAL) = VALUE OF OPERATION CODE.				A
48 COMPASS	*		(REG) = IJK. (I) = CODE FOR I-PORTION.				A
49 COMPASS	*		1 - OP-CODE PORTION.				A
50 COMPASS	*		2 - 2ND OR ONLY ADDRESS REGISTER.				A
51 COMPASS	*		3 - 1ST OF 2 ADDRESS REGISTERS.				A
52					CPS064	1400	A
53	0	1	2	3	4	5	6
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	*	(NI) = FIELD DEFINITION OF MNEMONIC.	CPS064	1401	A
COMPASS			CPS064	1402	A
COMPASS			CPS064	1403	A
COMPASS	CPUOP	MACRO CTL,VAL,REG,N1,N2,N3	CPS064	1404	A
COMPASS	D	MICRO 3,, \$N1\$	CPS064	1405	A
COMPASS		CPOPA "D"	CPS064	1406	A
COMPASS	MN	MICRO 1,2, \$N1\$	CPS064	1407	A
COMPASS		VFD 24/2R"MN",8/"D",8/"N2",8/"N3",12/1R	CPS064	1408	A
COMPASS		VFD 12/VAL,18/M.,3/CTL,9/REG,18/	CPS064	1409	A
COMPASS		ENDM	CPS064	1410	A
COMPASS	PPUOP	SPACE 4	CPS064	1411	A
COMPASS	**	PPUOP - DEFINE PP INSTRUCTION MACRO.	CPS064	1412	A
COMPASS	*	PPUOP NAME,CTL,VAL	CPS064	1413	A
COMPASS	*	ENTRY (NAME) = MNEMONIC NAME.	CPS064	1414	A
COMPASS	*	(CTL) = 1 - 24-BIT WITH 12-BIT ADDRESS AND NO INDEXING.	CPS064	1415	A
COMPASS	*	2 - 12-BIT WITH SIGNED RELATIVE ADDRESS	CPS064	1416	A
COMPASS	*	OR ABSOLUTE ADDRESS (UJN).	CPS064	1417	A
COMPASS	*	3 - 24-BIT WITH 18-BIT ADDRESS (LDC).	CPS064	1418	A
COMPASS	*	4 - 12-BIT WITH 6-BIT ADDRESS (LDN).	CPS064	1419	A
COMPASS	*	5 - 24-BIT WITH 12-BIT ADDRESS AND OPTIONAL	CPS064	1420	A
COMPASS	*	INDEXING (LDM).	CPS064	1421	A
COMPASS	*	6 - 12-BIT WITH SIGNED RELATIVE ADDRESS (SHN).	CPS064	1422	A
COMPASS	*	7 - 24-BIT WITH 12-BIT ADDRESS AND REQUIRED	CPS064	1423	A
COMPASS	*	SECOND FIELD (FNC).	CPS064	1424	A
COMPASS	*	(VAL) = 12-BIT OPERATION CODE VALUE.	CPS064	1425	A
COMPASS			CPS064	1426	A
COMPASS			CPS064	1427	A
COMPASS	PPUOP	MACRO NAME,CTL,VAL PERIPHERAL MACHINE CODES	CPS064	1428	A
COMPASS		DATA R\$NAME\$	CPS064	1429	A
COMPASS		VFD 3/1,27/M.,3/CTL,27/VAL	CPS064	1430	A
COMPASS		ENDM	CPS064	1431	A
COMPASS	PSEUDO	SPACE 4	CPS064	1432	A
COMPASS	**	PSEUDO - DEFINE PSEUDO INSTRUCTION MACRO.	CPS064	1433	A
COMPASS	*	PSEUDO TYPE,NAME	CPS064	1434	A
COMPASS	*	ENTRY (TYPE) = 2 - CAN NOT OCCUR IN THE FIRST CARD GROUP.	CPS064	1435	A
COMPASS	*	3 - PROCESS WHILE IF SKIPPING.	CPS064	1436	A
COMPASS	*	4 - PERMISSIBLE ANYWHERE.	CPS064	1437	A
COMPASS	*	5 - FIRST CARD GROUP ONLY.	CPS064	1438	A
COMPASS	*	(NAME) = NAME OF PSEUDO OPERATION.	CPS064	1439	A
COMPASS			CPS064	1440	A
COMPASS			CPS064	1441	A
COMPASS	PSEUDO	MACRO TYPE,NAME	CPS064	1442	A
COMPASS		DATA R\$NAME\$	CPS064	1443	A
COMPASS		VFD 3/TYPE,39//PASS1/NAME,18//PASS2/NAME	CPS064	1444	I
COMPASS	-CPS073				
COMPASS		VFD 3/TYPE,12/0,9/N.,18//PASS1/NAME,18//PASS2/NAME	CPS073	12	A
COMPASS	N.	SET N.+1	CPS073	13	A
COMPASS		ENDM	CPS064	1445	A
COMPASS	PSEUD	SPACE 4	CPS064	1446	A
COMPASS	**	PSEUD - DEFINE PSEUDO INSTRUCTION MACRO.	CPS064	1447	A
COMPASS	*	PSEUD TYPE,NAME,PASS1,PASS2	CPS064	1448	A
COMPASS	*	ENTRY (TYPE) = PSEUDO INSTRUCTION TYPE.	CPS064	1449	A
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CPS064	1450	A
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	PPUOP	STI,4,4400	CPS064	1498	A
COMPASS	PPUOP	RAI,4,4500	CPS064	1499	A
COMPASS	PPUOP	AOI,4,4600	CPS064	1500	A
COMPASS	PPUOP	SOI,4,4700	CPS064	1501	A
COMPASS	PPUOP	LDM,5,5000	CPS064	1502	A
COMPASS	PPUOP	ADM,5,5100	CPS064	1503	A
COMPASS	PPUOP	SBM,5,5200	CPS064	1504	A
COMPASS	PPUOP	LMM,5,5300	CPS064	1505	A
COMPASS	PPUOP	STM,5,5400	CPS064	1506	A
COMPASS	PPUOP	RAM,5,5500	CPS064	1507	A
COMPASS	PPUOP	AOM,5,5600	CPS064	1508	A
COMPASS	PPUOP	SOM,5,5700	CPS064	1509	A
COMPASS	PPUOP	IAN,4,7000	CPS064	1510	A
COMPASS	PPUOP	IAM,7,7100	CPS064	1511	A
COMPASS	PPUOP	OAN,4,7200	CPS064	1512	A
COMPASS	PPUOP	OAM,7,7300	CPS064	1513	A
COMPASS			CPS064	1514	A
COMPASS	*	6600 PP OPCODES.	CPS064	1515	I
	-F4830CP				
COMPASS	*	6600 AND V PP OPCODES.	F4830CP	11	A
COMPASS			CPS064	1516	A
COMPASS	M.	SET 1	CPS064	1517	I
	-F4830CP				
COMPASS	M.	SET 5	F4830CP	12	A
COMPASS		PPUOP LRD,4,2400	F4830CP	13	A
COMPASS		PPUOP SRD,4,2500	F4830CP	14	A
COMPASS		PPUOP EXN,4,2600	CPS064	1518	A
COMPASS		PPUOP MXN,4,2610	CPS064	1519	A
COMPASS		PPUOP MAN,4,2620	CPS064	1520	A
COMPASS		PPUOP RPN,4,2700	CPS064	1521	A
COMPASS		PPUOP KEYP,4,2700	F4830CP	15	A
COMPASS		PPUOP CRD,4,6000	CPS064	1522	A
COMPASS		PPUOP CRM,7,6100	CPS064	1523	A
COMPASS		PPUOP CWD,4,6200	CPS064	1524	A
COMPASS		PPUOP CWM,7,6300	CPS064	1525	A
COMPASS		PPUOP AJM,7,6400	CPS064	1526	A
COMPASS		PPUOP SCF,7,6440	F4830CP	16	A
COMPASS		PPUOP IJM,7,6500	CPS064	1527	A
COMPASS		PPUOP CCF,7,6540	F4830CP	17	A
COMPASS		PPUOP FJM,7,6600	CPS064	1528	A
COMPASS		PPUOP SFM,7,6640	F4830CP	18	A
COMPASS		PPUOP EJM,7,6700	CPS064	1529	A
COMPASS		PPUOP CFM,7,6740	F4830CP	19	A
COMPASS		PPUOP ACN,4,7400	CPS064	1530	A
COMPASS		PPUOP DCN,4,7500	CPS064	1531	A
COMPASS		PPUOP FAN,4,7600	CPS064	1532	A
COMPASS		PPUOP FNC,7,7700	CPS064	1533	A
COMPASS			CPS064	1534	A
COMPASS	*	6416 PP OPCODES.	CPS064	1535	A
COMPASS			CPS064	1536	A
COMPASS		PPUOP ETN,4,2600	CPS064	1537	A
COMPASS		PPUOP ERN,4,2700	CPS064	1538	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS										CPS064	1539	A
COMPASS	*									CPS064	1540	A
COMPASS										CPS064	1541	A
COMPASS	M.	SET	2							CPS064	1542	A
COMPASS		PPUOP	FIM,7,6000							CPS064	1543	A
COMPASS		PPUOP	EIM,7,6100							CPS064	1544	A
COMPASS		PPUOP	IRM,7,6200							CPS064	1545	A
COMPASS		PPUOP	NIM,7,6300							CPS064	1546	A
COMPASS		PPUOP	FOM,7,6400							CPS064	1547	A
COMPASS		PPUOP	EOM,7,6500							CPS064	1548	A
COMPASS		PPUOP	ORM,7,6600							CPS064	1549	A
COMPASS		PPUOP	NOM,7,6700							CPS064	1550	A
COMPASS		PPUOP	RFN,4,7400							CPS064	1551	A
COMPASS		PPUOP	ESN,4,7700							CPS064	1552	A
COMPASS	*									CPSA281	66	A
COMPASS										CPSA281	67	A
COMPASS										CPSA281	68	A
COMPASS	M.	SET	4							CPSA281	69	A
COMPASS		PPUOP	RDSL,4,100000							CPSA281	70	A
COMPASS		PPUOP	RDCL,4,100100							CPSA281	71	A
COMPASS		PPUOP	SHDL,4,101000							CPSA281	72	A
COMPASS		PPUOP	LRDL,4,101100							CPSA281	73	A
COMPASS		PPUOP	LRIL,4,101200							CPSA281	74	A
COMPASS		PPUOP	LRML,5,101300							CPSA281	75	A
COMPASS		PPUOP	SRDL,4,101400							CPSA281	76	A
COMPASS		PPUOP	SRIL,4,101500							CPSA281	77	A
COMPASS		PPUOP	SRML,5,101600							CPSA281	78	A
COMPASS		PPUOP	HOLD,4,101700							CPSA281	79	A
COMPASS		PPUOP	LPDL,4,102200							CPSA281	80	A
COMPASS		PPUOP	LPIL,4,102300							CPSA281	81	A
COMPASS		PPUOP	LPML,5,102400							CPSA281	82	A
COMPASS		PPUOP	INPN,4,102600							CPSA281	83	A
COMPASS		PPUOP	LDDL,4,103000							CPSA281	84	A
COMPASS		PPUOP	ADDL,4,103100							CPSA281	85	A
COMPASS		PPUOP	SBDL,4,103200							CPSA281	86	A
COMPASS		PPUOP	LMDL,4,103300							CPSA281	87	A
COMPASS		PPUOP	STD L,4,103400							CPSA281	88	A
COMPASS		PPUOP	RADL,4,103500							CPSA281	89	A
COMPASS		PPUOP	AODL,4,103600							CPSA281	90	A
COMPASS		PPUOP	SODL,4,103700							CPSA281	91	A
COMPASS		PPUOP	LDIL,4,104000							CPSA281	92	A
COMPASS		PPUOP	ADIL,4,104100							CPSA281	93	A
COMPASS		PPUOP	SBIL,4,104200							CPSA281	94	A
COMPASS		PPUOP	LMIL,4,104300							CPSA281	95	A
COMPASS		PPUOP	STIL,4,104400							CPSA281	96	A
COMPASS		PPUOP	RAIL,4,104500							CPSA281	97	A
COMPASS		PPUOP	AOIL,4,104600							CPSA281	98	A
COMPASS		PPUOP	SOIL,4,104700							CPSA281	99	A
COMPASS		PPUOP	LDML,5,105000							CPSA281	100	A
COMPASS		PPUOP	ADML,5,105100							CPSA281	101	A
COMPASS		PPUOP	SBML,5,105200							CPSA281	102	A
COMPASS		PPUOP	LMML,5,105300							CPSA281	103	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	PPUOP	STML,5,105400	CPSA281	104	A
COMPASS	PPUOP	RAML,5,105500	CPSA281	105	A
COMPASS	PPUOP	AOML,5,105600	CPSA281	106	A
COMPASS	PPUOP	SOML,5,105700	CPSA281	107	A
COMPASS	PPUOP	CRDL,4,106000	CPSA281	108	A
COMPASS	PPUOP	CRML,7,106100	CPSA281	109	A
COMPASS	PPUOP	CWDL,4,106200	CPSA281	110	A
COMPASS	PPUOP	CWML,7,106300	CPSA281	111	A
COMPASS	PPUOP	FSJM,7,106400	CPSA281	112	A
COMPASS	PPUOP	FCJM,7,106500	CPSA281	113	A
COMPASS	PPUOP	CHCM,7,107000	CPSA281	114	A
COMPASS	PPUOP	IAPM,7,107100	CPSA281	115	A
COMPASS	PPUOP	CMCH,7,107200	CPSA281	116	A
COMPASS	PPUOP	OAPM,7,107300	CPSA281	117	A
COMPASS	PPUOP	MCLR,4,107400	CPSA281	118	A
COMPASS	FNCLCDE	EQU 007700B *FNCL* HAS SAME OPCODE AS *FNC*	CPSA281	119	A
COMPASS	PPUOP	FNCL,7,FNCLCDE	CPSA281	120	A
COMPASS			CPS064	1553	A
COMPASS	*	6600 AND 7600 CP OPCODES.	CPS064	1554	I
COMPASS	-F4830CP				
COMPASS	*	6600, 7600 AND V CP OPCODES	F4830CP	20	A
COMPASS			CPS064	1555	A
COMPASS	M.	SET 0	CPS064	1556	A
COMPASS		CPUOP 7,000,000,PS	CPS064	1557	A
COMPASS		CPUOP 7,000,000,PSQ	CPS064	1558	A
COMPASS		CPUOP 5,010,000,RJQ	CPS064	1559	A
COMPASS		CPUOP 5,020,000,JPQ	CPS064	1560	A
COMPASS		CPUOP 5,020,220,JPB	CPS064	1561	A
COMPASS		CPUOP 5,020,220,JPBQ	CPS064	1562	A
COMPASS		CPUOP 1,030,020,ZRX,Q	CPS064	1563	A
COMPASS		CPUOP 1,031,020,NZX,Q	CPS064	1564	A
COMPASS		CPUOP 1,032,020,PLX,Q	CPS064	1565	A
COMPASS		CPUOP 1,033,020,NGX,Q	CPS064	1566	A
COMPASS		CPUOP 1,033,020,MIX,Q	CPS064	1567	A
COMPASS		CPUOP 1,034,020,IRX,Q	CPS064	1568	A
COMPASS		CPUOP 1,035,020,ORX,Q	CPS064	1569	A
COMPASS		CPUOP 1,036,020,DFX,Q	CPS064	1570	A
COMPASS		CPUOP 1,037,020,IDX,Q	CPS064	1571	A
COMPASS		CPUOP 5,040,000,EQQ	CPS064	1572	A
COMPASS		CPUOP 1,040,200,EQB,Q	CPS064	1573	A
COMPASS		CPUOP 1,040,320,EQB,B,Q	CPS064	1574	A
COMPASS		CPUOP 5,040,000,ZRQ	CPS064	1575	A
COMPASS		CPUOP 1,040,200,ZRB,Q	CPS064	1576	A
COMPASS		CPUOP 1,050,200,NEB,Q	CPS064	1577	A
COMPASS		CPUOP 1,050,320,NEB,B,Q	CPS064	1578	A
COMPASS		CPUOP 1,050,200,NZB,Q	CPS064	1579	A
COMPASS		CPUOP 1,060,200,PLB,Q	CPS064	1580	A
COMPASS		CPUOP 1,060,200,GEB,Q	CPS064	1581	A
COMPASS		CPUOP 1,060,320,GEB,B,Q	CPS064	1582	A
COMPASS		CPUOP 1,060,230,LEB,B,Q	CPS064	1583	A
COMPASS		CPUOP 1,060,020,LEB,Q	CPS064	1584	A
COMPASS		CPUOP 1,070,200,NGB,Q	CPS064	1585	A

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	CPUOP	1,070,200,MIB,Q	CPS064	1586	A
COMPASS	CPUOP	1,070,320,LTB,B,Q	CPS064	1587	A
COMPASS	CPUOP	1,070,230,GTB,B,Q	CPS064	1588	A
COMPASS	CPUOP	1,070,200,LTB,Q	CPS064	1589	A
COMPASS	CPUOP	1,070,020,GTB,Q	CPS064	1590	A
COMPASS	CPUOP	0,100,122,BXX	CPS064	1591	A
COMPASS	CPUOP	0,110,132,BXX*X	CPS064	1592	A
COMPASS	CPUOP	0,120,132,BXX+X	CPS064	1593	A
COMPASS	CPUOP	0,130,132,BXX-X	CPS064	1594	A
COMPASS	CPUOP	0,140,122,BX-X	CPS064	1595	A
COMPASS	CPUOP	0,150,123,BX-X*X	CPS064	1596	A
COMPASS	CPUOP	0,160,123,BX-X+X	CPS064	1597	A
COMPASS	CPUOP	0,170,123,BX-X-X	CPS064	1598	A
COMPASS	CPUOP	0,200,100,LXQ	CPS064	1599	A
COMPASS	CPUOP	0,210,100,AXQ	CPS064	1600	A
COMPASS	CPUOP	0,220,102,LXX	CPS064	1601	A
COMPASS	CPUOP	0,220,121,LXB	CPS064	1602	A
COMPASS	CPUOP	0,220,121,AX-B	CPS064	1603	A
COMPASS	CPUOP	0,220,132,LXB,X	CPS064	1604	A
COMPASS	CPUOP	0,220,132,AX-B,X	CPS064	1605	A
COMPASS	CPUOP	0,220,123,LXX,B	CPS064	1606	A
COMPASS	CPUOP	0,220,123,AXX,-B	CPS064	1607	A
COMPASS	CPUOP	0,230,102,AXX	CPS064	1608	A
COMPASS	CPUOP	0,230,121,AXB	CPS064	1609	A
COMPASS	CPUOP	0,230,121,LX-B	CPS064	1610	A
COMPASS	CPUOP	0,230,132,AXB,X	CPS064	1611	A
COMPASS	CPUOP	0,230,132,LX-B,X	CPS064	1612	A
COMPASS	CPUOP	0,230,123,AXX,B	CPS064	1613	A
COMPASS	CPUOP	0,230,123,LXX,-B	CPS064	1614	A
COMPASS	CPUOP	0,240,101,NX	CPS064	1615	A
COMPASS	CPUOP	0,240,102,NXX	CPS064	1616	A
COMPASS	CPUOP	0,240,121,NXB	CPS064	1617	A
COMPASS	CPUOP	0,240,132,NXB,X	CPS064	1618	A
COMPASS	CPUOP	0,240,123,NXX,B	CPS064	1619	A
COMPASS	CPUOP	0,250,101,ZX	CPS064	1620	A
COMPASS	CPUOP	0,250,102,ZXX	CPS064	1621	A
COMPASS	CPUOP	0,250,121,ZXB	CPS064	1622	A
COMPASS	CPUOP	0,250,132,ZXB,X	CPS064	1623	A
COMPASS	CPUOP	0,250,123,ZXX,B	CPS064	1624	A
COMPASS	CPUOP	0,260,101,UX	CPS064	1625	A
COMPASS	CPUOP	0,260,102,UXX	CPS064	1626	A
COMPASS	CPUOP	0,260,121,UXB	CPS064	1627	A
COMPASS	CPUOP	0,260,132,UXB,X	CPS064	1628	A
COMPASS	CPUOP	0,260,123,UXX,B	CPS064	1629	A
COMPASS	CPUOP	0,270,101,PX	CPS064	1630	A
COMPASS	CPUOP	0,270,102,PXX	CPS064	1631	A
COMPASS	CPUOP	0,270,121,PXB	CPS064	1632	A
COMPASS	CPUOP	0,270,132,PXB,X	CPS064	1633	A
COMPASS	CPUOP	0,270,123,PXX,B	CPS064	1634	A
COMPASS	CPUOP	0,300,132,FXX+X	CPS064	1635	A
COMPASS	CPUOP	0,310,132,FXX-X	CPS064	1636	A
COMPASS	CPUOP	0,320,132,DXX+X	CPS064	1637	A

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	CPUOP	0,330,132,DXX-X	CPS064	1638	A
COMPASS	CPUOP	0,340,132,RXX+X	CPS064	1639	A
COMPASS	CPUOP	0,350,132,RXX-X	CPS064	1640	A
COMPASS	CPUOP	0,360,132,IXX+X	CPS064	1641	A
COMPASS	CPUOP	0,370,132,IXX-X	CPS064	1642	A
COMPASS	CPUOP	0,400,132,FXX*X	CPS064	1643	A
COMPASS	CPUOP	0,410,132,RXX*X	CPS064	1644	A
COMPASS	CPUOP	0,420,132,DXX*X	CPS064	1645	A
COMPASS	CPUOP	0,420,132,IXX*X	CPS064	1646	A
COMPASS	CPUOP	0,430,100,MXQ	CPS064	1647	A
COMPASS	CPUOP	0,440,132,FXX/X	CPS064	1648	A
COMPASS	CPUOP	0,450,132,RXX/X	CPS064	1649	A
COMPASS	CPUOP	0,460,000,NO	CPS064	1650	A
COMPASS	CPUOP	0,460,000,NOQ	CPS064	1651	A
COMPASS	CPUOP	7,464,020,IMB	CPS064	1652	A
COMPASS	CPUOP	7,464,000,IMQ	CPS064	1653	A
COMPASS	CPUOP	7,464,020,IMBQ	CPS064	1654	A
COMPASS	CPUOP	0,470,122,CXX	CPS064	1655	A
COMPASS	CPUOP	1,500,120,SAAQ	CPS064	1656	A
COMPASS	CPUOP	1,600,120,SBAQ	CPS064	1657	A
COMPASS	CPUOP	1,700,120,SXAQ	CPS064	1658	A
COMPASS	CPUOP	1,510,100,SAQ	CPS064	1659	A
COMPASS	CPUOP	1,610,100,SBQ	CPS064	1660	A
COMPASS	CPUOP	1,710,100,SXQ	CPS064	1661	A
COMPASS	CPUOP	1,510,120,SABQ	CPS064	1662	A
COMPASS	CPUOP	1,610,120,SBBQ	CPS064	1663	A
COMPASS	CPUOP	1,710,120,SXBQ	CPS064	1664	A
COMPASS	CPUOP	1,520,120,SAXQ	CPS064	1665	A
COMPASS	CPUOP	1,620,120,SBXQ	CPS064	1666	A
COMPASS	CPUOP	1,720,120,SXXQ	CPS064	1667	A
COMPASS	CPUOP	0,530,132,SAX+B	CPS064	1668	A
COMPASS	CPUOP	0,630,132,SBX+B	CPS064	1669	A
COMPASS	CPUOP	0,730,132,SXX+B	CPS064	1670	A
COMPASS	CPUOP	0,530,123,SAB+X	CPS064	1671	A
COMPASS	CPUOP	0,630,123,SBB+X	CPS064	1672	A
COMPASS	CPUOP	0,730,123,SXB+X	CPS064	1673	A
COMPASS	CPUOP	0,530,120,SAX	CPS064	1674	A
COMPASS	CPUOP	0,630,120,SBX	CPS064	1675	A
COMPASS	CPUOP	0,730,120,SXX	CPS064	1676	A
COMPASS	CPUOP	0,540,120,SAA	CPS064	1677	A
COMPASS	CPUOP	0,640,120,SBA	CPS064	1678	A
COMPASS	CPUOP	0,740,120,SXA	CPS064	1679	A
COMPASS	CPUOP	0,540,132,SAA+B	CPS064	1680	A
COMPASS	CPUOP	0,640,132,SBA+B	CPS064	1681	A
COMPASS	CPUOP	0,740,132,SXA+B	CPS064	1682	A
COMPASS	CPUOP	0,540,123,SAB+A	CPS064	1683	A
COMPASS	CPUOP	0,640,123,SBB+A	CPS064	1684	A
COMPASS	CPUOP	0,740,123,SXB+A	CPS064	1685	A
COMPASS	CPUOP	0,550,132,SAA-B	CPS064	1686	A
COMPASS	CPUOP	0,650,132,SBA-B	CPS064	1687	A
COMPASS	CPUOP	0,750,132,SXA-B	CPS064	1688	A
COMPASS	CPUOP	0,550,123,SA-B+A	CPS064	1689	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	CPUOP	0,650,123,SB-B+A	CPS064	1690	A
COMPASS	CPUOP	0,750,123,SX-B+A	CPS064	1691	A
COMPASS	CPUOP	0,560,120,SAB	CPS064	1692	A
COMPASS	CPUOP	0,660,120,SBB	CPS064	1693	A
COMPASS	CPUOP	0,760,120,SXB	CPS064	1694	A
COMPASS	CPUOP	0,560,132,SAB+B	CPS064	1695	A
COMPASS	CPUOP	0,660,132,SBB+B	CPS064	1696	A
COMPASS	CPUOP	0,760,132,SXB+B	CPS064	1697	A
COMPASS	CPUOP	0,570,102,SA-B	CPS064	1698	A
COMPASS	CPUOP	0,670,102,SB-B	CPS064	1699	A
COMPASS	CPUOP	0,770,102,SX-B	CPS064	1700	A
COMPASS	CPUOP	0,570,132,SAB-B	CPS064	1701	A
COMPASS	CPUOP	0,670,132,SBB-B	CPS064	1702	A
COMPASS	CPUOP	0,770,132,SXB-B	CPS064	1703	A
COMPASS	CPUOP	0,570,123,SA-B+B	CPS064	1704	A
COMPASS	CPUOP	0,670,123,SB-B+B	CPS064	1705	A
COMPASS	CPUOP	0,770,123,SX-B+B	CPS064	1706	A
COMPASS			CPS064	1707	A
COMPASS	*	6600 CP OPCODES.	CPS064	1708	I
	-F4830CP				
COMPASS			CPS064	1709	I
	-F4830CP				
COMPASS	M.	SET 1	CPS064	1710	I
	-F4830CP				
COMPASS	*	6600 AND V CP OPCODES	F4830CP	21	A
COMPASS			F4830CP	22	A
COMPASS	M.	SET 5	F4830CP	23	A
COMPASS	CPUOP	3,011,020,REB	CPS064	1711	A
COMPASS	CPUOP	3,011,000,REQ	CPS064	1712	A
COMPASS	CPUOP	3,011,020,REBQ	CPS064	1713	A
COMPASS	CPUOP	3,012,020,WEB	CPS064	1714	A
COMPASS	CPUOP	3,012,000,WEQ	CPS064	1715	A
COMPASS	CPUOP	3,012,020,WEBQ	CPS064	1716	A
COMPASS	CPUOP	7,013,000,XJ	CPS064	1717	A
COMPASS	CPUOP	7,013,020,XJB	CPS064	1718	A
COMPASS	CPUOP	7,013,000,XJQ	CPS064	1719	A
COMPASS	CPUOP	7,013,020,XJBQ	CPS064	1720	A
COMPASS			CPS064	1721	A
COMPASS	*	7600 CP OPCODES.	CPS064	1722	A
COMPASS			CPS064	1723	A
COMPASS	M.	SET 2	CPS064	1724	A
COMPASS	CPUOP	4,000,000,ES	CPS064	1725	A
COMPASS	CPUOP	4,000,000,ESQ	CPS064	1726	A
COMPASS	SC2	IFEQ CP#RM,7	CPSA220	4	A
COMPASS	CPUOP	1,011,000,RLQ	CPS064	1727	A
COMPASS	CPUOP	1,011,020,RLB	CPS064	1728	A
COMPASS	CPUOP	1,011,020,RLBQ	CPS064	1729	A
COMPASS	CPUOP	1,012,000,WLQ	CPS064	1730	A
COMPASS	CPUOP	1,012,020,WLB	CPS064	1731	A
COMPASS	CPUOP	1,012,020,WLBQ	CPS064	1732	A
COMPASS	SC2	ELSE	CPSA220	5	A
COMPASS	CPUOP	3,011,000,RLQ	CPSA220	6	A

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	PSEUDO 2,BSSZ	CPS064	1811	A
COMPASS	PSEUDO 2,CC	CPS064	1812	A
COMPASS	PSEUD 2,COL,COL.,COL.	CPS064	1813	A
COMPASS	PSEUDO 2,CON	CPS064	1814	A
COMPASS	PSEUDO 2,CTEXT	CPS064	1815	A
COMPASS	PSEUDO 2,CU	CPS064	1816	A
COMPASS	PSEUDO 2,DATA	CPS064	1817	A
COMPASS	PSEUDO 2,DIS	CPS064	1818	A
COMPASS	PSEUDO 2,DM	CPS064	1819	A
COMPASS	PSEUDO 2,DUP	CPS064	1820	A
COMPASS	PSEUDO 2,ECHO	CPS064	1821	A
COMPASS	PSEUDO 2,ENDX	CPS064	1822	A
COMPASS	PSEUDO 2,ENTRY	CPS064	1823	A
COMPASS	PSEUDO 2,ENTRYC	CPS064	1824	A
COMPASS	PSEUDO 2,EQU	CPS064	1825	A
COMPASS	PSEUDO 2,ERR	CPS064	1826	A
COMPASS	PSEUDO 2,ERRMI	CPS064	1827	A
COMPASS	PSEUDO 2,ERRNG	CPS064	1828	A
COMPASS	PSEUDO 2,ERRNZ	CPS064	1829	A
COMPASS	PSEUDO 2,ERRPL	CPS064	1830	A
COMPASS	PSEUDO 2,ERRZR	CPS064	1831	A
COMPASS	PSEUDO 2,EXT	CPS064	1832	A
COMPASS	PSEUDO 2,IF	CPS064	1833	A
COMPASS	PSEUDO 2,IFCP	CPS064	1834	A
COMPASS	PSEUDO 2,IFCP6	CPS064	1835	A
COMPASS	PSEUDO 2,IFCP7	CPS064	1836	A
COMPASS	PSEUDO 2,IFEQ	CPS064	1837	A
COMPASS	PSEUDO 2,IFGE	CPS064	1838	A
COMPASS	PSEUDO 2,IFGT	CPS064	1839	A
COMPASS	PSEUDO 2,IFLE	CPS064	1840	A
COMPASS	PSEUDO 2,IFLT	CPS064	1841	A
COMPASS	PSEUDO 2,IFMI	CPS064	1842	A
COMPASS	PSEUDO 2,IFNE	CPS064	1843	A
COMPASS	PSEUDO 2,IFPL	CPS064	1844	A
COMPASS	PSEUDO 2,IFPP	CPS064	1845	A
COMPASS	PSEUDO 2,IFPP6	CPS064	1846	A
COMPASS	PSEUDO 2,IFPP7	CPS064	1847	A
COMPASS	PSEUDO 2,LCC	CPS064	1848	A
COMPASS	PSEUDO 2,LOC	CPS064	1849	A
COMPASS	PSEUDO 2,LIT	CPS064	1850	A
COMPASS	PSEUDO 2,MAX	CPS064	1851	A
COMPASS	PSEUDO 2,MD	CPS064	1852	A
COMPASS	PSEUDO 2,MIN	CPS064	1853	A
COMPASS	PSEUDO 2,ORG	CPS064	1854	A
COMPASS	PSEUDO 2,ORGC	CPS064	1855	A
COMPASS	PSEUDO 2,IDENT	CPS064	1856	A
COMPASS	PSEUDO 2,POS	CPS064	1857	A
COMPASS	PSEUDO 2,REP	CPS064	1858	A
COMPASS	PSEUDO 2,REPC	CPS064	1859	A
COMPASS	PSEUDO 2,REPI	CPS064	1860	A
COMPASS	PSEUDO 2,R=	CPS064	1861	A
COMPASS	PSEUDO 2,SEG	CPS064	1862	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	PSEUDO 2,SEGMENT	CPS064	1863	A
COMPASS	PSEUDO 2,SET	CPS064	1864	A
COMPASS	PSEUDO 2,STOPDUP	CPS064	1865	A
COMPASS	PSEUDO 2,USE	CPS064	1866	A
COMPASS	PSEUDO 2,USELCM	CPS064	1867	A
COMPASS	PSEUDO 2,VFD	CPS064	1868	A
COMPASS	PSEUDO 2,XTEXT	CPS064	1869	A
COMPASS	PSEUD 2,=,EQU,EQU	CPS064	1870	A
COMPASS PSEUDO	SPACE 4	CP147	63	A
COMPASS **	NEW PSEUDO OPS.	CP147	64	A
COMPASS		CP147	65	A
COMPASS		CP147	66	A
COMPASS	PSEUDO 4,LDSET	CP147	67	A
COMPASS	PSEUDO 5,BCU	F4820	182	A
COMPASS	PSEUDO 5,MCU	F4820	183	A
COMPASS	PSEUDO 4,BCOP	F4820	184	A
COMPASS	PSEUDO 4,NDOP	F4820B	5	A
COMPASS	PSEUDO 5,CIPPU	CPSA281	121	A
COMPASS	PSEUDO 5,MEMSEL	CPSA281	122	A
COMPASS	PSEUDO 2,CONL	CPSA288	16	A
COMPASS	PSEUDO 2,VFDL	CPSA288	17	A
COMPASS ****		CPS064	1871	A
COMPASS LGOPS	EQU *-OPS	CPS064	1872	A
COMPASS	BASE DECIMAL	CPS064	1873	A
COMPASS GBUF	SPACE 4,8	CPS064	1874	A
COMPASS **	BUFFER SPACE FOR LOADING SYSTEM TEXT.	CPS064	1875	I
COMPASS -CPSA097				
COMPASS *	BUFFER SPACE FOR LOADING SYSTEM TEXT.	CPSA097 CPSA097	8	A
COMPASS		CPS064	1876	A
COMPASS		CPS064	1877	A
COMPASS	IFNE OVERLAY,0,2	CPS064	1878	A
COMPASS GBUF	BSS 0 CIO BUFFER SPACE FOR *G* SYSTEXT FILE	CPS064	1879	A
COMPASS ENDZ	EQU GBUF+GBUFL MANAGED TABLE SPACE DURING *LST* PROCESSING	CPS064	1880	A
COMPASS	TITLE SECONDARY OVERLAY.	CPS064	1881	A
COMPASS	IFEQ OVERLAY,0 SEGMENT CONTROL	CPS064	1882	A
COMPASS		CPS064	1883	A
COMPASS	IDENT SECONDARY OVERLAY.	CPS064	1884	A
COMPASS		CPS064	1885	A
COMPASS	ELSE	CPS064	1886	A
COMPASS		CPS064	1887	A
COMPASS	IDENT "OVLA",ORGA+1,,1,1 SECONDARY OVERLAY	CPS064	1888	A
COMPASS	COMMENT CYBER 70/ MODEL "MODEL"	CPS064	1889	A
COMPASS	COMMENT COMPREHENSIVE ASSEMBLER PROGRAM VERSION "VERSION".	CPS064	1890	A
COMPASS ORGA	EQU PRTA	CPS064	1891	A
COMPASS	ORG ORGA+1	CPS064	1892	A
COMPASS		CPS064	1893	A
COMPASS	ENDIF	CPS064	1894	A
COMPASS PASS1	TITLE PASS 1 CONTROL.	COMPASS	5278	A
COMPASS **	PASS 1 CONTROL.	COMPASS	5279	A
COMPASS		COMPASS	5280	A
COMPASS		COMPASS	5281	A
COMPASS	USE CONTROL	COMPASS	5282	I
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP30

COMPASS	-CMP30	SEG	CONTROL.	COMPASS	5283	I
COMPASS	PASS1	RJ	PRS	COMPASS	5284	A
COMPASS	CONTROL	RJ	ATIME	COMPASS	5285	A
COMPASS	**	RJ	AUT	COMPASS	5286	A
COMPASS	CTL	RJ	SPACE 4	COMPASS	5287	A
COMPASS	CTL	RJ	CTL - SEARCH FOR IDENT CARD.	COMPASS	5288	A
COMPASS	CTL	RJ	INPUT1	COMPASS	5289	A
COMPASS	CTL	RJ	EDIT	COMPASS	5290	A
COMPASS	CTL	RJ	SETUP	COMPASS	5291	A
COMPASS	CTL	SA1	TITBUF	COMPASS	5292	A
COMPASS	CTL	RJ	SNT	COMPASS	5293	A
COMPASS	CTL	SA1	=7R*****	COMPASS	5294	A
COMPASS	CTL	BX6	X1	COMPASS	5295	A
COMPASS	CTL	SA6	IDNAM	COMPASS	5296	A
COMPASS	CTL	SA1	IOP	COMPASS	5297	A
COMPASS	CTL	SA2	=5RIDENT	COMPASS	5298	A
COMPASS	CTL	BX6	X1-X2	COMPASS	5299	A
COMPASS	CTL	ZR	X6,CTL2	COMPASS	5300	A
COMPASS	CTL	SX2	3REND	COMPASS	5301	A
COMPASS	CTL	BX6	X2-X1	COMPASS	5302	A
COMPASS	CTL	NZ	X6,CTL1	COMPASS	5303	A
COMPASS	CTL	RJ	RSS	COMPASS	5304	A
COMPASS	CTL	EQ	CTL105	COMPASS	5305	A
COMPASS	CTL	RJ	CWI	COMPASS	5306	A
COMPASS	CTL	EQ	CTL	COMPASS	5307	A
COMPASS	CTL	RJ	SCLIST	COMPASS	5308	A
COMPASS	CTL	SA6	IDNAM	COMPASS	5309	A
COMPASS	CTL	BX1	X6	COMPASS	5310	A
COMPASS	CTL	RJ	DIM	COMPASS	5311	A
COMPASS	CTL	RJ	RSS	COMPASS	5312	A
COMPASS	CTL	SPACE	4	COMPASS	5313	A
COMPASS	CTL	**	CTL60 - CLEAR OPERATION CODE ERROR.	COMPASS	5314	A
COMPASS	CTL	CTL60	SPACE 4	COMPASS	5315	A
COMPASS	CTL	**	CTL60 - CLEAR OPERATION CODE ERROR.	COMPASS	5316	A
COMPASS	CTL	CTL60	SPACE 4	COMPASS	5317	A
COMPASS	CTL	**	CTL60 - CLEAR OPERATION CODE ERROR.	COMPASS	5318	A
COMPASS	CTL	CTL60	SPACE 4	COMPASS	5319	A
COMPASS	CTL	**	CTL60 - CLEAR OPERATION CODE ERROR.	COMPASS	5320	A
COMPASS	CTL	CTL60	SPACE 4	COMPASS	5321	A
COMPASS	CTL	**	CTL60 - CLEAR OPERATION CODE ERROR.	COMPASS	5322	A
COMPASS	CTL	CTL60	SPACE 4	COMPASS	5323	A
COMPASS	CTL	**	CTL60 - CLEAR OPERATION CODE ERROR.	COMPASS	5324	A
COMPASS	CTL	CTL60	SPACE 4	COMPASS	5325	A
COMPASS	CTL	**	CTL60 - CLEAR OPERATION CODE ERROR.	COMPASS	5326	A
COMPASS	CTL	CTL60	SPACE 4	COMPASS	5327	A
COMPASS	CTL	**	CTL60 - CLEAR OPERATION CODE ERROR.	COMPASS	5328	A
COMPASS	CTL	CTL60	SPACE 4	COMPASS	5329	A
COMPASS	CTL	**	CTL60 - CLEAR OPERATION CODE ERROR.	COMPASS	5330	A
COMPASS	CTL	CTL60	SPACE 4	COMPASS	5331	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	**	CTL100 - MAIN COMPASS PASS 1 CONTROL.				COMPASS	5332	A	
COMPASS						COMPASS	5333	A	
COMPASS						COMPASS	5334	A	
COMPASS	CTL100	RJ	INPUT1	READ NEXT CARD		COMPASS	5335	A	
COMPASS		SA1	IFCNT	CHECK IF-SKIPPING		CPS066	1	A	
COMPASS		SX6	1			CPS066	2	A	
COMPASS		ZR	X1,CTL105	IF NOT SKIPPING		CPS066	3	A	
COMPASS		SA2	CARD			CPS106	5	A	
COMPASS		SB7	X2-1R*	CHECK FOR COMMENT CARD		CPS106	6	A	
COMPASS		ZR	B7,CTL290	IF COMMENT CARD		CPS106	7	A	
COMPASS		IX6	X1-X6	REDUCE COUNT		CPS066	4	A	
COMPASS		SA6	A1			CPS066	5	A	
COMPASS		NZ	X6,CTL105	IF STILL SKIPPING		CPS066	6	A	
COMPASS		SA6	NOAS	CLEAR NO-ASSEMBLY FLAG		CPS066	7	A	
COMPASS	CTL105	RJ	EDIT	REMOVE CONCATENATION AND MICROS		COMPASS	5336	A	
COMPASS	CTL110	RJ	SETUP	PREPARE FOR ASSEMBLY		COMPASS	5337	A	
COMPASS		SA1	STYPE			COMPASS	5338	A	
COMPASS		SB7	X1-1R*	CHECK FOR COMMENTS CARD		COMPASS	5339	A	
COMPASS		ZR	B7,CTL290	IF COMMENT CARD		COMPASS	5340	A	
COMPASS		SA1	POSCTR	CHECK FOR END OF WORD		COMPASS	5341	A	
COMPASS	+	NZ	X1,*+1			COMPASS	5342	A	
COMPASS		RJ	YFOUP	PUSH ON TO NEXT WORD		COMPASS	5343	A	
COMPASS		SA1	IOP	LOOK UP OPERATION CODE		COMPASS	5344	A	
COMPASS		RJ	TLUOP			COMPASS	5345	A	
COMPASS		SA1	OPTYPE	DETERMINE TYPE OF OPCODE		COMPASS	5346	A	
COMPASS		SX0	7			COMPASS	5347	A	
COMPASS		AX1	57			COMPASS	5348	A	
COMPASS		BX2	X1*X0			COMPASS	5349	A	
COMPASS		SA5	IFCNT	CHECK IF-SKIPPING		COMPASS	5350	A	
COMPASS		MX7	59			COMPASS	5351		I
	-CPS066								
COMPASS		SA4	MACHINE			COMPASS	5352	A	
COMPASS	+	ZR	X5,*+1	JUMP IF NOT SKIPPING		COMPASS	5353		I
	-CPS066								
COMPASS		IX6	X5+X7	REDUCE COUNT		COMPASS	5354		I
	-CPS066								
COMPASS		SA6	A5	STORE BACK		COMPASS	5355		I
	-CPS066								
COMPASS	+	SA5	A5			COMPASS	5356		I
	-CPS066								
COMPASS		SX3	X2-3			COMPASS	5357	A	
COMPASS	+	ZR	X5,*+1	IF NOT SKIPPING		COMPASS	5358	A	
COMPASS		NZ	X3,CTL60	JUMP IF SKIPPING AND NOT END OR ENDIF		COMPASS	5359	A	
COMPASS		SB7	X2-4			COMPASS	5360	A	
COMPASS		ZR	B7,CTL280	IF TYPE 4		COMPASS	5361	A	
COMPASS		PL	B7,CTL260	IF TYPES 5,6 OR 7		COMPASS	5362	A	
COMPASS		SX6	B1	SET FIRST CARD GROUP FLAG		COMPASS	5363	A	
COMPASS		SA6	IFCDGP			COMPASS	5364	A	
COMPASS		JP	CTL200+4+B7			COMPASS	5365	A	
COMPASS						COMPASS	5366	A	
COMPASS	CTL200	ZR	X4,CTLCP	TYPE 0 - CP OPERATION		COMPASS	5367	A	
COMPASS		EQ	CTLPPER	IF CP OP IN PP CODING		COMPASS	5368	A	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	+	NZ	X4,CTLPP	TYPE 1 - PP OPERATION	COMPASS	5369	A
COMPASS		EQ	CTLCP	IF PP OP IN CP CODING	COMPASS	5370	A
COMPASS	+	NO		TYPE 2 - NORMAL PSEUDO OPERATION	COMPASS	5371	A
COMPASS	CTL280	SA1	OPTYPE	TYPE 3 - PSEUDO PROCESSED WHILE IN IF CODE	COMPASS	5372	A
COMPASS		AX1	18	JUMP ON PSEUDO OP	COMPASS	5373	A
COMPASS		SB7	X1		COMPASS	5374	A
COMPASS		JP	B7		COMPASS	5375	A
COMPASS	CTL260	SPACE	4		COMPASS	5376	A
COMPASS	**	CTL260	- TYPE 5, 6, AND 7 PSEUDO OPERATIONS.		COMPASS	5377	A
COMPASS					COMPASS	5378	A
COMPASS					COMPASS	5379	A
COMPASS	CTL260	GT	B7,B1,MACALL	IF MACRO (TYPES 6 + 7)	COMPASS	5380	A
COMPASS		SA1	IFCDGP	CHECK IF THIS CARD IS LEGAL	COMPASS	5381	A
COMPASS		ZR	X1,CTL280	JUMP IF SO	COMPASS	5382	A
COMPASS	CTL80	SX6	B1	NOTE OP CODE ERROR	COMPASS	5383	A
COMPASS		SA6	EFLG		COMPASS	5384	A
COMPASS		SA6	OERR	COMPLAIN AND IGNORE OP	COMPASS	5385	A
COMPASS		EQ	CTL70		COMPASS	5386	A
COMPASS	CONTROL	SPACE	4		COMPASS	5387	A
COMPASS	**	CTL200	- CHECK IF SKIP COUNT FOR COMMENT CARDS.		COMPASS	5388	A
COMPASS					COMPASS	5389	A
COMPASS					COMPASS	5390	A
COMPASS	CTL290	SA5	IFCNT		COMPASS	5391	A
COMPASS		SB7	X5		COMPASS	5392	A
COMPASS		NE	B7,B1,CTL300	IF STILL IF-SKIPPING	COMPASS	5393	A
COMPASS		SX6	B0	TERMINATE IF-SKIPPING	COMPASS	5394	A
COMPASS		SA6	A5		COMPASS	5395	A
COMPASS	*	EQ	CTL300		COMPASS	5396	A
COMPASS	CTL300	SPACE	4		COMPASS	5397	A
COMPASS	**	CTL300	- RETURN POINT FOR PSEUDOS WITH NO PASS 2 PROCESSING.		COMPASS	5398	A
COMPASS					COMPASS	5399	A
COMPASS					COMPASS	5400	A
COMPASS	CTL300	RJ	CWI	CONDITIONALLY WRITE THE INTERMEDIATE	COMPASS	5401	A
COMPASS		EQ	CTL100	READ NEXT CARD	COMPASS	5402	A
COMPASS	CONTROL	SPACE	4		COMPASS	5403	A
COMPASS	**	CTL400	- RETURN POINT FOR PSEUDOS THAT HAVE OPCODE CHANGED.		COMPASS	5404	A
COMPASS					COMPASS	5405	A
COMPASS					COMPASS	5406	A
COMPASS	CTL400	SX6	B1		COMPASS	5407	A
COMPASS		SA6	TXTFLG		COMPASS	5408	A
COMPASS		RJ	CWI	WRITE INTERMEDIATE	COMPASS	5409	A
COMPASS		MX6	0		COMPASS	5410	A
COMPASS		SA6	TXTFLG		COMPASS	5411	A
COMPASS		EQ	CTL100	READ NEXT CARD	COMPASS	5412	A
COMPASS	ERA	SPACE	4		COMPASS	5413	A
COMPASS	**	ERA	- RETURN POINT FOR PSEUDOS WITH *A* ERROR.		COMPASS	5414	A
COMPASS					COMPASS	5415	A
COMPASS					COMPASS	5416	A
COMPASS	ERA	SX6	B1		COMPASS	5417	A
COMPASS		SA6	EFLG		COMPASS	5418	A
COMPASS		SA6	AERR		COMPASS	5419	A
COMPASS		EQ	CTL70		COMPASS	5420	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

1	COMPASS	NZ	X2,CTLCP11	IF END OF ADDRESS FIELD	CMP9	8	A	1		
2	COMPASS	SA1	COL+1	RESET TO ADDRESS FIELD	CMP9	9	A	2		
3	COMPASS	BX6	X1		CMP9	10	A	3		
4	COMPASS	SA6	A2		CMP9	11	A	4		
5	COMPASS	SA6	COLUMN		CMP9	12	A	5		
6	COMPASS	RJ	GETCH		CMP9	13	A	6		
7	COMPASS	MX6	0		CMP9	14	A	7		
8	COMPASS	SB7	X1-1R		CMP9	15	A	8		
9	COMPASS	SA6	P1TEMPA	REGISTER COUNT	CMP9	16	A	9		
10	COMPASS	NZ	B7,CTLCP9A	IF NOT BLANK	CMP9	17	A	10		
11	COMPASS	*	END OF STATEMENT.		CMP26	23	A	11		
12	COMPASS				CMP26	24	A	12		
13	COMPASS				CMP26	25	A	13		
14	COMPASS	CTLCP11	SA2	OPADS	CREATE LOOK UP MASK	CMP9	18	A	14	
15	COMPASS		SA3	A2+B1		COMPASS	5558	A	15	
16	COMPASS		SA4	A3+B1		COMPASS	5559	A	16	
17	COMPASS		LX2	36		COMPASS	5560	A	17	
18	COMPASS		LX3	28		COMPASS	5561	A	18	
19	COMPASS		LX4	20		COMPASS	5562	A	19	
20	COMPASS		BX6	X2+X3		COMPASS	5563	A	20	
21	COMPASS		IX7	X6+X4		COMPASS	5564	A	21	
22	COMPASS		SA2	A4+B1		COMPASS	5565	A	22	
23	COMPASS		LX2	12		COMPASS	5566	A	23	
24	COMPASS		SX0	1R		COMPASS	5567	A	24	
25	COMPASS		BX4	X7+X2		COMPASS	5568	A	25	
26	COMPASS		IX1	X4+X0		COMPASS	5569	A	26	
27	COMPASS		RJ	TLUOP		COMPASS	5570	A	27	
28	COMPASS		SA2	OPTYPE		COMPASS	5571	A	28	
29	COMPASS		SB7	B0	SET B7 IN CASE THIS IS OPDEF	COMPASS	5572	A	29	
30	COMPASS		NG	X2,MACALL	IF OPDEF CALL	COMPASS	5573	A	30	
31	COMPASS		NZ	X2,CTLCP7	IF VALID OPCODE ENTRY	COMPASS	5574	A	31	
32	COMPASS		SX7	B1	SET OP CODE ERROR TO A 30-BIT INSTRUCTION	COMPASS	5575	A	32	
33	COMPASS		SA7	EFLG		COMPASS	5576	A	33	
34	COMPASS		SA7	OERR		COMPASS	5577	A	34	
35	COMPASS		LX7	27		COMPASS	5578	A	35	
36	COMPASS		BX2	X7		COMPASS	5579	A	36	
37	COMPASS		SA7	OPTYPE		COMPASS	5580	A	37	
38	COMPASS	CTLCP7	SX0	B1		COMPASS	5581	A	38	
39	COMPASS		AX2	27		COMPASS	5582	A	39	
40	COMPASS		BX6	X0*X2	FLAG BIT FOR 30-BIT INSTRUCTION	COMPASS	5583	A	40	
41	COMPASS		AX2	1		COMPASS	5584	A	41	
42	COMPASS		BX7	X0*X2	FLAG BIT FOR FORCE UPPER	COMPASS	5585	A	42	
43	COMPASS		SA5	NFOUP		COMPASS	5586	A	43	
44	COMPASS		AX4	X6	15 OR 30 BIT FLAG	COMPASS	5587	A	44	
45	COMPASS		BX7	X7+X5	OR INTO FORCE FROM LAST INSTRUCTION	COMPASS	5588	A	45	
46	COMPASS		SA7	A5		COMPASS	5589	A	46	
47	COMPASS		LX6	4		COMPASS	5590	A	47	
48	COMPASS		IX4	X6-X4		COMPASS	5591	A	48	
49	COMPASS		SX1	X4+15		COMPASS	5592	A	49	
50	COMPASS		BX6	X1		COMPASS	5593	A	50	
51	COMPASS		SA6	P1TEMP	LENGTH OF OPERATION CODE	COMPASS	5594	A	51	
52	COMPASS		RJ	YPRLOC	PROCESS LOCATION FIELD	COMPASS	5595	A	52	
53		0	1	2	3	4	5	6	7	8
54		1234567890123456789012345678901234567890123456789012345678901234567890								
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	SX0	B1		COMPASS	5596	A	
1	COMPASS	SA2	OPTYPE		COMPASS	5597	A	
2	COMPASS	AX2	29		COMPASS	5598	A	
3	COMPASS	BX6	X2*X0		COMPASS	5599	A	
4	COMPASS	SA6	NFOUP		COMPASS	5600	A	
5	COMPASS	SA1	P1TEMP		COMPASS	5601	A	
6	COMPASS	RJ	UPPOS	UP POSITION COUNTER	COMPASS	5602	A	
7	COMPASS	CTLCP8	SA1	OPTYPE	CMP30	2379	A	
8	COMPASS		SA2	MTYPE	CMP30	2380	A	
9	COMPASS		SX0	3	CMP30	2381		I
10		-F4830CP						
11	COMPASS		BX3	X0-X2	CMP30	2382		I
12		-F4830CP						
13	COMPASS		AX1	30	CMP30	2383		I
14		-F4830CP						
15	COMPASS		BX4	X0*X1	CMP30	2384		I
16		-F4830CP						
17	COMPASS		BX5	X3-X4	CMP30	2385		I
18		-F4830CP						
19	COMPASS		SX6	B1	CMP30	2386		I
20		-F4830CP						
21	COMPASS		NZ	X5,CTL65	IF INSTRUCTION DEFINED FOR MACHINE	CMP30	2387	I
22		-F4830CP						
23	COMPASS		SX0	7B	F4830CP	37	A	
24	COMPASS		ZR	X2,CTL65	IF MACHINE NOT SPECIFIED OR TYPE OMITTED	F4830CP	38	A
25	COMPASS		AX1	30	F4830CP	39	A	
26	COMPASS		BX4	X0*X1	F4830CP	40	A	
27	COMPASS		ZR	X4,CTL65	IF INSTRUCTION VALID ON ANY PROCESSOR	F4830CP	41	A
28	COMPASS		BX5	X2*X4	F4830CP	42	A	
29	COMPASS		SX6	B1	F4830CP	43	A	
30	COMPASS		NZ	X5,CTL65	IF INSTRUCTION VALID ON THIS PROCESSOR	F4830CP	44	A
31	COMPASS		SA6	EFLG	CMP30	2388	A	
32	COMPASS		SA6	OERR	OPCODE ERROR	CMP30	2389	A
33	COMPASS		SA6	MACHFLG	CPSA140	7	A	
34	COMPASS		EQ	CTL65	COMPASS	5603	A	
35	COMPASS	CTLBC	EJECT		F4820	185	A	
36	COMPASS	**	PROCESS BC INSTRUCTION.		F4820	186	A	
37	COMPASS				F4820	187	A	
38	COMPASS				F4820	188	A	
39	COMPASS	CTLBC	SX1	16	F4820	189	A	
40	COMPASS		RJ	YPRLOC	PROCESS LOCATION	F4820	190	A
41	COMPASS		SX1	16	F4820	191	A	
42	COMPASS		RJ	UPPOS	UP POSITION COUNTER	F4820	192	A
43	COMPASS		SA2	OPTYPE	F4820	193		I
44		-F4820B						
45	COMPASS		SX1	60	F4820	194		I
46		-F4820B						
47	COMPASS		LX2	59-29	F4820	195		I
48		-F4820B						
49	COMPASS		LX3	X2,B1	F4820	196		I
50		-F4820B						
51	COMPASS		BX2	X2*X3	F4820	197		I

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-F4820B

1	COMPASS	-F4820B	PL	X2,CTLBC1	IF ONLY ONE FIELD	F4820	198	I	1
2	COMPASS	-F4820B	RJ	SCAD		F4820	199	I	2
3	COMPASS	-F4820B	SX1	60	CHECK FOR POSSIBLE LITERALS	F4820	200	I	3
4	COMPASS	-F4820B	RJ	SCAD		F4820	201	I	4
5	COMPASS	-F4820B	SA2	EXSTOP	CHECK FOR EXTRA ADDRESS FIELD	F4820	202	I	5
6	COMPASS	-F4820B	SA1	OPTYPE	CHECK INSTRUCTION	F4820B	6	A	6
7	COMPASS	-F4820B	MX2	-3		F4820B	7	A	7
8	COMPASS	-F4820B	LX1	-27		F4820B	8	A	8
9	COMPASS	-F4820B	BX6	-X2*X1		F4820B	9	A	9
10	COMPASS	-F4820B	NZ	X6,CTLBC1	IF NOT TYPE 0	F4820B	10	A	10
11	COMPASS	-F4820B	LX1	5	CHECK NAD EXTENSION	F4820B	11	A	11
12	COMPASS	-F4820B	MX6	-5		F4820B	12	A	12
13	COMPASS	-F4820B	BX6	-X6*X1		F4820B	13	A	13
14	COMPASS	-F4820B	ZR	X6,CTLBC1	IF NOT NAD EXTENSION	F4820B	14	A	14
15	COMPASS	-F4820B	IX6	X6-X2	TYPE = 7 + NAD EXTENSION	F4820B	15	A	15
16	COMPASS	-F4820B	SB2	X6-/PASS2/ZBCAL		F4820B	16	A	16
17	COMPASS	-F4820B	NG	B2,CTLBC1		F4820B	17	A	17
18	COMPASS	-F4820B	SX6	B0		F4820B	18	A	18
19	COMPASS	-F4820B	SA1	/PASS2/ZBCA+X6	CHECK ADDRESS FIELD CONTROL	F4820B	19	A	19
20	COMPASS	-F4820B	BX6	X1		F4820B	20	A	20
21	COMPASS	-F4820B	SA6	P1TEMPA		F4820B	21	A	21
22	COMPASS	-F4820B	SA6	P1TEMPB		F4820B	22	A	22
23	COMPASS	-F4820B	SX1	60	SCAN FOR LITERALS	F4820B	23	A	23
24	COMPASS	-F4820B	RJ	SCAD		F4820B	24	A	24
25	COMPASS	-F4820B	SA1	P1TEMPB	CHECK ADDRESS FIELD DESCRIPTOR	F4820B	25	A	25
26	COMPASS	-F4820B	LX6	X1,B1		F4820B	26	A	26
27	COMPASS	-F4820B	SA6	A1		F4820B	27	A	27
28	COMPASS	-F4820B	NG	X1,CTLBC2	IF MORE ADDRESS FIELDS	F4820B	28	A	28
29	COMPASS	-F4820B	SA1	P1TEMPA	ADVANCE OVER INSTRUCTION WORDS	F4820B	29	A	29
30	COMPASS	-F4820B	AX1	36		F4820B	30	A	30
31	COMPASS	-F4820B	SX1	X1		F4820B	31	A	31
32	COMPASS	-F4820B	RJ	UPPOS		F4820B	32	A	32
33	COMPASS	-F4820B	SA2	EXSTOP	CHECK FOR EXTRA ADDRESS FIELD	F4820B	33	A	33
34	COMPASS	-F4820B	ZR	X2,CTL65		F4820	203	A	34
35	COMPASS	-F4820B	SX6	B1	SET 8-ERR FOR EXTRA ADDRESS FIELD	F4820	204	A	35
36	COMPASS	-F4820B	SA6	EFLG		F4820	205	A	36
37	COMPASS	-F4820B	SA6	W8ERR		F4820	206	A	37
38	COMPASS	-F4820B	EQ	CTL65		F4820	207	A	38
39	COMPASS	-F4820B				F4820	208	A	39
40	COMPASS	-F4820B	VFD	3/1,1/0,29/5,27/	MASK FOR BAD 180 INSTRUCTION	CPSA281	123	A	40
41	COMPASS	-F4820B	VFD	3/1,1/1,29/0,27/	MASK FOR BAD MC INSTRUCTION	F4820	209	A	41
42	COMPASS	-F4820B	VFD	3/1,1/1,29/6,27/	MASK FOR BAD BC INSTRUCTION	F4820	210	A	42
43	COMPASS	-F4820B	VFD	3/1,30/5,27/	MASK FOR BAD PP INSTRUCTION	F4820	211	A	43
44	COMPASS	-F4820B	VFD	3/1,1/0,29/5,27/	MASK FOR BAD 7000 PPU INSTRUCTION	CPSA281	124	A	44
45	COMPASS	-F4820B	SPACE	4,30		F4820	212	A	45
46	COMPASS	-F4820B	**	PROCESS MC INSTRUCTION.		F4820	213	A	46

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## 14121HE

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	RJZ	SA1	EXLGN	INITIALIZED RJ INSTRUCTION FOR SCAD			COMPASS	5732	A
COMPASS		RJ	ZEVITEM				COMPASS	5733	A
COMPASS	ZCP	EJECT					COMPASS	5734	I
	-CPSA097								
COMPASS	ZCP	EJECT	4		CPSA097	CPSA097	11	A	
COMPASS	*		CENTRAL	PROCESSOR INSTRUCTIONS.		COMPASS	5735	A	
COMPASS						COMPASS	5736	A	
COMPASS	ZCP	SA1	OPTYPE	FETCH OP-CODE EQUIVALENT FROM PASS 1		COMPASS	5737	A	
COMPASS		MX0	57			COMPASS	5738	A	
COMPASS		AX1	18			COMPASS	5739	A	
COMPASS		BX6	-X0*X1	EXTRACT REGISTER FIELDS		COMPASS	5740	A	
COMPASS		AX1	3			COMPASS	5741	A	
COMPASS		BX7	-X0*X1			COMPASS	5742	A	
COMPASS		SA6	OPADS			COMPASS	5743	A	
COMPASS		SA7	A6+B1			COMPASS	5744	A	
COMPASS		AX1	3			COMPASS	5745	A	
COMPASS		BX6	-X0*X1			COMPASS	5746	A	
COMPASS		SX0	B1			COMPASS	5747	A	
COMPASS		AX1	3			COMPASS	5748	A	
COMPASS		BX7	X1*X0	30-BIT INSTRUCTION FLAG TO OPASS+3		COMPASS	5749	A	
COMPASS		SA6	A7+B1			COMPASS	5750	A	
COMPASS		SA7	A6+B1			COMPASS	5751	A	
COMPASS		AX1	1	FORCE UPPER TO OPADS+4		COMPASS	5752	A	
COMPASS		BX6	X1*X0			COMPASS	5753	A	
COMPASS		AX1	1			COMPASS	5754	A	
COMPASS		BX7	X0*X1	FORCE NEXT UPPER TO OPADS+5		COMPASS	5755	A	
COMPASS		SA6	A7+B1			COMPASS	5756	A	
COMPASS		SA7	A6+B1			COMPASS	5757	A	
COMPASS		SA2	NFOUP			COMPASS	5758	A	
COMPASS		BX6	X2+X6			COMPASS	5759	A	
COMPASS		SA6	A2	OR NFOUP INTO THIS UPPER FORCE		COMPASS	5760	A	
COMPASS		AX1	48-29			COMPASS	5761	A	
COMPASS		NZ	X1,ZCP0	IF NOT 00 INSTRUCTION		COMPASS	5762	A	
COMPASS		SA1	OERR			COMPASS	5763	A	
COMPASS		SA2	LOCSYM	SET SUB-SUBTITLE		CMP041	6	A	
COMPASS		NZ	X1,ZCP0	IF UNDEFINED OPCODE		COMPASS	5764	A	
COMPASS		BX6	X2			CMP041	7	A	
COMPASS		SA6	SUBNAME			COMPASS	5765	A	
COMPASS	ZCP0	SA3	OPADS+3	PROCESS LOCATION FIELD		COMPASS	5766	A	
COMPASS		BX4	X3	CONSTRUCT A 15 OR 30		COMPASS	5767	A	
COMPASS		LX3	4			COMPASS	5768	A	
COMPASS		IX4	X3-X4			COMPASS	5769	A	
COMPASS		SX1	X4+15			COMPASS	5770	A	
COMPASS		RJ	ZPRLOC	PROCESS LOCATION FIELD		COMPASS	5771	A	
COMPASS		SA1	OPADS+5	RESET NFOUP FOR NEXT INSTUCTION		COMPASS	5772	A	
COMPASS		BX6	X1			COMPASS	5773	A	
COMPASS		MX7	0			COMPASS	5774	A	
COMPASS		SA6	NFOUP			COMPASS	5775	A	
COMPASS		SA7	P2TEMP	FOR REGISTER ACCUMULATION		COMPASS	5776	A	
COMPASS		SA7	A7+B1	P2TEMPA		COMPASS	5777	A	
COMPASS		SA7	A7+B1	P2TEMPB		COMPASS	5778	A	
						COMPASS	5779	A	
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA7	EXERR	P085	8	CMP085	1	A
COMPASS	SA1	OPTYPE	SET OPERATION CODE VALUE		COMPASS	5780	A
COMPASS	AX1	48			COMPASS	5781	A
COMPASS	BX6	X1			COMPASS	5782	A
COMPASS	LX6	6			COMPASS	5783	A
COMPASS	SA6	OPVAL			COMPASS	5784	A
COMPASS	SA2	MACHFLG			CPSA140	8	A
COMPASS	NZ	X2,ZCP0A	IF *MACHINE* VIOLATION		CPSA140	9	A
COMPASS	SA2	OERR	CHECK IF PASS 1 FOUND AN ERROR		COMPASS	5785	A
COMPASS	NZ	X2,ZCP100A			COMPASS	5786	A
COMPASS	SA2	COL	RESET FOR OPCODE EVALUATION		COMPASS	5787	I
-CPSA140							
COMPASS					CPSA140	10	A
COMPASS	ZCP0A	SA2	COL		CPSA140	11	A
COMPASS		SX6	X2+B1		COMPASS	5788	A
COMPASS		SA6	COLUMN		COMPASS	5789	A
COMPASS		RJ	GETCH		COMPASS	5790	A
COMPASS		SB7	X1-3	TEST FOR A REGISTER	COMPASS	5791	A
COMPASS		SB6	X1-1RX		COMPASS	5792	A
COMPASS	+	NG	B7,*+1		COMPASS	5793	I
-CMP9							
COMPASS	NZ	B6,ZCP1	IF NOT OPCODE REGISTER		COMPASS	5794	I
-CMP9							
COMPASS	SX1	3			COMPASS	5795	I
-CMP9							
COMPASS		NG	B7,ZCP3A	IF A OR B	CMP9	19	A
COMPASS		ZR	B6,ZCP3A	IF X	CMP9	20	A
COMPASS	ZCP3	RJ	GETCH		CMP9	21	A
COMPASS		EQ	ZCP3B		CMP9	22	A
COMPASS	ZCP3A	SX1	3		CMP9	23	A
COMPASS		RJ	ZEVITEM	EVALUATE OPCODE REGISTER	COMPASS	5796	A
COMPASS		SA1	ELREG		COMPASS	5797	A
COMPASS		BX6	X1		COMPASS	5798	A
COMPASS		SA6	P2TEMPB		COMPASS	5799	I
-CPS026							
COMPASS	+	SA2	OPVAL	GET UPPER 9 BITS OF OP CODE SHIFTED LEFT 6	CPS026	2	A
COMPASS		AX2	12		CPS026	3	A
COMPASS		SB7	X2-5		CPS026	4	A
COMPASS		NZ	B7,ZCP3C	IF NOT AN SAI INSTRUCTION (5X0)	CPS026	5	A
COMPASS		MX0	-3		CPS026	6	A
COMPASS		BX7	-X0*X1		CPS026	7	A
COMPASS		SB7	X7-6		CPS026	8	A
COMPASS		MI	B7,ZCP3C	IF NOT REGISTER 6 OR 7	CPS026	9	A
COMPASS		SX7	1RS		CPS026	10	A
COMPASS		SA7	REFLET		CPS026	11	A
COMPASS	ZCP3C	SA6	P2TEMPB	SAVE REGISTER LETTER AND NUMBER	CPS026	12	A
COMPASS		SA1	CHAR		COMPASS	5800	A
COMPASS		SB7	X1-1R		COMPASS	5801	I
-CMP9							
COMPASS	ZCP3B	SB7	X1-1R		CMP9	24	A
COMPASS		SB6	B0	FLAG TO INDICATE BEGIN TO SCAN VARIABLES.	CPS147X	6	A
COMPASS		NZ	B7,ZCP1A	IF NOT END OF OPCODE FIELD	COMPASS	5802	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	ZCP1	SA1	P2TEMPA		COMPASS	5803	A
COMPASS	-CMP9	NZ	X1,ZCP1B	IF IN VARIABLE FIELD	COMPASS	5804	I
COMPASS		NZ	X1,ZCP2	IF END OF VARIABLE FIELD	CMP9	25	A
COMPASS		SA2	COL+1		COMPASS	5805	A
COMPASS		BX6	X2	RESET TO VARIABLE FIELD	COMPASS	5806	A
COMPASS		SA6	A1		COMPASS	5807	A
COMPASS	ZCP1A	SA6	COLUMN		COMPASS	5808	A
COMPASS		RJ	GETCH		COMPASS	5809	A
COMPASS		EQ	B6,B0,ZCP1B	IF BEGINNING SCAN OF VARIABLES.	CPS147X	7	A
COMPASS		SA2	CHAR	ELSE CONTINUING SCAN. CHECK FIRST CHAR.	CPS147X	8	A
COMPASS		SB7	X2-1R		CPS147X	9	A
COMPASS		ZR	B7,ZCP2	IF FIRST CHAR OF VARIABLE FIELD IS BLANK.	CPS147X	10	A
COMPASS	ZCP1B	SA2	OPADS+3		COMPASS	5810	A
COMPASS		SX1	6		COMPASS	5811	A
COMPASS		ZR	X2,*+1		COMPASS	5812	A
COMPASS		SX1	18		COMPASS	5813	A
COMPASS		RJ	SCAD		COMPASS	5814	A
COMPASS		SA4	EXREG	TEST FOR A REGISTER FIELD	COMPASS	5815	A
COMPASS		ZR	X4,ZCP2	JUMP IF ADDRESS FIELD	COMPASS	5816	A
COMPASS		SA2	P2TEMP	COMBINE REGISTER FIELDS	COMPASS	5817	A
COMPASS		LX2	9		COMPASS	5818	A
COMPASS		BX6	X4+X2		COMPASS	5819	A
COMPASS		SA6	A2		COMPASS	5820	A
COMPASS		SB7	X1-1R	TEST FOR END OF ADDRESS FIELD	COMPASS	5821	A
COMPASS	-CMP9	NZ	B7,ZCP1	IF MORE REGISTERS	COMPASS	5822	I
COMPASS		SA1	P2TEMPA		COMPASS	5823	I
COMPASS	-CMP9						
COMPASS		ZR	X1,ZCP1	IF NOT IN VARIABLE FIELD	COMPASS	5824	I
COMPASS	-CMP9						
COMPASS		NZ	B7,ZCP1B	IF MORE REGISTERS	CMP9	26	A
COMPASS		SB6	B1	FLAG TO INDICATE CONTINUE SCAN OF VARIABLES	CPS147X	11	A
COMPASS		EQ	ZCP1	IF BLANK	CMP9	27	A
COMPASS	ZCP2	SA1	P2TEMPB		COMPASS	5825	I
COMPASS	-CPS026						
COMPASS	ZCP2	SX6	1R		CPS026	13	A
COMPASS		SA6	REFLET		CPS026	14	A
COMPASS		SA1	P2TEMPB		CPS026	15	A
COMPASS		SA2	P2TEMP	OR OPCODE REGISTER INTO REGISTERS	COMPASS	5826	A
COMPASS		LX2	9		COMPASS	5827	A
COMPASS		BX1	X1+X2		COMPASS	5828	A
COMPASS		SA2	OPADS		COMPASS	5829	A
COMPASS		SA3	OPVAL		COMPASS	5830	A
COMPASS		BX6	X3		COMPASS	5831	A
COMPASS		MX0	57		COMPASS	5832	A
COMPASS		SB3	3		COMPASS	5833	A
COMPASS		SB5	B0		COMPASS	5834	A
COMPASS		SB4	9		COMPASS	5835	A
COMPASS	ZCP4	LX3	X2,B3		COMPASS	5836	A
COMPASS		IX4	X3+X2	COMBINE REGISTERS INTO OP CODE	COMPASS	5837	A
COMPASS		SB7	X4		COMPASS	5838	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SB6	B7-B4	COMPASS	5839	A
COMPASS	AX3	X1,B6	COMPASS	5840	A
COMPASS	BX4	-X0*X3	COMPASS	5841	A
COMPASS	LX5	X4,B5	COMPASS	5842	A
COMPASS	SA2	A2+B1	COMPASS	5843	A
COMPASS +	SB5	B5+B3	COMPASS	5844	A
COMPASS	ZR	B7,*+1	COMPASS	5845	A
COMPASS	BX6	X5+X6	COMPASS	5846	A
COMPASS	NE	B5,B4,ZCP4	COMPASS	5847	A
COMPASS	SA4	EXVAL	COMPASS	5848	A
COMPASS	SA5	A4+B1 EXREL	COMPASS	5849	A
COMPASS	SA1	A5+B1 EXEXT	COMPASS	5850	A
COMPASS	NZ	X2,ZCP100 IF 30-BIT INSTRUCTION	COMPASS	5851	A
COMPASS	MX0	54	COMPASS	5852	A
COMPASS -CMP30	+CPS001				
COMPASS	PL	X4,ZCP6 IF POSITIVE Q	COMPASS	5853	A
COMPASS -CMP30	+CPS001				
COMPASS	SX2	60	COMPASS	5854	A
COMPASS -CMP30	+CPS001				
COMPASS	IX4	X4+X2 TRY Q + 60	COMPASS	5855	A
COMPASS -CMP30	+CPS001				
COMPASS	PL	X4,ZCP6 IF Q IN RANGE	COMPASS	5856	A
COMPASS -CMP30	+CPS001				
COMPASS	IX4	X4-X2	COMPASS	5857	A
COMPASS -CMP30	+CPS001				
COMPASS	SX7	B1	COMPASS	5858	A
COMPASS -CMP30	+CPS001				
COMPASS	SA7	W7ERR	COMPASS	5859	A
COMPASS -CMP30	+CPS001				
COMPASS	SA7	EFLG	COMPASS	5860	A
COMPASS -CMP30	+CPS001				
COMPASS	ZCP6	BX4 -X0*X4 TRUNCATE ADDRESS TO 6 BITS	COMPASS	5861	A
COMPASS -CMP30	+CPS001				
COMPASS	IX6	X6+X4 OR INTO INSTRUCTION	COMPASS	5862	A
COMPASS -CMP30	+CPS001				
COMPASS	SX2	60	CMP30	2392	I
COMPASS -CPS001					
COMPASS	PL	X4,ZCP4A IF Q IS POSITIVE	CMP30	2393	I
COMPASS -CPS001					
COMPASS +	IX4	X4+X2	CMP30	2394	I
COMPASS -CPS001					
COMPASS	MI	X4,* ADD 60 UNTIL Q IS NOT NEGATIVE	CMP30	2395	I
COMPASS -CPS001					
COMPASS	ZCP4A	ZR X4,ZCP6	CMP30	2396	I
COMPASS -CPS001					
COMPASS +	IX4	X4-X2 TAKE Q MODULO 60	CMP30	2397	I
COMPASS -CPS001					
COMPASS	PL	X4,*	CMP30	2398	I
COMPASS -CPS001					
COMPASS	IX4	X4+X2 CHANGE TO 60 IF Q WAS MINUS ZERO OR	CMP30	2399	I
COMPASS -CPS001					
COMPASS	NZ	X4,ZCP6 A POSITIVE NON-ZERO MULTIPLE OF 60	CMP30	2400	I
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS001

1	COMPASS		BX4	X2		CMP30	2401	I	1
2		-CPS001							2
3	COMPASS	ZCP6	IX6	X6+X4	OR INTO INSTRUCTION	CMP30	2402	I	3
4		-CPS001							4
5	COMPASS		SA6	OPVAL	AND SAVE	COMPASS	5863	A	5
6	COMPASS		BX1	X5+X1	DISAPPROVE OF EXT OR REL	COMPASS	5864	A	6
7	COMPASS		SX7	B1		COMPASS	5865	A	7
8	COMPASS		ZR	X1,ZCP5	COMPLAIN IF RELOCATABLE OR EXTERNAL	COMPASS	5866	A	8
9	COMPASS		SA7	AERR		COMPASS	5867	A	9
10	COMPASS		SA7	EFLG		COMPASS	5868	A	10
11	COMPASS	ZCP5	SX1	15		COMPASS	5869	A	11
12	COMPASS		RJ	UPPOS	CALL UPPOS(15)	COMPASS	5870	A	12
13	COMPASS		SA1	OPVAL		COMPASS	5871	A	13
14	COMPASS		SA2	POSCTR	CONSTRUCT PRINT LINE	COMPASS	5872	A	14
15	COMPASS		SX3	5		COMPASS	5873	A	15
16	COMPASS		SX4	3		COMPASS	5874	A	16
17	COMPASS		IX2	X2/X4		COMPASS	5875	A	17
18	COMPASS		SX4	36		COMPASS	5876	A	18
19	COMPASS		IX2	X4-X2		COMPASS	5877	A	19
20	COMPASS		RJ	PACK0		COMPASS	5878	A	20
21	COMPASS		SA1	OPVAL		COMPASS	5879	A	21
22	COMPASS		SX2	15		COMPASS	5880	A	22
23	COMPASS		SX3	B0		COMPASS	5881	A	23
24	COMPASS		MX4	0		COMPASS	5882	A	24
25	COMPASS		RJ	BINOUT	OUTPUT INSTRUCTION	COMPASS	5883	A	25
26	COMPASS		EQ	ZLISTG	AND GO LIST	COMPASS	5884	A	26
27	COMPASS					COMPASS	5885	A	27
28	COMPASS	ZCP100	LX6	15	30-BIT INSTRUCTIONS	COMPASS	5886	A	28
29	COMPASS		MX0	42		COMPASS	5887	A	29
30	COMPASS		BX2	-X0*X4	TRUNCATE ADDRESS TO 18-BITS	COMPASS	5888	A	30
31	COMPASS		IX6	X2+X6		COMPASS	5889	A	31
32	COMPASS		SA6	OPVAL		COMPASS	5890	A	32
33	COMPASS		AX4	18		COMPASS	5891	A	33
34	COMPASS		SX6	B1		COMPASS	5892	A	34
35	COMPASS		ZR	X4,ZCP100A	IF NO ADDRESS OVERFLOW	COMPASS	5893	A	35
36	COMPASS		SA6	W7ERR		COMPASS	5894	A	36
37	COMPASS		SA6	EFLG		COMPASS	5895	A	37
38	COMPASS	ZCP100A	SX1	30		COMPASS	5896	I	38
39		-CMP30							39
40	COMPASS		RJ	UPPOS	CALL UPOS(30)	COMPASS	5897	I	40
41		-CMP30							41
42	COMPASS	ZCP100A	SX1	12		CMP30	2403	A	42
43	COMPASS		RJ	UPPOS	CALL UPPOS (12)	CMP30	2404	A	43
44	COMPASS		SA1	OPVAL		CMP30	2405	A	44
45	COMPASS		SX2	12		CMP30	2406	A	45
46	COMPASS		BX3	X3-X3		CMP30	2407	A	46
47	COMPASS		SX4	B0		CMP30	2408	A	47
48	COMPASS		AX1	18		CMP30	2409	A	48
49	COMPASS		RJ	BINOUT	CALL BINOUT (OPVAL/2**18, 12, 0, 0)	CMP30	2410	A	49
50	COMPASS		SX1	18		CMP30	2411	A	50
51	COMPASS		RJ	UPPOS	CALL UPPOS (18)	CMP30	2412	A	51

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## 14121HE

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

## -CPSA281

1	COMPASS	RJ	ZPRLOC	PROCESS LOCATION SYMBOL	CPSA281	129	A	
2	COMPASS	SA1	OPTYPE		COMPASS	5923	A	
3	COMPASS	MX0	-12	ISOLATE 12-BIT OP CODE	COMPASS	5924		I
4	-CPSA281							
5	COMPASS	MX0	-16	ISOLATE 16-BIT OPCODE	CPSA281	130	A	
6	COMPASS	BX7	-X0*X1		COMPASS	5925	A	
7	COMPASS	AX1	27	EXTRACT CONTROL DIGIT	COMPASS	5926	A	
8	COMPASS	SX0	B1		COMPASS	5927	A	
9	COMPASS	SA7	OPVAL		COMPASS	5928	A	
10	COMPASS	BX6	X0*X1		COMPASS	5929		I
11	-CPS026							
12	COMPASS	SA2	PSIM	PERIPHERAL STORE INSTRUCTION MASK	CPS026	16	A	
13	COMPASS	AX7	6	GET 6-BIT OP CODE	CPS026	17	A	
14	COMPASS	SB7	X7		CPS026	18	A	
15	COMPASS	LX2	B7		CPS026	19	A	
16	COMPASS	PL	X2,ZPP1	IF NOT A STORE INSTRUCTION	CPS026	20	A	
17	COMPASS	SX6	1RS		CPS026	21	A	
18	COMPASS	SA6	REFLET		CPS026	22	A	
19	COMPASS	ZPP1	BX6	X0*X1	CPS026	23	A	
20	COMPASS	AX1	1		COMPASS	5930	A	
21	COMPASS	SX0	3	TYPE OF ADDRESS FIELD	COMPASS	5931	A	
22	COMPASS	BX7	X0*X1		COMPASS	5932	A	
23	COMPASS	SA6	OPADS	24-BIT FLAG	COMPASS	5933	A	
24	COMPASS	SA7	A6+B1		COMPASS	5934	A	
25	COMPASS	NZ	X6,ZPP100	IF 24-BIT OPCODE	COMPASS	5935		I
26	-CPSA281							
27	COMPASS	NZ	X6,ZPP100	IF 24-BIT INSTRUCTION	CPSA281	131	A	
28	COMPASS	SX1	6		COMPASS	5936	A	
29	COMPASS	+	SB7	X7	COMPASS	5937		I
30	-CPS026							
31	COMPASS	SX6	B7		CPS026	24	A	
32	COMPASS	AX6	2		CPS026	25	A	
33	COMPASS	SB7	X6-44BS-2		CPS026	26	A	
34	COMPASS	NZ	B7,ZPP1A	IF NOT A STORE INSTRUCTION	CPS026	27	A	
35	COMPASS	SX6	1RI		CPS026	28	A	
36	COMPASS	SA6	REFLET		CPS026	29	A	
37	COMPASS	ZPP1A	SB7	X7	CPS026	30	A	
38	COMPASS	NE	B7,B1,*+1	IF NOT TYPE 2	COMPASS	5938		I
39	-CPSA281							
40	COMPASS	LX1	1		COMPASS	5939		I
41	-CPSA281							
42	COMPASS	NE	B7,B1,ZPP1B	IF NOT TYPE 2	CPSA281	132	A	
43	COMPASS	SA1	PPMEMSZ	12-4K, 13-8K, 14-16K MEMORY SIZES	CPSA281	133	A	
44	COMPASS	ZPP1B	BSS	0	CPSA281	134	A	
45	COMPASS	RJ	SCAD	SCAN ADDRESS FOR 12-BIT OPCODE	COMPASS	5940	A	
46	COMPASS	SX6	1R		CPS026	31	A	
47	COMPASS	SA6	REFLET		CPS026	32	A	
48	COMPASS	SA1	OPADS+1		COMPASS	5941	A	
49	COMPASS	SB7	X1		COMPASS	5942	A	
50	COMPASS	JP	B7+*	JUMP ON ADDRESS TYPE	COMPASS	5943	A	
51	COMPASS				COMPASS	5944	A	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	+	SA1	EXVAL	TYPE 2 - RELATIVE BETWEEN 32 AND -32	COMPASS	5945	A
1	COMPASS		EQ	ZPP21		COMPASS	5946	A
2	COMPASS	+	SA1	EXVAL	TYPE 4 - DIRECT CORE (0-63)	COMPASS	5947	A
3	COMPASS		EQ	ZPP22		COMPASS	5948	A
4	COMPASS	+	SA1	EXVAL	TYPE 6 - ABSOLUTE BETWEEN -32, +32	COMPASS	5949	A
5	COMPASS		EQ	ZPP23		COMPASS	5950	A
6	COMPASS					COMPASS	5951	A
7	COMPASS	ZPP21	SA3	LOCCTR		COMPASS	5952	A
8	COMPASS		SA4	PPJUMP		COMPASS	5953	A
9	COMPASS		NZ	X4,ZP21A	IF PPJUMP SET	COMPASS	5954	A
10	COMPASS		BX2	X1		COMPASS	5955	A
11	COMPASS		AX2	5	CHECK FOR BETWEEN +32 AND -32	COMPASS	5956	A
12	COMPASS		ZR	X2,ZPP24		COMPASS	5957	A
13	COMPASS	ZP21A	IX1	X1-X3		COMPASS	5958	A
14	COMPASS	ZPP23	BX2	X1		COMPASS	5959	A
15	COMPASS		AX2	5		COMPASS	5960	A
16	COMPASS		ZR	X2,ZPP24		COMPASS	5961	A
17	COMPASS	ZPP25	SX6	B1	BAD ADDRESS FIELD	COMPASS	5962	A
18	COMPASS		SA6	AERR		COMPASS	5963	A
19	COMPASS		SA6	EFLG		COMPASS	5964	A
20	COMPASS	ZPP24	MX0	54		COMPASS	5965	A
21	COMPASS		BX1	-X0*X1	TRUNCATE TO 6 BITS	COMPASS	5966	A
22	COMPASS		SA2	OPVAL		COMPASS	5967	A
23	COMPASS		IX6	X1+X2		COMPASS	5968	A
24	COMPASS		SA6	A2		COMPASS	5969	A
25	COMPASS		SX1	12		COMPASS	5970	I
26		-CPSA281						
27	COMPASS		SA1	LWORD		CPSA281	135	A
28	COMPASS		RJ	UPPOS	CALL UPPOS(12)	COMPASS	5971	A
29	COMPASS		SA1	OPVAL		COMPASS	5972	A
30	COMPASS		SX2	25		COMPASS	5973	A
31	COMPASS		SX3	4		COMPASS	5974	I
32		-CPSA281						
33	COMPASS		SA3	PPBYT		CPSA281	136	A
34	COMPASS		RJ	PACK0	CALL PACK0(OPVAL,25,4)	COMPASS	5975	A
35	COMPASS		SA1	OPVAL		COMPASS	5976	A
36	COMPASS		SX2	12		COMPASS	5977	I
37		-CPSA281						
38	COMPASS		SA2	LWORD		CPSA281	137	A
39	COMPASS		SX3	B0		COMPASS	5978	A
40	COMPASS		BX4	X3		COMPASS	5979	A
41	COMPASS		RJ	BINOUT	CALL BINOUT(OPVAL,12,0,0)	COMPASS	5980	A
42	COMPASS		EQ	ZLISTG		COMPASS	5981	A
43	COMPASS	ZPP22	NG	X1,ZPP25	COMPLAIN IF ADDRESS NEGATIVE	COMPASS	5982	A
44	COMPASS		SB7	X1-64	CHECK FOR EXCESS OF 63	COMPASS	5983	A
45	COMPASS		NG	B7,ZPP24		COMPASS	5984	I
46		-CPSA297						
47	COMPASS		EQ	ZPP25		COMPASS	5985	I
48		-CPSA297						
49	COMPASS		PL	B7,ZPP25		CPSA297	21	A
50	COMPASS		SA2	OPVAL	CURRENT OPCODE	CPSA297	22	A
51	COMPASS		SA3	PSIM2	INSTRUCTION MASK FOR STORES THAT PREFETCH	CPSA297	23	A
52								
53		0	1	2	3	4	5	6
54		1234567890123456789012345678901234567890123456789012345678901234567890						

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	AX2	6	ERROR MAY BE FLAGGED	CPSA297	24	A
COMPASS	SB7	X2		CPSA297	25	A
COMPASS	LX3	X3,B7		CPSA297	26	A
COMPASS	PL	X3,ZPP24	IF NOT TO CHECK FOR PREFETCH ERROR	CPSA297	27	A
COMPASS	SX6	B1		CPSA297	28	A
COMPASS	SA3	LOCCTR	CHECK IF STORING AT *+1	CPSA297	29	A
COMPASS	IX3	X3-X1		CPSA297	30	A
COMPASS	SX3	X3+B1		CPSA297	31	A
COMPASS	NZ	X3,ZPP24	IF NOT *+1	CPSA297	32	A
COMPASS	SA6	EFLG		CPSA297	33	A
COMPASS	SA6	WD45ERR	+ ERROR	CPSA297	34	A
COMPASS	EQ	ZPP24		CPSA297	35	A
COMPASS				COMPASS	5986	A
COMPASS *		24-BIT PP INSTRUCTIONS.		COMPASS	5987	A
COMPASS				COMPASS	5988	A
COMPASS	ZPP100	SA1	OPVAL SHIFT OPVALUE OVER	COMPASS	5989	I
-CPSA281						
COMPASS	LX1	12		COMPASS	5990	I
-CPSA281						
COMPASS	BX7	X1		COMPASS	5991	I
-CPSA281						
COMPASS	SA7	A1		COMPASS	5992	I
-CPSA281						
COMPASS	SX1	18		COMPASS	5993	I
-CPSA281						
COMPASS	ZPP100	SA4	OPVAL SHIFT OPVALUE LEFT 18 BITS	CPSA281	138	A
COMPASS	BX7	X4		CPSA281	139	A
COMPASS	LX7	18		CPSA281	140	A
COMPASS	SA7	A4		CPSA281	141	A
COMPASS	SX1	18	SET FOR ADDRESS SIZE = 18	CPSA281	142	A
COMPASS	SA2	OPADS+1		COMPASS	5994	A
COMPASS	SX2	X2-1		COMPASS	5995	A
COMPASS	+	ZR	X2,*+1	COMPASS	5996	I
-CPSA281						
COMPASS	SX1	12		COMPASS	5997	I
-CPSA281						
COMPASS	RJ	SCAD	EVALUATE FIRST ADDRESS FIELD	COMPASS	5998	I
-CPSA281						
COMPASS	ZR	X2,ZPP101	IF TYPE 3 INSTRUCTION	CPSA281	143	A
COMPASS	SA1	PPMEMSZ	12-4K, 13-8K, 14-16K MEMORY SIZES	CPSA281	144	A
COMPASS	SA3	PPTYPE	MUST SPECIAL-CASE *FNCL* INSTRUCTION	CPSA281	145	A
COMPASS	SX3	X3+3		CPSA281	146	A
COMPASS	NZ	X3,ZPP101	IF NOT 180 PPU ASSEMBLY	CPSA281	147	A
COMPASS	SX4	X4-FNCLCDE		CPSA281	148	A
COMPASS	NZ	X4,ZPP101	IF NOT *FNCL* INSTRUCTION	CPSA281	149	A
COMPASS	SX1	16	SET *FNCL* ADDRESS SIZE = 16	CPSA281	150	A
COMPASS	ZPP101	RJ	EVALUATE FIRST ADDRESS FIELD	CPSA281	151	A
COMPASS	SX6	1R		CPS026	33	A
COMPASS	SA6	REFLET		CPS026	34	A
COMPASS	SA1	OPADS+1		COMPASS	5999	A
COMPASS	SB7	X1		COMPASS	6000	A
COMPASS	SA2	EXVAL		COMPASS	6001	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS		JP	*+1+B7		COMPASS	6002	A	
1	COMPASS					COMPASS	6003	A	
2	COMPASS	+	MX0	-12	TYPE 1 - MEMORY (12 BIT) ADDRESS	COMPASS	6004		I
3		-CPSA281							
4	COMPASS	+	MX0	-16	TYPE 1 - MEMORY (16 BIT) ADDRESS	CPSA281	152	A	
5	COMPASS		BX6	-X0*X2	WITH NO SECOND FIELD	COMPASS	6005		I
6		-CMP029							
7	COMPASS		BX2	-X0*X2	WITH NO SECOND FIELD	CMP029	16	A	
8	COMPASS		EQ	ZPP104		COMPASS	6006	A	
9	COMPASS	+	MX0	42	TYPE 3 - CONSTANT (18 BIT) ADDRESS	COMPASS	6007	A	
10	COMPASS		BX2	-X0*X2		COMPASS	6008	A	
11	COMPASS		EQ	ZPP104		COMPASS	6009	A	
12	COMPASS	+	MX0	48	TYPE 5 - MEMORY (12 BIT) ADDRESS	COMPASS	6010		I
13		-CPSA281							
14	COMPASS	+	MX0	-16	TYPE 5 - MEMORY (16 BIT) ADDRESS	CPSA281	153	A	
15	COMPASS		BX6	-X0*X2	WITH OPTIONAL SECOND FIELD	COMPASS	6011	A	
16	COMPASS		EQ	ZPP102		COMPASS	6012	A	
17	COMPASS	+	SA1	CHAR	TYPE 7 - MEMORY (12 BIT) ADDRESS	COMPASS	6013	A	
18	COMPASS		SB7	X1-1R	WITH MANDATORY SECOND ADDRESS	COMPASS	6014	A	
19	COMPASS					COMPASS	6015	A	
20	COMPASS		NZ	B7,ZPP105	IF CHANNEL NUMBER IS PRESENT	COMPASS	6016	A	
21	COMPASS		SX6	B1	SET MISSING ADDRESS ERROR	COMPASS	6017	A	
22	COMPASS		SA6	EFLG		COMPASS	6018	A	
23	COMPASS		SA6	W8ERR		COMPASS	6019	A	
24	COMPASS	ZPP105	MX0	48		COMPASS	6020		I
25		-CPSA281							
26	COMPASS	ZPP105	MX0	-16		CPSA281	154	A	
27	COMPASS		BX6	-X0*X2		COMPASS	6021	A	
28	COMPASS	ZPP102	SA6	P2TEMP		COMPASS	6022	A	
29	COMPASS		SX1	6		COMPASS	6023		I
30		-CPSA297							
31	COMPASS		SA2	OPVAL	CURRENT OP CODE	CPSA297	36	A	
32	COMPASS		SA3	PSIM2	INSTRUCTION MASK FOR STORES THAT PREFETCH	CPSA297	37	A	
33	COMPASS		AX2	6+18	ERROR MAY BE FLAGGED	CPSA297	38	A	
34	COMPASS		SB7	X2		CPSA297	39	A	
35	COMPASS		LX3	X3,B7		CPSA297	40	A	
36	COMPASS		PL	X3,ZPP102A	IF NOT TO CHECK FOR PREFETCH ERROR	CPSA297	41	A	
37	COMPASS		SA4	LOCCTR	CHECK IF STORING AT *+2	CPSA297	42	A	
38	COMPASS		IX4	X4-X6		CPSA297	43	A	
39	COMPASS		SX7	B1		CPSA297	44	A	
40	COMPASS		SX4	X4+2		CPSA297	45	A	
41	COMPASS		NZ	X4,ZPP102A	IF NOT *+2	CPSA297	46	A	
42	COMPASS		SA7	EFLG		CPSA297	47	A	
43	COMPASS		SA7	WD45ERR	+ ERROR	CPSA297	48	A	
44	COMPASS	ZPP102A	SX1	6		CPSA297	49	A	
45	COMPASS		RJ	SCAD	EVALUATE SECOND ADDRESS	COMPASS	6024	A	
46	COMPASS		SA1	EXVAL		COMPASS	6025	A	
47	COMPASS		PL	X1,ZPP103		COMPASS	6026	A	
48	COMPASS		SX6	B1	POST ADDRESS FIELD OVERFLOW	COMPASS	6027	A	
49	COMPASS		SA6	EFLG		COMPASS	6028	A	
50	COMPASS		SA6	W7ERR		COMPASS	6029	A	
51	COMPASS	ZPP103	MX0	54		COMPASS	6030	A	

[illegible]



## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	BX1	-X0*X1	TRUNCATE TO 6 BITS	COMPASS	6031	A	
COMPASS	SA2	P2TEMP		COMPASS	6032	A	
COMPASS	LX1	12		COMPASS	6033		I
-CPSA281							
COMPASS	LX1	18		CPSA281	155	A	
COMPASS	BX2	X2+X1	OR DIRECT REFERENCE INTO OP	COMPASS	6034	A	
COMPASS	ZPP104	SA1	OPVAL	COMPASS	6035		I
-CPSA281							
COMPASS	ZPP104	SA3	OPADS+1	CPSA281	156	A	
COMPASS	SX3	X3-1		CPSA281	157	A	
COMPASS	NZ	X3,ZPP104A	IF NOT 18-BIT CONSTANT ADDRESS	CPSA281	158	A	
COMPASS	MX6	-12	MOVE UPPER 6 BITS OF ADDRESS FIELD	CPSA281	159	A	
COMPASS	BX1	-X6*X2	INTO SECOND ADDRESS FIELD	CPSA281	160	A	
COMPASS	BX6	X6*X2		CPSA281	161	A	
COMPASS	LX6	6		CPSA281	162	A	
COMPASS	BX2	X6+X1		CPSA281	163	A	
COMPASS	ZPP104A	SA1	OPVAL	CPSA281	164	A	
COMPASS	BX6	X1+X2	SET UP TO OUTPUT 24 OR 32-BIT INSTR	COMPASS	6036	A	
COMPASS	SA6	A1		COMPASS	6037	A	
COMPASS	AX6	12		COMPASS	6038		I
-CPSA281							
COMPASS	AX6	18		CPSA281	165	A	
COMPASS	SA6	P2TEMP		COMPASS	6039	A	
COMPASS	SX1	12		COMPASS	6040		I
-CPSA281							
COMPASS	SA1	LWORD		CPSA281	166	A	
COMPASS	RJ	UPPOS	CALL UPPOS(12)	COMPASS	6041	A	
COMPASS	SA1	P2TEMP		COMPASS	6042	A	
COMPASS	SX2	25		COMPASS	6043	A	
COMPASS	SX3	4		COMPASS	6044		I
-CPSA281							
COMPASS	SA3	PPBYT		CPSA281	167	A	
COMPASS	RJ	PACK0	CALL PACK0(HIGH 12 BITS,25,4)	COMPASS	6045	A	
COMPASS	SA1	P2TEMP		COMPASS	6046	A	
COMPASS	SX2	12		COMPASS	6047		I
-CPSA281							
COMPASS	SA2	LWORD		CPSA281	168	A	
COMPASS	MX3	0		COMPASS	6048	A	
COMPASS	BX4	X3		COMPASS	6049	A	
COMPASS	RJ	BINOUT	CALL BINOUT(HIGH 12 BITS,12,0,0)	COMPASS	6050	A	
COMPASS	RJ	DWORD	DUMP THIS WORD	COMPASS	6051	A	
COMPASS	SX1	12		COMPASS	6052		I
-CPSA281							
COMPASS	SA1	LWORD		CPSA281	169	A	
COMPASS	RJ	UPPOS	CALL UPPOS(12)	COMPASS	6053	A	
COMPASS	SA1	OPVAL		COMPASS	6054	A	
COMPASS	SX2	30		COMPASS	6055	A	
COMPASS	SX3	4		COMPASS	6056		I
-CPSA281							
COMPASS	MX3	-18		CPSA281	170	A	
COMPASS	BX1	-X3*X1		CPSA281	171	A	
COMPASS	SA4	PPTYPE		CPSA281	172	A	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA2	EXVAL	SAVE VALUE	F4820	274	A
COMPASS	BX6	X2		F4820	275	A
COMPASS	SX1	4		F4820	276	I
-F4820B						
COMPASS	SX1	16		F4820B	48	A
COMPASS	SA6	A3+B1		F4820	277	A
COMPASS	PL	X3,*+1	IF NO SECOND FIELD	F4820	278	A
COMPASS	RJ	SCAD		F4820	279	A
COMPASS	SA1	OPADS	CHECK TYPE	F4820	280	A
COMPASS	SA3	OPVAL	(X3) = OPCODE VALUE	F4820	281	A
COMPASS	SA2	A1+B1	(X2) = FIRST ADDRESS VALUE	F4820	282	A
COMPASS	SA4	EXVAL	(X4) = SECOND ADDRESS VALUE	F4820	283	A
COMPASS	MX0	-4	(X0) = FIELD WIDTH MASK	F4820	284	A
COMPASS	SB7	X1		F4820	285	A
COMPASS	SB6	B0	(B6) = SHIFT COUNT	F4820	286	A
COMPASS	JP	B7	JUMP ON ADDRESS TYPE	F4820	287	A
COMPASS				F4820	288	A
COMPASS				F4820	289	A
COMPASS	**	0 - 4-BIT ADDRESS. (SAB)		F4820	290	A
COMPASS				F4820	291	A
COMPASS	ZBC1	BX7	X0*X2	F4820	292	A
COMPASS	ZR	X7,ZBC3	IF NOT OVER FIELD WIDTH	F4820	293	A
COMPASS				F4820	294	A
COMPASS				F4820	295	A
COMPASS	**	PROCESS *A* ERROR.		F4820	296	A
COMPASS				F4820	297	A
COMPASS	ZBC2	SX6	B1	F4820	298	A
COMPASS		SA6	AERR	F4820	299	A
COMPASS		SA6	EFLG	F4820	300	A
COMPASS				F4820	301	A
COMPASS				F4820	302	A
COMPASS	**	FORM INSTRUCTION.		F4820	303	A
COMPASS				F4820	304	A
COMPASS	ZBC3	BX6	-X0*X2	F4820	305	A
COMPASS		LX6	X6,B6	F4820	306	A
COMPASS		IX6	X6+X3	F4820	307	A
COMPASS		SA6	OPVAL	F4820	308	A
COMPASS	ZBC4	SX1	16	F4820	309	A
COMPASS		RJ	UPPOS	F4820	310	A
COMPASS		SA1	OPVAL	F4820	311	A
COMPASS		SX2	25	F4820	312	A
COMPASS		SX3	4	F4820	313	A
COMPASS		RJ	PACK0	F4820	314	A
COMPASS		SA1	OPVAL	F4820	315	A
COMPASS		SX2	16	F4820	316	A
COMPASS		MX3	0	F4820	317	A
COMPASS		BX4	X4-X4	F4820	318	A
COMPASS		RJ	BINOUT	F4820	319	A
COMPASS		EQ	ZLISTG	F4820	320	A
COMPASS			RETURN	F4820	321	A
COMPASS				F4820	322	A
COMPASS	**	1 - (16 - 4-BIT) ADDRESS. (SLC)		F4820	323	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS						F4820	324	A
COMPASS	ZBC5	SX6	16			F4820	325	A
COMPASS		ZR	X2,ZBC1	IF NO SHIFT		F4820	326	A
COMPASS		IX2	X6-X2			F4820	327	A
COMPASS		JP	ZBC1			F4820	328	A
COMPASS						F4820	329	A
COMPASS						F4820	330	A
COMPASS	**	2	(15 - 4-BIT) ADDRESS. (TAB)			F4820	331	A
COMPASS						F4820	332	A
COMPASS	ZBC6	SX6	15			F4820	333	A
COMPASS		IX2	X6-X2			F4820	334	A
COMPASS		JP	ZBC1			F4820	335	A
COMPASS						F4820	336	A
COMPASS						F4820	337	A
COMPASS	**	3	8-BIT ADDRESS. (ADN)			F4820	338	A
COMPASS						F4820	339	A
COMPASS	ZBC7	MX0	-8			F4820	340	A
COMPASS		JP	ZBC1			F4820	341	A
COMPASS						F4820	342	A
COMPASS						F4820	343	A
COMPASS	**	4	9-BIT RELATIVE ADDRESS. (UJR)			F4820	344	A
COMPASS						F4820	345	A
COMPASS	ZBC8	BX1	X2	CALL PACK0(VALUE,30,4)		F4820	346	I
	-F4820A							
COMPASS		SX2	30			F4820	347	I
	-F4820A							
COMPASS	ZBC8	BX1	X2	CALL PACK0(VALUE,34,4)		F4820A	5	A
COMPASS		SX2	34			F4820A	6	A
COMPASS		SX3	4			F4820	348	A
COMPASS		RJ	PACK0			F4820	349	A
COMPASS		SX6	1R(			F4820A	7	A
COMPASS		SA6	OCTAL+29			F4820A	8	A
COMPASS		SX6	1R)			F4820A	9	A
COMPASS		SA6	OCTAL+34			F4820A	10	A
COMPASS		SA2	OPADS+1			F4820	350	A
COMPASS		SA3	OPVAL			F4820	351	A
COMPASS		SA4	LOCCTR			F4820	352	A
COMPASS		SB6	B0			F4820	353	A
COMPASS		IX2	X2-X4			F4820	354	A
COMPASS		MX0	-8			F4820	355	A
COMPASS		PL	X2,ZBC1	IF JUMP FORWARD		F4820	356	A
COMPASS		SX3	X3+0#0400			F4820	357	A
COMPASS		BX2	-X2			F4820	358	A
COMPASS		JP	ZBC1			F4820	359	A
COMPASS						F4820	360	A
COMPASS						F4820	361	A
COMPASS	**	5	4-BIT CHANNEL AND NO ADDRESS. (IAN)			F4820	362	A
COMPASS						F4820	363	A
COMPASS	ZBC9	SB6	4	SET SHIFT COUNT		F4820	364	A
COMPASS		JP	ZBC1			F4820	365	A
COMPASS						F4820	366	A
COMPASS						F4820	367	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	**	6 - 8-BIT ADDRESS AND OPTIONAL INDEXING. (LDD) (UJI)				F4820	368	A		
1	COMPASS						F4820	369	A	1	
2	COMPASS	ZBC10	MX0	8			F4820	370	A	2	
3	COMPASS		NG	X4,ZBC2	IF NEGATIVE INDEX		F4820	371	A	3	
4	COMPASS		SB7	X4-3			F4820	372	A	5	
5	COMPASS		PL	B7,ZBC2	IF INDEX .GE. 3		F4820	373	A	6	
6	COMPASS		LX4	8	MERGE INDEX REGISTER WITH OPVAL		F4820	374	A	7	
7	COMPASS		IX6	X3+X4			F4820	375	A	8	
8	COMPASS		IX3	X3+X4			F4820	376	A	9	
9	COMPASS		SA6	OPVAL			F4820	377	A	10	
10	COMPASS		LX6	-11			F4820	378	A	11	
11	COMPASS		PL	X6,ZBC1	IF NOT INDIRECT		F4820	379	A	12	
12	COMPASS		BX1	-X0*X2	EXTRACT DIRECT CELL		F4820	380	A	13	
13	COMPASS		RJ	RBV	READ BINARY VALUE		F4820	381	A	14	
14	COMPASS		BX1	X6			F4820	382	A	15	
15	COMPASS		ZR	X6,ZBC11	IF NO INDIRECT VALUE		F4820	383	A	16	
16	COMPASS		SX2	30			F4820	384	A	17	
17	COMPASS		SX3	4			F4820	385	A	18	
18	COMPASS		RJ	PACK0			F4820	386	A	19	
19	COMPASS	ZBC11	SA3	OPVAL			F4820	387	A	20	
20	COMPASS		SA2	OPADS+1			F4820	388	A	21	
21	COMPASS		SB6	B0			F4820	389	A	22	
22	COMPASS		MX0	-8			F4820	390	A	23	
23	COMPASS		JP	ZBC1			F4820	391	A	24	
24	COMPASS						F4820	392	A	25	
25	COMPASS						F4820	393	A	26	
26	COMPASS	**	7 - 4-BIT CHANNEL AND 4-BIT ADDRESS. (INT)				F4820	394	A	27	
27	COMPASS						F4820	395	A	28	
28	COMPASS	ZBC12	BX7	-X0*X4	CHECK 2ND FIELD		F4820	396	A	29	
29	COMPASS		BX6	X0*X4			F4820	397	A	30	
30	COMPASS		SB6	4			F4820	398	A	31	
31	COMPASS		IX3	X3+X7			F4820	399	A	32	
32	COMPASS		ZR	X6,ZBC1	IF NO ADDRESS OVERFLOW		F4820	400	A	33	
33	COMPASS		JP	ZBC2			F4820	401	A	34	
34	COMPASS						F4820B	49	A	35	
35	COMPASS	**	8 - 1-BIT ADDRESS. (JFA)				F4820B	50	A	36	
36	COMPASS						F4820B	51	A	37	
37	COMPASS	ZBC8.0	EQU	ZBC4			F4820B	52	A	38	
38	COMPASS						F4820B	53	A	39	
39	COMPASS						F4820B	54	A	40	
40	COMPASS						F4820B	55	A	41	
41	COMPASS	**	9 - 8-BIT RELATIVE ADDRESS BACKWARDS. (RTB)				F4820B	56	A	42	
42	COMPASS						F4820B	57	A	43	
43	COMPASS	ZBC9.0	BX1	X2	CALL PACK0(VALUE,34,4)		F4820B	58	A	44	
44	COMPASS		SX2	34			F4820B	59	A	45	
45	COMPASS		SX3	4			F4820B	60	A	46	
46	COMPASS		RJ	PACK0			F4820B	61	A	47	
47	COMPASS		SX6	1R(			F4820B	62	A	48	
48	COMPASS		SA6	OCTAL+29			F4820B	63	A	49	
49	COMPASS		SX6	1R)			F4820B	64	A	50	
50	COMPASS		SA6	OCTAL+34			F4820B	65	A	51	
51	COMPASS		SA2	OPADS+1			F4820B	66	A	52	
52											53
53	0 1 2 3 4 5 6 7 8										54
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	SA1	OPVAL	CALL BINOUT(OPVAL,16,0,0)	F4820B	119	A		
1	COMPASS	SX2	16		F4820B	120	A	1	
2	COMPASS	SX3	B0		F4820B	121	A	2	
3	COMPASS	SX4	B0		F4820B	122	A	3	
4	COMPASS	RJ	BINOUT		F4820B	123	A	4	
5	COMPASS	RJ	DWORD		F4820B	124	A	5	
6	COMPASS	RJ	LISTERG	LIST LINE	F4820B	125	A	6	
7	COMPASS	SX1	16	CALL UPPOS(16)	F4820B	126	A	7	
8	COMPASS	RJ	UPPOS		F4820B	127	A	8	
9	COMPASS	SA1	OPADS+1	CALL PACK0(OPADS+1,25,4)	F4820B	128	A	9	
10	COMPASS	SX2	25		F4820B	129	A	10	
11	COMPASS	SX3	4		F4820B	130	A	11	
12	COMPASS	RJ	PACK0		F4820B	131	A	12	
13	COMPASS	SA1	OPADS+1	CALL BINOUT(OPADS+1,16,0,0)	F4820B	132	A	13	
14	COMPASS	SX2	16		F4820B	133	A	14	
15	COMPASS	SX3	B0		F4820B	134	A	15	
16	COMPASS	SX4	B0		F4820B	135	A	16	
17	COMPASS	RJ	BINOUT		F4820B	136	A	17	
18	COMPASS	RJ	DWORD		F4820B	137	A	18	
19	COMPASS	RJ	LISTERG	LIST LINE	F4820B	138	A	19	
20	COMPASS	SX1	16	CALL UPPOS(16)	F4820B	139	A	20	
21	COMPASS	RJ	UPPOS		F4820B	140	A	21	
22	COMPASS	SA1	OPADS+2	CALL PACK0(OPADS+2,25,4)	F4820B	141	A	22	
23	COMPASS	SX2	25		F4820B	142	A	23	
24	COMPASS	SX3	4		F4820B	143	A	24	
25	COMPASS	RJ	PACK0		F4820B	144	A	25	
26	COMPASS	SA1	OPADS+2	CALL BINOUT(OPADS+2,16,0,0)	F4820B	145	A	26	
27	COMPASS	SX2	16		F4820B	146	A	27	
28	COMPASS	SX3	B0		F4820B	147	A	28	
29	COMPASS	SX4	B0		F4820B	148	A	29	
30	COMPASS	RJ	BINOUT		F4820B	149	A	30	
31	COMPASS	RJ	DWORD		F4820B	150	A	31	
32	COMPASS	RJ	LISTERG		F4820B	151	A	32	
33	COMPASS	SX1	16	CALL UPPOS(16)	F4820B	152	A	33	
34	COMPASS	RJ	UPPOS		F4820B	153	A	34	
35	COMPASS	SX1	0	CALL PACK0(0,25,4)	F4820B	154	A	35	
36	COMPASS	SX2	25		F4820B	155	A	36	
37	COMPASS	SX3	4		F4820B	156	A	37	
38	COMPASS	RJ	PACK0		F4820B	157	A	38	
39	COMPASS	SX1	0	CALL BINOUT(0,16,0,0)	F4820B	158	A	39	
40	COMPASS	SX2	16		F4820B	159	A	40	
41	COMPASS	SX3	B0		F4820B	160	A	41	
42	COMPASS	SX4	B0		F4820B	161	A	42	
43	COMPASS	RJ	BINOUT		F4820B	162	A	43	
44	COMPASS	JP	ZLISTG	RETURN	F4820B	163	A	44	
45	COMPASS				F4820B	164	A	45	
46	COMPASS	**	12 - 2	16-BIT ADDRESS. (QCL)	F4820B	165	A	46	
47	COMPASS				F4820B	166	A	47	
48	COMPASS	ZBC12.0	SX1	16	CALL UPPOS(16)	F4820B	167	A	48
49	COMPASS	RJ	UPPOS		F4820B	168	A	49	
50	COMPASS	SA1	OPVAL	CALL PACK0(OPVAL,25,4)	F4820B	169	A	50	
51	COMPASS	SX2	25		F4820B	170	A	51	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	SX3	4		F4820B	171	A		
1	COMPASS	RJ	PACKO		F4820B	172	A	1	
2	COMPASS	SA1	OPVAL	CALL BINOUT(OPVAL,16,0,0)	F4820B	173	A	2	
3	COMPASS	SX2	16		F4820B	174	A	3	
4	COMPASS	SX3	B0		F4820B	175	A	4	
5	COMPASS	SX4	B0		F4820B	176	A	5	
6	COMPASS	RJ	BINOUT		F4820B	177	A	6	
7	COMPASS	RJ	DWORD		F4820B	178	A	7	
8	COMPASS	RJ	LISTERG	LIST LINE	F4820B	179	A	8	
9	COMPASS	SX1	16	CALL UPPOS(16)	F4820B	180	A	9	
10	COMPASS	RJ	UPPOS		F4820B	181	A	10	
11	COMPASS	SA1	OPADS+1	CALL PACKO(OPADS+1,25,4)	F4820B	182	A	11	
12	COMPASS	SX2	25		F4820B	183	A	12	
13	COMPASS	SX3	4		F4820B	184	A	13	
14	COMPASS	RJ	PACKO		F4820B	185	A	14	
15	COMPASS	SA1	OPADS+1	CALL BINOUT(OPADS+1,16,0,0)	F4820B	186	A	15	
16	COMPASS	SX2	16		F4820B	187	A	16	
17	COMPASS	SX3	B0		F4820B	188	A	17	
18	COMPASS	SX4	B0		F4820B	189	A	18	
19	COMPASS	RJ	BINOUT		F4820B	190	A	19	
20	COMPASS	RJ	DWORD		F4820B	191	A	20	
21	COMPASS	RJ	LISTERG	LIST LINE	F4820B	192	A	21	
22	COMPASS	SX1	16	CALL UPPOS(16)	F4820B	193	A	22	
23	COMPASS	RJ	UPPOS		F4820B	194	A	23	
24	COMPASS	SA1	EXVAL	CALL PACKO(EXVAL,25,4)	F4820B	195	A	24	
25	COMPASS	SX2	25		F4820B	196	A	25	
26	COMPASS	SX3	4		F4820B	197	A	26	
27	COMPASS	RJ	PACKO		F4820B	198	A	27	
28	COMPASS	SA1	EXVAL	CALL BINOUT(EXVAL,16,0,0)	F4820B	199	A	28	
29	COMPASS	SX2	16		F4820B	200	A	29	
30	COMPASS	SX3	B0		F4820B	201	A	30	
31	COMPASS	SX4	B0		F4820B	202	A	31	
32	COMPASS	RJ	BINOUT		F4820B	203	A	32	
33	COMPASS	JP	ZLISTG	RETURN	F4820B	204	A	33	
34	COMPASS				F4820B	205	A	34	
35	COMPASS	**	13 - 7-BIT RELATIVE ADDRESS. (L1R)		F4820B	206	A	35	
36	COMPASS				F4820B	207	A	36	
37	COMPASS	ZBC13.0	BX1	X2	CALL PACKO(VALUE,34,4)	F4820B	208	A	37
38	COMPASS		SX2	34		F4820B	209	A	38
39	COMPASS		SX3	4		F4820B	210	A	39
40	COMPASS		RJ	PACKO		F4820B	211	A	40
41	COMPASS		SX6	1R(		F4820B	212	A	41
42	COMPASS		SA6	OCTAL+29		F4820B	213	A	42
43	COMPASS		SX6	1R)		F4820B	214	A	43
44	COMPASS		SA6	OCTAL+34		F4820B	215	A	44
45	COMPASS		SA2	OPADS+1		F4820B	216	A	45
46	COMPASS		SA3	OPVAL		F4820B	217	A	46
47	COMPASS		SA4	LOCCTR		F4820B	218	A	47
48	COMPASS		SB6	B0		F4820B	219	A	48
49	COMPASS		IX2	X2-X4		F4820B	220	A	49
50	COMPASS		MX0	-7		F4820B	221	A	50
51	COMPASS		PL	X2,ZBC1	IF JUMP FORWARD	F4820B	222	A	51

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SX3	X3+0#0080	F4820B	223	A
COMPASS	BX2	-X2	F4820B	224	A
COMPASS	JP	ZBC1	F4820B	225	A
COMPASS			F4820B	226	A
COMPASS	**	14 - 16 BIT INSTRUCTION AND 16 BIT ADDRESS (LJM)	F4820B	227	A
COMPASS			F4820B	228	A
COMPASS	ZBC14.0	SX1 16 CALL UPPOS(16)	F4820B	229	A
COMPASS	RJ	UPPOS	F4820B	230	A
COMPASS	SA1	OPVAL CALL PACKO(OPVAL,25,4)	F4820B	231	A
COMPASS	SX2	25	F4820B	232	A
COMPASS	SX3	4	F4820B	233	A
COMPASS	RJ	PACKO	F4820B	234	A
COMPASS	SA1	OPVAL CALL BINOUT(OPVAL,16,0,0)	F4820B	235	A
COMPASS	SX2	16	F4820B	236	A
COMPASS	SX3	B0	F4820B	237	A
COMPASS	SX4	B0	F4820B	238	A
COMPASS	RJ	BINOUT	F4820B	239	A
COMPASS	RJ	DWORD	F4820B	240	A
COMPASS	RJ	LISTERG LIST LINE	F4820B	241	A
COMPASS	SX1	16 CALL UPPOS(16)	F4820B	242	A
COMPASS	RJ	UPPOS	F4820B	243	A
COMPASS	SA1	OPADS+1 CALL PACKO(OPADS+1,25,4)	F4820B	244	A
COMPASS	SX2	25	F4820B	245	A
COMPASS	SX3	4	F4820B	246	A
COMPASS	RJ	PACKO	F4820B	247	A
COMPASS	SA1	OPADS+1 CALL BINOUT(OPADS+1,16,0,0)	F4820B	248	A
COMPASS	SX2	16	F4820B	249	A
COMPASS	SX3	B0	F4820B	250	A
COMPASS	SX4	B0	F4820B	251	A
COMPASS	RJ	BINOUT	F4820B	252	A
COMPASS	JP	ZLISTG RETURN	F4820B	253	A
COMPASS			F4820B	254	A
COMPASS	**	15 - 16 BIT INSTRUCTION WITH 3 16 BIT ADDRESS FIELDS (QGT)	F4820B	255	A
COMPASS			F4820B	256	A
COMPASS	ZBC15.0	BX6 X4 SAVE 2ND ADDRESS FIELD	F4820B	257	A
COMPASS	SA1	CHAR CHECK 3RD ADDRESS	F4820B	258	A
COMPASS	SA6	OPADS+2	F4820B	259	A
COMPASS	SB2	X1-1R	F4820B	260	A
COMPASS	ZR	B2,ZBC15.1 IF NO 3RD ADDRESS	F4820B	261	A
COMPASS	SX1	16 SCAN 3RD ADDRESS	F4820B	262	A
COMPASS	RJ	SCAD	F4820B	263	A
COMPASS	SA1	EXVAL ENTER MODE	F4820B	264	A
COMPASS	MX3	-16	F4820B	265	A
COMPASS	BX1	-X3*X1	F4820B	266	A
COMPASS	BX6	X1	F4820B	267	A
COMPASS	SA6	OPADS+3	F4820B	268	A
COMPASS	JP	ZBC15.2	F4820B	269	A
COMPASS	ZBC15.1	SX6 B1 SET A-ERROR	F4820B	270	A
COMPASS	SA6	AERR	F4820B	271	A
COMPASS	SA6	EFLG	F4820B	272	A
COMPASS	ZBC15.2	SX1 16 CALL UPPOS(16)	F4820B	273	A
COMPASS	RJ	UPPOS	F4820B	274	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA1	OPVAL	CALL PACK0(OPVAL,25,4)	F4820B	275	A
COMPASS	SX2	25		F4820B	276	A
COMPASS	SX3	4		F4820B	277	A
COMPASS	RJ	PACK0		F4820B	278	A
COMPASS	SA1	OPVAL	CALL BINOUT(OPVAL,16,0,0)	F4820B	279	A
COMPASS	SX2	16		F4820B	280	A
COMPASS	SX3	B0		F4820B	281	A
COMPASS	SX4	B0		F4820B	282	A
COMPASS	RJ	BINOUT		F4820B	283	A
COMPASS	RJ	DWORD		F4820B	284	A
COMPASS	RJ	LISTERG	LIST LINE	F4820B	285	A
COMPASS	SX1	16	CALL UPPOS(16)	F4820B	286	A
COMPASS	RJ	UPPOS		F4820B	287	A
COMPASS	SA1	OPADS+1	CALL PACK0(OPADS+1,25,4)	F4820B	288	A
COMPASS	SX2	25		F4820B	289	A
COMPASS	SX3	4		F4820B	290	A
COMPASS	RJ	PACK0		F4820B	291	A
COMPASS	SA1	OPADS+1	CALL BINOUT(OPADS+1,16,0,0)	F4820B	292	A
COMPASS	SX2	16		F4820B	293	A
COMPASS	SX3	B0		F4820B	294	A
COMPASS	SX4	B0		F4820B	295	A
COMPASS	RJ	BINOUT		F4820B	296	A
COMPASS	RJ	DWORD		F4820B	297	A
COMPASS	RJ	LISTERG	LIST LINE	F4820B	298	A
COMPASS	SX1	16	CALL UPPOS(16)	F4820B	299	A
COMPASS	RJ	UPPOS		F4820B	300	A
COMPASS	SA1	OPADS+2	CALL PACK0(OPADS+2,25,4)	F4820B	301	A
COMPASS	SX2	25		F4820B	302	A
COMPASS	SX3	4		F4820B	303	A
COMPASS	RJ	PACK0		F4820B	304	A
COMPASS	SA1	OPADS+2	CALL BINOUT(OPADS+2,16,0,0)	F4820B	305	A
COMPASS	SX2	16		F4820B	306	A
COMPASS	SX3	B0		F4820B	307	A
COMPASS	SX4	B0		F4820B	308	A
COMPASS	RJ	BINOUT		F4820B	309	A
COMPASS	RJ	DWORD		F4820B	310	A
COMPASS	RJ	LISTERG		F4820B	311	A
COMPASS	SX1	16	CALL UPPOS(16)	F4820B	312	A
COMPASS	RJ	UPPOS		F4820B	313	A
COMPASS	SA1	OPADS+3	CALL PACK0(OPADS+3,25,4)	F4820B	314	A
COMPASS	SX2	25		F4820B	315	A
COMPASS	SX3	4		F4820B	316	A
COMPASS	RJ	PACK0		F4820B	317	A
COMPASS	SA1	OPADS+3	CALL BINOUT(OPADS+3,16,0,0)	F4820B	318	A
COMPASS	SX2	16		F4820B	319	A
COMPASS	SX3	B0		F4820B	320	A
COMPASS	SX4	B0		F4820B	321	A
COMPASS	RJ	BINOUT		F4820B	322	A
COMPASS	JP	ZLISTG	RETURN	F4820B	323	A
COMPASS				F4820B	324	A
COMPASS				F4820B	325	A
COMPASS	**	16 - 4 BIT ADDRESS AND 15-4 BIT FLAG (SCM)		F4820B	326	A
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[illegible]

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	*	BITS 53-36 = INSTRUCTION LENGTH IN BITS MINUS 16.			F4820B	377	A	
1	COMPASS	*	BITS 35-18 = WIDTH OF FIRST ADDRESS FIELD.			F4820B	378	A	1
2	COMPASS	*	BITS 18-00 = ADDRESS OF NAD INSTRUCTION CREAKER.			F4820B	379	A	2
3	COMPASS	*				F4820B	380	A	3
4	COMPASS		LOC	0		F4820B	381	A	5
5	COMPASS					F4820B	382	A	6
6	COMPASS		VFD	24/,18/4,18/ZBC1		F4820	404	A	7
7	COMPASS		VFD	24/,18/4,18/ZBC5		F4820	405	A	9
8	COMPASS		VFD	24/,18/4,18/ZBC6		F4820	406	A	10
9	COMPASS		VFD	24/,18/8,18/ZBC7		F4820	407	A	12
10	COMPASS					F4820	408	A	13
11	COMPASS		VFD	24/,18/16,18/ZBC8		F4820	409	A	14
12	COMPASS		VFD	24/,18/4,18/ZBC9		F4820	410	A	15
13	COMPASS		VFD	1/1,23/,18/8,18/ZBC10		F4820	411	A	17
14	COMPASS		VFD	1/1,23/,18/4,18/ZBC12		F4820	412	A	18
15	COMPASS					F4820B	383	A	19
16	COMPASS		VFD	4/0,20/0/,18/1,18/ZBC8.0		F4820B	384	A	21
17	COMPASS		VFD	4/0,20/0/,18/16,18/ZBC9.0		F4820B	385	A	22
18	COMPASS		VFD	4/0,20/0/,18/12,18/ZBC10.0		F4820B	386	A	23
19	COMPASS		VFD	4/16B,20/48,18/16,18/ZBC11.0		F4820B	387	A	25
20	COMPASS					F4820B	388	A	26
21	COMPASS		VFD	4/17B,20/32,18/16,18/ZBC12.0		F4820B	389	A	28
22	COMPASS		VFD	4/0,20/0/,18/16,18/ZBC13.0		F4820B	390	A	29
23	COMPASS		VFD	4/0,20/16,18/16,18/ZBC14.0		F4820B	391	A	30
24	COMPASS		VFD	4/14B,20/48,18/16,18/ZBC15.0		F4820B	392	A	31
25	COMPASS		VFD	1/1,23/,18/4,18/ZBC16.0		F4820B	393	A	33
26	COMPASS		VFD	4/0,20/16,18/16,18/ZBC17.0		F4820B	394	A	34
27	COMPASS					F4820B	395	A	35
28	COMPASS	ZBCAL	BSS	0		F4820B	396	A	37
29	COMPASS		LOC	*0		F4820B	397	A	38
30	COMPASS	ZMC	SPACE	4,30		F4820	413	A	39
31	COMPASS	**	MCU INSTRUCTIONS.			F4820	414	A	41
32	COMPASS					F4820	415	A	42
33	COMPASS					F4820	416	A	43
34	COMPASS	ZMC	SX1	8	PROCESS LOCATION FIELD	F4820	417	A	45
35	COMPASS		RJ	ZPRLOC		F4820	418	A	46
36	COMPASS		SA1	OPTYPE		F4820	419	A	47
37	COMPASS		MX0	-8	ISOLATE 8-BIT OP CODE	F4820	420	A	49
38	COMPASS		BX7	-X0*X1		F4820	421	A	50
39	COMPASS		AX1	27	EXTRACT CONTROL DIGIT	F4820	422	A	51
40	COMPASS		MX0	-3		F4820	423	A	53
41	COMPASS		SA7	OPVAL		F4820	424	A	54
42	COMPASS		BX6	-X0*X1		F4820	425	A	55
43	COMPASS		SA1	ZMCA+X6	EXTRACT FIELD WIDTH	F4820	426	A	57
44	COMPASS		BX6	X1		F4820	427	A	58
45	COMPASS		SA6	OPADS	TYPE FLAG	F4820	428	A	59
46	COMPASS		AX1	48		F4820	429	A	61
47	COMPASS		ZR	X1,ZMC1	IF NO ADDRESS FIELD	F4820	430	A	62
48	COMPASS		RJ	SCAD	SCAN ADDRESS FIELD	F4820	431	A	63
49	COMPASS	ZMC1	SX1	8	CALL UPPOS(8)	F4820	432	A	65
50	COMPASS		RJ	UPPOS		F4820	433	A	66
51	COMPASS		SA1	OPVAL	CALL PACK0(OPVAL,23,2)	F4820	434	A	67

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SX2	23		F4820	435	A
COMPASS	SX3	2		F4820	436	A
COMPASS	RJ	PACK0		F4820	437	A
COMPASS	SA1	OPVAL	CALL BINOUT(OPVAL,8,0,0)	F4820	438	A
COMPASS	SX2	8		F4820	439	A
COMPASS	SX3	B0		F4820	440	A
COMPASS	SX4	B0		F4820	441	A
COMPASS	RJ	BINOUT		F4820	442	A
COMPASS	SA1	OPADS	CHECK TYPE	F4820	443	A
COMPASS	SA2	EXVAL	(X2) = ADDRESS VALUE	F4820	444	A
COMPASS	MX0	-8	(X0) = FIELD WIDTH	F4820	445	A
COMPASS	SB7	X1		F4820	446	A
COMPASS	JP	B7		F4820	447	A
COMPASS				F4820	448	A
COMPASS				F4820	449	A
COMPASS	**	0	NO ADDRESS FIELD.	F4820	450	A
COMPASS				F4820	451	A
COMPASS	ZMC2	EQU	ZLISTG RETURN	F4820	452	A
COMPASS				F4820	453	A
COMPASS				F4820	454	A
COMPASS	**	1	8-BIT ADDRESS FIELD.	F4820	455	A
COMPASS				F4820	456	A
COMPASS	ZMC3	BX7	X0*X2 CHECK FOR EXCESS	F4820	457	A
COMPASS		ZR	X7,ZMC5 IF NOT OVER FIELD WIDTH	F4820	458	A
COMPASS		BX7	-X0*X2	F4820	459	A
COMPASS		ZR	X7,ZMC5 IF NEGATIVE NUMBER WITHIN FIELD	F4820	460	A
COMPASS				F4820	461	A
COMPASS				F4820	462	A
COMPASS	**		PROCESS *A* ERROR.	F4820	463	A
COMPASS				F4820	464	A
COMPASS	ZMC4	SX6	B1 SET *A* ERROR	F4820	465	A
COMPASS		SA6	AERR	F4820	466	A
COMPASS		SA6	EFLG	F4820	467	A
COMPASS				F4820	468	A
COMPASS				F4820	469	A
COMPASS	**		FORM ADDRESS FIELD.	F4820	470	A
COMPASS				F4820	471	A
COMPASS	ZMC5	BX6	-X0*X2 TRUNCATE ADDRESS	F4820	472	A
COMPASS		SA6	OPVAL	F4820	473	A
COMPASS		RJ	DWORD DUMP THIS WORD	F4820	474	A
COMPASS		SX1	8 CALL UPPOS(8)	F4820	475	A
COMPASS		RJ	UPPOS	F4820	476	A
COMPASS		SA3	OPADS CALL PACK0(OPVAL,24+FW/4,FW/4)	F4820	477	A
COMPASS		SA1	OPVAL	F4820	478	A
COMPASS		AX3	20	F4820	479	A
COMPASS		SX2	X3+24	F4820	480	A
COMPASS		RJ	PACK0	F4820	481	A
COMPASS		SA1	OPADS	F4820	482	A
COMPASS		LX1	59-22	F4820	483	A
COMPASS		PL	X1,ZMC6 IF 8-BIT FIELD	F4820	484	A
COMPASS		SA1	OPVAL CALL BINOUT(HIBITS,8,0,0)	F4820	485	A
COMPASS		SX2	8	F4820	486	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS		MX3	0		F4820	487	A	
1	COMPASS		BX4	X4-X4		F4820	488	A	1
2	COMPASS		AX1	8		F4820	489	A	2
3	COMPASS		RJ	BINOUT		F4820	490	A	3
4	COMPASS		RJ	DWORD		F4820	491	A	5
5	COMPASS		SX1	8		F4820	492	A	6
6	COMPASS		RJ	UPPOS	CALL UPPOS(8)	F4820	493	A	8
7	COMPASS	ZMC6	SA1	OPVAL	CALL BINOUT(LOBITS,8,0,0)	F4820	494	A	9
8	COMPASS		SX2	8		F4820	495	A	10
9	COMPASS		MX3	0		F4820	496	A	11
10	COMPASS		BX4	X4-X4		F4820	497	A	13
11	COMPASS		RJ	BINOUT		F4820	498	A	14
12	COMPASS		JP	ZLISTG	RETURN	F4820	499	A	15
13	COMPASS					F4820	500	A	17
14	COMPASS					F4820	501	A	18
15	COMPASS	**	2 - 16-BIT ADDRESS FIELD.			F4820	502	A	19
16	COMPASS					F4820	503	A	21
17	COMPASS					F4820	504	A	22
18	COMPASS	ZMC7	MX0	16		F4820	505	I	23
19		-F4820A							25
20	COMPASS		JP	ZMC3		F4820	506	I	26
21		-F4820A							27
22	COMPASS	ZMC7	MX0	-16		F4820A	11	A	29
23	COMPASS		SA1	RMODE	CHECK FOR REVERSED ADDRESS	F4820A	12	A	30
24	COMPASS		ZR	X1,ZMC3	IF NORMAL ADDRESS MODE	F4820A	13	A	31
25	COMPASS					F4820A	14	A	33
26	COMPASS		BX1	X2	CALL PACK0(VALUE,34,4)	F4820A	15	A	34
27	COMPASS		SX2	34		F4820A	16	A	35
28	COMPASS		SX3	4		F4820A	17	A	37
29	COMPASS		RJ	PACK0		F4820A	18	A	38
30	COMPASS		SX6	1R(		F4820A	19	A	40
31	COMPASS		SA6	OCTAL+29		F4820A	20	A	41
32	COMPASS		SX6	1R)		F4820A	21	A	42
33	COMPASS		SA6	OCTAL+34		F4820A	22	A	44
34	COMPASS		SA2	EXVAL		F4820A	23	A	45
35	COMPASS		MX0	-16		F4820A	24	A	46
36	COMPASS		MX7	-8		F4820A	25	A	47
37	COMPASS		BX1	-X7*X2	LSB	F4820A	26	A	49
38	COMPASS		AX2	8		F4820A	27	A	50
39	COMPASS		LX1	8		F4820A	28	A	51
40	COMPASS		BX7	-X7*X2	MSB	F4820A	29	A	53
41	COMPASS		LX2	8		F4820A	30	A	54
42	COMPASS		BX2	X0*X2	MERGE AFTER SWAPPING BYTES	F4820A	31	A	55
43	COMPASS		BX2	X2+X7		F4820A	32	A	57
44	COMPASS		BX2	X2+X1		F4820A	33	A	58
45	COMPASS		JP	ZMC5		F4820A	34	A	59
46	COMPASS					F4820	507	A	61
47	COMPASS	**	3 - 8-BIT RELATIVE ADDRESS.			F4820	508	A	62
48	COMPASS					F4820	509	A	63
49	COMPASS	ZMC8	BX1	X2	CALL PACK0(VALUE,30,4)	F4820	510	A	65
50	COMPASS		SX2	34		F4820	511	A	66
51	COMPASS		SX3	4		F4820	512	A	67

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	RJ	PACK0		F4820	513	A	
1	COMPASS	SX6	1R(		F4820	514	A	1
2	COMPASS	SA6	OCTAL+29		F4820	515	A	2
3	COMPASS	SX6	1R)		F4820	516	A	3
4	COMPASS	SA6	OCTAL+34		F4820	517	A	4
5	COMPASS	SA2	EXVAL		F4820	518	A	5
6	COMPASS	SA4	LOCCTR		F4820	519	A	6
7	COMPASS	SX6	B1+B1		F4820	520	A	7
8	COMPASS	IX4	X4+X6		F4820	521	A	8
9	COMPASS	IX2	X2-X4		F4820	522	A	9
10	COMPASS	MX0	-7		F4820	523	A	10
11	COMPASS	PL	X2,ZMC3	IF JUMP FORWARD	F4820	524	A	11
12	COMPASS	SX7	B1	CHANGE TO TWO COMPLEMENT NUMBER	F4820	525	A	12
13	COMPASS	MX1	1		F4820	526	A	13
14	COMPASS	BX2	-X1*X2		F4820	527	A	14
15	COMPASS	IX2	X2+X7		F4820	528	A	15
16	COMPASS	BX4	-X0+X1		F4820	529	A	16
17	COMPASS	BX6	X4+X2		F4820	530	A	17
18	COMPASS	MX0	-8		F4820	531	A	18
19	COMPASS	ZR	X6,ZMC5	IF NO OVERFLOW	F4820	532	A	19
20	COMPASS	JP	ZMC4		F4820	533	A	20
21	COMPASS				F4820	534	A	21
22	COMPASS	ZMCA	BSS	0	F4820	535	A	22
23	COMPASS		VFD	12/0,30/0,18/ZMC2	F4820	536	A	23
24	COMPASS		VFD	12/8,30/8,18/ZMC3	F4820	537	A	24
25	COMPASS		VFD	12/16,30/16,18/ZMC7	F4820	538	A	25
26	COMPASS		VFD	12/16,30/8,18/ZMC8	F4820	539	A	26
27	COMPASS	AMACALL	EJECT		COMPASS	6064	I	27
28		-CPSA097						28
29	COMPASS	AMACALL	EJECT	4	CPSA097	CPSA097	13	29
30	COMPASS	**	MACRO	CALL.	COMPASS	6065	A	30
31	COMPASS				COMPASS	6066	A	31
32	COMPASS				COMPASS	6067	A	32
33	COMPASS	ZMACALL	SA1	OPTYPE	COMPASS	6068	A	33
34	COMPASS		SA2	LOCSYM	COMPASS	6069	A	34
35	COMPASS		LX1	2	COMPASS	6070	A	35
36	COMPASS		NG	X1,ZMCL1	COMPASS	6071	I	36
37		-CMP029						37
38	COMPASS		MI	X1,ZMCL1	CMP029	17	A	38
39	COMPASS		MX1	0	COMPASS	6072	A	39
40	COMPASS		ZR	X2,ZMCL1	COMPASS	6073	A	40
41	COMPASS		RJ	ZPRLOC	COMPASS	6074	A	41
42	COMPASS		SA1	EFLG	COMPASS	6075	I	42
43		-CMP029						43
44	COMPASS		ZR	X1,ZMCL2	COMPASS	6076	I	44
45		-CMP029		IF NO ERROR				45
46	COMPASS		EQ	ZLIST	COMPASS	6077	I	46
47		-CMP029						47
48	COMPASS		EQ	ZMCL2	CMP029	18	A	48
49	COMPASS	ZMCL1	SA1	LWORD	COMPASS	6078	A	49
50	COMPASS		SA2	POSCTR	COMPASS	6079	A	50
51	COMPASS		BX3	X1-X2	COMPASS	6080	A	51

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	NZ	X3,ZMCL2	IF POS " LWORD	COMPASS	6081	A
COMPASS	RJ	LLA		COMPASS	6082	A
COMPASS	SA1	NLFLG	SET DEFERRED LIST FLAG	COMPASS	6083	I
COMPASS	SA1	EFLG	LIST IF ERROR	CMP029	19	A
COMPASS	NZ	X1,ZLIST		CMP029	20	A
COMPASS	SA1	NLFLG	SET DEFERRED LIST FLAG	CMP029	21	A
COMPASS	SA2	DLFLG		COMPASS	6084	A
COMPASS	SA3	LG+1		CMP051	1	A
COMPASS	SX6	B1		COMPASS	6085	A
COMPASS	NZ	X3,ZLIST	IF LIST G ON	CMP051	2	A
COMPASS	BX6	X1-X6		COMPASS	6086	A
COMPASS	BX6	X6+X2		COMPASS	6087	A
COMPASS	SA6	A2		COMPASS	6088	A
COMPASS	EQ	Z100		COMPASS	6089	A
COMPASS	ZLLA	SPACE 4		COMPASS	6090	A
COMPASS	**	ZLLA - LIST LOCATION ADDRESS.		COMPASS	6091	A
COMPASS				COMPASS	6092	A
COMPASS				COMPASS	6093	A
COMPASS	ZLLA	RJ	LLA	COMPASS	6094	A
COMPASS	ZLIST	SPACE 4		COMPASS	6095	A
COMPASS	**	ZLIST - LIST CURRENT LINE.		COMPASS	6096	A
COMPASS				COMPASS	6097	A
COMPASS				COMPASS	6098	A
COMPASS	ZLIST	SA2	EFLG	COMPASS	6099	A
COMPASS	ZR	X2,ZLST1	IF NO ERROR	COMPASS	6100	A
COMPASS	RJ	LDL	LIST DEFERRED LINE	COMPASS	6101	A
COMPASS	ZLST1	RJ	LISTER	COMPASS	6102	A
COMPASS	EQ	Z100		COMPASS	6103	A
COMPASS	ABS	TITLE	PSEUDO-OP PROCESSING.	COMPASS	6104	A
COMPASS	***	ABS - ABSOLUTE ASSEMBLY.		COMPASS	6105	A
COMPASS	*			COMPASS	6106	A
COMPASS	*			COMPASS	6107	A
COMPASS	*	ABS		COMPASS	6108	A
COMPASS	*	ABS DECLARES THE PROGRAM TO BE ABSOLUTE. IF USED, IT MUST		COMPASS	6109	A
COMPASS	*	APPEAR AT THE BEGINNING OF THE ASSEMBLY. IN ABSOLUTE		COMPASS	6110	A
COMPASS	*	ASSEMBLIES, THE FOLLOWING ARE ILLEGAL.		COMPASS	6111	A
COMPASS	*	EXT		COMPASS	6112	A
COMPASS	*	LCC		COMPASS	6113	A
COMPASS	*	REP		COMPASS	6114	A
COMPASS	*	REPC		CMP30	2418	A
COMPASS	*	REPI		COMPASS	6115	A
COMPASS				COMPASS	6116	A
COMPASS				COMPASS	6117	A
COMPASS	USE	PSEUDO		COMPASS	6118	A
COMPASS	SEG	PSEUDO-OP PROCESSING.		COMPASS	6119	I
COMPASS	-CMP30					
COMPASS	SEG	PSEUDO-OP PROCESSING (A-E).		CMP30	2419	A
COMPASS	QUAL	PASS1		COMPASS	6120	A
COMPASS	ABS	SX6	B1	COMPASS	6121	A
COMPASS	SA6	ABSFG	SET ABSOLUTE ASSEMBLY FLAG	COMPASS	6122	A
COMPASS	MX6	0		COMPASS	6123	A
0	1	2	3	4	5	6
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS		SA6	ORGCTR+1	AND RELOCATION FOR COUNTERS	COMPASS	6124	A	
1	COMPASS		SA6	LOCCTR+1		COMPASS	6125	A	1
2	COMPASS		EQ	CTL300	RETURN	COMPASS	6126	A	2
3	COMPASS	ABS	SPACE	4		COMPASS	6127	A	3
4	COMPASS	**	ABS	- ABSOLUTE ASSEMBLY.		COMPASS	6128	A	4
5	COMPASS					COMPASS	6129	A	5
6	COMPASS					COMPASS	6130	A	6
7	COMPASS		QUAL	PASS2		COMPASS	6131	A	7
8	COMPASS	ABS	EQU	ZLIST		COMPASS	6132	A	8
9	COMPASS	BASE	SPACE	4		COMPASS	6133	A	9
10	COMPASS	***	BASE	- NUMERIC DATA MODE.		COMPASS	6134	A	10
11	COMPASS	*				COMPASS	6135	A	11
12	COMPASS	*				COMPASS	6136	A	12
13	COMPASS	*MNAME	BASE	CHAR		COMPASS	6137	A	13
14	COMPASS	*	(CHAR)	= 0 SET OCTAL BASE.		COMPASS	6138	A	14
15	COMPASS	*		D SET DECIMAL BASE.		COMPASS	6139	A	15
16	COMPASS	*		M SET MIXED BASE.		COMPASS	6140	A	16
17	COMPASS	*		* SET PREVIOUS BASE.		COMPASS	6141	A	17
18	COMPASS	*		BLANK LEAVE BASE UNCHANGED.		COMPASS	6142	A	18
19	COMPASS	*	IF (MNAME)	IS PRESENT, SAVE THE CURRENT BASE IN MICRO MNAME.		COMPASS	6143	A	19
20	COMPASS					COMPASS	6144	A	20
21	COMPASS					COMPASS	6145	A	21
22	COMPASS		QUAL	PASS1		COMPASS	6146	A	22
23	COMPASS	BASE	SA2	LOCSYM		COMPASS	6147	A	23
24	COMPASS		SA1	ABASE		COMPASS	6148	I	24
25		-CMP30							25
26	COMPASS		BX6	X1		COMPASS	6149	I	26
27		-CMP18	-CMP30						27
28	COMPASS		LX6	54		COMPASS	6150	I	28
29		-CMP18	-CMP30						29
30	COMPASS		SA6	RELVEC+1		COMPASS	6151	I	30
31		-CMP18	-CMP30						31
32	COMPASS		ZR	X2,BASE1	IF BASE NOT SAVED	COMPASS	6152	I	32
33		-CMP30							33
34	COMPASS		SX7	B1		CMP18	21	I	34
35		-CMP30							35
36	COMPASS		LX1	54		CMP18	22	I	36
37		-CMP30							37
38	COMPASS		SX6	B1+B1		COMPASS	6153	I	38
39		-CMP30							39
40	COMPASS		BX7	X1+X7		CMP18	23	I	40
41		-CMP30							41
42	COMPASS		ZR	X2,BASE1	IF NO MICRO NAME	CMP30	2420	A	42
43	COMPASS		SA1	BASEMIC		CMP30	2421	A	43
44	COMPASS		SX6	B1+B1		CMP30	2422	A	44
45	COMPASS		BX7	X1		CMP30	2423	A	45
46	COMPASS		SA7	RELVEC		CMP18	24	A	46
47	COMPASS		RJ	EMT	ENTER MICRO TABLE	COMPASS	6154	A	47
48	COMPASS	BASE1	SA1	ABASE	SAVE CURRENT BASE	COMPASS	6155	I	48
49		-CMP30							49
50	COMPASS		SA2	MBASE		COMPASS	6156	I	50
51		-CMP30							51
52									52
53		0	1	2	3	4	5	6	53
54		1234567890123456789012345678901234567890123456789012345678901234567890							54

LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	SA3	NBASE		COMPASS	6157	I
1	-CMP30						
2	COMPASS	LX1	36		COMPASS	6158	I
3	-CMP30						
4	COMPASS	LX2	18		COMPASS	6159	I
5	-CMP30						
6	COMPASS	BX6	X1+X2		COMPASS	6160	I
7	-CMP30						
8	COMPASS	BX6	X6+X3		COMPASS	6161	I
9	-CMP30						
10	COMPASS	SA6	P1TEMP		COMPASS	6162	I
11	-CMP30						
12	COMPASS	SA1	CHAR	CHECK ADDRESS FIELD	COMPASS	6163	I
13	-CMP30						
14	COMPASS	SB6	X1-1R		COMPASS	6164	I
15	-CMP30						
16	COMPASS	NZ	B6,BASE2	IF BASE CHANGE	COMPASS	6165	I
17	-CMP30						
18	COMPASS	SA1	ABASE		COMPASS	6166	I
19	-CMP30						
20	COMPASS	BASE2	SX6	8	COMPASS	6167	I
21	-CMP30						
22	COMPASS	SX7	8		COMPASS	6168	I
23	-CMP30						
24	COMPASS	SB7	X1-1R0		COMPASS	6169	I
25	-CMP30						
26	COMPASS	ZR	B7,BAS1	IF OCTAL BASE	COMPASS	6170	I
27	-CMP30						
28	COMPASS	SB7	X1-1RM		COMPASS	6171	I
29	-CMP30						
30	COMPASS	SX6	10		COMPASS	6172	I
31	-CMP30						
32	COMPASS	ZR	B7,BAS1	IF MIXED BASE	COMPASS	6173	I
33	-CMP30						
34	COMPASS	SB7	X1-1RD		COMPASS	6174	I
35	-CMP30						
36	COMPASS	SX7	X6		COMPASS	6175	I
37	-CMP30						
38	COMPASS	ZR	B7,BAS1	IF DECIMAL BASE	COMPASS	6176	I
39	-CMP30						
40	COMPASS	SB6	X1-1R*		COMPASS	6177	I
41	-CMP30						
42	COMPASS	ZR	B6,BAS2	IF *	COMPASS	6178	I
43	-CMP30						
44	COMPASS	SX6	B1	SET *A* ERROR	COMPASS	6179	I
45	-CMP30						
46	COMPASS	SA6	AERR		COMPASS	6180	I
47	-CMP30						
48	COMPASS	SA6	EFLG		COMPASS	6181	I
49	-CMP30						
50	COMPASS	BAS2	SA2	0.BSTACK UNSTACK LAST BASE	COMPASS	6182	I
51	-CMP30						
52							
53	0	1	2	3	4	5	6
54	1234567890123456789012345678901234567890123456789012345678901234567890						
55							
56							
57							
58							
59							
60							



ZR      B6,CTL70      IF \* OR BLANK

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP30

1	COMPASS		SA7	A6-B1		COMPASS	6235	I	
2		-CMP30							
3	COMPASS		SA6	A7-B1		COMPASS	6236	I	
4		-CMP30							
5	COMPASS	BASE	SA1	ABASE		CMP30	2431	A	
6	COMPASS		SA2	CBCA+X1	GET CURRENT BASE	CMP30	2432	A	
7	COMPASS		UX3,B7	X2		CMP30	2433	A	
8	COMPASS		SX6	-B7		CMP30	2434	A	
9	COMPASS		SX7	CONCAT		CMP30	2435	A	
10	COMPASS		SA6	OCTAL+33	STORE IN LISTING LINE	CMP30	2436	A	
11	COMPASS		SA7	A6+B1		CMP30	2437	A	
12	COMPASS		SA6	A7+B1		CMP30	2438	A	
13	COMPASS		SA1	CHAR		CMP30	2439	A	
14	COMPASS		RJ	CBC	CHECK BASE CHARACTER	CMP30	2440	A	
15	COMPASS		MI	X6,ZLIST	IF ERROR	CMP30	2441	A	
16	COMPASS		BX6	X1		CMP30	2442	A	
17	COMPASS		SA6	OCTAL+35	STORE NEW LETTER	CMP30	2443	A	
18	COMPASS		EQ	ZLIST	AND GO LIST	COMPASS	6237	A	
19	COMPASS	BCU	SPACE	4		F4820	540	A	
20	COMPASS	***	BCU	- BUFFER CONTROLLER UNIT ASSEMBLY.			F4820	541	A
21	COMPASS	*				F4820	542	A	
22	COMPASS	*				F4820	543	A	
23	COMPASS	*	BCU			F4820	544	A	
24	COMPASS	*	BCU DECLARES THE PROGRAM TO BE A BUFFER CONTROLLER				F4820	545	A
25	COMPASS	*	ASSEMBLY AND ABSOLUTE. THE RULES STATED UNDER ABS APPLY.				F4820	546	A
26	COMPASS					F4820	547	A	
27	COMPASS					F4820	548	A	
28	COMPASS		QUAL	PASS1		F4820	549	A	
29	COMPASS	BCU	SX6	-B1	SET FLAG FOR BCU ASSEMBLY	F4820	550	A	
30	COMPASS		SX7	B1+B1		CPSA233	4	A	
31	COMPASS		SA6	PPTYPE		F4820	551	A	
32	COMPASS		SA7	NCHARS		CPSA233	5	A	
33	COMPASS		SX6	B1	SET FLAGS FOR BCU ASSEMBLY	F4820	552	A	
34	COMPASS		SX7	16		F4820	553	A	
35	COMPASS	BCU.1	SA6	MACHINE		F4820	554	A	
36	COMPASS		SA7	LWORD	SET WORD LENGTH TO 16	F4820	555	A	
37	COMPASS		SA7	POSCTR	REVISE POSITION COUNTER TO 16	F4820	556	A	
38	COMPASS		SA3	/DATA/STCX	SET CHARACTER STORE FOR 8-BIT/NON-ASCII	CPSA293	67	A	
39	COMPASS		BX6	X3		CPSA293	68	A	
40	COMPASS		SA6	/DATA/STC0	*** SAFE CODE-MODIFICATION ***	CPSA293	69	A	
41	COMPASS		LX7	24	RESET BLOCK COUNTERS	F4820	557	A	
42	COMPASS		SA1	O.USETAB		F4820	558	A	
43	COMPASS		SA2	L.USETAB		F4820	559	A	
44	COMPASS	BCU1	SA7	X1+B1		F4820	560	A	
45	COMPASS		SX2	X2-6		F4820	561	I	
46		-CPSA195							
47	COMPASS		SX1	X1+6		F4820	562	I	
48		-CPSA195							
49	COMPASS		SX2	X2-4		CPSA195	5	A	
50	COMPASS		SX1	X1+4		CPSA195	6	A	
51	COMPASS		NZ	X2,BCU1	LOOP	F4820	563	A	

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12345678901	23456789012	34567890123	45678901234	56789012345	67890123456	78901234567	89012345678	90123456789

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SB6	X3-1			CMP30	2445	A	
COMPASS	SA4	X5+B6	FETCH MAX ORGCTR FOR BLOCK		CMP5A	12	A	
COMPASS	IX4	X2-X4			CMP5A	13	A	
COMPASS	PL	X3,CTL70	IF NOT LESS THAN NEW ORGCTR		CMP5A	14		I
-CMP27								
COMPASS	PL	X4,BSS1	IF NOT LESS THAN CURRENT ORGCTR		CMP27	8	A	
COMPASS	BX6	X2			CMP5A	15	A	
COMPASS	SA6	A3			CMP5A	16		I
-CMP27								
COMPASS	SA6	A4			CMP27	9	A	
COMPASS	BSS1	RJ	YUPL0C		CMP5A	17		I
-CPS062								
COMPASS	BSS1	BX6	X1	SAVE EXPRESSION VALUE FOR PASS 2	CPS062	5	A	
COMPASS	SA6	FLAG			CPS062	6	A	
COMPASS	RJ	YUPL0C	ADVANCE LOCATION COUNTERS		CPS062	7	A	
COMPASS	EQ	CTL70			CMP5	12	A	
COMPASS	BSS	SPACE	4		COMPASS	6250	A	
COMPASS	**	BSS	- STORAGE RESERVATION.		COMPASS	6251	A	
COMPASS					COMPASS	6252	A	
COMPASS					COMPASS	6253	A	
COMPASS	QUAL	PASS2			COMPASS	6254	A	
COMPASS	BSS	SA1	LWORD		COMPASS	6255	A	
COMPASS	RJ	ZPRLOC			COMPASS	6256	A	
COMPASS	SX6	3			COMPASS	6257	A	
COMPASS	SX1	21			COMPASS	6258		I
-CPS062								
COMPASS	SX1	60			CPS062	8	A	
COMPASS	RJ	SCADCON			COMPASS	6259	A	
COMPASS	SA1	AERR			COMPASS	6260	A	
COMPASS	SA2	UERR			COMPASS	6261	A	
COMPASS	IX3	X1+X2			COMPASS	6262	A	
COMPASS	SA4	EXVAL			CMP029	22		I
-CPS028								
COMPASS	NZ	X3,ZLIST	EXIT IF ANY ERRORS		COMPASS	6263	A	
COMPASS	SA1	FLAG			CPS062	9	A	
COMPASS	SA2	ORGCTR			CPS062	10	A	
COMPASS	IX3	X1+X2			CPS062	11	A	
COMPASS	AX3	21			CPS062	12	A	
COMPASS	NZ	X3,BSSZR	IF VALUE OUT OF RANGE		CPS062	13	A	
COMPASS	PL	X4,BSS5	IF NOT NEGATIVE BSS		CMP029	23		I
-CPS028								
COMPASS	RJ	DBSSZ	DUMP BSSZ CODING		CMP029	24		I
-CPS028								
COMPASS					COMPASS	6264	A	
COMPASS	*	ENTRY FROM BSSZ.			COMPASS	6265	A	
COMPASS					COMPASS	6266	A	
COMPASS	BSS5	SA1	EXVAL		COMPASS	6267		I
-CPS062								
COMPASS	SA2	IOP		S028 399	CPS028	297		I
-CPS062								
COMPASS	ZR	X1,ZLISTG	IF BSS 0		COMPASS	6268		I
-CPS062								
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA6	FLAG	SAVE VALUE FOR PASS 2	CPS062	29	A
COMPASS	IX4	X1+X2		CPS062	30	A
COMPASS	AX4	21		CPS062	31	A
COMPASS	NZ	X4,ERA	IF VALUE TOO LARGE	CPS062	32	A
COMPASS	RJ	YUPL0C		COMPASS	6290	A
COMPASS	EQ	CTL70		COMPASS	6291	A
COMPASS	BSSZ	SPACE	4	COMPASS	6292	A
COMPASS	**	BSSZ -	STORAGE RESERVATION.	COMPASS	6293	A
COMPASS				COMPASS	6294	A
COMPASS				COMPASS	6295	A
COMPASS	QUAL	PASS2		COMPASS	6296	A
COMPASS	BSSZ	SA1	LWORD	COMPASS	6297	A
COMPASS	RJ	ZPRLOC	PROCESS LOCATION	COMPASS	6298	A
COMPASS	SX6	3		COMPASS	6299	A
COMPASS	SX1	21		COMPASS	6300	I
-CPS062						
COMPASS	SX1	60		CPS062	33	A
COMPASS	RJ	SCADCON	GET VALUE	COMPASS	6301	A
COMPASS	SA3	UERR		COMPASS	6302	A
COMPASS	SA4	AERR		COMPASS	6303	A
COMPASS	BX1	X3+X4		COMPASS	6304	A
COMPASS	NZ	X1,ZLIST		COMPASS	6305	A
COMPASS	SA5	FLAG	USE PASS 1 VALUE	CPS062	34	A
COMPASS	SA2	EXVAL		COMPASS	6306	I
-CPS010						
COMPASS	ZR	X2,ZLIST	EXIT ON ZERO VALUE	COMPASS	6307	I
-CPS010						
COMPASS				COMPASS	6308	A
COMPASS	*	ENTRY FROM BLNKOP.		COMPASS	6309	A
COMPASS				COMPASS	6310	A
COMPASS	BSSZ5	SA1	ORGCTR	COMPASS	6311	A
COMPASS		SA5	EXVAL	COMPASS	6312	I
-CPS062						
COMPASS	SA3	MINORG		COMPASS	6313	A
COMPASS	IX0	X1+X5		COMPASS	6314	A
COMPASS	ZR	X5,ZLISTG	IF BSSZ 0	CPS010	36	A
COMPASS	IX6	X1-X3	ORGCTR-MINORG (MUST BE +)	COMPASS	6315	A
COMPASS	SA2	MAXORG		COMPASS	6316	A
COMPASS	IX7	X2-X0	MAXORG-(ORGCTR+EXVAL) (MUST BE + )	COMPASS	6317	A
COMPASS	BX6	X6+X7		COMPASS	6318	A
COMPASS	SA2	ABSFG		COMPASS	6319	A
COMPASS	ZR	X2,ZBSSZ6		COMPASS	6320	A
COMPASS	SA2	ORGBASE		COMPASS	6321	A
COMPASS	SA3	LPGM		COMPASS	6322	A
COMPASS	IX4	X1-X2		COMPASS	6323	A
COMPASS	IX2	X3-X0		COMPASS	6324	A
COMPASS	BX7	X4+X2		COMPASS	6325	A
COMPASS	BX6	X6+X7		COMPASS	6326	A
COMPASS	ZBSSZ6	BX6	X6+X5	COMPASS	6327	A
			DEMAND ADDRESS POSITIVE ALSO			
COMPASS	NG	X6,BSSZR	IF OUT OF RANGE	COMPASS	6328	A
COMPASS	SA2	A1+B1	CHECK ORGCTR+1	COMPASS	6329	A
COMPASS	SX4	X2-400B		COMPASS	6330	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	NG	X4,BSSZ1	JUMP IF NOT NEGATIVE	COMPASS	6331	A
COMPASS	BSSZR	SX6	B1	COMPASS	6332	A
COMPASS		SA6	EFLG	COMPASS	6333	A
COMPASS		SA6	RERR RANGE ERROR	COMPASS	6334	A
COMPASS		EQ	BSS5	COMPASS	6335	A
COMPASS	BSSZ1	SA2	CNTBSSZ	COMPASS	6336	A
COMPASS		SA3	ORGBSSZ	COMPASS	6337	A
COMPASS		ZR	X2,BSSZ3	COMPASS	6338	A
COMPASS		IX4	X3+X2	COMPASS	6339	A
COMPASS		IX5	X1-X4	COMPASS	6340	A
COMPASS		NZ	X5,BSSZ2 ORGBSSZ+CNTBSSZ NE ORGCTR	COMPASS	6341	A
COMPASS		SA3	A3+B1 ORGBSSZ(2)	COMPASS	6342	A
COMPASS		SA4	A1+B1 ORGCTR(2)	COMPASS	6343	A
COMPASS		SA1	CLF CONDITIONAL LOAD FLAG	CMP30	2446	A
COMPASS		BX4	X1+X4	CMP30	2447	A
COMPASS		IX5	X3-X4	COMPASS	6344	A
COMPASS		ZR	X5,BSSZ4 ALL EQUAL	COMPASS	6345	A
COMPASS	BSSZ2	RJ	DBSSZ	COMPASS	6346	A
COMPASS	BSSZ3	SA4	ORGCTR	COMPASS	6347	A
COMPASS		SA5	EXVAL	COMPASS	6348	I
-CPS062						
COMPASS		SA5	FLAG	CPS062	35	A
COMPASS		BX6	X4	COMPASS	6349	A
COMPASS		SA2	CLF	CMP30	2448	A
COMPASS		SA3	A4+B1	COMPASS	6350	A
COMPASS		SA6	ORGBSSZ RESET BSSZ ORG TO ORGCTR	COMPASS	6351	A
COMPASS		BX7	X3	COMPASS	6352	I
-CMP30						
COMPASS		BX7	X2+X3	CMP30	2449	A
COMPASS		SA7	A6+B1 RESET BSSZ RELOC TO CURRENT	COMPASS	6353	A
COMPASS		BX6	X5	COMPASS	6354	A
COMPASS		SA6	CNTBSSZ RESET BSSZ COUNT TO EXVAL	COMPASS	6355	A
COMPASS		EQ	BSS5	COMPASS	6356	A
COMPASS	BSSZ4	SA1	EXVAL	COMPASS	6357	I
-CPS062						
COMPASS	BSSZ4	SA1	FLAG	CPS062	36	A
COMPASS		IX6	X1+X2 EXVAL+CNTBSSZ IS NEW COUNT	COMPASS	6358	A
COMPASS		SA6	A2 RESET CNTBSSZ	COMPASS	6359	A
COMPASS		EQ	BSS5 GO UP LOCATION COUNTER	COMPASS	6360	A
COMPASS	B1=1	SPACE	4	COMPASS	6361	A
COMPASS	***	B1=1	- DECLARE THAT (B1) CONTAINS A 1.	COMPASS	6362	A
COMPASS	*			COMPASS	6363	A
COMPASS	*			COMPASS	6364	A
COMPASS	*	B1=1		COMPASS	6365	A
COMPASS	*	USED	IN CONJUNCTION WITH THE (R=) PSEUDO. THIS DECLARES	COMPASS	6366	A
COMPASS	*	THAT	(B1) IS 1, AND DEFINES THE SYMBOL B1=1.	COMPASS	6367	A
COMPASS				COMPASS	6368	A
COMPASS				COMPASS	6369	A
COMPASS		QUAL	PASS1	COMPASS	6370	A
COMPASS	B1=1.	SX6	REQA-1 SET FULL SCAN FOR R= PSEUDO	COMPASS	6371	A
COMPASS		SA6	REQC	COMPASS	6372	A
COMPASS	BEQ1	SA1	IOP DEFINE *B1=1*	COMPASS	6373	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS		MX2	0		COMPASS	6374	A
COMPASS		BX3	X3-X3		COMPASS	6375	A
COMPASS		SX4	B0		COMPASS	6376	A
COMPASS		IX5	X5-X5		COMPASS	6377	A
COMPASS		RJ	YDEFSYM		COMPASS	6378	A
COMPASS		EQ	CTL300	RETURN	COMPASS	6379	A
COMPASS	B1=1	SPACE	4		COMPASS	6380	A
COMPASS	**	B1=1	- DECLARE THAT (B1) CONTAINS A 1.		COMPASS	6381	A
COMPASS					COMPASS	6382	A
COMPASS					COMPASS	6383	A
COMPASS		QUAL	PASS2		COMPASS	6384	A
COMPASS	.B1=1	EQU	ZLIST		COMPASS	6385	A
COMPASS	B7=1	SPACE	4		COMPASS	6386	A
COMPASS	***	B7=1	- DECLARE THAT (B7) CONTAINS A 1.		COMPASS	6387	A
COMPASS	*				COMPASS	6388	A
COMPASS	*				COMPASS	6389	A
COMPASS	*	B7=1			COMPASS	6390	A
COMPASS	*	USED IN CONJUNCTION WITH THE (R=) PSEUDO. THIS DECLARES			COMPASS	6391	A
COMPASS	*	THAT (B7) IS 1, AND DEFINES THE SYMBOL B7=1.			COMPASS	6392	A
COMPASS					COMPASS	6393	A
COMPASS					COMPASS	6394	A
COMPASS		QUAL	PASS1		COMPASS	6395	A
COMPASS	B7=1	SX6	REQD-1	SET FULL SCAN FOR R= PSEUDO	COMPASS	6396	A
COMPASS		SA6	REQC		COMPASS	6397	A
COMPASS		EQ	BEQ1		COMPASS	6398	A
COMPASS	B7=1	SPACE	4		COMPASS	6399	A
COMPASS	**	B7=1	- DECLARE THAT (B7) CONTAINS A 1.		COMPASS	6400	A
COMPASS					COMPASS	6401	A
COMPASS					COMPASS	6402	A
COMPASS		QUAL	PASS2		COMPASS	6403	A
COMPASS	B7=1	EQU	ZLIST		COMPASS	6404	A
COMPASS	CC	SPACE	4		CMP30	2450	A
COMPASS	***	CC - COMPARE COLLATED (CMU INSTRUCTION).			CMP30	2451	A
COMPASS	*				CMP30	2452	A
COMPASS	*				CMP30	2453	A
COMPASS	*	CC	L,KA,CA,KB,CB		CMP30	2454	A
COMPASS	*	(L) = DATA FIELD LENGTH IN CHARACTERS (@127).			CMP30	2455	A
COMPASS	*	(KA) = FIRST OPERAND FIELD FIRST WORD ADDRESS.			CMP30	2456	A
COMPASS	*	(CA) = FIRST OPERAND FIELD FIRST CHARACTER POSITION (0-9).			CMP30	2457	A
COMPASS	*	(KB) = SECOND OPERAND FIELD FIRST WORD ADDRESS.			CMP30	2458	A
COMPASS	*	(CB) = SECOND OPERAND FIELD FIRST CHARACTER POSITION (0-9).			CMP30	2459	A
COMPASS					CMP30	2460	A
COMPASS					CMP30	2461	A
COMPASS		QUAL	PASS1		CMP30	2462	A
COMPASS	CC	SA1	MACHINE	COMPLAIN IF PP ASSEMBLY	CMP30	2463	A
COMPASS		NZ	X1,CTLPPER		CMP30	2464	A
COMPASS		SA1	LWORD	PROCESS LOCATION FIELD	CMP30	2465	A
COMPASS		RJ	YPRLOC		CMP30	2466	A
COMPASS		SX6	5	SCAN UP TO FIVE ARGUMENTS	CMP30	2467	A
COMPASS		SA6	P1TEMP		CMP30	2468	A
COMPASS	CC1	SX1	18	SCAN ARGUMENT	CMP30	2469	A
COMPASS		RJ	SCAD		CMP30	2470	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA1	P1TEMP			CMP30	2471	A
COMPASS	SA2	EXSTOP			CMP30	2472	A
COMPASS	SX6	X1-1			CMP30	2473	A
COMPASS	ZR	X2,CC2	IF END OF ARGUMENTS		CMP30	2474	A
COMPASS	SA6	A1			CMP30	2475	A
COMPASS	NZ	X6,CC1	IF NOT 5 SCANNED YET		CMP30	2476	A
COMPASS	CC2	SX1	B1		CMP30	2477	A
COMPASS	RJ	YUPLC	BUMP LOCATION COUNTER		CMP30	2478	A
COMPASS	EQ	CTL65	RETURN		CMP30	2479	A
COMPASS	CC	SPACE	4		CMP30	2480	A
COMPASS	**	CC - COMPARE COLLATED (CMU INSTRUCTION).			CMP30	2481	A
COMPASS					CMP30	2482	A
COMPASS					CMP30	2483	A
COMPASS	QUAL	PASS2			CMP30	2484	A
COMPASS	CC	SX6	466B		CMP30	2485	A
COMPASS	CC1	LX6	3		CMP30	2486	A
COMPASS	SX7	7			CMP30	2487	A
COMPASS	NZ	X6,CC2	IF NOT *MD*		CMP30	2488	A
COMPASS	SX7	13			CMP30	2489	A
COMPASS	CC2	SA6	OPVAL	MACHINE OPCODE	CMP30	2490	A
COMPASS		SA7	OPADS	LENGTH OF LENGTH FIELD	CMP30	2491	A
COMPASS		SA1	LWORD		CMP30	2492	A
COMPASS		RJ	ZPRLOC	PROCESS LOCATION FIELD	CMP30	2493	A
COMPASS		SA1	OPADS		CMP30	2494	A
COMPASS		SX6	3		CMP30	2495	A
COMPASS		RJ	SCADCON		CMP30	2496	A
COMPASS		SA1	OPADS	PROCESS LENGTH FIELD	CMP30	2497	A
COMPASS		SA2	EXVAL		CMP30	2498	A
COMPASS		MX6	1		CMP30	2499	A
COMPASS		SB7	X1-59		CMP30	2500	A
COMPASS		LX6	X6,B7	7- OR 13-BIT MASK	CMP30	2501	A
COMPASS		BX6	-X6*X2		CMP30	2502	A
COMPASS		MX0	-4		CMP30	2503	A
COMPASS		BX7	-X0*X6	LL = LOWER 4 BITS OF L	CMP30	2504	A
COMPASS		AX6	4	LU = UPPER 3 OR 9 BITS OF L	CMP30	2505	A
COMPASS		SA3	OPVAL		CMP30	2506	A
COMPASS		LX7	8		CMP30	2507	A
COMPASS		BX6	X3+X6		CMP30	2508	A
COMPASS		SA6	A3	OPVAL = OPCODE, LU	CMP30	2509	A
COMPASS		SA7	A1	OPADS = LL IN BITS 11-8	CMP30	2510	A
COMPASS		SX1	18		CMP30	2511	A
COMPASS		SX6	B1		CMP30	2512	A
COMPASS		RJ	SCADCON	SCAN KS OR KA	CMP30	2513	A
COMPASS		SA1	EXVAL		CMP30	2514	A
COMPASS		SA2	A1+B1	EXREL	CMP30	2515	A
COMPASS		MX0	-18		CMP30	2516	A
COMPASS		SA3	A2+B1	EXEXT	CMP30	2517	A
COMPASS		BX6	-X0*X1		CMP30	2518	A
COMPASS		LX7	X2		CMP30	2519	A
COMPASS		SA6	OPADS+1	OPADS+1 = KS/KA VALUE	CMP30	2520	A
COMPASS		SA7	A6+B1	OPADS+2 = RELOCATION	CMP30	2521	A
COMPASS		BX6	X3		CMP30	2522	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA6	A7+B1	OPADS+3 = EXTERNAL	CMP30	2523	A
COMPASS	SX6	3		CMP30	2524	A
COMPASS	SX1	X6+B1		CMP30	2525	A
COMPASS	RJ	SCADCON	SCAN CS OR CA	CMP30	2526	A
COMPASS	SA1	EXVAL		CMP30	2527	A
COMPASS	SA2	OPADS		CMP30	2528	A
COMPASS	SX3	X1-10		CMP30	2529	A
COMPASS	BX7	-X3+X1		CMP30	2530	A
COMPASS	LX1	4		CMP30	2531	A
COMPASS	PL	X7,CC3	IF NOT 0-9, USE 0 AND SET A-ERROR	CMP30	2532	A
COMPASS	SX6	B1		CMP30	2533	A
COMPASS	MX1	0		CMP30	2534	A
COMPASS	SA6	EFLG		CMP30	2535	A
COMPASS	SA6	AERR		CMP30	2536	A
COMPASS	CC3	BX6	X2+X1	CMP30	2537	A
COMPASS	SA6	A2	OPADS = LL IN BITS 11-8, CS/CA IN BITS 7-4	CMP30	2538	A
COMPASS	SX1	18		CMP30	2539	A
COMPASS	SX6	B1		CMP30	2540	A
COMPASS	RJ	SCADCON	SCAN KD OR KB	CMP30	2541	A
COMPASS	SA1	EXVAL		CMP30	2542	A
COMPASS	SA2	A1+B1	EXREL	CMP30	2543	A
COMPASS	MX0	-18		CMP30	2544	A
COMPASS	SA3	A2+B1	EXEXT	CMP30	2545	A
COMPASS	BX6	-X0*X1		CMP30	2546	A
COMPASS	LX7	X2		CMP30	2547	A
COMPASS	SA6	OPADS+4	OPADS+4 = KD/KB VALUE	CMP30	2548	A
COMPASS	SA7	A6+B1	OPADS+5 = RELOCATION	CMP30	2549	A
COMPASS	BX6	X3		CMP30	2550	A
COMPASS	SA6	A7+B1	OPADS+6 = EXTERNAL	CMP30	2551	A
COMPASS	SX6	3		CMP30	2552	A
COMPASS	SX1	X6+B1		CMP30	2553	A
COMPASS	RJ	SCADCON	SCAN CD OR CB	CMP30	2554	A
COMPASS	SA1	EXVAL		CMP30	2555	A
COMPASS	SA2	OPADS		CMP30	2556	A
COMPASS	SX3	X1-10		CMP30	2557	A
COMPASS	BX7	-X3+X1		CMP30	2558	A
COMPASS	PL	X7,CC4	IF NOT 0-9, USE 0 AND SET A-ERROR	CMP30	2559	A
COMPASS	SX6	B1		CMP30	2560	A
COMPASS	MX1	0		CMP30	2561	A
COMPASS	SA6	EFLG		CMP30	2562	A
COMPASS	SA6	AERR		CMP30	2563	A
COMPASS	CC4	BX6	X2+X1	CMP30	2564	A
COMPASS	SA6	A2	OPADS = 48/ 0, 4/ LL, 4/ CS/CA, 4/ CD/CB	CMP30	2565	A
COMPASS	SA1	EXSTOP		CMP30	2566	A
COMPASS	ZR	X1,CC5	IF END OF VARIABLE FIELD	CMP30	2567	A
COMPASS	SX6	B1		CMP30	2568	A
COMPASS	SA6	EFLG	TOO MANY ARGUMENTS	CMP30	2569	A
COMPASS	SA6	W8ERR		CMP30	2570	A
COMPASS	CC5	SX7	48	CMP30	2571	A
COMPASS	SA1	OPVAL	OUTPUT OPCODE AND LU	CMP30	2572	A
COMPASS	SX2	12	(BITS 59-48 OF WORD)	CMP30	2573	A
COMPASS	MX3	0		CMP30	2574	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	BX4	X4-X4			CMP30	2575	A
COMPASS	SA7	POSCTR			CMP30	2576	A
COMPASS	RJ	BINOUT			CMP30	2577	A
COMPASS	SX7	30			CMP30	2578	A
COMPASS	SA1	OPADS+1	OUTPUT KS OR KA FIELD		CMP30	2579	A
COMPASS	SX2	18	(BITS 47-30 OF WORD)		CMP30	2580	A
COMPASS	SA3	A1+B1			CMP30	2581	A
COMPASS	SA4	A3+B1			CMP30	2582	A
COMPASS	SA7	POSCTR			CMP30	2583	A
COMPASS	RJ	BINOUT			CMP30	2584	A
COMPASS	SX7	18			CMP30	2585	A
COMPASS	SA1	OPADS	OUTPUT LL, CS/CA, CD/CB		CMP30	2586	A
COMPASS	SX2	12	(BITS 29-18 OF WORD)		CMP30	2587	A
COMPASS	MX3	0			CMP30	2588	A
COMPASS	BX4	X4-X4			CMP30	2589	A
COMPASS	SA7	POSCTR			CMP30	2590	A
COMPASS	RJ	BINOUT			CMP30	2591	A
COMPASS	SX7	B0			CMP30	2592	A
COMPASS	SA1	OPADS+4	OUTPUT KD OR KB FIELD		CMP30	2593	A
COMPASS	SX2	18	(BITS 17-0 OF WORD)		CMP30	2594	A
COMPASS	SA3	A1+B1			CMP30	2595	A
COMPASS	SA4	A3+B1			CMP30	2596	A
COMPASS	SA7	POSCTR			CMP30	2597	A
COMPASS	RJ	BINOUT			CMP30	2598	A
COMPASS	SA1	OPVAL			CMP30	2599	A
COMPASS	SA2	OPADS+1	LIST UPPER HALF OF WORD IN OCTAL		CMP30	2600	A
COMPASS	SA3	A2+B1			CMP30	2601	A
COMPASS	SA4	A3+B1			CMP30	2602	A
COMPASS	LX1	18			CMP30	2603	A
COMPASS	BX6	X3			CMP30	2604	A
COMPASS	LX7	X4			CMP30	2605	A
COMPASS	IX1	X1+X2			CMP30	2606	A
COMPASS	SX2	26			CMP30	2607	A
COMPASS	SX3	10			CMP30	2608	A
COMPASS	SA6	EXREL			CMP30	2609	A
COMPASS	SA7	A6+B1			CMP30	2610	A
COMPASS	RJ	PACKOR			CMP30	2611	A
COMPASS	SA1	OPADS+2			CMP30	2612	A
COMPASS	SA2	A1+B1			CMP30	2613	A
COMPASS	BX6	X1+X2			CMP30	2614	A
COMPASS	ZR	X6,CC6	IF NOT RELOCATABLE NOR EXTERNAL		CMP30	2615	A
COMPASS	RJ	LISTERG	LIST LINE		CMP30	2616	A
COMPASS	MX6	0	CLEAR DETAIL FLAG		CMP30	2617	A
COMPASS	SA6	DETFLG			CMP30	2618	A
COMPASS	CC6	SA1	OPADS		CMP30	2619	A
COMPASS	SA2	OPADS+4	LIST LOWER HALF OF WORD IN OCTAL		CMP30	2620	A
COMPASS	SA3	A2+B1			CMP30	2621	A
COMPASS	SA4	A3+B1			CMP30	2622	A
COMPASS	LX1	18			CMP30	2623	A
COMPASS	BX6	X3			CMP30	2624	A
COMPASS	LX7	X4			CMP30	2625	A
COMPASS	IX1	X1+X2			CMP30	2626	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SX2	36				CMP30	2627	A
COMPASS	SX3	10				CMP30	2628	A
COMPASS	SA6	EXREL				CMP30	2629	A
COMPASS	SA7	A6+B1				CMP30	2630	A
COMPASS	RJ	PACKOR				CMP30	2631	A
COMPASS	RJ	LISTERG	LIST LINE			CMP30	2632	A
COMPASS	EQ	Z100	RETURN			CMP30	2633	A
COMPASS	CHAR	SPACE	4,8			CPS011	10	A
COMPASS	***	CHAR	- CHANGE CHARACTER CODE.			CPS011	11	A
COMPASS	*					CPS011	12	A
COMPASS	*					CPS011	13	A
COMPASS	*	CHAR	AEXP,AEXP			CPS011	14	A
COMPASS	*	DEFINES	CHARACTER CODE CONVERSION INVOKED BY *CODE OTHER*.			CPS011	15	A
COMPASS	*	INITIALLY,	ALL CHARACTERS HAVE THEIR DISPLAY CODE VALUES.			CPS011	16	A
COMPASS	*	*CHAR*	REDEFINES THE CHARACTER WHOSE DISPLAY CODE VALUE			CPS011	17	A
COMPASS	*	IS (AEXP1)	TO BE CONVERTED TO THE VALUE OF (AEXP2) WHEN			CPS011	18	A
COMPASS	*	*CODE OTHER*	IS IN EFFECT.			CPS011	19	A
COMPASS	*	THIS CHANGE	IS MADE IN PASS 1 SO THE CHARACTERS HAVE THIS			CPS011	20	A
COMPASS	*	VALUE DURING	PASS 2.			CPS011	21	A
COMPASS						CPS011	22	A
COMPASS						CPS011	23	A
COMPASS		QUAL	PASS1			CPS011	24	A
COMPASS	CHAR.	SX1	6			CPS011	25	A
COMPASS		SX6	3			CPS011	26	A
COMPASS		RJ	SCADCON			CPS011	27	A
COMPASS		NZ	X1,CTL70	IF ERRORS		CPS011	28	A
COMPASS		SA1	EXVAL			CPS011	29	A
COMPASS		MX0	-6			CPS011	30	A
COMPASS		BX6	-X0*X1			CPS011	31	A
COMPASS		SA6	P1TEMP			CPS011	32	A
COMPASS		SX1	6			CPS011	33	I
-F4820								
COMPASS		SX1	8			F4820	606	A
COMPASS		SX6	3			CPS011	34	A
COMPASS		RJ	SCADCON			CPS011	35	A
COMPASS		NZ	X1,CTL70	IF ERRORS		CPS011	36	A
COMPASS		SA1	P1TEMP			CPS011	37	A
COMPASS		SA2	EXVAL			CPS011	38	A
COMPASS		MX0	-6			CPS011	39	I
-F4820								
COMPASS		MX0	-8			F4820	607	A
COMPASS		SA3	X1+STCA	READ CHARACTER		CPS011	40	A
COMPASS		BX6	-X0*X2			CPS011	41	A
COMPASS		LX0	24			CPS011	42	I
-F4820								
COMPASS		LX6	24			CPS011	43	I
-F4820								
COMPASS		LX0	48			F4820	608	I
-CPSA281								
COMPASS		LX6	48			F4820	609	I
-CPSA281								
COMPASS		LX0	36			CPSA281	179	A
0	1	2	3	4	5	6	7	8
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## 14121HE

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[illegible]

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	*	IF (CH2) = S, CHARACTER DATA FOR *CON* AND *VFD* INSTRUCTIONS				CPSA288	26	A
COMPASS	*	IS PLACED IN THE RIGHT-MOST 12 BITS OF EACH 16-BIT				CPSA288	27	A
COMPASS	*	PP WORD. THIS IS OVERRIDDEN BY USE OF *CONL* AND				CPSA288	28	A
COMPASS	*	*VFDL*.				CPSA288	29	A
COMPASS	*	IF (CH2) = ANYTHING OTHER THAN S, CHARACTER DATA FOR *CON*				CPSA288	30	A
COMPASS	*	AND *VFD* IS ASSEMBLED WITH THE FULL 16-BIT WORD				CPSA288	31	A
COMPASS	*	AS THE FIELD SIZE.				CPSA288	32	A
COMPASS						CPSA281	184	A
COMPASS						CPSA281	185	A
COMPASS		QUAL	PASS1			CPSA281	186	A
COMPASS	CIPPU	SX6	-3	PP TYPE = 180		CPSA281	187	A
COMPASS		SA6	PPTYPE			CPSA281	188	A
COMPASS		SA1	CHAR	PP JUMP INDICATOR		CPSA281	189	I
COMPASS	-CPSA288							
COMPASS		SX1	X1-1RJ			CPSA281	190	I
COMPASS	-CPSA288							
COMPASS		SX6	B0			CPSA281	191	I
COMPASS	-CPSA288							
COMPASS		NZ	X1,CIPPU1	IF NOT *J*		CPSA281	192	I
COMPASS	-CPSA288							
COMPASS		SX6	B1			CPSA281	193	I
COMPASS	-CPSA288							
COMPASS	CIPPU1	SA6	PPJUMP			CPSA281	194	I
COMPASS	-CPSA288							
COMPASS		SX7	B0	SET FOR *L* OPTION		CPSA288	33	A
COMPASS		MX6	0	SET FOR NOT *J* OPTION		CPSA288	34	A
COMPASS		SA3	COLUMN			CPSA288	35	A
COMPASS		SA1	X3+CARD-1	GET FIRST CHAR OF ADDRESS FIELD		CPSA288	36	A
COMPASS		SX2	X1-1RJ			CPSA288	37	A
COMPASS		NZ	X2,CIPPU3	IF *J* OPTION NOT PRESENT		CPSA288	38	A
COMPASS		SX6	B1	SET FOR *J* OPTION		CPSA288	39	A
COMPASS	CIPPU1	SA1	A1+B1	GET NEXT CHAR		CPSA288	40	A
COMPASS	CIPPU3	SX2	X1-1R			CPSA288	41	A
COMPASS		ZR	X2,CIPPU4	IF END OF ADDRESS FIELD		CPSA288	42	A
COMPASS		SX2	X1-1R,			CPSA288	43	A
COMPASS		NZ	X2,CIPPU1	LOOP FORWARD TO COMMA		CPSA288	44	A
COMPASS		SA1	A1+B1	GET NEXT CHAR		CPSA288	45	A
COMPASS		SX2	X1-1RS			CPSA288	46	A
COMPASS		NZ	X2,CIPPU4			CPSA288	47	A
COMPASS		SX7	4	SET FOR *S* OPTION		CPSA288	48	A
COMPASS	CIPPU4	SA6	PPJUMP	SET PP JUMP INDICATOR		CPSA288	49	A
COMPASS		SA7	VWORD	SET *VFD* AND *CON* ASSEMBLY MODE		CPSA288	50	A
COMPASS		SX6	B1			CPSA281	195	A
COMPASS		SX7	16			CPSA281	196	A
COMPASS		SA6	MACHINE	MACHINE TYPE = 1 FOR PP		CPSA281	197	A
COMPASS		SA7	LWORD	WORD LENGTH = 16 FOR 180 PP		CPSA281	198	A
COMPASS		SA7	POSCTR	POSITION COUNTER = 16		CPSA281	199	A
COMPASS		SX6	B1+B1			CPSA281	200	A
COMPASS		SA6	NCHARS	NUMBER OF CHARACTERS = 2		CPSA281	201	A
COMPASS		SX6	6			CPSA281	202	A
COMPASS		SA6	PPBYT	6 BYTES PER PP WORD FOR 180		CPSA281	203	A
COMPASS		LX7	24	SET POSITION COUNTER IN *USETAB* ENTRIES		CPSA281	204	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA1	O.USETAB		CPSA281	205	A
COMPASS	SA2	L.USETAB		CPSA281	206	A
COMPASS	CIPPU2	SA7	X1+B1	CPSA281	207	A
COMPASS	SX2	X2-4		CPSA281	208	A
COMPASS	SX1	X1+4		CPSA281	209	A
COMPASS	NZ	X2,CIPPU2		CPSA281	210	A
COMPASS	SX6	4		CPSA281	211	A
COMPASS	SX7	1R8	*VALID* = 8 (TO BE SET TO 8P)	CPSA281	212	A
COMPASS	SA6	MTYPE	*MTYPE* = 3	CPSA281	213	A
COMPASS	LX7	6		CPSA281	214	A
COMPASS	SX6	X6+B1	5	CPSA281	215	A
COMPASS	SA7	VALID		CPSA281	216	A
COMPASS	SX7	45		CPSA281	217	I
-CPSA288						
COMPASS	SA7	CT	SET DEFAULT CHARACTER TYPE TO 8-BIT ASCII	CPSA281	218	I
-CPSA288						
COMPASS	SX7	45	SET CHARACTER TYPE TO 8-BIT ASCII	CPSA288	51	A
COMPASS	SA3	/DATA/STCZ	SET FOR CHARACTER STORE OF 8-BIT/ASCII	CPSA293	74	A
COMPASS	SA2	VWORD		CPSA288	52	A
COMPASS	ZR	X2,CIPPU5	IF 16-BIT MODE FOR *CON* AND *VFD*	CPSA288	53	A
COMPASS	SX6	B0	SET CHARACTER TYPE TO DISPLAY	CPSA288	54	A
COMPASS	MX7	0		CPSA288	55	A
COMPASS	SA3	/DATA/STCW	SET FOR CHARACTER STORE OF 6-BIT/NON-ASCII	CPSA293	75	A
COMPASS	CIPPU5	SA7	CT	CPSA288	56	A
COMPASS	SA6	A7+B1		CPSA281	219	A
COMPASS	BX7	X3	SET CHARACTER STORE	CPSA293	76	A
COMPASS	SA7	/DATA/STC0	*** SAFE CODE-MODIFICATION ***	CPSA293	77	A
COMPASS	SA1	PSIM		CPSA281	220	A
COMPASS	SX3	6000B		CPSA281	221	A
COMPASS	BX6	X1+X3	INCLUDE 60B, 61B CODES IN MASK	CPSA281	222	A
COMPASS	SA6	A1		CPSA281	223	A
COMPASS	EQ	ABS		CPSA281	224	I
-CPSA305						
COMPASS	EQ	BCU3	COMPLETE THE SAME AS FOR *BCU*	CPSA305	18	A
COMPASS	CIPPU	SPACE	4,10	CPSA281	225	A
COMPASS	**	CIPPU	- 180 PP ASSEMBLY.	CPSA281	226	A
COMPASS				CPSA281	227	A
COMPASS				CPSA281	228	A
COMPASS				CPSA281	229	A
COMPASS	CIPPU	QUAL	PASS2	CPSA281	230	I
COMPASS	EQ	ZLIST				
-CPSA293						
COMPASS	CIPPU	SA3	/DATA/STCZ	CPSA293	78	A
COMPASS		SA2	VWORD	CPSA293	79	A
COMPASS		ZR	X2,CIPPU1	CPSA293	80	A
COMPASS		SA3	/DATA/STCW	CPSA293	81	A
COMPASS	CIPPU1	BX7	X3	CPSA293	82	A
COMPASS		SA7	/DATA/STC0	CPSA293	83	A
COMPASS		EQ	ZLIST	CPSA293	84	A
COMPASS	CODE	SPACE	4	COMPASS	6405	A
COMPASS	***	CODE	- DECLARE CHARACTER DATA CODE.	COMPASS	6406	A
COMPASS	*			COMPASS	6407	A
COMPASS	*			COMPASS	6408	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	*	CODE	CHAR	COMPASS	6409	I
COMPASS	-CMP30			CMP30	2634	A
COMPASS	*MNAME	CODE	CHAR	COMPASS	6410	I
COMPASS	*	(CHAR)	= A SET USASCII CODE.			
COMPASS	-CPS011			CPS011	70	A
COMPASS	*	(CHAR)	= A SET ASCII 6-BIT SUBSET CODE.	COMPASS	6411	A
COMPASS	*		D SET DISPLAY CODE.	COMPASS	6412	A
COMPASS	*		E SET EXTERNAL BCD CODE.	COMPASS	6413	A
COMPASS	*		I SET INTERNAL BCD CODE.	CPS011	71	A
COMPASS	*		O SET OTHER CHARACTER CODE DEFINED BY *CHAR*.	CMP30	2635	A
COMPASS	*		* SET PREVIOUS CODE.	CMP30	2636	A
COMPASS	*		BLANK LEAVE CODE UNCHANGED.	CMP30	2637	A
COMPASS	*	IF (MNAME) IS PRESENT,	SAVE THE CURRENT CODE IN MICRO MNAME.	COMPASS	6414	A
COMPASS				COMPASS	6415	A
COMPASS		QUAL	PASS1	COMPASS	6416	A
COMPASS	CODE	SA1	CHAR	COMPASS	6417	I
COMPASS	-CMP30					
COMPASS	CODE	SA2	LOCSYM	CMP30	2638	A
COMPASS		ZR	X2, CODE1	CMP30	2639	A
COMPASS		SA1	CODEMIC	CMP30	2640	A
COMPASS		SX6	B1+B1	CMP30	2641	A
COMPASS		BX7	X1	CMP30	2642	A
COMPASS		SA7	RELVEC	CMP30	2643	A
COMPASS		RJ	EMT	CMP30	2644	A
COMPASS	CODE1	SA1	CHAR	CMP30	2645	A
COMPASS		RJ	CCC	COMPASS	6418	A
COMPASS		MI	X6, CTL70	CMP30	2646	A
COMPASS		LX1	-6	CMP30	2647	A
COMPASS		SX7	B1	CMP30	2648	A
COMPASS		BX6	X1+X7	CMP30	2649	A
COMPASS		SA6	CODEMIC	CMP30	2650	A
COMPASS		EQ	CTL70	COMPASS	6419	A
COMPASS	CODE	SPACE	4	COMPASS	6420	A
COMPASS	**	CODE	- DECLARE CHARACTER DATA CODE.	COMPASS	6421	A
COMPASS				COMPASS	6422	A
COMPASS				COMPASS	6423	A
COMPASS		QUAL	PASS2	COMPASS	6424	A
COMPASS	CODE	SA1	CT	COMPASS	6425	I
COMPASS	-CMP30					
COMPASS		SA2	=0RAIED	COMPASS	6426	I
COMPASS	-CMP30					
COMPASS		SB7	X1	COMPASS	6427	I
COMPASS	-CMP30					
COMPASS		MX0	-6	COMPASS	6428	I
COMPASS	-CMP30					
COMPASS		AX2	X2, B7	COMPASS	6429	I
COMPASS	-CMP30					
COMPASS		BX6	-X0*X2	COMPASS	6430	I
COMPASS	-CMP30					
COMPASS		SA6	OCTAL+33	COMPASS	6431	I
COMPASS	-CMP30					
0	1	2	3	4	5	6
123456789012345678901234567890123456789012345678901234567890						



## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SX7	65B	COMPASS	6432	I
-CMP30					
COMPASS	SA1	CT+1	CMP30	2651	A
COMPASS	SA2	CCCA+X1	CMP30	2652	A
COMPASS	UX3,B7	X2	CMP30	2653	A
COMPASS	SX6	-B7	CMP30	2654	A
COMPASS	SX7	CONCAT	CMP30	2655	A
COMPASS	SA6	OCTAL+33	CMP30	2656	A
COMPASS	SA7	A6+B1	COMPASS	6433	A
COMPASS	SA6	A7+B1	COMPASS	6434	A
COMPASS	SA1	CHAR	COMPASS	6435	A
COMPASS	RJ	CCC	COMPASS	6436	A
COMPASS	NG	X6,ZLIST	COMPASS	6437	A
COMPASS	BX6	X1	COMPASS	6438	A
COMPASS	SA6	OCTAL+35	COMPASS	6439	A
COMPASS	EQ	ZLIST	COMPASS	6440	A
COMPASS	COL	SPACE 4	COMPASS	6441	A
COMPASS	***	COL - SET COMMENT COLUMN.	COMPASS	6442	A
COMPASS	*		COMPASS	6443	A
COMPASS	*	COL AEXP	COMPASS	6444	A
COMPASS	*	SETS THE COLUMN NUMBER AT WHICH COMMENT FIELD CAN BEGIN	COMPASS	6445	A
COMPASS	*	WHEN VARIABLE FIELD IS BLANK.	COMPASS	6446	A
COMPASS			COMPASS	6447	A
COMPASS			COMPASS	6448	A
COMPASS	QUAL	PASS1	COMPASS	6449	A
COMPASS	COL.	SX1 15	COMPASS	6450	A
COMPASS		SX6 3	COMPASS	6451	A
COMPASS		RJ SMC	COMPASS	6452	A
COMPASS		NZ X1,CTL70	COMPASS	6453	A
COMPASS		SA1 EXVAL	COMPASS	6454	A
COMPASS		BX6 X1	COMPASS	6455	A
COMPASS		SX2 X1-12	COMPASS	6456	A
COMPASS		PL X2,COM1	COMPASS	6457	A
COMPASS		SX6 12	COMPASS	6458	A
COMPASS		NZ X1,COM1	COMPASS	6459	A
COMPASS		SX6 COMCOL	COMPASS	6460	A
COMPASS	COM1	SA6 CCOL	COMPASS	6461	A
COMPASS		SA6 FLAG	COMPASS	6462	A
COMPASS		EQ CTL70	COMPASS	6463	A
COMPASS	COL	SPACE 4	COMPASS	6464	A
COMPASS	**	COL - SET COMMENT COLUMN.	COMPASS	6465	A
COMPASS			COMPASS	6466	A
COMPASS			COMPASS	6467	A
COMPASS	QUAL	PASS2	COMPASS	6468	A
COMPASS	COL.	SA1 FLAG	COMPASS	6469	A
COMPASS		BX6 X1	COMPASS	6470	A
COMPASS		SA6 CCOL	COMPASS	6471	A
COMPASS		SX2 36	COMPASS	6472	A
COMPASS		MX3 0	COMPASS	6473	A
COMPASS		RJ PACK0	COMPASS	6474	A
COMPASS		EQ ZLIST	COMPASS	6475	A
COMPASS	COMMENT	SPACE 4	COMPASS	6476	A

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\*\*\* COMMENT - IDENT TABLE COMMENT.

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	BX6	X6+X1	COMPASS	6510	I
-CMP30					
COMPASS	SB3	B3-B2	COMPASS	6511	I
-CMP30					
COMPASS	NZ	B3,CMT3	COMPASS	6512	I
-CMP30		LOOP TO END OF WORD			
COMPASS	CMT4	LX6	COMPASS	6513	I
X6,B3					
-CMP30					
COMPASS	SA6	B4	COMPASS	6514	I
-CMP30					
COMPASS	SB4	B4+B1	COMPASS	6515	I
-CMP30					
COMPASS	MX0	-12	COMPASS	6516	I
-CMP30					
COMPASS	BX6	-X0*X6	COMPASS	6517	I
-CMP30					
COMPASS	ZR	X6,CMT5	COMPASS	6518	I
-CMP30		IF END OF COMMENT			
COMPASS	NE	B4,B5,CMT2	COMPASS	6519	I
LOOP TO END OF 7700 TABLE					
-CMP30					
COMPASS	CMT5	SX6	COMPASS	6520	I
-CMP30		B4-DPBA-3			
COMPASS	SB7	A2+B1	CMP30	2658	A
COMPASS	CMT1	SA2	CMP30	2659	A
COMPASS	SB7	A2-B1	CMP30	2660	A
COMPASS	SB7	B7-B1	CMP30	2661	A
COMPASS	SB3	X2-1R	CMP30	2662	A
COMPASS	ZR	B3,CMT1	CMP30	2663	A
COMPASS	SB4	PRFXC	CMP30	2664	A
COMPASS	SB5	PRFXC+7	CMP30	2665	A
COMPASS	CMT2	MX6	CMP30	2666	A
COMPASS	SB3	0	CMP30	2667	A
COMPASS	CMT3	SA1	CMP30	2668	A
COMPASS	LX6	B6	CMP30	2669	A
COMPASS	SB3	6	CMP30	2670	A
COMPASS	SB6	B6+B1	CMP30	2671	A
COMPASS	BX6	X6+X1	CMP30	2672	A
COMPASS	NZ	B3,CMT3	CMP30	2673	A
COMPASS	SA6	B4	CMP30	2674	A
COMPASS	SB4	B4+B1	CMP30	2675	A
COMPASS	GE	B6,B7,CMT4	CMP30	2676	A
COMPASS	LT	B4,B5,CMT2	CMP30	2677	A
COMPASS	CMT4	SX6	CMP30	2678	A
COMPASS	SA6	B4-PRFXC	CMP30	2679	A
COMPASS	MANAGE	IDTAB,X6	COMPASS	6521	A
COMPASS	SA1	P1TEMP	COMPASS	6522	A
COMPASS	IX6	X3-X1	COMPASS	6523	A
COMPASS	IX3	X2+X6	COMPASS	6524	A
COMPASS	SX2	DPBA+3	COMPASS	6525	A
-CMP30			COMPASS	6526	I
COMPASS	SX2	PRFXC	CMP30	2678	A
COMPASS	SA4	=1HT	CMP30	2679	A
COMPASS	RJ	MOVE	COMPASS	6527	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	EQ	CTL300	COMPASS	6528	A
COMPASS	COMMENT	SPACE 4	COMPASS	6529	A
COMPASS	**	COMMENT - IDENT TABLE COMMENT.	COMPASS	6530	A
COMPASS			COMPASS	6531	A
COMPASS			COMPASS	6532	A
COMPASS	QUAL	PASS2	COMPASS	6533	A
COMPASS	COMMENT	EQU ZLIST	COMPASS	6534	A
COMPASS	CON	SPACE 4	COMPASS	6535	A
COMPASS	***	CON - NUMERIC CONSTANT.	COMPASS	6536	A
COMPASS	*		COMPASS	6537	A
COMPASS	*		COMPASS	6538	A
COMPASS	*SYM	CON EXP1,EXP2,...,EXPN	COMPASS	6539	A
COMPASS	*	(SYM) IS ASSIGNED THE VALUE OF THE LOCATION COUNTER.	COMPASS	6540	A
COMPASS	*	CON GENERATES FIELD OF BINARY DATA. THE FIELD SIZE IS ONE	COMPASS	6541	I
COMPASS	-CPSA288				
COMPASS	*	WORD.	COMPASS	6542	I
COMPASS	-CPSA288				
COMPASS	*	GENERATES FIELDS OF BINARY DATA. THE FIELD SIZE IS NORMALLY	CPSA288	57	A
COMPASS	*	ONE WORD. HOWEVER, FOR A 180 PPU ASSEMBLY WITH THE SHORT DATA	CPSA288	58	A
COMPASS	*	OPTION SELECTED (CIPPU ,S), THE FIELD SIZE IS 12 BITS AND IS	CPSA288	59	A
COMPASS	*	RIGHT-JUSTIFIED IN THE 180 PPU WORD.	CPSA288	60	A
COMPASS			COMPASS	6543	A
COMPASS			COMPASS	6544	A
COMPASS	QUAL	PASS1	COMPASS	6545	A
COMPASS	CON	SA1 LWORD	COMPASS	6546	I
COMPASS	-CPSA288				
COMPASS	CON	SA1 LWORD	CPSA288	61	A
COMPASS		SET FIELD SIZE FOR GENERATED DATA	CPSA288	62	A
COMPASS		= LWORD FOR ALL ASSEMBLIES EXCEPT FOR	CPSA288	63	A
COMPASS		180 PPU ASSEMBLIES WITH *S* OPTION	CPSA288	64	A
COMPASS			CPSA288	65	A
COMPASS	CON.0	SA1 LWORD	CPSA288	65	A
COMPASS		COMMON CODE FOR *CON* AND *CONL*	COMPASS	6547	A
COMPASS	CON1	RJ YPRLOC	COMPASS	6548	I
COMPASS	-CPSA288	SA1 LWORD			
COMPASS	CON1	SA1 WWORD	CPSA288	66	A
COMPASS		RJ SCAD	COMPASS	6549	A
COMPASS		SX1 B1	COMPASS	6550	A
COMPASS		SA4 PPTYPE	F4820	613	A
COMPASS	+	SX4 X4+B1	F4820	614	I
COMPASS	-CPSA197				
COMPASS		PL X4,*+1	F4820	615	I
COMPASS	-CPSA197				
COMPASS		SX4 X4+2	CPSA197	24	A
COMPASS		NZ X4,CON2	CPSA197	25	A
COMPASS		SX1 B1+B1	F4820	616	A
COMPASS	CON2	BSS 0	CPSA197	26	A
COMPASS		RJ YUPLOC	COMPASS	6551	A
COMPASS		SA1 EXSTOP	COMPASS	6552	A
COMPASS		ZR X1,CTL65	COMPASS	6553	A
COMPASS		IF END OF LIST	COMPASS	6554	A
COMPASS	EQ	CON1	COMPASS	6555	A
COMPASS	CON	SPACE 4	COMPASS	6556	A
COMPASS	**	CON - NUMERIC CONSTANT.			

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## 14121HE

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS		AX1	8		F4820A	55	A		
COMPASS					F4820A	56	A		
COMPASS	CON1.3	SA2	LWORD		F4820A	57	A		
COMPASS		MX6	0		F4820	624	A		
COMPASS		AX1	8		F4820	625	I		
	-F4820A								
COMPASS		SA6	POSCTR		F4820	626	A		
COMPASS		SX3	B0		F4820	627	A		
COMPASS		SX4	B0		F4820	628	A		
COMPASS		RJ	BINOUT		F4820	629	A		
COMPASS		RJ	ZFOUP		F4820	630	A		
COMPASS		JP	CON2		F4820	631	A		
COMPASS	CON1.2	RJ	SCAD		F4820	632	A		
COMPASS		SA5	EXREG	CHECK FOR A REGISTER	COMPASS	6566	A		
COMPASS		SX6	B1		COMPASS	6567	A		
COMPASS		ZR	X5,CON2		COMPASS	6568	A		
COMPASS		SA6	AERR		COMPASS	6569	A		
COMPASS		SA6	EFLG		COMPASS	6570	A		
COMPASS	CON2	SA1	EXVAL	OUTPUT BINARY VALUE	COMPASS	6571	A		
COMPASS		SA2	LWORD		F4820	633	A		
COMPASS		SA3	LWORD		COMPASS	6572	I		
	-CMP21								
COMPASS		SA3	EXREL		COMPASS	6573	A		
COMPASS		SA4	A3+B1		COMPASS	6574	A		
COMPASS		MX6	0		COMPASS	6575	A		
COMPASS		SA6	POSCTR		COMPASS	6576	A		
COMPASS		RJ	BINOUT		COMPASS	6577	A		
COMPASS		SA1	EXVAL	OUTPUT OCTAL LIST	COMPASS	6578	A		
COMPASS		SX2	36		COMPASS	6579	A		
COMPASS		SX3	20		COMPASS	6580	A		
COMPASS		SA4	MACHINE		COMPASS	6581	A		
COMPASS		ZR	X4,CON3	IF CP	COMPASS	6582	A		
COMPASS		SX2	30		COMPASS	6583	A		
COMPASS		SX3	4		COMPASS	6584	I		
	-CPSA281								
COMPASS		SA4	PPTYPE		CPSA281	231	A		
COMPASS		SX4	X4+3		CPSA281	232	A		
COMPASS		NZ	X4,CON2.1	IF NOT 180 PP ASSEMBLY	CPSA281	233	A		
COMPASS		SX2	32		CPSA281	234	A		
COMPASS	CON2.1	SA3	PPBYT		CPSA281	235	A		
COMPASS		SA4	P2TEMP		COMPASS	6585	A		
COMPASS		SX5	B1		COMPASS	6586	A		
COMPASS		BX6	X4-X5		COMPASS	6587	A		
COMPASS		SA6	A4		COMPASS	6588	A		
COMPASS		ZR	X6,CON3	IF SECOND FIELD	COMPASS	6589	A		
COMPASS		SA5	EXSTOP		COMPASS	6590	A		
COMPASS		SX2	25		COMPASS	6591	A		
COMPASS		ZR	X5,CON3	IF END OF LIST	COMPASS	6592	A		
COMPASS		RJ	PACK0		COMPASS	6593	A		
COMPASS		EQ	CON1	LOOP	COMPASS	6594	I		
	-CMP21								
COMPASS		RJ	ZFOUP		CMP21	2	A		
	0	1	2	3	4	5	6	7	8
	1234567890123456								

## 1412THE

[illegible]

COMPASS	6612	A
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COMPASS	6612	A
COMPASS	6613	A
COMPASS	6614	A
COMPASS	6615	A

CMP30	2681	A
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COMPASS	6616	A
COMPASS	6617	A
COMPASS	6618	A
COMPASS	6619	A
COMPASS	6620	A

COMPASS	6621	A
COMPASS	6622	A
COMPASS	6623	A

COMPASS	6624	A
COMPASS	6625	A
COMPASS	6626	A

COMPASS	6627	A
COMPASS	6628	A
COMPASS	6629	A

COMPASS	6630	A
COMPASS	6631	A
COMPASS	6632	A

COMPASS	6633	A
COMPASS	6634	A
COMPASS	6635	A

COMPASS	6636	A
COMPASS	6637	A
CMP30	2682	A

CMP30	2683	A
CMP30	2684	A
CMP30	2685	A

CMP30	2686	A
CMP30	2687	A
CMP30	2688	A

CMP30	2688	A
CMP30	2689	A
CMP30	2690	A
CMP30	2691	A

CMP30	2691	A
CMP30	2692	A
CMP30	2693	A
CMP30	2694	A

CMP30	2694	A
CMP30	2695	A
COMPASS	6638	A
COMPASS	6639	

CMP30	2696	A
CMP30	2697	A

COMPASS	6640	A
COMPASS	6641	A
COMPASS	6642	A

COMPASS	6642	A
COMPASS	6643	A
COMPASS	6644	A
COMPASS	6645	A

COMPASS	6645	A
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[illegible]



## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	BX6	X6+X1	COMPASS	6646	A
COMPASS	SA1	P1TEMPD	COMPASS	6647	A
COMPASS	SB7	X1-3	COMPASS	6648	A
COMPASS	LE	B7,CPOP1 IF @ 3 ARGUMENTS	COMPASS	6649	A
COMPASS	SX7	B1	COMPASS	6650	A
COMPASS	SA7	LERR	COMPASS	6651	A
COMPASS	SA7	EFLG	COMPASS	6652	A
COMPASS CPOP1	MX0	1 SET OPSYN BIT	COMPASS	6653	A
COMPASS	LX0	48	COMPASS	6654	A
COMPASS	BX2	X0+X6	COMPASS	6655	A
COMPASS	SA3	EFLG	COMPASS	6656	A
COMPASS	SA1	P1TEMP	COMPASS	6657	A
COMPASS	NZ	X3,CTL70	COMPASS	6658	A
COMPASS	RJ	ENTOP	COMPASS	6659	A
COMPASS	EQ	CTL300 RETURN	COMPASS	6660	A
COMPASS CPOP	SPACE	4	COMPASS	6661	A
COMPASS **	CPOP - DEFINE CP OPERATION CODE.		COMPASS	6662	A
COMPASS			COMPASS	6663	A
COMPASS			COMPASS	6664	A
COMPASS	QUAL	PASS2	COMPASS	6665	A
COMPASS CPOP	EQU	ZLIST	COMPASS	6666	A
COMPASS CPSYN	SPACE	4	COMPASS	6667	A
COMPASS ***	CPSYN - CP INSTRUCTION SYNONYMOUS.		COMPASS	6668	A
COMPASS *			COMPASS	6669	A
COMPASS *			COMPASS	6670	A
COMPASS *SYTX1	CPSYN	SYTX2	COMPASS	6671	A
COMPASS *	THIS MAKES THE CP INSTRUCTION DESCRIBED BY (SYTX1)		COMPASS	6672	A
COMPASS *	SYNONYMOUS WITH THE CP INSTRUCTION DESCRIBED BY (SYTX2).		COMPASS	6673	A
COMPASS			COMPASS	6674	A
COMPASS			COMPASS	6675	A
COMPASS	QUAL	PASS1	COMPASS	6676	A
COMPASS CPSYN	SA1	OPTYPE SAVE OPTYPE	COMPASS	6677	A
COMPASS	SA2	COLUMN	COMPASS	6678	A
COMPASS	BX6	X1	COMPASS	6679	A
COMPASS	SA6	P1TEMPA	COMPASS	6680	A
COMPASS	SA1	X2+CARD-1 SCAN OPERATION SYNTAX	COMPASS	6681	A
COMPASS	RJ	SOS	COMPASS	6682	A
COMPASS	ZR	X6,CTL70 IF SYNTAX ERROR	COMPASS	6683	A
COMPASS	SA1	P1TEMP FIND EQUIVALENCE	COMPASS	6684	A
COMPASS	RJ	TLUOP	COMPASS	6685	A
COMPASS	SB7	AERR	COMPASS	6686	A
COMPASS	ZR	X6,CPS2 IF ADDRESS FIELD NOT DEFINED	COMPASS	6687	A
COMPASS	SA1	CARD SCAN OPERATION SYNTAX	COMPASS	6688	A
COMPASS	RJ	SOS	COMPASS	6689	A
COMPASS	SB7	LERR	COMPASS	6690	A
COMPASS	SA2	OPTYPE	CMP64G	16	A
COMPASS	ZR	X6,CPS2 IF LOCATION FIELD BAD	COMPASS	6691	A
COMPASS	MX0	1 SET OPSYN BIT	COMPASS	6692	I
-CMP64G					
COMPASS	SA2	OPTYPE	COMPASS	6693	I
-CMP64G					
COMPASS	LX0	48	COMPASS	6694	I
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP64G

1	COMPASS	-CMP64G	SA1	P1TEMP				COMPASS	6695	I
2										
3	COMPASS		BX2	X2+X0				COMPASS	6696	I
4		-CMP64G								
5	COMPASS		SA1	P1TEMP				CMP64G	17	A
6	COMPASS		BX6	X2				CMP64G	18	A
7	COMPASS		SX0	B1	SET PROGRAM-DEFINED FLAG			CMP64G	19	A
8	COMPASS		AX6	57				CMP64G	20	A
9	COMPASS		BX3	X6+X0				CMP64G	21	A
10	COMPASS	+	LX0	47				CMP64G	22	A
11	COMPASS		NZ	X3,*+1	IF NOT AN OPDEF			CMP64G	23	A
12	COMPASS		LX0	57-47				CMP64G	24	A
13	COMPASS	+	BX2	X2+X0				CMP64G	25	A
14	COMPASS		RJ	ENTOP				COMPASS	6697	A
15	COMPASS	CPS1	SA1	P1TEMPA	RESET OPTYPE			COMPASS	6698	A
16	COMPASS		BX6	X1				COMPASS	6699	A
17	COMPASS		SA6	OPTYPE				COMPASS	6700	A
18	COMPASS		EQ	CTL300	RETURN			COMPASS	6701	A
19	COMPASS	CPS2	SX6	B1	SET ERROR FLAG			COMPASS	6702	A
20	COMPASS		SA6	B7				COMPASS	6703	A
21	COMPASS		SA6	EFLG				COMPASS	6704	A
22	COMPASS		EQ	CPS1	RETURN			COMPASS	6705	A
23	COMPASS	CPSYN	SPACE	4				COMPASS	6706	A
24	COMPASS	**	CPSYN	- CP INSTRUCTION SYNONYMOUS.				COMPASS	6707	A
25	COMPASS							COMPASS	6708	A
26	COMPASS							COMPASS	6709	A
27	COMPASS		QUAL	PASS2				COMPASS	6710	A
28	COMPASS	CPSYN	EQU	ZLIST				COMPASS	6711	A
29	COMPASS	CTEXT	SPACE	4				COMPASS	6712	A
30	COMPASS	***	CTEXT	- COMMON DECK TEXT.				COMPASS	6713	A
31	COMPASS	*						COMPASS	6714	A
32	COMPASS	*						COMPASS	6715	A
33	COMPASS	*	CTEXT					COMPASS	6716	A
34	COMPASS	*	SET XTEXT FLAG FOR LIST CONTROL.					COMPASS	6717	A
35	COMPASS							COMPASS	6718	A
36	COMPASS							COMPASS	6719	A
37	COMPASS		QUAL	PASS1				COMPASS	6720	A
38	COMPASS	CTEXT	RJ	CWI	WRITE INTERMEDIATE			COMPASS	6721	A
39	COMPASS		SA1	XLEV	INCREMENT NESTING LEVEL	P036	18	CMP036	8	A
40	COMPASS		SX6	B1	SET XTEXT FLAG			COMPASS	6722	A
41	COMPASS		SX7	X1+B1		P036	20	CMP036	9	A
42	COMPASS		SA6	LIBFLG				COMPASS	6723	A
43	COMPASS		SA7	A1		P036	22	CMP036	10	A
44	COMPASS		EQ	CTL100	READ NEXT CARD			COMPASS	6724	A
45	COMPASS	CTEXT	SPACE	4				COMPASS	6725	A
46	COMPASS	**	CTEXT	- COMMON DECK TEXT.				COMPASS	6726	A
47	COMPASS							COMPASS	6727	A
48	COMPASS							COMPASS	6728	A
49	COMPASS		QUAL	PASS2				COMPASS	6729	A
50	COMPASS	CTEXT	RJ	LLA	LIST LOCATION ADDRESS			COMPASS	6730	A
51	COMPASS		SA1	LX+1				COMPASS	6731	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	ZR	X1,ZLIST	IF NO LIST X	COMPASS	6732	A
COMPASS	SA2	CHAR	CHECK TITLE	COMPASS	6733	A
COMPASS	SX6	X2-1R		COMPASS	6734	A
COMPASS	ZR	X6,ZLIST	IF NO TITLE	COMPASS	6735	A
COMPASS	SA1	SUBTIT	SET NEW TITLE	COMPASS	6736	A
COMPASS	RJ	SNT		COMPASS	6737	A
COMPASS	NZ	X6,ZLIST	IF ALREADY IN XTEXT AND LIST X IS OFF	P036 24 CMP036	11	A
COMPASS	RJ	TLIST	TEST FOR LISTING	COMPASS	6738	A
COMPASS	SA1	LPCNT	FORCE EJECT	COMPASS	6739	A
COMPASS	SA2	PSIZE		COMPASS	6740	I
-CPSA181						
COMPASS	SA2	NEJF	*N* CONTROLLED PAGE SIZE	CPSA181	18	A
COMPASS	IX7	X1+X2		COMPASS	6741	A
COMPASS	SA7	A1		COMPASS	6742	A
COMPASS	MX6	0		COMPASS	6743	A
COMPASS	SA6	CTYPE		COMPASS	6744	A
COMPASS	EQ	ZLIST	RETURN	COMPASS	6745	A
COMPASS	CU	SPACE 4		CMP30	2698	A
COMPASS	***	CU - COMPARE UNCOLLATED (CMU INSTRUCTION).		CMP30	2699	A
COMPASS	*			CMP30	2700	A
COMPASS	*			CMP30	2701	A
COMPASS	*	CU	L,KA,CA,KB,CB	CMP30	2702	A
COMPASS	*	(L) = DATA FIELD LENGTH IN CHARACTERS (@127).		CMP30	2703	A
COMPASS	*	(KA) = FIRST OPERAND FIELD FIRST WORD ADDRESS.		CMP30	2704	A
COMPASS	*	(CA) = FIRST OPERAND FIELD FIRST CHARACTER POSITION (0-9).		CMP30	2705	A
COMPASS	*	(KB) = SECOND OPERAND FIELD FIRST WORD ADDRESS.		CMP30	2706	A
COMPASS	*	(CB) = SECOND OPERAND FIELD FIRST CHARACTER POSITION (0-9).		CMP30	2707	A
COMPASS				CMP30	2708	A
COMPASS				CMP30	2709	A
COMPASS		QUAL	PASS1	CMP30	2710	A
COMPASS	CU	EQU	CC	CMP30	2711	A
COMPASS	CU	SPACE 4		CMP30	2712	A
COMPASS	**	CU - COMPARE UNCOLLATED (CMU INSTRUCTION).		CMP30	2713	A
COMPASS				CMP30	2714	A
COMPASS				CMP30	2715	A
COMPASS		QUAL	PASS2	CMP30	2716	A
COMPASS	CU	SX6	467B	CMP30	2717	A
COMPASS		EQ	CC1	CMP30	2718	A
COMPASS	DATA	SPACE 4		COMPASS	6746	A
COMPASS	***	DATA - DATA DECLARATION.		COMPASS	6747	A
COMPASS	*			COMPASS	6748	A
COMPASS	*			COMPASS	6749	A
COMPASS	*SYM	DATA	ITEM1,ITEM2,...,ITEMN	COMPASS	6750	A
COMPASS	*	(SYM) IS ASSIGNED THE VALUE OF THE LOCATION COUNTER.		COMPASS	6751	A
COMPASS	*	SUBFIELDS, SEPARATED BY COMMAS, MAY BE NUMERIC OR CHARACTER		COMPASS	6752	A
COMPASS	*	DATA ITEMS.		COMPASS	6753	A
COMPASS				COMPASS	6754	A
COMPASS				COMPASS	6755	A
COMPASS		QUAL	PASS1	COMPASS	6756	A
COMPASS	DATA	SA1	LWORD	COMPASS	6757	A
COMPASS		RJ	YPRLOC	COMPASS	6758	A
COMPASS	DATA1	SX2	VALUES	COMPASS	6759	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SX3	NLITS	COMPASS	6760	A
COMPASS	MX4	0	COMPASS	6761	A
COMPASS	SA5	LWORD	COMPASS	6762	A
COMPASS	RJ	SCD	COMPASS	6763	A
COMPASS	SB7	X1-1R	COMPASS	6764	A
COMPASS	SA2	MACHINE	COMPASS	6765	A
COMPASS	ZR	X2,DATA20	COMPASS	6766	A
COMPASS	SX2	X3-1	COMPASS	6767	A
COMPASS	NZ	X2,DATA20	COMPASS	6768	A
COMPASS	SA5	LWORD	CPSA233	6	A
COMPASS	SA2	VALUES	COMPASS	6769	A
COMPASS	AX2	12	COMPASS	6770	I
-CPSA233					
COMPASS	SB2	X5	CPSA233	7	A
COMPASS	AX2	B2,X2	CPSA233	8	A
COMPASS	ZR	X2,DATA20	COMPASS	6771	I
-CPSA288					
COMPASS	ZR	X2,DATA20	CPSA288	105	A
COMPASS	SX6	B1	COMPASS	6772	A
COMPASS	SA6	EFLG	COMPASS	6773	A
COMPASS	SA6	W7ERR	COMPASS	6774	A
COMPASS	DATA20	BX1	COMPASS	6775	A
COMPASS	RJ	YUPLC	COMPASS	6776	A
COMPASS	SA1	W7ERR	COMPASS	6777	A
COMPASS	+	NZ	COMPASS	6778	A
COMPASS	NZ	X1,CTL70	COMPASS	6779	A
COMPASS	ZR	B7,CTL65	COMPASS	6780	A
COMPASS	RJ	GETCH	COMPASS	6781	A
COMPASS	EQ	DATA1	COMPASS	6782	A
COMPASS	DATA	SPACE	COMPASS	6783	A
COMPASS	**	DATA -	COMPASS	6784	A
DATA DECLARATION.					
COMPASS	QUAL	PASS2	COMPASS	6785	A
COMPASS	RJ	ZFOUP	COMPASS	6786	A
COMPASS	DATA	SX6	COMPASS	6787	A
COMPASS	ZDATA0	SX2	COMPASS	6788	A
COMPASS		SA6	COMPASS	6789	A
COMPASS		SX3	COMPASS	6790	A
COMPASS		MX4	COMPASS	6791	A
COMPASS		SA5	COMPASS	6792	A
COMPASS		RJ	COMPASS	6793	A
COMPASS		BX6	COMPASS	6794	A
COMPASS		SX7	COMPASS	6795	A
COMPASS		SA6	COMPASS	6796	A
COMPASS		SA7	COMPASS	6797	A
COMPASS	ZDATA1	SA1	COMPASS	6798	A
COMPASS		RJ	COMPASS	6799	A
COMPASS		SA5	COMPASS	6800	A
COMPASS		SA1	COMPASS	6801	A
COMPASS		ZR	COMPASS	6802	A
COMPASS		MX6	COMPASS	6803	A
COMPASS			COMPASS	6804	A
COMPASS			COMPASS	6805	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	SA6	POSCTR		COMPASS	6806	A	
1	COMPASS	SA2	LWORD		COMPASS	6807	A	
2	COMPASS	MX3	0		COMPASS	6808	A	
3	COMPASS	BX4	X3		COMPASS	6809	A	
4	COMPASS	SX6	X1+B1		COMPASS	6810	A	
5	COMPASS	SX7	X5-1		COMPASS	6811	A	
6	COMPASS	SA6	A1		COMPASS	6812	A	
7	COMPASS	SA7	A5		COMPASS	6813	A	
8	COMPASS	SA1	X1		COMPASS	6814	A	
9	COMPASS	RJ	BINOUT	CALL BINOUT(VALUE,LWORD,0,0)	COMPASS	6815	A	
10	COMPASS	SA1	P2TEMPA		COMPASS	6816	A	
11	COMPASS	SX2	36		COMPASS	6817	A	
12	COMPASS	SX3	20		COMPASS	6818	A	
13	COMPASS	SA4	MACHINE		COMPASS	6819	A	
14	COMPASS	+	ZR	X4,*+2	COMPASS	6820	I	
15	-F4820							
16	COMPASS	SX2	X2-11	CORRECT FOR PP	COMPASS	6821	I	
17	-F4820							
18	COMPASS	SX3	4		COMPASS	6822	I	
19	-F4820							
20	COMPASS	+	SA1	X1-1	COMPASS	6823	I	
21	-F4820							
22	COMPASS	ZR	X4,ZDATA1A	IF CPU	F4820	634	A	
23	COMPASS	SX2	X2-11	CORRECT FOR PP	F4820	635	A	
24	COMPASS	SA4	PPTYPE		F4820	636	A	
25	COMPASS	SX3	4		F4820	637	I	
26	-CPSA281							
27	COMPASS	SA3	PPBYT		CPSA281	236	A	
28	COMPASS	PL	X4,ZDATA1A		F4820	638	A	
29	COMPASS	SB7	X1+2		CPSA197	29	I	
30	-CPSA218							
31	COMPASS	SB7	X4+2		CPSA218	5	A	
32	COMPASS	MI	B7,ZDATA1A		CPSA197	30	A	
33	COMPASS	SX4	X4+B1		F4820	639	A	
34	COMPASS	LX4	1		F4820	640	A	
35	COMPASS	IX2	X2+X4		F4820	641	A	
36	COMPASS	IX3	X3+X4		F4820	642	A	
37	COMPASS	ZDATA1A	SA1	X1-1	F4820	643	A	
38	COMPASS	RJ	PACK0	CALL PACK0(VALUE,36-11*MACHINE,20 OR 4)	COMPASS	6824	A	
39	COMPASS	ZDATA2	RJ	LISTERG	COMPASS	6825	A	
40	COMPASS	SA1	P2TEMP		COMPASS	6826	A	
41	COMPASS	NZ	X1,ZDATA1	IF MORE IN THIS DATA STRING	COMPASS	6827	A	
42	COMPASS	SA1	CHAR	TEST FOR END OF STATEMENT	COMPASS	6828	A	
43	COMPASS	SB7	X1-1R		COMPASS	6829	A	
44	COMPASS	ZR	B7,Z100		COMPASS	6830	A	
45	COMPASS	RJ	GETCH		COMPASS	6831	A	
46	COMPASS	EQ	ZDATA0		COMPASS	6832	A	
47	COMPASS	DECMIC	SPACE	4	COMPASS	6833	A	
48	COMPASS	***	DECMIC	- DECIMAL CONVERSION.	COMPASS	6834	A	
49	COMPASS	*			COMPASS	6835	A	
50	COMPASS	*			COMPASS	6836	A	
51	COMPASS	*MNAME	DECMIC	AEXP1,AEXP2	COMPASS	6837	A	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	DMC5	BX3	X0*X7		CMP18	39	A	
1	COMPASS		BX3	X3-X2		CMP18	40	A	
2	COMPASS		NZ	X3,DMC6	IF NON-ZERO CHARACTER	CMP18	41	A	
3	COMPASS		BX7	-X0*X7		CMP18	42	A	
4	COMPASS		SB7	B7-B1		CMP18	43	A	
5	COMPASS		LX7	6		CMP18	44	A	
6	COMPASS		NZ	X7,DMC5	IF NOT ALL ZEROS	CMP18	45	A	
7	COMPASS		SB7	B1		CMP18	46	A	
8	COMPASS		BX7	X2		CMP18	47	A	
9	COMPASS	DMC6	SX1	B7	CHARACTER COUNT	CMP18	48	A	
10	COMPASS		SB7	B7-10		CMP18	49	A	
11	COMPASS		IX7	X7+X1		CMP18	50	A	
12	COMPASS		ZR	B7,DMC7	IF NO LEADING ZEROS	CMP18	51	A	
13	COMPASS		SX6	B1+B1		COMPASS	6902	A	
14	COMPASS		SA7	A3		CMP18	52	A	
15	COMPASS		EQ	DMC3		CMP18	53	A	
16	COMPASS	DMC7	SX6	3		CMP18	54	A	
17	COMPASS		EQ	DMC3		COMPASS	6903	A	
18	COMPASS	DECMIC	SPACE	4		COMPASS	6904	A	
19	COMPASS	**	DECMIC	- DECIMAL CONVERSION.			COMPASS	6905	A
20	COMPASS					COMPASS	6906	A	
21	COMPASS					COMPASS	6907	A	
22	COMPASS		QUAL	PASS2		COMPASS	6908	A	
23	COMPASS	DECMIC	EQU	ZLIST		COMPASS	6909		I
24		-CPS010							
25	COMPASS	DECMIC	SX6	3		CPS010	37	A	
26	COMPASS		SX1	60		CPS010	38	A	
27	COMPASS		RJ	SMC		CPS010	39		I
28		-CPS052							
29	COMPASS		RJ	SCADCON		CPS052	2	A	
30	COMPASS		NZ	X1,ZLIST	IF ERRORS	CPS010	40	A	
31	COMPASS		SA1	EXVAL	OUTPUT VALUE IN OCTAL	CPS010	41	A	
32	COMPASS		SX2	36		CPS010	42	A	
33	COMPASS		MX3	0		CPS010	43	A	
34	COMPASS		RJ	PACK0		CPS010	44	A	
35	COMPASS		JP	ZLIST	RETURN	CPS010	45	A	
36	COMPASS	DIS	SPACE	4		COMPASS	6910	A	
37	COMPASS	***	DIS - DISPLAY CODED LINES.			COMPASS	6911	A	
38	COMPASS	*				COMPASS	6912	A	
39	COMPASS	*				COMPASS	6913	A	
40	COMPASS	*SYM	DIS	AEXP,STRING		COMPASS	6914	A	
41	COMPASS	*SYM	DIS	,*STRING*		COMPASS	6915	A	
42	COMPASS	*	(SYM) IS ASSIGNED THE VALUE OF THE LOCATION COUNTER.			COMPASS	6916	A	
43	COMPASS	*	(AEXP) IS THE WORD COUNT. (AEXP)*10 (CP) OR (AEXP)*2 (PP)			COMPASS	6917	A	
44	COMPASS	*	CHARACTERS BEYOND THE *,* ARE EXTRACTED. IF (AEXP) IS BLANK			COMPASS	6918	A	
45	COMPASS	*	OR ZERO, THE FIRST CHARACTER AFTER THE COMMA IS CONSIDERED			COMPASS	6919	A	
46	COMPASS	*	A DELIMITER, AND CHARACTERS ARE EXTRACTED UNTIL THE			COMPASS	6920	A	
47	COMPASS	*	DELIMITER IS ENCOUNTERED AGAIN.			COMPASS	6921	A	
48	COMPASS					COMPASS	6922	A	
49	COMPASS					COMPASS	6923	A	
50	COMPASS		QUAL	PASS1		COMPASS	6924	A	
51	COMPASS	DIS	SA1	LWORD		COMPASS	6925	A	

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	RJ	YPRLOC	PROCESS LOCATION	COMPASS	6926	A	
1	COMPASS	SX6	3	EVALUATE WORD COUNT	COMPASS	6927	A	
2	COMPASS	SX1	15		COMPASS	6928	A	
3	COMPASS	RJ	SMC		COMPASS	6929	A	
4	COMPASS	SA1	EXSTOP		CMP64G	26	A	
5	COMPASS	SA2	EXVAL		COMPASS	6930	A	
6	COMPASS	SA3	AERR		COMPASS	6931	A	
7	COMPASS	SA4	UERR		COMPASS	6932	A	
8	COMPASS	BX5	X3+X4		COMPASS	6933	A	
9	COMPASS	LX3	X2		CMP64G	27	A	
10	COMPASS	NZ	X5,CTL70	QUIT IF ERROR IN WORD COUNT FIELD	COMPASS	6934	A	
11	COMPASS	NZ	X2,DIS5	IF WORD COUNT NON-ZERO	COMPASS	6935		I
12		-CMP64G						
13	COMPASS	SA2	COLUMN	FETCH DELIMITER	COMPASS	6936		I
14		-CMP64G						
15	COMPASS	SA1	X2+CARD-1		COMPASS	6937		I
16		-CMP64G						
17	COMPASS	BX6	X1		COMPASS	6938		I
18		-CMP64G						
19	COMPASS	SA3	LASTCOL	SET PRECAUTIONARY TERMINATOR	COMPASS	6939		I
20		-CMP64G						
21	COMPASS	SA6	X3+CARD	STORE PROTECTION	COMPASS	6940		I
22		-CMP64G						
23	COMPASS	SB7	X1	SAVE TERMINATOR	COMPASS	6941		I
24		-CMP64G						
25	COMPASS	SX0	B1		COMPASS	6942		I
26		-CMP64G						
27	COMPASS	SA2	NCHARS		COMPASS	6943		I
28		-CMP64G						
29	COMPASS	BX4	X2	NUMBER OF CHARACTERS PER WORD	COMPASS	6944		I
30		-CMP64G						
31	COMPASS	SB7	-B7	TEST CHARACTER	COMPASS	6945		I
32		-CMP64G						
33	COMPASS	SX6	1R		CMP12	2		I
34		-CMP64G						
35	COMPASS	SX1	B7+B1		COMPASS	6946		I
36		-CMP64G						
37	COMPASS	DIS1	SB6	X1+B7	TEST CHARACTER	COMPASS	6947	I
38		-CMP64G						
39	COMPASS	SA1	A1+B1	FETCH NEXT ONE	COMPASS	6948		I
40		-CMP64G						
41	COMPASS	IX2	X2+X0		COMPASS	6949		I
42		-CMP64G						
43	COMPASS	NZ	B6,DIS1	LOOP UNTIL MATCH FOUND	COMPASS	6950		I
44		-CMP64G						
45	COMPASS	SX2	X2-1	CORRECT COUNT	COMPASS	6951		I
46		-CMP64G						
47	COMPASS	SA6	A6	RESTORE BLANK AT END OF STATEMENT	CMP12	3		I
48		-CMP64G						
49	COMPASS	IX2	X2/X4	CALCULATE NUMBER OF WORDS NEEDED	COMPASS	6952		I
50		-CMP64G						
51	COMPASS	DIS5	SA1	EXSTOP	COMPASS	6953		I
52								
53	0	1	2	3	4	5	6	7
54	12345678901234567890123456789012345678901234567890123456789012345678901234567890							

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP64G

1	COMPASS		NZ	X1,DIS6		COMPASS	6954	I	
2		-CMP64G							
3	COMPASS		SX6	1RA		COMPASS	6955	I	
4		-CMP64G							
5	COMPASS		SA6	AERR		COMPASS	6956	I	
6		-CMP64G							
7	COMPASS		SA6	EFLG		COMPASS	6957	I	
8		-CMP64G							
9	COMPASS		EQ	CTL70		COMPASS	6958	I	
10		-CMP64G							
11	COMPASS	DIS6	BX1	X2		COMPASS	6959	I	
12		-CMP64G							
13	COMPASS		BX6	X2		COMPASS	6960	I	
14		-CMP64G							
15	COMPASS		ZR	X1,ERA	IF NO COMMA AFTER EXPRESSION	CMP64G	28	A	
16	COMPASS		NZ	X2,DIS1	IF WORD COUNT NON-ZERO	CMP64G	29	A	
17	COMPASS		SA2	COLUMN		CMP64G	30	A	
18	COMPASS		SX6	1RC		CMP64G	31	A	
19	COMPASS		SX7	X2-1	DELIMITED STRING, EFFECTIVELY	CMP64G	32	A	
20	COMPASS		SA6	CHAR	REPLACE *,* WITH *C* AND	CMP64G	33	A	
21	COMPASS		SA7	A2	MAKE SCAN BEGIN THERE	CMP64G	34	A	
22	COMPASS		MX4	0		CMP64G	35	A	
23	COMPASS		SX2	VALUES		CMP64G	36	A	
24	COMPASS		SX3	NLITS		CMP64G	37	A	
25	COMPASS		SA5	LWORD		CMP64G	38	A	
26	COMPASS		RJ	SCD	SCAN DATA ITEM	CMP64G	39	A	
27	COMPASS		MX2	0		CMP64G	40	A	
28	COMPASS		SA5	AERR		CMP149	1	A	
29	COMPASS	DIS1	BX6	X2		CMP64G	41	A	
30	COMPASS		NG	X2,ERA	IF WORD COUNT IS NEGATIVE	CMP64G	42	A	
31	COMPASS		LX1	X3		CMP64G	43	A	
32	COMPASS		NZ	X5,ERA	IF A-ERROR	CMP149	2	A	
33	COMPASS		SA6	FLAG		COMPASS	6961	A	
34	COMPASS		RJ	YUPLOC		COMPASS	6962	A	
35	COMPASS		EQ	CTL70		COMPASS	6963	A	
36	COMPASS	DIS	SPACE	4		COMPASS	6964	A	
37	COMPASS	**	DIS	DIS - DISPLAY CODED LINES.			COMPASS	6965	A
38	COMPASS					COMPASS	6966	A	
39	COMPASS					COMPASS	6967	A	
40	COMPASS		QUAL	PASS2		COMPASS	6968	A	
41	COMPASS	DIS	SA1	LWORD		COMPASS	6969	A	
42	COMPASS		RJ	ZPRLOC	PROCESS LOCATION	COMPASS	6970	A	
43	COMPASS		MX7	0		COMPASS	6971	A	
44	COMPASS		SX6	3		CMP64G	44	A	
45	COMPASS		SX1	15		CMP64G	45	A	
46	COMPASS		SA7	LOCSYM		COMPASS	6972	A	
47	COMPASS		RJ	SMC	EVALUATE WORD COUNT	CMP64G	46	A	
48	COMPASS		SA1	AERR	CHECK IF PASS 1 FOUND ANY ERRORS	COMPASS	6973	A	
49	COMPASS		SA2	UERR	IN THE WORD COUNT FIELD	COMPASS	6974	A	
50	COMPASS		BX3	X1+X2		COMPASS	6975	I	

-CMP64G

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	BX4	X3		COMPASS	7054	I
1	COMPASS	-CMP64G	RJ	BINOUT	COMPASS	7055	I
2	COMPASS	-CMP64G	SA1	POSCTR	COMPASS	7056	I
3	COMPASS	-CMP64G	SX0	3	COMPASS	7057	I
4	COMPASS	-CMP64G	IX2	X1/X0	COMPASS	7058	I
5	COMPASS	-CMP64G	SA1	P2TEMPB	COMPASS	7059	I
6	COMPASS	-CMP64G	SA5	MACHINE	COMPASS	7060	I
7	COMPASS	-CMP64G	SX0	36	COMPASS	7061	I
8	COMPASS	+	ZR	X5,*+1	COMPASS	7062	I
9	COMPASS	-CMP64G	SX0	25	COMPASS	7063	I
10	COMPASS	-CMP64G	IX2	X0-X2	COMPASS	7064	I
11	COMPASS	-CMP64G	SX3	B1+B1	COMPASS	7065	I
12	COMPASS	-CMP64G	RJ	PACK0	COMPASS	7066	I
13	COMPASS	-CMP64G	EQ	ZDISOUT	COMPASS	7067	I
14	COMPASS	-CMP64G					
15	COMPASS	DUP	SPACE	4	COMPASS	7068	A
16	COMPASS	***	DUP	- DUPLICATION.	COMPASS	7069	A
17	COMPASS	*			COMPASS	7070	A
18	COMPASS	*			COMPASS	7071	A
19	COMPASS	*NAME	DUP	AEXP1,AEXP2	COMPASS	7072	A
20	COMPASS	*	(NAME)	IS BLANK OR AN INSTRUCTION BRACKET NAME. (AEXP1) IS	COMPASS	7073	A
21	COMPASS	*	THE REPLICATION COUNT. (AEXP2) IF PRESENT SPECIFIES THE		COMPASS	7074	A
22	COMPASS	*	NUMBER OF SUCCEEDING LINES TO BE ASSEMBLED.		COMPASS	7075	A
23	COMPASS				COMPASS	7076	A
24	COMPASS				COMPASS	7077	A
25	COMPASS				COMPASS	7078	A
26	COMPASS	DUP	QUAL	PASS1	COMPASS	7079	A
27	COMPASS		SX6	3	COMPASS	7080	A
28	COMPASS		SX1	15	COMPASS	7081	A
29	COMPASS		RJ	SMC	COMPASS	7082	A
30	COMPASS		SA2	LOCSYM	COMPASS	7083	A
31	COMPASS		BX6	X2	COMPASS	7084	A
32	COMPASS		SX1	B1+B1	COMPASS	7085	A
33	COMPASS		SA6	P1TEMP	COMPASS	7086	A
34	COMPASS		SA3	EXVAL	COMPASS	7087	A
35	COMPASS		MX0	45	COMPASS	7088	A
36	COMPASS		BX3	-X0*X3	COMPASS	7089	A
37	COMPASS		SX7	X3+B1	COMPASS	7090	A
38	COMPASS		SA7	P1TEMPA	COMPASS	7091	A
39	COMPASS		SX6	X1+B1	COMPASS	7091	A
40	COMPASS				COMPASS	7091	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SX1	15		COMPASS	7092	A
COMPASS	RJ	SMC	EVALUATE CARD COUNT	COMPASS	7093	A
COMPASS	SA1	EXVAL		COMPASS	7094	A
COMPASS	BX7	X1		COMPASS	7095	A
COMPASS	SA7	FLAG	SAVE CARD COUNT IN FLAG	COMPASS	7096	A
COMPASS	SA1	L.DUPTAB	SAVE DUPTABLE SIZE	COMPASS	7097	A
COMPASS	BX6	X1		COMPASS	7098	A
COMPASS	SA6	P1TEMPB		COMPASS	7099	A
COMPASS	RJ	CRL	CHECK RECURSION LIMIT	S004 11 CPS004	3	A
COMPASS DUP1	RJ	CWI		COMPASS	7100	A
COMPASS	SX6	B1	SET TEXT DEFINITION FLAG	COMPASS	7101	A
COMPASS	MX7	0	CLEAR PUSHUP FLAG	COMPASS	7102	A
COMPASS	SA6	TXTFLG		COMPASS	7103	A
COMPASS	SA7	PUSHUP		COMPASS	7104	A
COMPASS	RJ	INPUT1		COMPASS	7105	A
COMPASS	NZ	X1,DUP6	IF PUSHUP OCCURRED	COMPASS	7106	A
COMPASS	RJ	SETUP		COMPASS	7107	A
COMPASS	SA1	STYPE		COMPASS	7108	A
COMPASS	SA2	IOP		COMPASS	7109	A
COMPASS	SB7	X1-1R*		COMPASS	7110	A
COMPASS	SX3	3REND		COMPASS	7111	A
COMPASS	ZR	B7,DUP1	IF COMMENTS CARD	COMPASS	7112	A
COMPASS	BX3	X3-X2		COMPASS	7113	A
COMPASS	ZR	X3,END	IF END CARD	COMPASS	7114	A
COMPASS	SA1	EXVAL		COMPASS	7115	A
COMPASS	SX6	X1-1	DECREMENT CARD COUNTER	COMPASS	7116	A
COMPASS	SA6	A1		COMPASS	7117	A
COMPASS	ZR	X6,DUP2	IF END OF COUNT CONTROLLED UP	COMPASS	7118	A
COMPASS	PL	X6,DUP3	IF STILL IN COUNT CONTROLLED DUP	COMPASS	7119	A
COMPASS	SA1	IOP	CHECK FOR AN ENDD CARD	COMPASS	7120	A
COMPASS	SA2	=0RENDD		COMPASS	7121	A
COMPASS	BX3	X1-X2	CHECK THE LOCATION SYMBOLS	COMPASS	7122	A
COMPASS	NZ	X3,DUP3	IF NOT *ENDD*	COMPASS	7123	A
COMPASS	SA1	LOCSYM		COMPASS	7124	A
COMPASS	SA2	P1TEMP		COMPASS	7125	A
COMPASS	IX3	X1-X2		COMPASS	7126	A
COMPASS	ZR	X1,DUP4	IF LOCATION FIELD BLANK	COMPASS	7127	A
COMPASS	ZR	X2,DUP4	IF NO BRACKET NAME	COMPASS	7128	A
COMPASS	ZR	X3,DUP4	IF BRACKET NAMES MATCH	COMPASS	7129	A
COMPASS DUP3	PCARD	TEMTAB	PACK CARD INTO TEMTAB	COMPASS	7130	A
COMPASS	EQ	DUP1	AND CONTINUE TO ENTER DEFINITIONS	COMPASS	7131	A
COMPASS				COMPASS	7132	A
COMPASS *			END OF DEFINITION BECAUSE OF ENDD STATEMENT.	COMPASS	7133	A
COMPASS				COMPASS	7134	A
COMPASS DUP4	RJ	CWI	WRITE ENDD CARD	COMPASS	7135	A
COMPASS	MX6	0		COMPASS	7136	A
COMPASS	SX7	1R		COMPASS	7137	A
COMPASS	SA6	SQLGN	PERMIT REPACKING	COMPASS	7138	A
COMPASS	SA5	CARD		COMPASS	7139	A
COMPASS	SA7	A5		COMPASS	7140	A
COMPASS +	SA5	A5+B1	CLEAR	COMPASS	7141	A
COMPASS	BX4	X7-X5	OUT	COMPASS	7142	A

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	PX1	B0	CHARACTER OFFSET	CMP165	18	A	
1	COMPASS	LX1	41-29		CMP165	19	A	
2	COMPASS	PX1	B0	WORD OFFSET	CMP165	20	A	
3	COMPASS	LX1	29-59		CMP165	21	A	
4	COMPASS	ADDWORD	MARDIS		CMP165	22	A	
5	COMPASS	SA1	CHAR	CHECK FOR END OF FIELD	COMPASS	7249	A	
6	COMPASS	SB7	X1-1R		COMPASS	7250	A	
7	COMPASS	NZ	B7,ECH1	LOOP TO END OF ECHO	COMPASS	7251	A	
8	COMPASS	SA2	O.MARDIS		COMPASS	7252		I
9	-CMP029							
10	COMPASS	SA3	P1TEMPA	FORMAL PARAMETER COUNT	COMPASS	7253		I
11	-CMP029							
12	COMPASS	SA4	L.MARDIS		COMPASS	7254		I
13	-CMP029							
14	COMPASS	IX2	X2+X4		COMPASS	7255		I
15	-CMP029							
16	COMPASS	IX2	X2-X3		COMPASS	7256		I
17	-CMP029							
18	COMPASS	MX0	42		COMPASS	7257		I
19	-CMP029							
20	COMPASS	SB6	B0		COMPASS	7258		I
21	-CMP029							
22	COMPASS	SB7	X3		COMPASS	7259		I
23	-CMP029							
24	COMPASS	MX5	1		COMPASS	7260		I
25	-CMP029							
26	COMPASS	SB5	10		COMPASS	7261		I
27	-CMP029							
28	COMPASS	ECH4	SA1	X2+B6	COMPASS	7262		I
29	-CMP029			MOVE FORMAL NAMES TO RELVEC				
30	COMPASS	BX6	X0*X1		COMPASS	7263		I
31	-CMP029							
32	COMPASS	LX6	-18		COMPASS	7264		I
33	-CMP029							
34	COMPASS	SX7	X1		COMPASS	7265		I
35	-CMP029							
36	COMPASS	SA6	RELVEC+B6		COMPASS	7266		I
37	-CMP029							
38	COMPASS	SB6	B6+B1		COMPASS	7267		I
39	-CMP029							
40	COMPASS	BX6	X7		COMPASS	7268		I
41	-CMP029							
42	COMPASS	LX7	18		COMPASS	7269		I
43	-CMP029							
44	COMPASS	IX7	X6+X7		COMPASS	7270		I
45	-CMP029							
46	COMPASS	BX7	X5+X7		COMPASS	7271		I
47	-CMP029							
48	COMPASS	PX7	X7,B5		COMPASS	7272		I
49	-CMP029							
50	COMPASS	SA7	A1		COMPASS	7273		I
51	-CMP029							
52								
53	0	1	2	3	4	5	6	7
54	1234567890123456789012345678901234567890123456789012345678901234567890							
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	LT	B6,B7,ECH4	LOOP	COMPASS	7274	I		
COMPASS	-CMP029	SX6	B1	COMPASS	7275	I		
COMPASS	-CMP029	SX6	B1	COMPASS	7276	A		
COMPASS	ECH4	SA6	TXTFLG	COMPASS	7277	A		
COMPASS		RJ	CRL	COMPASS	7278	A		
COMPASS		RJ	CWI	COMPASS	7279	I		
COMPASS	ECH5	RJ	INPUT1	COMPASS	7280	A		
COMPASS		NZ	X1,ECH11	COMPASS	7281	A		
COMPASS	-CMP029	NZ	X1,ECH9	COMPASS	7282	A		
COMPASS		RJ	SETUP	COMPASS	7283	A		
COMPASS		SA1	=0REND	COMPASS	7284	A		
COMPASS		RJ	PEC	COMPASS	7285	A		
COMPASS		RJ	PDC	COMPASS	7286	A		
COMPASS		PCARD	TEMTAB	COMPASS	7287	A		
COMPASS		SA2	EXVAL	COMPASS	7288	A		
COMPASS		SX6	X2-1	COMPASS	7289	A		
COMPASS		SA6	A2	COMPASS	7290	A		
COMPASS		ZR	X6,ECH6	COMPASS	7291	A		
COMPASS		PL	X6,ECH5	COMPASS	7292	I		
COMPASS		SA1	P1TEMPD	COMPASS	7293	A		
COMPASS		ZR	X1,ECH5	COMPASS	7294	A		
COMPASS	ECH6	SX1	1RT	COMPASS	7295	I		
COMPASS	-CMP029	SA1	P1TEMPA	COMPASS	7296	A		
COMPASS	ECH6	ZR	X1,ECH8	COMPASS	7297	A		
COMPASS		SA2	0.MARDIS	COMPASS	7298	A		
COMPASS		SA3	L.MARDIS	COMPASS	7299	A		
COMPASS		SA4	0.MARGS	COMPASS	7300	I		
COMPASS	-CMP165	IX2	X2+X3	COMPASS	7301	A		
COMPASS		SB2	X1	COMPASS	7302	A		
COMPASS		SB3	X2	COMPASS	7303	A		
COMPASS		SB4	X4	COMPASS	7304	I		
COMPASS	-CMP165	MX0	6	COMPASS	7305	I		
COMPASS	-CMP165	SA1	B3-B2	COMPASS	7306	A		
COMPASS	ECH7	SB2	B2-B1	COMPASS	7307	A		
COMPASS		SA2	X1+B4	COMPASS	7308	I		
COMPASS	-CMP165	BX6	X0*X2	COMPASS	7309	I		
COMPASS	-CMP165	ZR	X6,ECH8	COMPASS	7310	I		
COMPASS	-CMP165	UX6,B7	X1	COMPASS	7311	A		
COMPASS		ZR	B7,ECH8	COMPASS	7312	A		
COMPASS		NZ	B2,ECH7	COMPASS	7313	A		
COMPASS		SX1	1RT	COMPASS	7314	A		
COMPASS		LX1	-6	COMPASS	7315	A		
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	ADDWORD	TEMTAB	COMPASS	7294	A
COMPASS	SA1	L.TEMTAB	COMPASS	7295	A
COMPASS	MANAGE	ECHTAB,X1	COMPASS	7296	A
COMPASS	SA1	L.TEMTAB	COMPASS	7297	A
COMPASS	IX2	X2+X3	COMPASS	7298	A
COMPASS	IX3	X2-X1	COMPASS	7299	A
COMPASS	SA2	O.TEMTAB	COMPASS	7300	A
COMPASS	RJ	MOVE	COMPASS	7301	A
COMPASS	RJ	ASU	CMP042	122	A
COMPASS	MX7	0	COMPASS	7302	A
COMPASS	SA7	TXTFLG	COMPASS	7303	A
COMPASS	SA7	L.TEMTAB	COMPASS	7304	A
COMPASS	SA1	P1TEMPB	COMPASS	7305	A
COMPASS	SX2	5	COMPASS	7306	A
COMPASS	SX1	X1	COMPASS	7307	A
COMPASS	BX3	X1	COMPASS	7308	A
COMPASS	SA4	=6R*ECHO*	COMPASS	7309	A
COMPASS	MX5	0	COMPASS	7310	A
COMPASS	RJ	PUSHDOWN	COMPASS	7311	A
COMPASS	SA1	O.STACK	COMPASS	7312	A
COMPASS	SA2	L.STACK	COMPASS	7313	A
COMPASS	IX1	X1+X2	COMPASS	7314	A
COMPASS	SA2	X1-3	COMPASS	7315	A
COMPASS	SA1	P1TEMPB	COMPASS	7316	A
COMPASS	MX0	-36	COMPASS	7317	A
COMPASS	AX1	18	COMPASS	7318	A
COMPASS	BX6	X0*X2	COMPASS	7319	A
COMPASS	IX6	X6+X1	COMPASS	7320	A
COMPASS	SA6	A2	COMPASS	7321	A
COMPASS	SX6	B1	COMPASS	7322	A
COMPASS	SA6	ECHFLG	COMPASS	7323	A
COMPASS	EQ	CTL100	COMPASS	7324	I
COMPASS	-CMP029		COMPASS	7325	I
COMPASS	-CMP029		COMPASS	7326	I
COMPASS	*	ENTRY ON BAD ECHO DEFINITION.	COMPASS	7327	I
COMPASS	-CMP029		COMPASS	7328	I
COMPASS	-CMP029		COMPASS	7329	I
COMPASS	ECH7	SX6 B1	COMPASS	7330	I
COMPASS	-CMP029		COMPASS	7331	I
COMPASS	SA6	EFLG	COMPASS	7332	I
COMPASS	-CMP029		COMPASS	7333	I
COMPASS	SA6	W5ERR	COMPASS	7334	I
COMPASS	-CMP029				
COMPASS	ECH8	SA1 =0REND			
COMPASS	-CMP029				
COMPASS	RJ	PEC			
COMPASS	-CMP029				
COMPASS	SA2	EXVAL			
COMPASS	-CMP029				
COMPASS	SX6	X2-1			
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP029

COMPASS	-CMP029	SA6	A2		COMPASS	7335	I
COMPASS	-CMP029	ZR	X6,ECH10	IF END OF LINE COUNT	COMPASS	7336	I
COMPASS	-CMP029	PL	X6,ECH9	IF IN LINE COUNT CONTROL	COMPASS	7337	I
COMPASS	-CMP029	SA1	P1TEMPD		COMPASS	7338	I
COMPASS	-CMP029	NZ	X1,ECH10	IF END OF ECHO FOUND	COMPASS	7339	I
COMPASS	-CMP029	RJ	INPUT1		COMPASS	7340	I
COMPASS	-CMP029	RJ	SETUP		COMPASS	7341	I
COMPASS	-CMP029	EQ	ECH8		COMPASS	7342	I
COMPASS	-CMP029	RJ	CWI		COMPASS	7343	I
COMPASS	-CMP029	MX7	0		COMPASS	7344	I
COMPASS	-CMP029	SA7	TXTFLG		COMPASS	7345	I
COMPASS	-CMP029	EQ	CTL100	RETURN	CMP029	56	A
COMPASS					CMP029	57	A
COMPASS	*	ENTRY ON NO PARAMETERS OR AT LEAST ONE NULL ARGUMENT.			CMP029	58	A
COMPASS					CMP029	59	A
COMPASS	ECH8	SA1	P1TEMPB	RESTORE TABLE LENGTHS	CMP029	60	I
COMPASS	-CMP042	RJ	ASU	ACCUMULATE STORAGE USED	CMP042	123	A
COMPASS	ECH8	SA1	P1TEMPB	RESTORE TABLE LENGTHS	CMP042	124	A
COMPASS		AX1	18		CMP029	61	A
COMPASS		SX6	X1		CMP029	62	A
COMPASS		AX1	18		CMP029	63	A
COMPASS		SX7	X1		CMP029	64	A
COMPASS		SA6	L.MARDIS		CMP029	65	A
COMPASS		SA7	L.MARGS		CMP029	66	A
COMPASS		BX6	X6-X6		CMP029	67	A
COMPASS		SA6	L.TEMTAB	CLEAR TEMTAB	CMP029	68	A
COMPASS		SA6	TXTFLG	CLEAR TEXT FLAG	CMP029	69	A
COMPASS		EQ	CTL100	RETURN	COMPASS	7346	A
COMPASS					COMPASS	7347	A
COMPASS	*	ENTRY ON ILLEGAL NESTING OF ECHO.			COMPASS	7348	A
COMPASS					COMPASS	7349	A
COMPASS	ECH11	MX7	0	CLEAR TEXT	COMPASS	7350	I
COMPASS	-CMP029						
COMPASS	ECH9	MX7	0	CLEAR TEXT FLAG	CMP029	70	I
COMPASS	-CMP042						
COMPASS	ECH9	RJ	ASU	ACCUMULATE STORAGE USED	CMP042	125	A
COMPASS		MX7	0	CLEAR TEXT FLAG	CMP042	126	A
COMPASS		SA7	TXTFLG		CMP042	127	A
COMPASS		SX6	B1	SET *E* ERROR	COMPASS	7351	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA7	L.TEMTAB	COMPASS	7352	A
COMPASS	SA6	EFLG	COMPASS	7353	A
COMPASS	SA1	P1TEMPB	COMPASS	7354	A
COMPASS	SA6	EERR	COMPASS	7355	A
COMPASS	SA2	L.MARDIS	COMPASS	7356	A
COMPASS	AX1	18	COMPASS	7357	A
COMPASS	SX6	X1	COMPASS	7358	A
COMPASS +	IX5	X2-X6	COMPASS	7359	A
COMPASS	PL	X5,*+1 IF MARDIS WAS NOT PUSHED UP	COMPASS	7360	A
COMPASS	SX6	X2	COMPASS	7361	A
COMPASS	SA6	A2 PUSHUP MARDIS	COMPASS	7362	A
COMPASS	SA2	L.MARGS	COMPASS	7363	A
COMPASS	AX1	18	COMPASS	7364	A
COMPASS +	IX5	X2-X1	COMPASS	7365	A
COMPASS	PL	X5,*+1 IF MARGS WAS NOT PUSHED UP	COMPASS	7366	A
COMPASS	SX1	X2	COMPASS	7367	A
COMPASS	BX6	X1 PUSHUP MARGS	COMPASS	7368	A
COMPASS	SA6	A2	COMPASS	7369	A
COMPASS	EQ	CTL105 PROCESS CARD	COMPASS	7370	A
COMPASS ECHO	SPACE	4	COMPASS	7371	A
COMPASS **	ECHO	- DUPLICATE CODE.	COMPASS	7372	A
COMPASS			COMPASS	7373	A
COMPASS			COMPASS	7374	A
COMPASS	QUAL	PASS2	COMPASS	7375	A
COMPASS ECHO	EQU	ZLIST	COMPASS	7376	A
COMPASS EJECT	SPACE	4	COMPASS	7377	A
COMPASS ***	EJECT	- START NEW PAGE.	COMPASS	7378	A
COMPASS *			COMPASS	7379	A
COMPASS *			COMPASS	7380	A
COMPASS *NAME	EJECT		COMPASS	7381	A
COMPASS *	A NEW PAGE IS STARTED AND (NAME) IS THE NEW SUB-SUBTITLE.		COMPASS	7382	A
COMPASS			COMPASS	7383	A
COMPASS			COMPASS	7384	A
COMPASS	QUAL	PASS1	COMPASS	7385	A
COMPASS EJECT	EQU	CTL300	COMPASS	7386	A
COMPASS EJECT	SPACE	4	COMPASS	7387	A
COMPASS **	EJECT	- START NEW PAGE.	COMPASS	7388	A
COMPASS			COMPASS	7389	A
COMPASS			COMPASS	7390	A
COMPASS	QUAL	PASS2	COMPASS	7391	A
COMPASS EJECT	RJ	ZTLIST TEST FOR LISTINGS IN FORCE	COMPASS	7392	A
COMPASS	SX6	B1	COMPASS	7393	A
COMPASS	SA1	LPCNT CAUSE PAGE EJECT	COMPASS	7394	A
COMPASS	SA2	PSIZE	COMPASS	7395	I
COMPASS -CPSA181					
COMPASS	SA2	NEJF *N* CONTROLLED PAGE SIZE	CPSA181	19	A
COMPASS	SA6	CTYPE	COMPASS	7396	A
COMPASS	IX7	X1+X2	COMPASS	7397	A
COMPASS	SA7	A1	COMPASS	7398	A
COMPASS	EQ	ZLIST	COMPASS	7399	A
COMPASS ELSE	SPACE	4	COMPASS	7400	A
COMPASS ***	ELSE	- UNCONDITIONALLY SKIP/ASSEMBLE CODE.	COMPASS	7401	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS028

1	COMPASS	-CPS028	MX6	0		CMP30	2743		I
2	COMPASS	-CPS028							
3	COMPASS		SA7	L.MICTAB		COMPASS	7494	A	
4	COMPASS		SA6	L.MACDEF		COMPASS	7495	A	
5	COMPASS		SA1	L.OPTAB	CLEAN OUT INSERTIONS FROM OPTAB BY	COMPASS	7496		I
6	COMPASS	-CMP30							
7	COMPASS		ZR	X2,END2	IF NOT LAST ASSEMBLY OF BATCH	CMP30	2744	A	
8	COMPASS		MX6	0		CMP30	2745	A	
9	COMPASS		SA7	L.SSYMS	CLEAR SYSTEM TEXT TABLES	CMP30	2746	A	
10	COMPASS		SA6	A6		CMP30	2747	A	
11	COMPASS		SA7	L.SYSMIC		CMP30	2748	A	
12	COMPASS		SA6	SSTCNT		CMP30	2749	A	
13	COMPASS	END4	SA7	L.OPTAB	CLEAR OPCODE TABLE	CMP30	2750	A	
14	COMPASS		EQ	END5A		CMP30	2751	A	
15	COMPASS	END2	SA1	LCMOPC		CMP30	2752	A	
16	COMPASS		NZ	X1,END4	IF OPCODE TABLE IS IN LCM	CMP30	2753	A	
17	COMPASS		SA1	L.OPTAB	CLEAN OUT INSERTIONS FROM OPTAB BY	CMP30	2754	A	
18	COMPASS		MANAGE	DUPTAB,X1	RE-DOING IT	COMPASS	7497	A	
19	COMPASS		BX1	X3		COMPASS	7498	A	
20	COMPASS		LX3	X2		COMPASS	7499	A	
21	COMPASS		SA2	O.OPTAB		COMPASS	7500	A	
22	COMPASS		RJ	MOVE		COMPASS	7501	A	
23	COMPASS		RJ	ASU	ACCUMULATE STORAGE USED	CMP30	2755	A	
24	COMPASS		SA2	O.OPTAB		COMPASS	7502	A	
25	COMPASS		SX6	2*NOPCT		COMPASS	7503	A	
26	COMPASS		MX1	0		COMPASS	7504		I
27	COMPASS	-CMP30							
28	COMPASS		IX3	X6+X2		COMPASS	7505	A	
29	COMPASS		SA6	L.OPTAB		COMPASS	7506	A	
30	COMPASS		RJ	PRESET	CLEAR OPERATION CODE TABLE	COMPASS	7507		I
31	COMPASS	-CMP30							
32	COMPASS		MX6	0		COMPASS	7508		I
33	COMPASS	-CMP30							
34	COMPASS		SA6	P1TEMP		COMPASS	7509		I
35	COMPASS	-CMP30							
36	COMPASS		RJ	CLS	CLEAR OPCODE TABLE	CMP30	2756	A	
37	COMPASS	END5	SA1	+P1TEMP		COMPASS	7510		I
38	COMPASS	-CMP64G							
39	COMPASS		SX6	X1+2		COMPASS	7511		I
40	COMPASS	-CMP64G							
41	COMPASS		SA2	O.DUPTAB		COMPASS	7512		I
42	COMPASS	-CMP64G							
43	COMPASS		IX0	X1+X2		COMPASS	7513		I
44	COMPASS	-CMP64G							
45	COMPASS		MX5	12		COMPASS	7514		I
46	COMPASS	-CMP64G							
47	COMPASS		SA6	A1		COMPASS	7515		I
48	COMPASS	-CMP64G							
49	COMPASS		SA1	X0		COMPASS	7516		I
50	COMPASS	-CMP64G							
51	COMPASS		SA2	X0+B1		COMPASS	7517		I

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP64G

1	COMPASS	-CMP64G	MX0	3		COMPASS	7518	I	1
2									2
3	COMPASS	-CMP64G	BX3	X0*X2		COMPASS	7519	I	3
4		-CMP64G							4
5	COMPASS	-CMP64G	IX4	X3-X0		COMPASS	7520	I	5
6		-CMP64G							6
7	COMPASS	-CMP64G	BX1	-X5*X1		COMPASS	7521	I	7
8		-CMP64G							8
9	COMPASS	-CMP64G	ZR	X1,END5A	IF ZERO WORD	COMPASS	7522	I	9
10		-CMP64G							10
11	COMPASS	-CMP64G	ZR	X4,END5A	IF PROGRAMMER MACRO	COMPASS	7523	I	11
12		-CMP64G							12
13	COMPASS	-CMP64G	BX4	X2		COMPASS	7524	I	13
14		-CMP64G							14
15	COMPASS	-CMP64G	LX4	12		COMPASS	7525	I	15
16		-CMP64G							16
17	COMPASS	-CMP64G	NG	X4,END5A	IF DEFINED BY OPSYN	COMPASS	7526	I	17
18		-CMP64G							18
19	COMPASS	-CMP64G	RJ	ENTOP		COMPASS	7527	I	19
20		-CMP64G							20
21	COMPASS	END5A	SA1	P1TEMP		COMPASS	7528	I	21
22		-CMP64G							22
23	COMPASS	-CMP64G	SA2	L.DUPTAB		COMPASS	7529	I	23
24		-CMP64G							24
25	COMPASS	-CMP64G	BX6	X1-X2		COMPASS	7530	I	25
26		-CMP64G							26
27	COMPASS	-CMP64G	NZ	X6,END5		COMPASS	7531	I	27
28		-CMP64G							28
29	COMPASS	-CMP64G	SA6	A2		COMPASS	7532	I	29
30		-CMP64G	-CMP042						30
31	COMPASS	-CMP64G	RJ	ASU	ACCUMULATE STORAGE USED	CMP042	128	I	31
32		-CMP64G							32
33	COMPASS	-CMP64G	MX6	0		CMP042	129	I	33
34		-CMP64G							34
35	COMPASS	-CMP64G	SA6	L.DUPTAB		CMP042	130	I	35
36		-CMP64G							36
37	COMPASS	-CMP64G	SX1	2*NCARDS	RESTORE SEQUENCE FIELDS	COMPASS	7533	I	37
38		-CMP64G							38
39	COMPASS	-CMP64G	SB7	57		CMP64G	110	A	39
40	COMPASS	END5	SA5	P1TEMP	FIND NEXT ENTRY	CMP64G	111	I	40
41		-CMP30							41
42	COMPASS	-CMP30	SA2	L.DUPTAB		CMP64G	112	I	42
43		-CMP30							43
44	COMPASS	-CMP30	SA3	0.DUPTAB		CMP64G	113	I	44
45		-CMP30							45
46	COMPASS	-CMP30	SX6	X5+2		CMP64G	114	I	46
47		-CMP30							47
48	COMPASS	-CMP30	BX4	X5-X2		CMP64G	115	I	48
49		-CMP30							49
50	COMPASS	-CMP30	IX0	X5+X3		CMP64G	116	I	50
51		-CMP30							51

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1412THE

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA1	X0	LOAD	OPCODE	ENTRY	CMP64G	117	I
COMPASS	-CMP30	SA2	X0+B1			CMP64G	118	I
COMPASS	END5	SA3	O.DUPTAB			CMP30	2757	A
COMPASS		SA4	L.DUPTAB			CMP30	2758	A
COMPASS		SX6	X3+2			CMP30	2759	A
COMPASS		SX7	X4-2			CMP30	2760	A
COMPASS		SA1	X3	LOAD	OPCODE ENTRY	CMP30	2761	A
COMPASS		SA2	X3+B1			CMP30	2762	A
COMPASS		MX5	12			CMP64G	119	A
COMPASS		BX3	-X5*X1			CMP64G	120	A
COMPASS		ZR	X4,END5A	IF	END OF TABLE	CMP64G	121	A
COMPASS		SA6	A3			CMP30	2763	A
COMPASS		SA7	A4			CMP30	2764	A
COMPASS		AX4	X2,B7			CMP64G	122	A
COMPASS		SX0	B1			CMP64G	123	A
COMPASS		BX5	X4+X0			CMP64G	124	A
COMPASS		SA6	A5			CMP64G	125	I
COMPASS	-CMP30	LX2	59-47			CMP64G	126	A
COMPASS	+	NZ	X5,*+1	IF	NOT A MACRO	CMP64G	127	A
COMPASS		LX2	47-57			CMP64G	128	A
COMPASS	+	ZR	X3,END5	IF	ZERO WORD	CMP64G	129	A
COMPASS		MI	X2,END5	IF	PROGRAMMER DEFINED	CMP64G	130	A
COMPASS		BX1	X3			CMP64G	131	A
COMPASS		SA2	A2			CMP64G	132	A
COMPASS		RJ	ENTOP	ENTER	OPCODE TABLE	CMP64G	133	A
COMPASS		SB7	57			CMP64G	134	A
COMPASS		EQ	END5			CMP64G	135	A
COMPASS	END5A	SX1	2*NCARDS	RESTORE	SEQUENCE FIELDS	CMP64G	136	A
COMPASS		SX2	ENDSEQ			COMPASS	7534	A
COMPASS		SX3	SEQ			COMPASS	7535	A
COMPASS		RJ	MOVE			COMPASS	7536	A
COMPASS		RJ	DSL	DEFINE	SYMBOL LITERALS	COMPASS	7537	A
COMPASS		SA1	UI+1	RELOCATE	USE TABLE	COMPASS	7538	A
COMPASS		RJ	RUT			COMPASS	7539	A
COMPASS		BX6	X0	PROGRAM	LENGTH	COMPASS	7540	A
COMPASS		LX6	39	EXTEND	SIGN	COMPASS	7541	A
COMPASS		AX6	39			COMPASS	7542	A
COMPASS		SA6	ENDP			COMPASS	7543	A
COMPASS		SA6	ORGCTR			COMPASS	7544	A
COMPASS		MX6	0			COMPASS	7545	A
COMPASS		SA6	A6+B1			COMPASS	7546	A
COMPASS		LX2	X0			COMPASS	7547	A
COMPASS		SA5	ABSFG			COMPASS	7548	A
COMPASS		SX3	B1+B1			COMPASS	7549	A
COMPASS		IX3	X3-X5			COMPASS	7550	A
COMPASS		IX6	X3-X5			COMPASS	7551	A
COMPASS		SA6	A6+B1			COMPASS	7552	A
COMPASS		SX4	0			COMPASS	7553	A
COMPASS		IX5	X5-X5			COMPASS	7554	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	RJ	YDEFLOC	DEFINE END CARD LOCATION SYMBOL	COMPASS	7555	A	
COMPASS	RJ	RST	RELOCATE SYMBOL TABLE	COMPASS	7556	A	
COMPASS	SA1	L.SYMTAB	UNDEFINE SET SYMBOLS	COMPASS	7557		I
-CPSA246							
COMPASS	SA2	O.SYMTAB		COMPASS	7558		I
-CPSA246							
COMPASS	SA5	=7777770030BS30		COMPASS	7559		I
-CMP19	-CPSA246						
COMPASS	SA5	=7777770070BS30		CMP19	107		I
-CPSA246							
COMPASS	SB7	X1		COMPASS	7560		I
-CPSA246							
COMPASS	SA1	X2-1		COMPASS	7561		I
-CP096A	-CPSA246						
COMPASS	SB6	-33+59		COMPASS	7562		I
-CP096A	-CPSA246						
COMPASS	SB2	B1+B1		COMPASS	7563		I
-CPSA246							
COMPASS	SB6	59-33		CP096A	347		I
-CPSA246							
COMPASS	SX2	X2+B1		CP096A	348		I
-CPSA246	-CPS211						
COMPASS	SX2	X2-1		CPS211	5		I
-CPSA246							
COMPASS	END6	SB7	B7-B2	COMPASS	7564		I
-CPSA246							
COMPASS	SX2	X2+B2		CPS211	6		I
-CPSA246							
COMPASS	SA1	A1+B2		COMPASS	7565		I
-CP096A	-CPSA246						
COMPASS	RX1	X2		CP096A	349		I
-CPSA246							
COMPASS	NG	B7,END7	IF END OF SYMBOL TABLE	COMPASS	7566		I
-CPSA246							
COMPASS	LX6	X1,B6		COMPASS	7567		I
-CPSA246							
COMPASS	PL	X6,END6	IF NOT REDEFINABLE	COMPASS	7568		I
-CPSA246							
COMPASS	BX6	X5*X1		COMPASS	7569		I
-CPSA246							
COMPASS	SA6	A1		COMPASS	7570		I
-CP096A	-CPSA246						
COMPASS	WX6	X2		CP096A	350		I
-CPSA246							
COMPASS	SX2	X2+B2		CP096A	351		I
-CPSA246	-CPS211						
COMPASS	EQ	END6	LOOP	COMPASS	7571		I
-CPSA246							
COMPASS	END7	SA1	L.SEGTAB	COMPASS	7572	A	
COMPASS	SA2	SI		COMPASS	7573	A	
COMPASS	IX7	X1-X2		COMPASS	7574	A	
COMPASS	SX7	X7-4		COMPASS	7575	A	
0	1	2	3	4	5	6	7
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	+	NZ	X7,*+1	IF SEGMENT CARDS	COMPASS	7576	A	
1	COMPASS		RJ	RSL	RECORD SEGMENT LENGTH	COMPASS	7577	A	
2	COMPASS		RJ	AVO	ADVANCE OVERLAY	COMPASS	7578	A	
3	COMPASS		RJ	RSS	RECORD SEGMENT START	COMPASS	7579	A	
4	COMPASS		RJ	RSL	RECORD SEGMENT LENGTH	COMPASS	7580	A	
5	COMPASS		RJ	RSG	RELOCATE SEGMENT TABLE	COMPASS	7581	A	
6	COMPASS		RJ	WINTER		COMPASS	7582	A	
7	COMPASS		RJ	RCD	RESTORE CHARACTER DATA	CPS011	72	A	
8	COMPASS		MX6	0		COMPASS	7583	A	
9	COMPASS		SA6	EFLG	CLEAR ERROR FLAGS THAT MAY	CMP22	1	A	
10	COMPASS		SA6	W1ERR	HAVE BEEN SET BY *DSL*	CMP22	2	A	
11	COMPASS					CMP30	2765	A	
12	COMPASS		IFNE	CP#RM,0,3		CMP30	2766	A	
13	COMPASS		SA1	INTERIO		CMP30	2767	A	
14	COMPASS		NZ	X1,END8	IF INTERMEDIATE ON DISK	CMP30	2768	A	
15	COMPASS		ADDWORD	INTER	ADD A JUNK WORD TO INTERMEDIATE FOR READ	CMP30	2769	A	
16	COMPASS					CMP30	2770	A	
17	COMPASS		SA6	L.DUPTAB		COMPASS	7584	I	
18		-CMP042							
19	COMPASS		SA1	INTERIO		COMPASS	7585	A	
20	COMPASS		ZR	X1,END3	IF NO DISK INTERMEDIATE	COMPASS	7586	A	
21	COMPASS					CMP30	2771	A	
22	COMPASS		IFEQ	CP#RM,0,3		CMP30	2772	A	
23	COMPASS		WRITER	S	COMPLETE SCRATCH	COMPASS	7587	A	
24	COMPASS		REWIND	S		COMPASS	7588	A	
25	COMPASS		ELSE	2		CMP30	2773	A	
26	COMPASS	END8	PUT	S,P1TEMPA,10	JUNK WORD FOR RINTER READ AHEAD	CMP30	2774	A	
27	COMPASS		REWINDM	S		CMP30	2775	A	
28	COMPASS					CMP30	2776	A	
29	COMPASS	END3	EQ	EXITP1	EXIT FROM PASS1	COMPASS	7589	I	
30		-F4810B							
31	COMPASS	END3	RJ	DFL	DECREASE FL TO LWA TABLES+FLINC	F4810B	F4810B	289	I
32		-CPSA125							
33	COMPASS	END3	BSS	0		CPSA125	73	A	
34	COMPASS		SA1	/DATA/STCW	RESET CHARACTER STORE FOR 6-BIT/NON-ASCII	CPSA293	85	A	
35	COMPASS		BX6	X1		CPSA293	86	A	
36	COMPASS		SA6	/DATA/STC0	*** SAFE CODE-MODIFICATION ***	CPSA293	87	A	
37	COMPASS		EQ	EXITP1	EXIT FROM PASS 1	F4810B	F4810B	290	A
38	COMPASS					COMPASS	7590	I	
39		-CMP30							
40	COMPASS	ENDSEQ	BSS	2*NCARDS	SAVE SEQUENCE FIELDS	COMPASS	7591	I	
41		-CMP30							
42	COMPASS	END	SPACE	4		COMPASS	7592	A	
43	COMPASS	**	END	-	END OF SUBPROGRAM.	COMPASS	7593	A	
44	COMPASS					COMPASS	7594	A	
45	COMPASS					COMPASS	7595	A	
46	COMPASS		QUAL	PASS2		COMPASS	7596	A	
47	COMPASS	END	SA5	STYPE	CHECK WHOSE END CARD THIS IS	COMPASS	7597	A	
48	COMPASS		SB7	X5-1RE		COMPASS	7598	A	
49	COMPASS		NZ	B7,ZLIST	IF NOT OURS	COMPASS	7599	A	
50	COMPASS					CMP30	2777	A	
51	COMPASS	RM	IFEQ	CP#RM,0		CMP30	2778	A	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

1	COMPASS	REWIND S	COMPASS	7600	A	
2	COMPASS	RJ ZFUALL	COMPASS	7601	I	
3	COMPASS	-CMP30 RM ELSE	CMP30	2779	A	
4	COMPASS	SA1 INTERIO	CMP30	2780	A	
5	COMPASS	ZR X1,ZEND0	CMP30	2781	A	
6	COMPASS	REWINDM S	CMP30	2782	A	
7	COMPASS	RM ENDIF	CMP30	2783	A	
8	COMPASS		CMP30	2784	A	
9	COMPASS	ZEND0 RJ ZFUALL	CMP30	2785	A	
10	COMPASS	RJ PLT	CMP17	11	A	
11	COMPASS	SA1 ABSFG	COMPASS	7602	A	
12	COMPASS	SA2 ENDP	COMPASS	7603	A	
13	COMPASS	SA3 UI+1	COMPASS	7604	A	
14	COMPASS	BX6 X2	COMPASS	7605	A	
15	COMPASS	IX7 X3-X1	COMPASS	7606	A	
16	COMPASS	SA6 ORGCTR	COMPASS	7607	A	
17	COMPASS	SX7 X7+B1	COMPASS	7608	A	
18	COMPASS	SA7 A6+B1	COMPASS	7609	A	
19	COMPASS	SA6 LOCCTR	COMPASS	7610	A	
20	COMPASS	SA7 A6+B1	COMPASS	7611	A	
21	COMPASS	MX1 0	COMPASS	7612	A	
22	COMPASS	RJ ZPRLOC	COMPASS	7613	A	
23	COMPASS	RJ SCLIST	COMPASS	7614	A	
24	COMPASS	SA1 ABSFG	COMPASS	7615	A	
25	COMPASS	NZ X1,ZEND1	COMPASS	7616	A	
26	COMPASS	RJ VFYLINK	COMPASS	7617	A	
27	COMPASS	SA6 LOCSYM	COMPASS	7618	A	
28	COMPASS	ZR X7,ZEND1	COMPASS	7619	I	
29	COMPASS	-CPS002				
30	COMPASS	ZR X6,ZEND1	COMPASS	7620	I	
31	COMPASS	-CPS002				
32	COMPASS	MX6 0	COMPASS	7621	I	
33	COMPASS	-CPS002				
34	COMPASS	SX7 B1	COMPASS	7622	I	
35	COMPASS	-CPS002				
36	COMPASS	SA6 A6	COMPASS	7623	I	
37	COMPASS	-CPS002				
38	COMPASS	ZR X7,ZEND1	S002 43 CPS002	33	A	
39	COMPASS	SX7 B1	S002 44 CPS002	34	A	
40	COMPASS	SA7 AERR	COMPASS	7624	A	
41	COMPASS	SA7 EFLG	COMPASS	7625	A	
42	COMPASS	ZEND1 RJ LISTER	COMPASS	7626	I	
43	COMPASS	-CMP057				
44	COMPASS	ZEND1 RJ LIST2L	P057 7 CMP057	1	A	
45	COMPASS	MX6 0	CMP042	131	I	
46	COMPASS	-CMP057				
47	COMPASS	SA6 DETFLG	CMP042	132	I	
48	COMPASS	-CMP057				
49	COMPASS	MX6 0	P057 9 CMP057	2	A	
50	COMPASS	SA6 L.INTER	CMP042	133	A	
51	COMPASS	MX6 0	COMPASS	7627	I	

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP17

1	COMPASS	-CMP17	SA6	DETFLG	COMPASS	7628	I	1
2		-CMP17						2
3	COMPASS		SA6	DLFLG	COMPASS	7629	I	3
4		-CMP17						4
5	COMPASS		SA6	SUBNAME	COMPASS	7630	I	5
6		-CMP17						6
7	COMPASS		SX6	B1	COMPASS	7631	I	7
8		-CMP17						8
9	COMPASS		SA6	PLFLG	COMPASS	7632	I	9
10		-CMP17						10
11	COMPASS		RJ	LISTER	COMPASS	7633	I	11
12		-CMP17						12
13	COMPASS		SX6	LINE+9*NCARDS	COMPASS	7634	I	13
14		-CMP17						14
15	COMPASS		SA6	LLINE	COMPASS	7635	I	15
16		-CMP17						16
17	COMPASS				COMPASS	7636	I	17
18		-CMP17						18
19	COMPASS	*		LIST OUT LITERALS.	COMPASS	7637	I	19
20		-CMP17						20
21	COMPASS				COMPASS	7638	I	21
22		-CMP17						22
23	COMPASS		SA1	L.LITAB	COMPASS	7639	I	23
24		-CMP17						24
25	COMPASS		ZR	X1,ZEND10 IF NOT LITERALS	COMPASS	7640	I	25
26		-CMP17						26
27	COMPASS		SA1	=H+LITERALS+	COMPASS	7641	I	27
28		-CMP17						28
29	COMPASS		BX6	X1	COMPASS	7642	I	29
30		-CMP17						30
31	COMPASS		SA6	LINE	COMPASS	7643	I	31
32		-CMP17						32
33	COMPASS		RJ	LISTER	COMPASS	7644	I	33
34		-CMP17						34
35	COMPASS		RJ	LISTER	COMPASS	7645	I	35
36		-CMP17						36
37	COMPASS		MX6	0	COMPASS	7646	I	37
38		-CMP17						38
39	COMPASS		SA6	P2TEMP	COMPASS	7647	I	39
40		-CMP17						40
41	COMPASS		SA1	0.USETAB FIND ORIGIN OF LITERAL TABLE	COMPASS	7648	I	41
42		-CMP17						42
43	COMPASS		SA2	X1+14	COMPASS	7649	I	43
44		-CMP17						44
45	COMPASS		MX0	39	COMPASS	7650	I	45
46		-CMP17						46
47	COMPASS		BX6	-X0*X2	COMPASS	7651	I	47
48		-CMP17						48
49	COMPASS		SA6	ORGCTR	COMPASS	7652	I	49
50		-CMP17						50
51	COMPASS	ZEND4	SA1	P2TEMP	COMPASS	7653	I	51

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123456789012345678901234567890123456789012345678901234567890

1412THE

LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP17

1	COMPASS	-CMP17	SA2	O.LITAB	COMPASS	7654	I	1
2		-CMP17						2
3	COMPASS		IX3	X1+X2	COMPASS	7655	I	3
4		-CMP17						4
5	COMPASS		SX6	X1+B1	COMPASS	7656	I	5
6		-CMP17						6
7	COMPASS		SA6	A1	COMPASS	7657	I	7
8		-CMP17						8
9	COMPASS		SA1	X3	COMPASS	7658	I	9
10		-CMP17						10
11	COMPASS		BX6	X1	COMPASS	7659	I	11
12		-CMP17						12
13	COMPASS		MX0	-6	COMPASS	7660	I	13
14		-CMP17						14
15	COMPASS		SX7	1R	COMPASS	7661	I	15
16		-CMP17						16
17	COMPASS		SB7	10	COMPASS	7662	I	17
18		-CMP17						18
19	COMPASS	+	BX4	-X0*X6	COMPASS	7663	I	19
20		-CMP17						20
21	COMPASS		NZ	X4,*+1 IF VALID CHARACTER	COMPASS	7664	I	21
22		-CMP17						22
23	COMPASS		BX6	X6+X7	COMPASS	7665	I	23
24		-CMP17						24
25	COMPASS	+	SB7	B7-B1	COMPASS	7666	I	25
26		-CMP17						26
27	COMPASS		LX6	6	COMPASS	7667	I	27
28		-CMP17						28
29	COMPASS		NZ	B7,*-1 LOOP	COMPASS	7668	I	29
30		-CMP17						30
31	COMPASS		SA6	LINE	COMPASS	7669	I	31
32		-CMP17						32
33	COMPASS		SX2	36	COMPASS	7670	I	33
34		-CMP17						34
35	COMPASS		SA4	MACHINE	COMPASS	7671	I	35
36		-CMP17						36
37	COMPASS		SX3	20	COMPASS	7672	I	37
38		-CMP17						38
39	COMPASS		ZR	X4,ZEND5	COMPASS	7673	I	39
40		-CMP17						40
41	COMPASS		SX2	25	COMPASS	7674	I	41
42		-CMP17						42
43	COMPASS		SX3	4	COMPASS	7675	I	43
44		-CMP17						44
45	COMPASS	ZEND5	RJ	PACK0	COMPASS	7676	I	45
46		-CMP17						46
47	COMPASS		SA1	ORGCTR PACK LOCATION VALUE	COMPASS	7677	I	47
48		-CMP17						48
49	COMPASS		SX6	X1+B1	COMPASS	7678	I	49
50		-CMP17						50
51	COMPASS		SX2	2+12	COMPASS	7679	I	51

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP17

1	COMPASS	-CMP17	SX3	6	COMPASS	7680	I	1
2		-CMP17						2
3	COMPASS		SA4	MACHINE	COMPASS	7681	I	3
4		-CMP17						4
5	COMPASS		LX5	X4,B1	COMPASS	7682	I	5
6		-CMP17						6
7	COMPASS		IX3	X3-X5	COMPASS	7683	I	7
8		-CMP17						8
9	COMPASS		SA6	A1	COMPASS	7684	I	9
10		-CMP17						10
11	COMPASS		RJ	PACK0	COMPASS	7685	I	11
12		-CMP17						12
13	COMPASS		RJ	LISTER	COMPASS	7686	I	13
14		-CMP17						14
15	COMPASS		SA1	P2TEMP	COMPASS	7687	I	15
16		-CMP17						16
17	COMPASS		SA2	L.LITAB	COMPASS	7688	I	17
18		-CMP17						18
19	COMPASS		BX3	X1-X2	COMPASS	7689	I	19
20		-CMP17						20
21	COMPASS		NZ	X3,ZEND4	COMPASS	7690	I	21
22		-CMP17						22
23	COMPASS				COMPASS	7691	I	23
24		-CMP17						24
25	COMPASS	*	LIST SYMBOL LITERALS WHICH WE DEFINED.		COMPASS	7692	I	25
26		-CMP17						26
27	COMPASS				COMPASS	7693	I	27
28		-CMP17						28
29	COMPASS	ZEND10	SA1	L.SLITS	COMPASS	7694	I	29
30		-CMP17						30
31	COMPASS		ZR	X1,ZEND20	COMPASS	7695	I	31
32		-CMP17						32
33	COMPASS		SX1	4	COMPASS	7696	I	33
34		-CMP17						34
35	COMPASS		SX2	=H+DEFAULT SYMBOLS DEFINED BY COMPASS+	COMPASS	7697	I	35
36		-CMP17						36
37	COMPASS		SX3	LINE	COMPASS	7698	I	37
38		-CMP17						38
39	COMPASS		RJ	MOVE	COMPASS	7699	I	39
40		-CMP17						40
41	COMPASS		RJ	LISTER	COMPASS	7700	I	41
42		-CMP17						42
43	COMPASS		RJ	LISTER	COMPASS	7701	I	43
44		-CMP17						44
45	COMPASS		MX6	0	COMPASS	7702	I	45
46		-CMP17						46
47	COMPASS		SA6	P2TEMP	COMPASS	7703	I	47
48		-CMP17						48
49	COMPASS		SX7	B1	COMPASS	7704	I	49
50		-CMP17						50
51	COMPASS		SA7	SUPREF	COMPASS	7705	I	51

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1412THE



- CMP17

14121HE

1

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP17

1	COMPASS		SA6	A1		COMPASS	7732		I
2		-CMP17							
3	COMPASS		NZ	X4,ZEND11		COMPASS	7733		I
4		-CMP17							
5	COMPASS		RJ	LISTER		COMPASS	7734		I
6		-CMP057							
7	COMPASS					CMP042	134	A	
8	COMPASS	*		TERMINATE BINARY OUTPUT.		CMP042	135	A	
9	COMPASS					CMP042	136	A	
10	COMPASS		RJ	DBSSZ	DUMP BSSZ CODE	CMP042	137	A	
11	COMPASS		RJ	DLAST	DUMP TERMINAL LOADER CARDS	CMP042	138	A	
12	COMPASS		RJ	DDUMP	DUMP ABSOLUTE BINARY OUTPUT	CMP042	139	A	
13	COMPASS		SA2	B		CMP30	2786	A	
14	COMPASS		ZR	X2,ZEND10	IF NO BINARY FILE	CMP30	2787	A	
15	COMPASS		SA1	LOCSYM		CMP042	140	A	
16	COMPASS		SA2	ABSFG		CMP042	141	A	
17	COMPASS		ZR	X1,ZEND3	IF NO TRANSFER NAME	CMP042	142	A	
18	COMPASS		NZ	X2,ZEND3	IF ABSOLUTE ASSEMBLY	CMP042	143	A	
19	COMPASS		RJ	LJUST		CMP042	144	A	
20	COMPASS		SA1	=46000001BS36		CMP042	145	A	
21	COMPASS		BX6	X1		CMP042	146	A	
22	COMPASS		SA7	BINREC+1		CMP042	147	A	
23	COMPASS		SA6	A7-B1		CMP042	148	A	
24	COMPASS					CMP30	2788	A	
25	COMPASS	RM	IFEQ	CP#RM,0		CMP30	2789	A	
26	COMPASS		WRITEW	B,A6,2	DUMP XFER CARD	CMP042	149	A	
27	COMPASS	ZEND3	WRITER	B		CMP042	150		I
28		-CMP30							
29	COMPASS	RM	ELSE			CMP30	2790	A	
30	COMPASS		SA1	B-1		CMP30	2791	A	
31	COMPASS		NZ	X1,ZEND2	IF NOT *W* RECORDS	CMP30	2792	A	
32	COMPASS		PUT	B,BINREC,20		CMP30	2793	A	
33	COMPASS		EQ	ZEND3		CMP30	2794	A	
34	COMPASS	ZEND2	PUTP	B,BINREC,20		CMP30	2795	A	
35	COMPASS	RM	ENDIF			CMP30	2796	A	
36	COMPASS					CMP30	2797	A	
37	COMPASS	ZEND3	WEOR	B		CMP30	2798	A	
38	COMPASS		SA1	/DATA/STCW	RESET CHARACTER STORE FOR 6-BIT/NON-ASCII	CPSA293	88	A	
39	COMPASS		BX6	X1		CPSA293	89	A	
40	COMPASS		SA6	/DATA/STC0	*** SAFE CODE-MODIFICATION ***	CPSA293	90	A	
41	COMPASS		SA1	ERCNT		CMP042	151	A	
42	COMPASS		SA2	ERRFLG		CMP042	152		I
43		-CMP30							
44	COMPASS		SA2	CP.ERRCT		CMP30	2799	A	
45	COMPASS		SA3	SYNAME		CMP042	153	A	
46	COMPASS		SA4	DKCNT		CMP042	154	A	
47	COMPASS		ZR	X1,ZEND7	IF NO ERRORS	CMP042	155	A	
48	COMPASS		MI	X2,ZEND7	IF *D* OPTION SET (DEBUG MODE)	CMP042	156	A	
49	COMPASS		ZR	X3,ZEND5	IF NO SYSTEM TEXT GENERATED	CMP042	157	A	
50	COMPASS		SX4	X4+B1		CMP042	158	A	
51	COMPASS	ZEND5	SKIPB	B,X4,R	ERASE ALL BINARY OUTPUT INCLUDING SYSTEXT	CMP042	159		I

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP30

1	COMPASS	SA1	AFLG		CMP042	160	I	
2	COMPASS	-CMP30						
3	COMPASS	ZEND5	RJ	BKS	ERASE ALL BINARY OUTPUT INCLUDING SYSTEXT	CMP30	2800	A
4	COMPASS	SA1	CP.ABORT		CMP30	2801	A	
5	COMPASS	NZ	X1,ZEND8	IF *A* OPTION SET (ABORT IF ERROR)	CMP042	161	I	
6	COMPASS	-CP139CP						
7	COMPASS	LX1	59-29		CP139CP	165	A	
8	COMPASS	MI	X1,ZEND8	IF *A* OPTION SET (ABORT IF ERROR)	CP139CP	166	A	
9	COMPASS				CMP30	2802	A	
10	COMPASS	RM	IFEQ	CP#RM,0	CMP30	2803	A	
11	COMPASS				CMP30	2804	A	
12	COMPASS	SB6	=C*ERRORS IN ASSEMBLY*		CMP042	162	A	
13	COMPASS	WRITEW	X2,B6,2		CMP042	163	A	
14	COMPASS	WRITER	X2	WRITE ERROR RECORD	CMP042	164	A	
15	COMPASS	EQ	ZEND10		CMP042	165	A	
16	COMPASS	ZEND7	ZR	X3,ZEND10	IF NO SYSTEM TEXT GENERATED	CMP042	166	A
17	COMPASS	SKIPB	B,X4	ERASE ALL NON-SYSTEXT BINARY OUTPUT	CMP042	167	I	
18	COMPASS	-CMP30						
19	COMPASS	RJ	BKS	ERASE ALL NON-SYSTEXT BINARY OUTPUT	CMP30	2805	A	
20	COMPASS	ZEND8	WRITEF	X2	WRITE EOF AND BACKSPACE OVER IT	CMP042	168	A
21	COMPASS	BKSP	X2		CMP042	169	A	
22	COMPASS				CMP30	2806	A	
23	COMPASS	RM	ELSE		CMP30	2807	A	
24	COMPASS				CMP30	2808	A	
25	COMPASS	PUT	B,ZENDB,20	*ERRORS IN ASSEMBLY*	CMP30	2809	A	
26	COMPASS	SA1	B-1		CMP30	2810	A	
27	COMPASS	NZ	X1,ZEND10	IF NOT *W* RECORDS	CMP30	2811	A	
28	COMPASS	WEOR	B		CMP30	2812	A	
29	COMPASS	EQ	ZEND10		CMP30	2813	A	
30	COMPASS	ZEND7	ZR	X3,ZEND10	IF NO SYSTEM TEXT GENERATED	CMP30	2814	A
31	COMPASS	RJ	BKS	ERASE ALL NON-SYSTEXT BINARY OUTPUT	CMP30	2815	A	
32	COMPASS	ZEND8	ENDFILE	B	CMP30	2816	A	
33	COMPASS	SX4	B1	WRITE EOF AND BACKSPACE OVER IT	CMP30	2817	A	
34	COMPASS	RJ	BKS		CMP30	2818	A	
35	COMPASS				CMP30	2819	A	
36	COMPASS	RM	ENDIF		CMP30	2820	A	
37	COMPASS				CMP042	170	A	
38	COMPASS	*	RESTORE SYSTEM SYMBOL TABLE.		CMP042	171	A	
39	COMPASS				CMP042	172	A	
40	COMPASS	ZEND10	RJ	ASU	ACCUMULATE STORAGE USED	CMP042	173	A
41	COMPASS	SA1	SSTCNT		CMP042	174	A	
42	COMPASS	MX6	0		CMP042	175	A	
43	COMPASS	SB7	ERRTAB-QVTAB-2		CMP042	176	A	
44	COMPASS	SA6	L.QVTAB+1		CMP042	177	A	
45	COMPASS	+	SB7	B7-B1	EMPTY TABLES NO LONGER NEEDED	CMP042	178	A
46	COMPASS	SA6	A6+B1		CMP042	179	A	
47	COMPASS	NZ	B7,*		CMP042	180	A	
48	COMPASS	SA6	L.MEMORY		CMP042	181	A	
49	COMPASS	ZR	X1,ZEND20	IF NO SYSTEM SYMBOLS DEFINED	CMP042	182	A	
50	COMPASS	LX1	1		CMP042	183	A	
51	COMPASS	MANAGE	SSYMS,X1	MAKE ROOM IN SYSTEM SYMBOL TABLE	CMP042	184	A	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	IX2	X2+X3		CMP042	185	A	
COMPASS	SA3	SSTCNT		CMP042	186	A	
COMPASS	SB7	X3		CMP30	2821	A	
COMPASS	SA1	O.SYMTAB		CMP042	187	A	
COMPASS	SB7	X3		CMP042	188	I	
-CMP30							
COMPASS	SA3	=0000000700000777777B		CMP30	2822	A	
COMPASS	ZEND15	SA5	X1+B1	SEARCH SYMBOL TABLE	CMP042	189	I
-CP096A							
COMPASS	SB5	-B1		CP096A	352	A	
COMPASS	SB6	59-32		CP096A	353	A	
COMPASS	SX1	X1+B1		CP096A	354	A	
COMPASS	ZEND15	RX5	X1	CP096A	355	A	
COMPASS	SX4	X1+B5		CP096A	356	A	
COMPASS	SX1	X1+2		CMP042	190	A	
COMPASS	LX5	59-32		CMP042	191	I	
-CP096A							
COMPASS	PL	X5,ZEND15	IF NOT A SYSTEM SYMBOL	CMP042	192	I	
-CP096A							
COMPASS	SA4	A5-B1		CMP042	193	I	
-CP096A							
COMPASS	LX5	32-59		CMP042	194	I	
-CP096A							
COMPASS	LX6	X5,B6		CP096A	357	A	
COMPASS	PL	X6,ZEND15	IF NOT A SYSTEM SYMBOL	CP096A	358	A	
COMPASS	RX4	X4		CP096A	359	A	
COMPASS	SX2	X2-2		CMP042	195	A	
COMPASS	SB7	B7-B1		CMP042	196	A	
COMPASS	BX7	X5	COPY SYMBOL TABLE ENTRY	CMP042	197	I	
-CMP30							
COMPASS	BX7	X3*X5	COPY SYMBOL TABLE ENTRY	CMP30	2823	A	
COMPASS	LX6	X4	TO SYSTEM SYMBOL TABLE	CMP042	198	A	
COMPASS	SA7	X2+B1		CMP042	199	A	
COMPASS	SA6	X2		CMP042	200	A	
COMPASS	NZ	B7,ZEND15		CMP042	201	A	
COMPASS	RJ	ASU	ACCUMULATE STORAGE USED	CMP042	202	A	
COMPASS				COMPASS	7735	A	
COMPASS	*	PRODUCE ASSEMBLER STATISTICS.		COMPASS	7736	A	
COMPASS				COMPASS	7737	A	
COMPASS	ZEND20	SA1	=H*STORAGE USED*	COMPASS	7738	A	
COMPASS	SA2	A1+B1		COMPASS	7739	A	
COMPASS	BX6	X1		COMPASS	7740	A	
COMPASS	LX7	X2		COMPASS	7741	A	
COMPASS	SA6	LINE		COMPASS	7742	A	
COMPASS	SA7	A6+B1		COMPASS	7743	A	
COMPASS	RJ	ASU	ACCUMULATE STORAGE USED	COMPASS	7744	I	
-CMP042							
COMPASS	SA1	MAXCORE		COMPASS	7745	I	
-CMP042							
COMPASS	SA1	REFIO		CMP042	203	A	
COMPASS	SA2	LR+1		CMP042	204	A	
COMPASS	SA3	MAXCORE		CMP042	205	A	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	ZR	X1,ZEND26	IF NO REFTAB OVERFLOW		CMP042	206	A	
1	COMPASS	ZR	X2,ZEND26	IF NO REFERENCE WANTED		CMP042	207	A	
2	COMPASS	SA1	LOSTREF			CMP042	208	A	
3	COMPASS	SX6	PRTB+100B			CMP042	209	I	
4	-CPS247								
5	COMPASS	SX6	PRTB			CPS247	10	A	
6	COMPASS	SB7	L.QVTAB-L.INTER			CMP042	210	A	
7	COMPASS	IX6	X6+X1			CMP042	211	A	
8	COMPASS	SA1	L.INTER+1			CMP042	212	A	
9	COMPASS	ZEND23	SB7	B7-B1	COMPUTE STORAGE NEEDED BY PASS 3	CMP042	213	A	
10	COMPASS	IX6	X6+X1			CMP042	214	A	
11	COMPASS	SA1	A1+B1			CMP042	215	A	
12	COMPASS	NZ	B7,ZEND23			CMP042	216	A	
13	COMPASS	IX2	X3-X6			CMP042	217	A	
14	COMPASS	PL	X2,ZEND26	IF NOT GREATER THAN MAXCORE		CMP042	218	A	
15	COMPASS	BX3	X6	UPDATE MAXCORE		CMP042	219	A	
16	COMPASS	SA6	A3			CMP042	220	A	
17	COMPASS	ZEND26	SX2	100B+10D	ADD THE TEN UNUSED WORDS AND	CMP042	221	A	
18	COMPASS	MX0	-6	INCREASE TO NEXT MULTIPLE OF 100B		CMP042	222	A	
19	COMPASS	IX3	X3+X2			CMP042	223	A	
20	COMPASS	BX1	X0*X3			CMP042	224	A	
21	COMPASS	SA2	PPTYPE			CPS0343	10	A	
22	COMPASS	BX7	X2	SAVE PPTYPE		CPS0343	11	A	
23	COMPASS	MX6	0	CLEAR PPTYPE SO MEMORY USED IS OCTAL		CPS0343	12	A	
24	COMPASS	SA6	A2			CPS0343	13	A	
25	COMPASS	SA7	ZENDC			CPS0343	14	A	
26	COMPASS	SX2	36			COMPASS	7746	I	
27	-CPS028								
28	COMPASS	SX2	34		S028 416	CPS028	308	A	
29	COMPASS	MX3	0			COMPASS	7747	A	
30	COMPASS	RJ	PACK0			COMPASS	7748	A	
31	COMPASS	SA1	STCNT			COMPASS	7749	I	
32	-CPS028								
33	COMPASS				S028 418	CPS028	309	A	
34	COMPASS	IFC	LT, "MODEL" 75 ,2		S028 419	CPS028	310	I	
35	-F7540CP								
36	COMPASS	ENV	(4,5,7,8),X			F7540CP	125	I	
37	-CPSA134								
38	COMPASS	SKIP				F7540CP	126	I	
39	-CPSA134								
40	COMPASS	X	ELSE			F7540CP	127	I	
41	-CPSA134								
42	COMPASS	SA1	=5RB CM		S028 420	CPS028	311	I	
43	-CPSA134								
44	COMPASS	SKIP	1		S028 421	CPS028	312	I	
45	-F7540CP								
46	COMPASS	ELSE	1			F7540CP	128	I	
47	-CPSA134								
48	COMPASS	SA1	=5RB SCM		S028 422	CPS028	313	I	
49	-CPSA134								
50	COMPASS	IF	DEF,MODL76			CPSA134	75	A	
51	COMPASS	SA1	=5RB SCM	ASSEMBLED IF MODEL 76 ASSEMBLY (SCM)		CPSA134	76	A	
52									
53	0	1	2	3	4	5	6	7	8
54	1234567890123456789012345678901234567890123456789012345678901234567890								

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	ELSE	1		CPSA134	77	A
COMPASS	SA1	=5RB CM	ASSEMBLED IF NOT MODEL 76 ASSEMBLY	CPSA134	78	A
COMPASS				S028 423 CPS028	314	A
COMPASS	MX0	-6		S028 424 CPS028	315	A
COMPASS	BX6	-X0*X1		S028 425 CPS028	316	A
COMPASS	SA6	OCTAL+38		S028 426 CPS028	317	A
COMPASS	AX1	6		S028 427 CPS028	318	A
COMPASS	+	BX6	-X0*X1	S028 428 CPS028	319	A
COMPASS		AX1	6	S028 429 CPS028	320	A
COMPASS		SA6	A6-B1	S028 430 CPS028	321	A
COMPASS	NZ	X1,*-1		S028 431 CPS028	322	A
COMPASS	SA3	ALCM	MAXIMUM ECS/LCM USED	S028 432 CPS028	323	A
COMPASS	ZR	X3,ZEND28	IF NONE	S028 433 CPS028	324	A
COMPASS				S028 434 CPS028	325	A
COMPASS	IFC	LT, "MODEL" 75 ,2		S028 435 CPS028	326	I
-F7540CP						
COMPASS	ENV	(4,5,7,8),X		F7540CP	129	I
-CPSA134						
COMPASS	SKIP			F7540CP	130	I
-CPSA134						
COMPASS	X	ELSE		F7540CP	131	I
-CPSA134						
COMPASS	IF	-DEF,LCMTYP		CPSA134	79	A
COMPASS	SA1	=5RB ECS		S028 436 CPS028	327	A
COMPASS	SKIP	1		S028 437 CPS028	328	I
-F7540CP						
COMPASS	ELSE	1		F7540CP	132	A
COMPASS	SA1	=5RB LCM		S028 438 CPS028	329	A
COMPASS				S028 439 CPS028	330	A
COMPASS	BX6	-X0*X1		S028 440 CPS028	331	A
COMPASS	SA6	OCTAL+26		S028 441 CPS028	332	A
COMPASS	AX1	6		S028 442 CPS028	333	A
COMPASS	+	BX6	-X0*X1	S028 443 CPS028	334	A
COMPASS		AX1	6	S028 444 CPS028	335	A
COMPASS	SA6	A6-B1		S028 445 CPS028	336	A
COMPASS	NZ	X1,*-1		S028 446 CPS028	337	A
COMPASS	SX2	100B+10D	ADD THE TEN UNUSED WORDS AND	S028 447 CPS028	338	A
COMPASS	IX3	X3+X2	INCREASE TO NEXT MULTIPLE OF 100B	S028 448 CPS028	339	A
COMPASS	BX1	X0*X3		S028 449 CPS028	340	A
COMPASS	SX2	22		S028 450 CPS028	341	A
COMPASS	MX3	0		S028 451 CPS028	342	A
COMPASS	RJ	PACK0		S028 452 CPS028	343	A
COMPASS	ZEND28	SA1	STCNT	S028 453 CPS028	344	I
-CPS0343						
COMPASS	ZEND28	SA1	ZENDC	CPS0343	15	A
COMPASS		BX6	X1	CPS0343	16	A
COMPASS	SA6	PPTYPE		CPS0343	17	A
COMPASS	SA1	STCNT	STATEMENT COUNT	CPS0343	18	A
COMPASS	RJ	CONDEC		COMPASS	7750	A
COMPASS	SA1	=10HSTATEMENTS		COMPASS	7751	A
COMPASS	LX6	6		COMPASS	7752	A
COMPASS	BX7	X1		COMPASS	7753	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA6	LINE+2	COMPASS	7754	A
COMPASS	SA7	A6+B1	COMPASS	7755	A
COMPASS	SA1	SYMCNT	COMPASS	7756	A
COMPASS	RJ	CONDEC	COMPASS	7757	A
COMPASS	SA1	=H*SYMBOLS*	COMPASS	7758	A
COMPASS	LX6	6	COMPASS	7759	A
COMPASS	BX7	X1	COMPASS	7760	A
COMPASS	SA6	LINE+4	COMPASS	7761	A
COMPASS	SA7	A6+B1	COMPASS	7762	A
COMPASS	SA1	INVENT	COMPASS	7763	A
COMPASS	SA2	=6R000000	COMPASS	7764	A
COMPASS	MX0	24	COMPASS	7765	A
COMPASS	BX6	-X0*X1	COMPASS	7766	A
COMPASS	BX1	X6-X2	COMPASS	7767	A
COMPASS	ZR	X1,ZEND20B	COMPASS	7768	I
-CMP042					
COMPASS	ZR	X1,ZEND30	CMP042	225	A
COMPASS	SA2	=4L	COMPASS	7769	A
COMPASS	SA3	=H*INVENTED SYMBOLS*	COMPASS	7770	A
COMPASS	SA1	A3+B1	COMPASS	7771	A
COMPASS	IX6	X6+X2	COMPASS	7772	A
COMPASS	LX6	6	COMPASS	7773	A
COMPASS	BX7	X3	COMPASS	7774	A
COMPASS	SA6	A7+B1	COMPASS	7775	A
COMPASS	SA7	A6+B1	COMPASS	7776	A
COMPASS	BX6	X1	COMPASS	7777	A
COMPASS	SA6	A7+B1	COMPASS	7778	A
COMPASS	ZEND20B	RJ	COMPASS	7779	I
-CMP042					
COMPASS	ZEND30	RJ	CMP042	226	A
COMPASS	SA1	TLINE	COMPASS	7780	A
COMPASS	SA6	LINE	CPS0340	8	A
COMPASS	MX2	1	CPS0340	9	A
COMPASS	MX0	-6	CPS0340	10	A
COMPASS	ZEND30.1	BX6	CPS0340	11	A
COMPASS	SA6	A6-B1	CPS0340	12	A
COMPASS	LX1	-6	CPS0340	13	A
COMPASS	LX2	6	CPS0340	14	A
COMPASS	PL	X2,ZEND30.1	CPS0340	15	A
COMPASS	SA2	A1+B1	COMPASS	7781	A
COMPASS	BX6	X1	COMPASS	7782	A
COMPASS	SA3	A2+B1	CPS240	17	A
COMPASS	LX7	X2	COMPASS	7783	A
COMPASS	SA6	LINE	COMPASS	7784	I
-CPS0340					
COMPASS	SA7	A6+B1	COMPASS	7785	I
-CPS0340					
COMPASS	SA7	LINE	CPS0340	16	A
COMPASS	BX6	X3	CPS240	18	A
COMPASS	SA6	A7+B1	CPS240	19	A
COMPASS	SA5	ATIME	COMPASS	7786	I
-CMP30					
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA6	A1	COMPASS	7813	I
-CMP042					
COMPASS	RJ	CONDEC	COMPASS	7814	A
COMPASS	SA1	=H*REFERENCES*	COMPASS	7815	A
COMPASS	LX6	6	COMPASS	7816	A
COMPASS	SA6	LINE+4	COMPASS	7817	I
-CPS240					
COMPASS	SA6	LINE+5	CPS240	21	I
-CPS0340					
COMPASS	SA6	LINE+4	CPS0340	18	A
COMPASS	BX7	X1	COMPASS	7818	A
COMPASS	SA7	A6+B1	COMPASS	7819	A
COMPASS	RJ	LIST2L	COMPASS	7820	A
COMPASS			COMPASS	7821	A
COMPASS			COMPASS	7822	A
COMPASS *	DECODE ERROR COUNT FOR LISTINGS AND DISPLAY.		COMPASS	7823	A
COMPASS			COMPASS	7824	A
COMPASS	SA1	WECNT	COMPASS	7825	I
-CMP042					
COMPASS	SA2	ERCNT	CMP11	2	I
-CMP042					
COMPASS	BX6	X1+X2	CMP11	3	I
-CMP042					
COMPASS	ZR	X6,ZEND20A IF NO ERRORS	CMP11	4	I
-CMP042					
COMPASS	SA1	IDNAM	CMP11	5	A
COMPASS	SA2	DKNAM	CMP11	6	A
COMPASS	BX6	X2-X1	CMP11	7	A
COMPASS	ZR	X6,ZEND20D IF IDNAM = DKNAM	CMP11	8	I
-CMP042					
COMPASS	RJ	LJUST	CMP11	9	I
-CMP042					
COMPASS	BX1	X7	CMP11	10	I
-CMP042					
COMPASS	ZR	X6,ZEND40 IF IDNAM = DKNAM	CMP042	227	A
COMPASS	RJ	DIM DISPLAY IDENT MESSAGE	CMP11	11	A
COMPASS	SA1	WECNT	CMP11	12	I
-CMP042					
COMPASS	ZR	X1,ZEND20C IF NO WARNING ERRORS	COMPASS	7826	I
-CMP042					
COMPASS	SA1	WECNT	CMP042	228	A
COMPASS	ZR	X1,ZEND50 IF NO WARNING ERRORS	CMP042	229	A
COMPASS	RJ	CONDEC CONVERT TO DECIMAL	COMPASS	7827	A
COMPASS	SA0	ZMSG	COMPASS	7828	I
-CMP042					
COMPASS	SA6	A0	COMPASS	7829	I
-CMP042					
COMPASS	SA1	IDNAM	COMPASS	7830	I
-CMP042					
COMPASS	RJ	LJUST	COMPASS	7831	I
-CMP042					
COMPASS	BX1	X7	COMPASS	7832	I

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP042

1	COMPASS	RJ	DIM	COMPASS	7833	I
2	-CMP042					
3	COMPASS	SA1	A0	COMPASS	7834	I
4	-CMP042					
5	COMPASS	SB7	X1-3R 1	COMPASS	7835	I
6	-CMP042					
7	COMPASS	SA6	ZMSG	CMP042	230	A
8	COMPASS	SB7	X6-3R 1	CMP042	231	A
9	COMPASS	SA1	ASMM+1	COMPASS	7836	A
10	COMPASS	SA2	=H* WARNING M*	COMPASS	7837	A
11	COMPASS	SA3	=H*ESSAGE IN ESSAGES IN*	COMPASS	7838	A
12	COMPASS	BX6	X2	COMPASS	7839	A
13	COMPASS	LX1	6	COMPASS	7840	I
14	-CMP042					
15	COMPASS	SA6	A0+B1	COMPASS	7841	I
16	-CMP042					
17	COMPASS	SA6	A6+B1	CMP042	232	A
18	COMPASS	+	ZR B7,*+1 IF 1 ERROR	COMPASS	7842	A
19	COMPASS	SA3	A3+B1	COMPASS	7843	A
20	COMPASS	LX1	-6	COMPASS	7844	I
21	-CMP042					
22	COMPASS	MX0	-12	COMPASS	7845	I
23	-CMP042					
24	COMPASS	BX6	X0*X1	COMPASS	7846	I
25	-CMP042					
26	COMPASS	LX7	X3	COMPASS	7847	I
27	-CMP042					
28	COMPASS	+	LX7 X3	CMP042	233	A
29	COMPASS	BX6	X1	CMP042	234	A
30	COMPASS	SA7	A6+B1	COMPASS	7848	A
31	COMPASS	SA6	A7+B1	COMPASS	7849	A
32	COMPASS	MESSAGE A0,3,R		COMPASS	7850	I
33	-CMP20	-CMP042				
34	COMPASS	JOBMSG A0,R		CMP20	56	I
35	-CMP042					
36	COMPASS	ZEND20C SA1	ERCNT	COMPASS	7851	I
37	-CMP042					
38	COMPASS	ZR	X1,ZEND20A IF NO FATAL ERRORS	COMPASS	7852	I
39	-CMP042					
40	COMPASS	JOBMSG ZMSG,R		CMP042	235	A
41	COMPASS	ZEND50 SA1	ERCNT	CMP042	236	A
42	COMPASS	ZR	X1,ZEND60 IF NO FATAL ERRORS	CMP042	237	A
43	COMPASS	RJ	CONDEC CONVERT TO DECIMAL	COMPASS	7853	A
44	COMPASS	SA6	LINE	COMPASS	7854	A
45	COMPASS	SB7	X6-3R 1	COMPASS	7855	A
46	COMPASS	SA2	=H+ ERRORS IN+	COMPASS	7856	A
47	COMPASS	SA1	IDNAM	COMPASS	7857	A
48	COMPASS	+	NZ B7,*+1	COMPASS	7858	A
49	COMPASS	SA2	=H+ ERROR IN+	COMPASS	7859	A
50	COMPASS	BX7	X2	COMPASS	7860	A
51	COMPASS	SA6	ZMSG	COMPASS	7861	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

1	COMPASS	SA7	A6+B1	COMPASS	7862	A	1	
2	COMPASS	SA7	LINE+1	COMPASS	7863	A	2	
3	COMPASS	RJ	LJUST	COMPASS	7864	A	3	
4	COMPASS	LX6	54	COMPASS	7865	A	4	
5	COMPASS	SA6	LINE+2	COMPASS	7866	A	5	
6	COMPASS	BX1	X7	COMPASS	7867	I	6	
7	-CMP11						7	
8	COMPASS	RJ	DIM	COMPASS	7868	I	8	
9	-CMP11						9	
10	COMPASS	SA1	ASMM+1	COMPASS	7869	A	10	
11	COMPASS	BX6	X1	COMPASS	7870	A	11	
12	COMPASS	SA6	ZMSG+2	COMPASS	7871	A	12	
13	COMPASS	MESSAGE	ZMSG,,R	COMPASS	7872	A	13	
14	COMPASS	RJ	LISTERF	COMPASS	7873	A	14	
15	COMPASS	*	PRINT ERROR DIRECTORY.	COMPASS	7874	A	15	
16	COMPASS			COMPASS	7875	A	16	
17	COMPASS	ZEND20A	RJ	PET	PROCESS ERROR TABLE	COMPASS	7876	17
18	COMPASS	-CMP042				I	18	
19	COMPASS	ZEND60	RJ	PET	PROCESS ERROR TABLE	CMP042	238	19
20	COMPASS		SA1	L.ERRTAB		COMPASS	7878	20
21	COMPASS		ZR	X1,ZEND30		COMPASS	7879	21
22	-CMP042					I		22
23	COMPASS	ZR	X1,ZEND90		CMP042	239	A	23
24	COMPASS	SA1	=1H	SET UP SUBTITLE	COMPASS	7880	A	24
25	COMPASS	SX2	SUBTIT		COMPASS	7881	A	25
26	COMPASS	SX3	SUBTIT+8		COMPASS	7882	A	26
27	COMPASS	RJ	PRESET		COMPASS	7883	A	27
28	COMPASS	SA1	LPCNT	CAUSE PAGE EJECT	COMPASS	7884	A	28
29	COMPASS	SA2	PSIZE		COMPASS	7885	A	29
30	COMPASS	IX7	X1+X2		COMPASS	7886	A	30
31	COMPASS	SA7	A1		COMPASS	7887	A	31
32	COMPASS	SA1	=H*	ERROR DIRECTORY.*	COMPASS	7888	A	32
33	COMPASS	SA2	A1+B1		COMPASS	7889	A	33
34	COMPASS	BX6	X1		COMPASS	7890	A	34
35	COMPASS	LX7	X2		COMPASS	7891	A	35
36	COMPASS	SA6	SUBTIT		COMPASS	7892	A	36
37	COMPASS	SA7	A6+B1		COMPASS	7893	A	37
38	COMPASS	SA1	A2+B1		COMPASS	7894	A	38
39	COMPASS	BX6	X1		COMPASS	7895	A	39
40	COMPASS	SA6	A7+B1		COMPASS	7896	A	40
41	COMPASS	SA2	PSIZE		CPSA208	25	A	41
42	COMPASS	NZ	X2,ZEND61	IF PAGE EJECT NOT SUPPRESSED	CPSA208	26	A	42
43	COMPASS	SX0	2	ELSE PRINT BLANK LINES	CPSA208	27	A	43
44	COMPASS	RJ	LBL		CPSA208	28	A	44
45	COMPASS	SA1	LPCNT	CHECK FOR END OF PAGE	CPSA208	29	A	45
46	COMPASS	SX0	2		CPSA208	30	A	46
47	COMPASS	SA2	CP.PS		CPSA208	31	A	47
48	COMPASS	IX6	X1+X0	INCREMENT LINE COUNT	CPSA208	32	A	48
49	COMPASS	IX2	X6-X2		CPSA208	33	A	49
50	COMPASS	SA6	A1		CPSA208	34	A	50
51	COMPASS	PL	X2,ZEND61		CPSA208	35	A	51

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	RJ	LHDS	AND PRINT SUBTITLE LINE	CPSA208	36	A
COMPASS	ZEND61	BSS	0	CPSA208	37	A
COMPASS		SA1	0.ERRTAB SORT THE ERROR TABLE	COMPASS	7897	A
COMPASS		SA2	L.ERRTAB	COMPASS	7898	A
COMPASS		MX0	60	COMPASS	7899	A
COMPASS		RJ	DSORT	COMPASS	7900	A
COMPASS		MX6	0	COMPASS	7901	A
COMPASS		SA6	P2TEMP INDEX TO ERRTAB	COMPASS	7902	A
COMPASS	ZEND21	SA1	=10HTYPE ERROR	COMPASS	7903	I
	-CMP042					
COMPASS	ZEND64	SA1	=10HTYPE ERROR	CMP042	240	A
COMPASS		MX0	54	COMPASS	7904	A
COMPASS		BX6	-X0*X1	COMPASS	7905	A
COMPASS		SB7	9	COMPASS	7906	A
COMPASS		SA6	OCTAL+25	COMPASS	7907	A
COMPASS	+	SB7	B7-B1	COMPASS	7908	A
COMPASS		AX1	6	COMPASS	7909	A
COMPASS		BX6	-X0*X1	COMPASS	7910	A
COMPASS		SA6	A6-B1	COMPASS	7911	A
COMPASS		NZ	B7,*-1	COMPASS	7912	A
COMPASS		SA1	P2TEMP	COMPASS	7913	A
COMPASS		SA2	0.ERRTAB	COMPASS	7914	A
COMPASS		IX0	X1+X2	COMPASS	7915	A
COMPASS		SA1	X0 ERRTAB ENTRY	COMPASS	7916	A
COMPASS		BX7	X1	COMPASS	7917	A
COMPASS		AX1	30 ISOLATE ERROR TYPE	COMPASS	7918	A
COMPASS		BX4	X1	COMPASS	7919	A
COMPASS		SA2	X1+ERRLETS	COMPASS	7920	A
COMPASS		BX6	X2	COMPASS	7921	A
COMPASS		LX1	2	COMPASS	7922	A
COMPASS		IX0	X1+X4	COMPASS	7923	A
COMPASS		SA7	P2TEMPB ERROR TYPE	COMPASS	7924	A
COMPASS		SA6	OCTAL+14	COMPASS	7925	A
COMPASS		SA2	X0+ERDIR FETCH COMMENTS	COMPASS	7926	A
COMPASS		SA3	A2+B1	COMPASS	7927	A
COMPASS		BX6	X2	COMPASS	7928	A
COMPASS		LX7	X3	COMPASS	7929	A
COMPASS		SA2	A3+B1	COMPASS	7930	A
COMPASS		SA4	A2+B1	COMPASS	7931	A
COMPASS		SA1	A4+B1	COMPASS	7932	A
COMPASS		SA6	LINE	COMPASS	7933	A
COMPASS		SA7	A6+B1	COMPASS	7934	A
COMPASS		BX6	X2	COMPASS	7935	A
COMPASS		LX7	X4	COMPASS	7936	A
COMPASS		SA6	A7+B1	COMPASS	7937	A
COMPASS		SA7	A6+B1	COMPASS	7938	A
COMPASS		BX6	X1	COMPASS	7939	A
COMPASS		SA6	A7+B1	COMPASS	7940	A
COMPASS		RJ	LISTERF	COMPASS	7941	A
COMPASS		SA1	1+=20H OCCURRED ON PAGES	COMPASS	7942	A
COMPASS		MX0	54	COMPASS	7943	A
COMPASS		SB2	B1	COMPASS	7944	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SX6	1R	COMPASS	7945	A		
COMPASS	SA6	OCTAL+38	COMPASS	7946	A		
COMPASS	ZEND22	BX6	-X0*X1	COMPASS	7947	I	
-CMP042							
COMPASS	ZEND68	BX6	-X0*X1	CMP042	241	A	
COMPASS		SB7	9	COMPASS	7948	A	
COMPASS		SA6	A6-B1	COMPASS	7949	A	
COMPASS	+	AX1	6	COMPASS	7950	A	
COMPASS		BX6	-X0*X1	COMPASS	7951	A	
COMPASS		SB7	B7-B1	COMPASS	7952	A	
COMPASS		SA6	A6-B1	COMPASS	7953	A	
COMPASS		NZ	B7,*-1	COMPASS	7954	A	
COMPASS		SB2	B2-B1	COMPASS	7955	A	
COMPASS		SA1	A1-B1	COMPASS	7956	A	
COMPASS		PL	B2,ZEND22	COMPASS	7957	I	
-CMP042							
COMPASS		PL	B2,ZEND68	CMP042	242	A	
COMPASS		MX6	0	COMPASS	7958	A	
COMPASS		SA6	P2TEMPA	ELEMENT COUNT	COMPASS	7959	A
COMPASS				COMPASS	7960	A	
COMPASS	ZEND23	SA1	P2TEMP	TABLE INDEX	COMPASS	7961	I
-CMP042							
COMPASS	ZEND70	SA1	P2TEMP	TABLE INDEX	CMP042	243	A
COMPASS		SA2	A1+B1	ELEMENT COUNT	COMPASS	7962	A
COMPASS		SA3	A2+B1	OLD ENTRY	COMPASS	7963	A
COMPASS		SA4	0.ERRTAB		COMPASS	7964	A
COMPASS		IX0	X1+X4		COMPASS	7965	A
COMPASS		SX6	B1+X1		COMPASS	7966	A
COMPASS		SA4	X0	FETCH ENTRY	COMPASS	7967	A
COMPASS		BX7	X4-X3		COMPASS	7968	A
COMPASS		SA6	A1		COMPASS	7969	A
COMPASS		AX7	30		COMPASS	7970	A
COMPASS		NZ	X7,ZEND24A	END OF ERROR LIST FOR THIS ERROR	COMPASS	7971	I
-CMP042							
COMPASS		NZ	X7,ZEND80	IF END OF PAGE LIST FOR THIS ERROR	CMP042	244	A
COMPASS		SA3	L.ERRTAB		COMPASS	7972	A
COMPASS		IX7	X3-X6		COMPASS	7973	A
COMPASS		NG	X7,ZEND24		COMPASS	7974	I
-CMP042							
COMPASS		MI	X7,ZEND82	IF END OF TABLE	CMP042	245	A
COMPASS		SX6	X4		COMPASS	7975	A
COMPASS		SX7	X2-9		COMPASS	7976	A
COMPASS		SA6	P2TEMPC		COMPASS	7977	A
COMPASS		NZ	X7,ZEND23A		COMPASS	7978	I
-CMP042							
COMPASS		NZ	X7,ZEND75	IF LINE NOT FULL	CMP042	246	A
COMPASS		SA7	A2		COMPASS	7979	A
COMPASS		RJ	LISTL		COMPASS	7980	A
COMPASS	ZEND23A	SA1	P2TEMPC		COMPASS	7981	I
-CMP042							
COMPASS	ZEND75	SA1	P2TEMPC		CMP042	247	A
COMPASS		RJ	CONDEC		COMPASS	7982	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

1	COMPASS	LX6	6		COMPASS	7983	A	
2	COMPASS	SX0	B1		COMPASS	7984	A	
3	COMPASS	SA2	P2TEMPA		COMPASS	7985	A	
4	COMPASS	SX7	X2+B1		COMPASS	7986	A	
5	COMPASS	IX6	X6+X0		COMPASS	7987	A	
6	COMPASS	SA6	X2+LINE		COMPASS	7988	A	
7	COMPASS	SA7	A2		COMPASS	7989	A	
8	COMPASS	EQ	ZEND23		COMPASS	7990		I
9	COMPASS	-CMP042 ZEND24A	BX6	X1	RESET LOOP COUNTER	COMPASS	7991	I
10		-CMP042						
11	COMPASS		EQ	ZEND70				
12	COMPASS				CMP042	248	A	
13	COMPASS	ZEND80	BX6	X1	RESET LOOP COUNTER	CMP042	249	A
14	COMPASS		SA6	A6				
15	COMPASS	ZEND24	SA1	P2TEMPA		250	A	
16		-CMP042				7992	A	
17	COMPASS	ZEND82	SA1	P2TEMPA		7993		I
18	COMPASS		SA2	X1+LINE-1				
19	COMPASS		SX0	B1				
20	COMPASS		IX6	X2-X0				
21	COMPASS		SA6	A2				
22	COMPASS		RJ	LIST2L				
23	COMPASS		SA1	P2TEMP				
24	COMPASS		SA2	L.ERRTAB				
25	COMPASS		IX0	X1-X2				
26		-CMP042						
27	COMPASS		NG	X0,ZEND21				
28		-CMP042						
29	COMPASS							
30		-CMP042						
31	COMPASS	*	TERMINATE LOADER PROCESSING			COMPASS	8004	I
32		-CMP26	-CMP042					
33	COMPASS	*	TERMINATE BINARY OUTPUT.			CMP26	26	I
34		-CMP042						
35	COMPASS							
36		-CMP042						
37	COMPASS	ZEND30	RJ	DLAST	DUMP TERMINAL LOADER CARDS	COMPASS	8005	I
38		-CP13226	-CMP042					
39	COMPASS	ZEND30	RJ	DBSSZ	DUMP BSSZ CODE	COMPASS	8006	I
40		-CMP042				CP13226	1	I
41	COMPASS		RJ	DLAST	DUMP TERMINAL LOADER CARDS			
42		-CMP042				CP13226	2	I
43	COMPASS		RJ	DDUMP	DUMP ABSOLUTE BINARY OUTPUT			
44		-CMP042				COMPASS	8007	I
45	COMPASS		SA3	ABSFG				
46		-CMP042				COMPASS	8008	I
47	COMPASS		NZ	X3,ZEND40				
48		-CMP042				COMPASS	8009	I
49	COMPASS		SA2	MACHINE				
50		-CMP042				COMPASS	8010	I
51	COMPASS		SA1	LOCSYM				
						COMPASS	8011	I

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP042

1	COMPASS	-CMP042	NZ	X2,ZEND40	CHECK FOR POSSIBLE TRANSFER NAME	COMPASS	8012	I	1
2	COMPASS	-CMP042	ZR	X1,ZEND40		COMPASS	8013	I	2
3	COMPASS	-CMP042	RJ	LJUST		COMPASS	8014	I	3
4	COMPASS	-CMP042	SA1	=46000001BS36		COMPASS	8015	I	4
5	COMPASS	-CMP042	BX6	X1		COMPASS	8016	I	5
6	COMPASS	-CMP042	SA7	BINREC+1		COMPASS	8017	I	6
7	COMPASS	-CMP042	SA6	A7-B1		COMPASS	8018	I	7
8	COMPASS	-CMP042	WRITEW	B,A6,2		COMPASS	8019	I	8
9	COMPASS	-CMP042	ZEND40	WRITER B		COMPASS	8020	I	9
10	COMPASS	-CMP042	SA1	ERCNT		COMPASS	8021	I	10
11	COMPASS	-CMP20	-CMP042	SA3	SYNAME	COMPASS	8022	I	11
12	COMPASS	-CMP20	-CMP042	NZ	X3,ZEND41 IF SYSTEXT GENERATED	COMPASS	8023	I	12
13	COMPASS	-CMP20	-CMP042	SA2	ERRFLG	COMPASS	8024	I	13
14	COMPASS	-CMP20	-CMP042	ZR	X1,ZEND50 IF NO ERRORS	COMPASS	8025	I	14
15	COMPASS	-CMP20	-CMP042	NG	X2,ZEND50 IF D SET	COMPASS	8026	I	15
16	COMPASS	-CMP20	-CMP042	SA1	DKCNT BACKSPACE OVER ALL DECKS THIS PROGRAM	COMPASS	8027	I	16
17	COMPASS	-CMP20	-CMP042	SKIPB	B,X1	COMPASS	8028	I	17
18	COMPASS	-CMP20	-CMP042	WRITEF	B	COMPASS	8029	I	18
19	COMPASS	-CMP20	-CMP042	SA1	ERRFLG	CMP20	57	I	19
20	COMPASS	-CMP042	SA2	ERCNT		CMP20	58	I	20
21	COMPASS	-CMP042	SA3	SYNAME		CMP20	59	I	21
22	COMPASS	-CMP042	SA4	DKCNT		CMP20	60	I	22
23	COMPASS	-CMP042	PL	X1,ZEND41	IF *D* OPTION NOT SET	CMP20	61	I	23
24	COMPASS	-CMP042	SX2	B0		CMP20	62	I	24
25	COMPASS	-CMP042	ZEND41	NZ	X2,ZEND42 IF ERRORS	CMP20	63	I	25
26	COMPASS	-CMP042	ZR	X3,ZEND50	IF NO SYSTEM TEXT GENERATED	CMP20	64	I	26

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	-CMP029	-CMP042							
1	COMPASS	ZR	X3,ZEND46	IF NO SYSTEM TEXT GENERATED	CMP029	71	I		
2	-CMP042								
3	COMPASS	SKIPB	B,X4	ERASE ALL NON-SYSTEXT BINARY OUTPUT	CMP20	65	I		
4	-CMP042								
5	COMPASS	EQ	ZEND44		CMP20	66	I		
6	-CMP042								
7	COMPASS	ZEND42	ZR	X3,ZEND43	IF NO SYSTEM TEXT GENERATED	CMP20	67	I	
8	-CMP042								
9	COMPASS	SX4	X4+B1		CMP20	68	I		
10	-CMP042								
11	COMPASS	ZEND43	SKIPB	B,X4,R	ERASE ALL BINARY OUTPUT INCLUDING SYSTEXT	CMP20	69	I	
12	-CMP042								
13	COMPASS	SA1	AFLG		CMP20	70	I		
14	-CMP042								
15	COMPASS	NZ	X1,ZEND44	IF ABORT MODE	CMP20	71	I		
16	-CMP042								
17	COMPASS	SB6	=C+ERRORS	IN ASSEMBLY+	CMP20	72	I		
18	-CMP042								
19	COMPASS	WRITEW	B,B6,2		CMP20	73	I		
20	-CMP042								
21	COMPASS	WRITER	B	WRITE ERROR RECORD	CMP20	74	I		
22	-CMP042								
23	COMPASS	EQ	ZEND50		CMP20	75	I		
24	-CMP029	-CMP042							
25	COMPASS	EQ	ZEND46		CMP029	72	I		
26	-CMP042								
27	COMPASS	ZEND44	WRITEF	B	WRITE EOF AND BACKSPACE OVER IT	CMP20	76	I	
28	-CMP042								
29	COMPASS	BKSP	B		COMPASS	8030	I		
30	-CMP042								
31	COMPASS				CMP25	3	I		
32	-CMP042								
33	COMPASS	*	RESTORE	SYSTEM SYMBOL TABLE.	CMP25	4	I		
34	-CMP042								
35	COMPASS				CMP25	5	I		
36	-CMP042								
37	COMPASS	SA1	SSTCNT		CMP25	6	I		
38	-CMP029	-CMP042							
39	COMPASS	ZEND46	SA1	SSTCNT	CMP029	73	I		
40	-CMP042								
41	COMPASS	MX6	0		CMP25	7	I		
42	-CMP042								
43	COMPASS	SB7	REFTAB-QVTAB-2		CMP25	8	I		
44	-CMP042								
45	COMPASS	SA6	L.QVTAB+1		CMP25	9	I		
46	-CMP042								
47	COMPASS	+	SB7	B7-B1	EMPTY TABLES NO LONGER NEEDED	CMP25	10	I	
48	-CMP042								
49	COMPASS	SA6	A6+B1		CMP25	11	I		
50	-CMP042								
51	COMPASS	NZ	B7,*		CMP25	12	I		
52									
53	0	1	2	3	4	5	6	7	8
54	1234567890123456789012345678901234567890123456789012345678901234567890								
55									
56									
57									
58									
59									
60									



## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP042

1	COMPASS	-CMP042	SA6	L.MEMORY		CMP25	13	I	1
2		-CMP042							2
3	COMPASS		ZR	X1,ZEND50	IF NO SYSTEM SYMBOLS DEFINED	CMP25	14	I	3
4		-CMP042							4
5	COMPASS		LX1	1		CMP25	15	I	5
6		-CMP042							6
7	COMPASS		MANAGE	SSYMS,X1	MAKE ROOM IN SYSTEM SYMBOL TABLE	CMP25	16	I	7
8		-CMP042							8
9	COMPASS		IX2	X2+X3		CMP25	17	I	9
10		-CMP042							10
11	COMPASS		SA3	SSTCNT		CMP25	18	I	11
12		-CMP042							12
13	COMPASS		SA1	O.SYMTAB		CMP25	19	I	13
14		-CMP042							14
15	COMPASS		SB7	X3		CMP25	20	I	15
16		-CMP042							16
17	COMPASS	ZEND48	SA5	X1+B1	SEARCH SYMBOL TABLE	CMP25	21	I	17
18		-CMP042							18
19	COMPASS		SX1	X1+2		CMP25	22	I	19
20		-CMP042							20
21	COMPASS		LX5	59-32		CMP25	23	I	21
22		-CMP042							22
23	COMPASS		PL	X5,ZEND48	IF NOT A SYSTEM SYMBOL	CMP25	24	I	23
24		-CMP042							24
25	COMPASS		SA4	A5-B1		CMP25	25	I	25
26		-CMP042							26
27	COMPASS		LX5	32-59		CMP25	26	I	27
28		-CMP042							28
29	COMPASS		SX2	X2-2		CMP25	27	I	29
30		-CMP042							30
31	COMPASS		SB7	B7-B1		CMP25	28	I	31
32		-CMP042							32
33	COMPASS		BX7	X5	COPY SYMBOL TABLE ENTRY	CMP25	29	I	33
34		-CMP042							34
35	COMPASS		LX6	X4	TO SYSTEM SYMBOL TABLE	CMP25	30	I	35
36		-CMP042							36
37	COMPASS		SA7	X2+B1		CMP25	31	I	37
38		-CMP042							38
39	COMPASS		SA6	X2		CMP25	32	I	39
40		-CMP042							40
41	COMPASS		NZ	B7,ZEND48	LOOP	CMP25	33	I	41
42		-CMP042							42
43	COMPASS		IX6	X1-X2		CMP042	252	A	43
44	COMPASS		MI	X6,ZEND64	IF NOT END OF TABLE	CMP042	253	A	44
45	COMPASS		SA6	A2		CMP042	254	A	45
46	COMPASS					COMPASS	8031	A	46
47	COMPASS	*		PROCESS REFERENCE TABLE.		COMPASS	8032	A	47
48	COMPASS					COMPASS	8033	A	48
49	COMPASS	ZEND50	SA3	LR+1	CHECK IF REFERENCE TABLE REQUIRED	COMPASS	8034	I	49
50		-CMP19							50
51	COMPASS		ZR	X3,ZEND100		COMPASS	8035	I	51

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP19

1	COMPASS	-CMP19	SX6	3	SET PASS TO 3	COMPASS	8036	I	1
2	COMPASS	-CMP19	SA6	PASS		COMPASS	8037	I	2
3	COMPASS	-CMP19	MX6	0	CLEAR QUAL VALUE	COMPASS	8038	I	3
4	COMPASS	-CMP19	SA6	QVAL		COMPASS	8039	I	4
5	COMPASS	ZEND46	SA2	L.NRTAB	CLEAR NOREF SYMBOLS	COMPASS	8040	I	5
6	COMPASS	-CMP19	SA1	O.NRTAB		COMPASS	8041	I	6
7	COMPASS	-CMP19	ZR	X2,ZEND47	IF END OF NO REFERENCE TABLE	COMPASS	8042	I	7
8	COMPASS	-CMP19	SX6	X2-1		COMPASS	8043	I	8
9	COMPASS	-CMP19	SB7	X1		COMPASS	8044	I	9
10	COMPASS	-CMP19	SA6	A2		COMPASS	8045	I	10
11	COMPASS	-CMP19	SA1	B7+X6		COMPASS	8046	I	11
12	COMPASS	-CMP19	RJ	TLUSYMT		COMPASS	8047	I	12
13	COMPASS	-CMP19	ZR	X2,ZEND46	IF NOT FOUND	COMPASS	8048	I	13
14	COMPASS	-CMP19	SX6	B0	CLEAR OUT SYMBOL TABLE ENTRY	COMPASS	8049	I	14
15	COMPASS	-CMP19	SA6	X3-1		COMPASS	8050	I	15
16	COMPASS	-CMP19	EQ	ZEND46	LOOP	COMPASS	8051	I	16
17	COMPASS	ZEND47	RJ	PRT	PROCESS REFERENCE TABLE	COMPASS	8052	I	17
18	COMPASS	ZEND100	MX6	0		COMPASS	8053	I	18
19	COMPASS	ZEND50	RJ	PRT	PROCESS REFERENCE TABLE	CMP19	108	I	19
20	COMPASS	-CMP042	RJ	PRT	PROCESS REFERENCE TABLE	CMP042	255	A	20
21	COMPASS	ZEND90	RJ	PRT	PROCESS REFERENCE TABLE	CMP30	2826	A	21
22	COMPASS	*			MAINTAIN LISTING OUTPUT PAGE PARITY.	CMP30	2827	A	22
23	COMPASS					CMP30	2828	A	23
24	COMPASS	-CPSA142	SA1	CP.LISTF		CMP30	2829	I	24
25	COMPASS	-CPSA142	NZ	X1,ZEND95	IF LISTING ON	CMP30	2830	I	25
26	COMPASS	-CPSA142	SA1	=1H-		CMP30	2831	I	26
27	COMPASS	-CPSA142	BX6	X1	SET SHORT PAGE EJECT	CMP30	2832	I	27
28	COMPASS	-CPSA142	SA6	TITBUF		CMP30	2833	I	28

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123456789012345678901234567890123456789012345678901234567890

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPSA142

1	COMPASS	EQ	ZEND98		CMP30	2834	I
2	-CPSA142						
3	COMPASS	MX6	42		CPSA142	115	A
4	COMPASS	SA1	E		CPSA142	116	A
5	COMPASS	BX1	X6*X1		CPSA142	117	A
6	COMPASS	ZR	X1,ZEND92	IF NO ERROR LIST	CPSA142	118	A
7	COMPASS	SA1	CP.EPAG		CPSA142	119	A
8	COMPASS	MX6	1		CPSA142	120	I
9	-CPS236						
10	COMPASS	MX6	2		CPS236	62	A
11	COMPASS	BX6	X6*X1	SAVE ERROR PAGE PROPAGATION FLAG	CPSA142	121	A
12	COMPASS	SA2	EPCNT		CPSA142	122	A
13	COMPASS	BX6	X6+X2	INSERT ERROR PAGE COUNT FOR THIS SUBROUTINE	CPSA142	123	A
14	COMPASS	ZR	X2,ZEND91	IF ERROR PAGE COUNT ZR DONT MODIFY CP.EPAG	CPSA142	124	A
15	COMPASS	SA6	A1	ELSE MODIFY CP.EPAG	CPSA142	125	A
16	COMPASS	ZEND91	SA1	CP.PAGE	CPSA142	126	A
17	COMPASS	PL	X1,ZEND92	IF PAGE PROPAGATION ON	CPSA142	127	A
18	COMPASS	SX6	B0		CPSA142	128	A
19	COMPASS	SA6	EPCNT	CLEAR ERROR FILE PAGE COUNT	CPSA142	129	A
20	COMPASS	ZEND92	SA1	CP.LISTF	CPSA142	130	A
21	COMPASS	ZR	X1,ZEND98	IF LONG LIST OFF	CPSA142	131	A
22	COMPASS	ZEND95	SA1	EOFINP	CMP30	2835	A
23	COMPASS	SA2	PGCNT		CMP30	2836	A
24	COMPASS	ZR	X1,ZEND96	IF NOT END OF SOURCE INPUT	CMP30	2837	A
25	COMPASS	SA1	CP.BLF		CPSA181	20	A
26	COMPASS	ZR	X1,ZEND98	IF BL IS OFF.	CPSA181	21	A
27	COMPASS	LX2	-1		CMP30	2838	A
28	COMPASS	SX6	B1		CMP30	2839	A
29	COMPASS	PL	X2,ZEND98	IF PAGE COUNT IS EVEN	CMP30	2840	A
30	COMPASS	LX2	1		CMP30	2841	A
31	COMPASS	IX6	X2+X6	ADD ONE TO PAGE COUNT	CMP30	2842	A
32	COMPASS	SA6	A2		CMP30	2843	A
33	COMPASS				CMP30	2844	A
34	COMPASS	IFEQ	CP#RM,0,2		CMP30	2845	A
35	COMPASS	WRITEW	0,(=2L1 ),1	WRITE BLANK PAGE	CMP30	2846	A
36	COMPASS	ELSE	1		CMP30	2847	A
37	COMPASS	PUT	0,ZENDA,10		CMP30	2848	A
38	COMPASS				CMP30	2849	A
39	COMPASS	EQ	ZEND98		CMP30	2850	A
40	COMPASS	ZEND96	SA1	CP.PAGE	CMP30	2851	A
41	COMPASS	PL	X1,ZEND98	IF PROPAGATING PAGE NUMBERS	CMP30	2852	A
42	COMPASS	LX2	-1		CMP30	2853	A
43	COMPASS	SX6	B0	CLEAR PAGE COUNT	CMP30	2854	A
44	COMPASS	SA6	A2		CMP30	2855	A
45	COMPASS	PL	X2,ZEND97	IF PAGE COUNT WAS EVEN	CMP30	2856	A
46	COMPASS	SA1	CP.BLF		CPSA235	6	A
47	COMPASS	ZR	X1,ZEND97	IF PAGE PARITY SUPPRESSED	CPSA235	7	A
48	COMPASS				CMP30	2857	A
49	COMPASS	IFEQ	CP#RM,0,2		CMP30	2858	A
50	COMPASS	WRITEW	0,(=2L1 ),1	WRITE BLANK PAGE	CMP30	2859	A
51	COMPASS	ELSE	1		CMP30	2860	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	PUT	0,ZENDA,10	CMP30	2861	A
COMPASS			CMP30	2862	A
COMPASS	ZEND97	SA1 E	CMP30	2863	A
COMPASS		ZR X1,ZEND98 IF NO ERROR FILE	CMP30	2864	A
COMPASS		WEOR 0	CMP30	2865	A
COMPASS			CMP19	109	A
COMPASS	*	FINAL WRAPUP.	CMP19	110	A
COMPASS			CMP19	111	A
COMPASS			CMP19	112	I
-CMP30					
COMPASS	ZEND98	MX6 0	CMP30	2866	A
COMPASS		SB7 NTABLES-SYMTAB-1	COMPASS	8054	I
-CP096A					
COMPASS		SA6 L.SYMTAB EMPTY ASSEMBLY TABLES	COMPASS	8055	A
COMPASS		SB7 NTABLES-USETAB-1	CP096A	360	A
COMPASS		SA6 L.USETAB	CP096A	361	A
COMPASS	+	SB7 B7-B1	COMPASS	8056	A
COMPASS		SA6 A6+B1	COMPASS	8057	A
COMPASS		NZ B7,*	COMPASS	8058	A
COMPASS		RJ DFL DECREASE FL TO LWA TABLES+FLINC F4810B F4810B		291	I
-CPSA125					
COMPASS		SA1 PGCNT CONTINUE PAGE NUMBER	COMPASS	8059	I
-CMP30					
COMPASS		SA2 PAGE	COMPASS	8060	I
-CMP30					
COMPASS	+	SX7 X1	COMPASS	8061	I
-CMP30					
COMPASS		NG X2,*+1	COMPASS	8062	I
-CMP30					
COMPASS		SA7 A2	COMPASS	8063	I
-CMP30					
COMPASS		SA6 L.INTER	COMPASS	8064	I
-CMP042					
COMPASS		SA6 MAXCORE	COMPASS	8065	I
-CMP042					
COMPASS		EQ EXITP2 EXIT FROM PASS2	COMPASS	8066	A
COMPASS			COMPASS	8067	A
COMPASS		IFNE CP#RM,0,2	CMP30	2867	A
COMPASS	ZENDA	LIT 1H1	CMP30	2868	A
COMPASS	ZENDB	DATA C+ERRORS IN ASSEMBLY+	CMP30	2869	A
COMPASS	ZMSG	BSS 4 ROOM FOR ERROR MESSAGE	COMPASS	8068	A
COMPASS	ZENDC	BSS 1 PPTYPE	CPS0343	19	A
COMPASS	ENDD	SPACE 4	COMPASS	8069	A
COMPASS	***	ENDD - END DUPLICATION.	COMPASS	8070	A
COMPASS	*		COMPASS	8071	A
COMPASS	*		COMPASS	8072	A
COMPASS	*NAME	ENDD	COMPASS	8073	A
COMPASS	*	TERMINATES RANGE OF (DUP) IF SECOND ADDRESS EXPRESSION WAS	COMPASS	8074	A
COMPASS	*	OMITTED IN PRECEDING (DUP). (NAME) IS AN INSTRUCTION	COMPASS	8075	A
COMPASS	*	BRACKET NAME.	COMPASS	8076	A
COMPASS			COMPASS	8077	A
COMPASS			COMPASS	8078	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	QUAL	PASS1	COMPASS	8079	A
COMPASS ENDD EQU CTL300			COMPASS	8080	A
COMPASS ENDD SPACE 4			COMPASS	8081	A
COMPASS ** ENDD - END DUPLICATION.			COMPASS	8082	A
COMPASS			COMPASS	8083	A
COMPASS			COMPASS	8084	A
COMPASS QUAL PASS2			COMPASS	8085	A
COMPASS ENDD EQU ZLIST			COMPASS	8086	A
COMPASS ENDIF SPACE 4			COMPASS	8087	A
COMPASS *** ENDF - CONDITIONAL ASSEMBLY TERMINATOR.			COMPASS	8088	A
COMPASS *			COMPASS	8089	A
COMPASS *			COMPASS	8090	A
COMPASS *NAME ENDF			COMPASS	8091	A
COMPASS * (NAME) IS THE INSTRUCTION BRACKET NAME OR BLANK.			COMPASS	8092	A
COMPASS * (ENDIF) IS IGNORED IF IT APPEARS WITHIN A LINE COUNT			COMPASS	8093	A
COMPASS * CONTROLLED RANGE.			COMPASS	8094	A
COMPASS			COMPASS	8095	A
COMPASS			COMPASS	8096	A
COMPASS QUAL PASS1			COMPASS	8097	A
COMPASS ENDF SA1 IFCNT			COMPASS	8098	A
COMPASS SA2 LOCSYM			COMPASS	8099	A
COMPASS SA3 IFNAME BRACKET NAME			COMPASS	8100	A
COMPASS PL X1,CTL300			COMPASS	8101	A
COMPASS IX4 X2-X3 COMPARE LOCSYM WITH IF LABEL			COMPASS	8102	A
COMPASS ZR X4,ENDIF1 JUMP ON A MATCH			COMPASS	8103	A
COMPASS ZR X2,ENDIF1 OR IF ENDF HAS BLANK LOCSYM			COMPASS	8104	A
COMPASS NZ X3,CTL300			COMPASS	8105	A
COMPASS ENDF1 MX6 0			COMPASS	8106	A
COMPASS SA6 A1			COMPASS	8107	A
COMPASS EQ CTL300			COMPASS	8108	A
COMPASS ENDF SPACE 4			COMPASS	8109	A
COMPASS ** ENDF - CONDITIONAL ASSEMBLY TERMINATOR.			COMPASS	8110	A
COMPASS			COMPASS	8111	A
COMPASS			COMPASS	8112	A
COMPASS QUAL PASS2			COMPASS	8113	A
COMPASS ENDF EQU ZLIST			COMPASS	8114	A
COMPASS ENDM SPACE 4			COMPASS	8115	A
COMPASS *** ENDM - MACRO TERMINATOR.			COMPASS	8116	A
COMPASS *			COMPASS	8117	A
COMPASS *			COMPASS	8118	A
COMPASS *NAME ENDM			COMPASS	8119	A
COMPASS * (NAME) IS INSTRUCTION BRACKET NAME. (ENDM) TERMINATES			COMPASS	8120	A
COMPASS * A MACRO OR OPDEF DEFINITION.			COMPASS	8121	A
COMPASS			COMPASS	8122	A
COMPASS			COMPASS	8123	A
COMPASS QUAL PASS1			COMPASS	8124	A
COMPASS ENDM EQU CTL300			COMPASS	8125	A
COMPASS ENDM SPACE 4			COMPASS	8126	A
COMPASS ** ENDM - MACRO TERMINATOR.			COMPASS	8127	A
COMPASS			COMPASS	8128	A
COMPASS			COMPASS	8129	A
COMPASS QUAL PASS2			COMPASS	8130	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	ENDM	EQU	ZLIST	COMPASS	8131	A
COMPASS	ENDX	SPACE	4	COMPASS	8132	A
COMPASS	***	ENDX	- END OF COMMON DECK TEXT.	COMPASS	8133	A
COMPASS	*			COMPASS	8134	A
COMPASS	*			COMPASS	8135	A
COMPASS	*	ENDX		COMPASS	8136	A
COMPASS	*	CLEAR	XTEXT FLAG FOR LIST CONTROL.	COMPASS	8137	A
COMPASS				COMPASS	8138	A
COMPASS				COMPASS	8139	A
COMPASS		QUAL	PASS1	COMPASS	8140	A
COMPASS	ENDX	RJ	CWI	COMPASS	8141	A
COMPASS		SX6	B0	COMPASS	8142	I
	-CMP036					
COMPASS		SA6	LIBFLG	COMPASS	8143	I
	-CMP036					
COMPASS		SA1	XLEV	DECREASE NESTING LEVEL	P036	28
COMPASS		ZR	X1,CTL100	IGNORE IF NO MATCHING *CTEXT*		
COMPASS		SX6	X1-1		P036	29
COMPASS	+	NZ	X6,*+1		P036	30
COMPASS		SA6	LIBFLG	CLEAR XTEXT FLAG	P036	31
COMPASS	+	SA6	A1		P036	32
COMPASS		EQ	CTL100	READ NEXT CARD		
COMPASS	ENDX	SPACE	4	COMPASS	8144	A
COMPASS	**	ENDX	- END OF COMMON DECK TEXT.	COMPASS	8145	A
COMPASS				COMPASS	8146	A
COMPASS				COMPASS	8147	A
COMPASS				COMPASS	8148	A
COMPASS		QUAL	PASS2	COMPASS	8149	A
COMPASS	ENDX	EQU	ZLIST	COMPASS	8150	A
COMPASS	ENTRY	SPACE	4	COMPASS	8151	A
COMPASS	***	ENTRY	- ENTRY POINTS.	COMPASS	8152	A
COMPASS	*			COMPASS	8153	A
COMPASS	*			COMPASS	8154	A
COMPASS	*	ENTRY	SYM1,SYM2,...,SYMN	COMPASS	8155	A
COMPASS	*	DECLARES	ENTRY POINTS. MAXIMUM OF 7 CHARACTERS PER SYMBOL	COMPASS	8156	A
COMPASS	*	THE FIRST CHARACTER	MUST BE A CHARACTER FROM A TO Z.	COMPASS	8157	A
COMPASS				COMPASS	8158	A
COMPASS				COMPASS	8159	A
COMPASS		QUAL	PASS1	COMPASS	8160	A
COMPASS	ENTRY	SA1	MACHINE	COMPASS	8161	A
COMPASS		NZ	X1,CTL80	ERROR IF PP CODING	COMPASS	8162
COMPASS		MX6	0	CMP30	2870	A
COMPASS		SA6	P1TEMP	CLEAR CONDITIONAL FLAG	CMP30	2871
COMPASS	ENTRY1	SA1	CHAR	COMPASS	8163	A
COMPASS		SB7	X1-1R	COMPASS	8164	A
COMPASS		SB6	X1-1R0	COMPASS	8165	I
	-CMP30					
COMPASS		ZR	B7,CTL300	STOP ON BLANK	COMPASS	8166
	-CMP1					
COMPASS		ZR	B7,CTL70	STOP ON BLANK	CMP1	3
COMPASS		RJ	SCLIST	FETCH NEXT ITEM	COMPASS	8167
COMPASS		ZR	X6,ENTRY1	IGNORE EMPTY FIELD	COMPASS	8168
COMPASS		RJ	VFYLINK	CHECK SYMBOL FORMAT	COMPASS	8169

0 1 2 3 4 5 6 7 8  
1234567890123456789012345678901234567890123456789012345678901234567890

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	ZR	X7,ENTRY2	COMPASS	8170	A
COMPASS	SX6	B1	COMPASS	8171	A
COMPASS	SA6	AERR	COMPASS	8172	A
COMPASS	SA6	EFLG	COMPASS	8173	A
COMPASS	EQ	ENTRY1	COMPASS	8174	A
COMPASS	ENTRY2	SA1	COMPASS	8175	A
COMPASS	SA2	L.EPTAB	COMPASS	8176	A
COMPASS	SA3	P1TEMP	CMP30	2872	A
COMPASS	SB7	X2-1	COMPASS	8177	A
COMPASS	ZR	X2,ENTRY4	COMPASS	8178	A
COMPASS	MX0	1	CMP30	2873	A
COMPASS	ENTRY3	SA5	COMPASS	8179	A
COMPASS	SB7	B7-B1	COMPASS	8180	A
COMPASS	IX4	X6-X5	COMPASS	8181	I
-CMP30					
COMPASS	ZR	X4,ENTRY1	COMPASS	8182	I
-CMP30					
COMPASS	BX4	-X0*X5	CMP30	2874	A
COMPASS	IX2	X6-X4	CMP30	2875	A
COMPASS	ZR	X2,ENTRY5	CMP30	2876	A
COMPASS	PL	B7,ENTRY3	COMPASS	8183	A
COMPASS	ENTRY4	BX1	COMPASS	8184	I
-CMP30					
COMPASS	ENTRY4	BX1	CMP30	2877	A
COMPASS	ADDWORD	EPTAB	COMPASS	8185	A
COMPASS	EQ	ENTRY1	CMP30	2878	A
COMPASS	ENTRY5	IX1	CMP30	2879	A
COMPASS	BX6	X1*X5	CMP30	2880	A
COMPASS	SA6	A5	CMP30	2881	A
COMPASS	EQ	ENTRY1	COMPASS	8186	A
COMPASS	ENTRY	SPACE	COMPASS	8187	A
COMPASS	**	ENTRY - ENTRY POINTS.	COMPASS	8188	A
COMPASS			COMPASS	8189	A
COMPASS			COMPASS	8190	A
COMPASS	QUAL	PASS2	COMPASS	8191	A
COMPASS	ENTRY	SA1	COMPASS	8192	A
COMPASS	NZ	X1,ZLIST	COMPASS	8193	A
COMPASS	SX6	1RE	COMPASS	8194	A
COMPASS	SA6	REFLET	COMPASS	8195	A
COMPASS	MX1	0	CMP19	113	A
COMPASS	RJ	SQV	CMP19	114	A
COMPASS	ENT1	SA1	COMPASS	8196	A
COMPASS	SB7	X1-1R	COMPASS	8197	A
COMPASS	ZR	B7,ENT6	COMPASS	8198	A
COMPASS	RJ	SCLIST	COMPASS	8199	A
COMPASS	ZR	X6,ENT1	COMPASS	8200	I
-CPS010					
COMPASS	ZR	X6,ENT1	CPS010	50	A
COMPASS	MX7	0	COMPASS	8201	A
COMPASS	BX1	X6	COMPASS	8202	A
COMPASS	SA7	EXERR	COMPASS	8203	A
COMPASS	RJ	ZTLUSYM	COMPASS	8204	A

0 1 2 3 4 5 6 7 8  
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA1	ELVAL	ERROR IF EXTERNAL OR NEGATIVE			COMPASS	8205	I	
COMPASS	-CMP031	SA3	=7A*****			COMPASS	8206	I	
COMPASS	-CMP031								
COMPASS		SA1	ELVAL	SET U-ERROR IF EXTERNAL			COMPASS	8207	A
COMPASS		SA2	ELEXT				COMPASS	8208	A
COMPASS		SX6	B1				COMPASS	8209	A
COMPASS		SA3	EXERR	CHECK EXPRESSION ERROR			COMPASS	8210	A
COMPASS		BX2	X3+X2				COMPASS	8211	A
COMPASS		SA4	ELREL				CPS010	51	A
COMPASS		NZ	X2,ENT4	IF BAD ENTRY POINT			COMPASS	8212	A
COMPASS		SB7	X1	OCTAL NUMBER			COMPASS	8213	I
	-CMP30								
COMPASS		PL	B7,ENT1	IF NOT NEGATIVE			COMPASS	8214	I
	-CMP30								
COMPASS		SA6	NERR				COMPASS	8215	I
	-CMP30								
COMPASS		SA2	ELREL				CMP30	2882	I
	-CPS010								
COMPASS		MI	X1,ENT3	IF VALUE IS NEGATIVE			CMP30	2883	I
	-CPS010								
COMPASS		AX2	8				CMP30	2884	I
	-CPS010								
COMPASS		ZR	X2,ENT1	IF RELOCATION NOT NEGATIVE			CMP30	2885	I
	-CPS010								
COMPASS		SX7	X4-401B				CPS010	52	I
	-CPS251								
COMPASS		LX4	59-8				CPS010	53	I
	-CPS251								
COMPASS		PL	X4,ENT2	IF POSITIVE RELOCATION			CPS010	54	I
	-CPS251								
COMPASS		NZ	X7,ENT3	IF NOT PROGRAM RELOCATION			CPS010	55	I
	-CPS251								
COMPASS	ENT2	PL	X1,ENT1	IF NOT LESS THAN BLOCK ORIGIN			CPS010	56	I
	-CPS251								
COMPASS		SX7	X4-402B				CPS251	5	A
COMPASS		MI	X7,ENT1	IF NOT NEGATIVE COMMON RELOCATION			CPS251	6	A
COMPASS	ENT3	SA6	NERR				CMP30	2886	A
COMPASS		EQ	ENT5				COMPASS	8216	A
COMPASS	ENT4	SA6	UERR				COMPASS	8217	A
COMPASS	ENT5	SA6	EFLG				COMPASS	8218	A
COMPASS		EQ	ENT1	LOOP			COMPASS	8219	A
COMPASS	ENT6	SX6	1R				COMPASS	8220	I
	-CMP19								
COMPASS	ENT6	SA1	QVAL+1	RESTORE QUAL VALUE			CMP19	115	A
COMPASS		SX6	1R				CMP19	116	A
COMPASS		BX7	X1				CMP19	117	A
COMPASS		SA6	REFLET				COMPASS	8221	A
COMPASS		SA7	A1-B1				CMP19	118	A
COMPASS		EQ	ZLIST				COMPASS	8222	A
COMPASS	ENTRYC	SPACE	4				CMP30	2887	A
COMPASS	***	ENTRYC	- CONDITIONAL ENTRY POINTS.			CMP30	2888	A	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	*									CMP30	2889	A
COMPASS	*									CMP30	2890	A
COMPASS	*			ENTRYC	SYM1,SYM2,...,SYMN					CMP30	2891	A
COMPASS	*				DECLARES CONDITIONAL ENTRY POINTS. MAXIMUM OF 7 CHARACTERS					CMP30	2892	A
COMPASS	*				PER SYMBOL. FIRST CHARACTER MUST BE A LETTER FROM A TO Z.					CMP30	2893	A
COMPASS	*				IN A RELOCATABLE ASSEMBLY, IF THE VALUE OF A CONDITIONAL					CMP30	2894	A
COMPASS	*				ENTRY POINT IS RELATIVE TO A COMMON BLOCK, LOADER IGNORES					CMP30	2895	A
COMPASS	*				THE DECLARATION IF THAT COMMON BLOCK WAS FIRST DECLARED BY					CMP30	2896	A
COMPASS	*				AN EARLIER SUBPROGRAM. IF SYMBOL VALUE IS ABSOLUTE OR					CMP30	2897	A
COMPASS	*				LOCAL, (ENTRYC) IS THE SAME AS (ENTRY).					CMP30	2898	A
COMPASS										CMP30	2899	A
COMPASS										CMP30	2900	A
COMPASS			QUAL	PASS1						CMP30	2901	A
COMPASS	ENTRYC	SA1	ABSFG							CMP30	2902	A
COMPASS		NZ	X1,ENTRY	IF ABSOLUTE ASSEMBLY						CMP30	2903	A
COMPASS		MX6	1							CMP30	2904	A
COMPASS		SA6	P1TEMP	SET CONDITIONAL FLAG						CMP30	2905	A
COMPASS		EQ	ENTRY1							CMP30	2906	A
COMPASS	ENTRYC	SPACE	4							CMP30	2907	A
COMPASS	**			ENTRYC - CONDITIONAL ENTRY POINTS.						CMP30	2908	A
COMPASS										CMP30	2909	A
COMPASS										CMP30	2910	A
COMPASS			QUAL	PASS2						CMP30	2911	A
COMPASS	ENTRYC	EQU	ENTRY							CMP30	2912	A
COMPASS	EQU	SPACE	4							COMPASS	8223	A
COMPASS	***			EQU - SYMBOL DEFINITION.						COMPASS	8224	A
COMPASS	*									COMPASS	8225	A
COMPASS	*									COMPASS	8226	A
COMPASS	*SYM	EQU	EXP							COMPASS	8227	A
COMPASS	*			(SYM) IS ASSIGNED THE VALUE OF THE ADDRESS EXPRESSION.						COMPASS	8228	A
COMPASS										COMPASS	8229	A
COMPASS										COMPASS	8230	A
COMPASS			QUAL	PASS1						COMPASS	8231	A
COMPASS	EQU	SA1	LIBFLG							COMPASS	8232	A
COMPASS		LX6	X1,B1							COMPASS	8233	A
COMPASS		EQ	EQU1							COMPASS	8234	A
COMPASS	EQU	SPACE	4							COMPASS	8235	A
COMPASS	**			EQU - SYMBOL DEFINITION.						COMPASS	8236	A
COMPASS										COMPASS	8237	A
COMPASS										COMPASS	8238	A
COMPASS			QUAL	PASS2						COMPASS	8239	A
COMPASS	EQU	MX6	0							COMPASS	8240	A
COMPASS		EQ	SETEQU							COMPASS	8241	A
COMPASS	ERR	SPACE	4							COMPASS	8242	A
COMPASS	***			ERR - FORCED ERROR.						COMPASS	8243	A
COMPASS	*									COMPASS	8244	A
COMPASS	*									COMPASS	8245	A
COMPASS	*TYPE	ERR								COMPASS	8246	A
COMPASS	*			AN ERROR OF TYPE (TYPE) IS PRODUCED. IF (TYPE) IS MISSING						COMPASS	8247	A
COMPASS	*			OR NOT VALID, A *P* ERROR IS PRODUCED.						COMPASS	8248	A
COMPASS										COMPASS	8249	A
COMPASS										COMPASS	8250	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

1	COMPASS		QUAL	PASS1	COMPASS	8251	A	1	
2	COMPASS	ERR	EQU	CTL70	COMPASS	8252	A	2	
3	COMPASS	ERR	SPACE	4	COMPASS	8253	A	3	
4	COMPASS	**	ERR -	FORCED ERROR.	COMPASS	8254	A	4	
5	COMPASS				COMPASS	8255	A	5	
6	COMPASS				COMPASS	8256	A	6	
7	COMPASS		QUAL	PASS2	COMPASS	8257	A	7	
8	COMPASS	ERR	SA1	LOCSYM	CHECK ERROR TYPE	COMPASS	8258	A	9
9	COMPASS		SB7	LEFLG		COMPASS	8259	A	10
10	COMPASS		SA2	ERRLETS		COMPASS	8260	A	12
11	COMPASS		SB6	B0		COMPASS	8261	A	13
12	COMPASS		SX7	B1		COMPASS	8262	A	14
13	COMPASS	ERR1	BX6	X1-X2		COMPASS	8263	A	15
14	COMPASS		ZR	X6,ERR2	IF ERROR TYPE FOUND	COMPASS	8264	A	17
15	COMPASS		SB6	B6+B1		COMPASS	8265	A	18
16	COMPASS		SA2	A2+B1		COMPASS	8266	A	19
17	COMPASS		NE	B6,B7,ERR1	LOOP	COMPASS	8267	A	21
18	COMPASS		SB6	PERR-ERFLAGS		COMPASS	8268	A	22
19	COMPASS	ERR2	SA7	ERFLAGS+B6	SET ERROR	COMPASS	8269	A	23
20	COMPASS		SA7	EFLG		COMPASS	8270	A	25
21	COMPASS		EQ	ZLIST		COMPASS	8271	A	26
22	COMPASS	ERRIF	SPACE	4		COMPASS	8272	A	27
23	COMPASS	***	ERRXX -	CONDITIONAL ERROR.		COMPASS	8273	A	29
24	COMPASS	*				COMPASS	8274	A	30
25	COMPASS	*				COMPASS	8275	A	32
26	COMPASS	*TYPE	ERRXX	AEXP		COMPASS	8276	A	33
27	COMPASS	*	TESTS	AEXP ACCORDING TO MNEMONIC TEST *XX*. IF (TYPE) IS		COMPASS	8277	A	34
28	COMPASS	*	BLANK,	A *P* ERROR IS GENERATED IF THE TEST IS TRUE. IF		COMPASS	8278	A	35
29	COMPASS	*	(TYPE)	IS NOT BLANK, A (TYPE) ERROR IS GENERATED.		COMPASS	8279	A	37
30	COMPASS	*				COMPASS	8280	A	38
31	COMPASS	*	XX	TEST		COMPASS	8281	A	39
32	COMPASS	*				COMPASS	8282	A	41
33	COMPASS	*	MI	MINUS		CMP30	2913	A	42
34	COMPASS	*	NG	NEGATIVE		COMPASS	8283	A	43
35	COMPASS	*	NZ	NOT-ZERO		COMPASS	8284	A	45
36	COMPASS	*	PL	POSITIVE		COMPASS	8285	A	46
37	COMPASS	*	ZR	ZERO		COMPASS	8286	A	47
38	COMPASS					COMPASS	8287	A	48
39	COMPASS					COMPASS	8288	A	50
40	COMPASS		QUAL	PASS1		COMPASS	8289	A	51
41	COMPASS	ERRMI	EQU	CTL70		CMP30	2914	A	53
42	COMPASS	ERRNG	EQU	CTL70		COMPASS	8290	A	54
43	COMPASS	ERRNZ	EQU	CTL70		COMPASS	8291	A	55
44	COMPASS	ERRPL	EQU	CTL70		COMPASS	8292	A	57
45	COMPASS	ERRZR	EQU	CTL70		COMPASS	8293	A	58
46	COMPASS	ERRIF	SPACE	4		COMPASS	8294	A	59
47	COMPASS	**	ERRXX -	CONDITIONAL ERROR.		COMPASS	8295	A	61
48	COMPASS					COMPASS	8296	A	62
49	COMPASS					CMP30	2915	A	63
50	COMPASS	*TYPE	ERRMI	AEXP		CMP30	2916	A	64
51	COMPASS					CMP30	2917	A	65
	COMPASS		QUAL	PASS2		CMP30	2918	A	67

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	ERRMI	BSS	0		CMP30	2919	A
COMPASS					COMPASS	8297	A
COMPASS	*TYPE	ERRNG	AEXP		COMPASS	8298	A
COMPASS					COMPASS	8299	A
COMPASS		QUAL	PASS2		COMPASS	8300	A
COMPASS	ERRNG	SX1	3		COMPASS	8301	A
COMPASS		EQ	EIF		COMPASS	8302	A
COMPASS					COMPASS	8303	A
COMPASS	*TYPE	ERRNZ	AEXP		COMPASS	8304	A
COMPASS					COMPASS	8305	A
COMPASS		QUAL	PASS2		COMPASS	8306	A
COMPASS	ERRNZ	SX1	1		COMPASS	8307	A
COMPASS		EQ	EIF		COMPASS	8308	A
COMPASS					COMPASS	8309	A
COMPASS	*TYPE	ERRPL	AEXP		COMPASS	8310	A
COMPASS					COMPASS	8311	A
COMPASS		QUAL	PASS2		COMPASS	8312	A
COMPASS	ERRPL	SX1	2		COMPASS	8313	A
COMPASS		EQ	EIF		COMPASS	8314	A
COMPASS					COMPASS	8315	A
COMPASS	*TYPE	ERRZR	AEXP		COMPASS	8316	A
COMPASS					COMPASS	8317	A
COMPASS		QUAL	PASS2		COMPASS	8318	A
COMPASS	ERRZR	SX1	0		COMPASS	8319	A
COMPASS	*	EQ	EIF		COMPASS	8320	A
COMPASS	EIF	SPACE	4		COMPASS	8321	A
COMPASS	**	EIF -	ERROR IF CONDITION MET.		COMPASS	8322	A
COMPASS					COMPASS	8323	A
COMPASS					COMPASS	8324	A
COMPASS	EIF	SA2	EIFB		COMPASS	8325	A
COMPASS		LX1	21		COMPASS	8326	A
COMPASS		BX6	X2+X1		COMPASS	8327	A
COMPASS		SA6	EIFA		COMPASS	8328	A
COMPASS		SX1	60		COMPASS	8329	A
COMPASS		SX6	3		COMPASS	8330	A
COMPASS		RJ	SCADCON		COMPASS	8331	A
COMPASS		SA1	EXVAL		COMPASS	8332	A
COMPASS		SX2	36		COMPASS	8333	A
COMPASS		MX0	-21		COMPASS	8334	I
	-CPS010						
COMPASS		BX1	-X0*X1		COMPASS	8335	I
	-CPS010						
COMPASS		MX3	0		COMPASS	8336	A
COMPASS		RJ	PACK0	CALL PACK0(EXVAL,36,7)	COMPASS	8337	A
COMPASS					COMPASS	8338	A
COMPASS	EIFA	SA1	EXVAL	EXPRESSION TEST	COMPASS	8339	A
COMPASS		ZR	X1,ERR		COMPASS	8340	A
COMPASS					COMPASS	8341	A
COMPASS		EQ	ZLIST		COMPASS	8342	A
COMPASS					COMPASS	8343	A
COMPASS	EIFB	SA1	EXVAL	EXPRESSION TEST	COMPASS	8344	A
COMPASS		ZR	X1,ERR		COMPASS	8345	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CP096A

1	COMPASS	EXT4	RX4	X3	KNOWN EXTERNAL, FETCH EQUIVALENT	CP096A	362	A		
2	COMPASS		MX0	39		COMPASS	8389	A		
3	COMPASS		BX2	-X0*X4		COMPASS	8390	A		
4	COMPASS		NZ	X2,EXT3		COMPASS	8391	A		
5	COMPASS		MX0	51		COMPASS	8392	A		
6	COMPASS		AX4	21		COMPASS	8393	A		
7	COMPASS		BX2	-X0*X4	EXTRACT EXTERNAL NUMBER	COMPASS	8394	A		
8	COMPASS		SA3	0.EXTAB		COMPASS	8395	A		
9	COMPASS		SB7	X3-1		COMPASS	8396	A		
10	COMPASS		SA4	X2+B7		COMPASS	8397	A		
11	COMPASS		BX3	X4-X1		COMPASS	8398	A		
12	COMPASS		ZR	X3,EXT1	ERROR IF NOT PRIMITIVE EXTERNAL	COMPASS	8399	A		
13	COMPASS	EXT3	SX6	B1	COMPLAIN OF DUPLICATE SYMBOL	COMPASS	8400	A		
14	COMPASS		SA6	EFLG		COMPASS	8401	A		
15	COMPASS	+	SA6	DERR		COMPASS	8402	A		
16	COMPASS		EQ	EXT1		COMPASS	8403	A		
17	COMPASS					CPS0253	7	A		
18	COMPASS	EXT4A	SX6	B1		CPS0253	8	A		
19	COMPASS		SA6	EFLG		CPS0253	9	A		
20	COMPASS		SA6	FERR		CPS0253	10	A		
21	COMPASS	EXT5	SA1	QVAL+1	RESTORE QUAL VALUE	CMP19	122	A		
22	COMPASS		BX6	X1		CMP19	123	A		
23	COMPASS		SA6	A1-B1		CMP19	124	A		
24	COMPASS		EQ	CTL300		CMP19	125	A		
25	COMPASS	EXT	SPACE	4		COMPASS	8404	A		
26	COMPASS	**	EXT	-	EXTERNAL NAMES.	COMPASS	8405	A		
27	COMPASS					COMPASS	8406	A		
28	COMPASS					COMPASS	8407	A		
29	COMPASS		QUAL	PASS2		COMPASS	8408	A		
30	COMPASS	EXT	EQU	ZLIST		COMPASS	8409		I	
31		-CMP041								
32	COMPASS	EXT	SA2	EFLG		CMP041	8		I	
33		-CPS003								
34	COMPASS		MX1	0		CMP041	9		I	
35		-CPS003								
36	COMPASS		NZ	X2,ZLIST	IF ERROR IN PASS 1	CMP041	10		I	
37		-CPS003								
38	COMPASS	EXT	MX1	0		S003	6	CPS003	1	A
39	COMPASS		RJ	SQV	SET BLANK QUALIFIER	CMP041	11		A	
40	COMPASS	EXT1	SA1	CHAR		CMP041	12		A	
41	COMPASS		SB7	X1-1R		CMP041	13		A	
42	COMPASS		ZR	B7,EXT2	STOP ON BLANK	CMP041	14		A	
43	COMPASS		RJ	SCLIST	FETCH NEXT ITEM	CMP041	15		A	
44	COMPASS		ZR	X6,EXT1	IGNORE EMPTY FIELD	CMP041	16		A	
45	COMPASS		BX1	X6		CMP30	2920		I	
46		-CPS003								
47	COMPASS		BX1	X6		S003	8	CPS003	2	A
48	COMPASS		RJ	TLUSYMT	LOOK UP SYMBOL	CMP041	17		A	
49	COMPASS		ZR	X3,EXT1	IF NOT FOUND	S003	10	CPS003	3	A
50	COMPASS		SX1	1RX		CMP041	18		A	
51	COMPASS		RJ	ENTREF	ENTER REFERENCE TABLE	CMP041	19		A	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS		EQ	EXT1	LOOP		CMP041	20	A
COMPASS	EXT2	SA1	QVAL+1	RESTORE QUAL VALUE		CMP041	21	A
COMPASS		BX7	X1			CMP041	22	A
COMPASS		SA7	A1-B1			CMP041	23	A
COMPASS		EQ	ZLIST			CMP041	24	A
COMPASS	HERE	SPACE	4			COMPASS	8410	A
COMPASS	***	HERE	-	ASSEMBLE RMT CODE.		COMPASS	8411	A
COMPASS	*					COMPASS	8412	A
COMPASS	*					COMPASS	8413	A
COMPASS	*NAME	HERE				COMPASS	8414	A
COMPASS	*			SAVED REMOTE INSTRUCTIONS ARE ASSEMBLED AT THIS POINT.		COMPASS	8415	A
COMPASS	*			(NAME) = NAME OF LABELED REMOTE GROUP.		COMPASS	8416	A
COMPASS						COMPASS	8417	A
COMPASS						COMPASS	8418	A
COMPASS		SEG		PSEUDO-OP PROCESSING (F-Q).		CMP30	2921	A
COMPASS		QUAL		PASS1		COMPASS	8419	A
COMPASS	HERE	SX6	1RT			COMPASS	8420	A
COMPASS		SA6	STYPE	SET TERMINATION		COMPASS	8421	A
COMPASS		SX7	B1			COMPASS	8422	A
COMPASS		SA7	TXTFLG	SET TEXT DEFINITION FLAG		COMPASS	8423	A
COMPASS		MX6	0	PERMIT REPACKING		COMPASS	8424	A
COMPASS		SA6	SQLGN			COMPASS	8425	A
COMPASS		RJ	CRL	CHECK RECURSION LIMIT	S004 15	CPS004	5	A
COMPASS		RJ	CWI			COMPASS	8426	A
COMPASS		SA1	L.RASTAB			COMPASS	8427	A
COMPASS		BX6	X1			COMPASS	8428	A
COMPASS		SA6	P1TEMP			COMPASS	8429	A
COMPASS		SA1	LOCSYM			COMPASS	8430	A
COMPASS		SA2	BADLOC			COMPASS	8431	A
COMPASS		ZR	X1,HEREPK	IF UNLABELED RMT		COMPASS	8432	A
COMPASS		SX6	B1			COMPASS	8433	A
COMPASS		ZR	X2,HRE1	IF NO LOCATION ERROR		COMPASS	8434	A
COMPASS		SA6	LERR			COMPASS	8435	A
COMPASS		SA6	EFLG			COMPASS	8436	A
COMPASS	HRE1	SA4	O.LRMTAB	SEARCH FOR START OF LABELED RMT		COMPASS	8437	A
COMPASS		SA3	L.LRMTAB			COMPASS	8438	A
COMPASS		SB6	X4			COMPASS	8439	A
COMPASS		SB7	B6+X3			COMPASS	8440	A
COMPASS		MX0	12			COMPASS	8441	A
COMPASS		SA1	LOCSYM			COMPASS	8442	A
COMPASS	HRE2	EQ	B6,B7,HRE6	IF END OF LABELED RMT		COMPASS	8443	A
COMPASS		SA2	B6			COMPASS	8444	A
COMPASS		BX6	X2-X1			COMPASS	8445	A
COMPASS		SB6	B6+B1			COMPASS	8446	A
COMPASS		NZ	X6,HRE2	LOOP		COMPASS	8447	A
COMPASS		SX7	B6	SEARCH FOR END OF GROUP		COMPASS	8448	A
COMPASS	HRE3	EQ	B6,B7,HRE4	IF END OF LABELED RMT		COMPASS	8449	A
COMPASS		SA2	B6			COMPASS	8450	A
COMPASS		BX6	X0*X2			COMPASS	8451	A
COMPASS		SB6	B6+B1			COMPASS	8452	A
COMPASS		ZR	X2,HRE3	LOOP IF END-OF-LINE		COMPASS	8453	A
COMPASS		NZ	X6,HRE3	LOOP IF NOT NEXT LABEL		COMPASS	8454	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS		SB6	B6-B1		COMPASS	8455	A
COMPASS	HRE4	IX6	X7-X4	SET REMOTE INDEX	COMPASS	8456	A
COMPASS		SA6	P1TEMPA		COMPASS	8457	A
COMPASS		SX2	B6	SET LENGTH	COMPASS	8458	A
COMPASS		IX6	X2-X7		COMPASS	8459	A
COMPASS		SA6	A6+B1		COMPASS	8460	A
COMPASS		ZR	X6,HRE5	IF ZERO LENGTH RMT	COMPASS	8461	A
COMPASS		MANAGE	RASTAB,X6	TRANSFER TEXT	COMPASS	8462	A
COMPASS		SA1	P1TEMPB		COMPASS	8463	A
COMPASS		SA4	O.LRMTAB		COMPASS	8464	A
COMPASS		SA5	A1-B1		COMPASS	8465	A
COMPASS		IX3	X2+X3		COMPASS	8466	A
COMPASS		IX3	X3-X1		COMPASS	8467	A
COMPASS		IX2	X4+X5		COMPASS	8468	A
COMPASS		RJ	MOVE		COMPASS	8469	A
COMPASS		RJ	ASU	ACCUMULATE STORAGE USED	CMP042	256	A
COMPASS	HRE5	SA1	L.LRMTAB	DELETE TEXT FROM LRMTAB	COMPASS	8470	A
COMPASS		SA2	O.LRMTAB		COMPASS	8471	A
COMPASS		SA3	P1TEMPA		COMPASS	8472	A
COMPASS		SA4	A3+B1		COMPASS	8473	A
COMPASS		SX5	B1		COMPASS	8474	A
COMPASS		IX7	X2+X1		COMPASS	8475	A
COMPASS		IX3	X3+X2		COMPASS	8476	A
COMPASS		IX2	X3+X4		COMPASS	8477	A
COMPASS		IX3	X3-X5		COMPASS	8478	A
COMPASS		IX6	X2-X3		COMPASS	8479	A
COMPASS		IX6	X1-X6		COMPASS	8480	A
COMPASS		IX1	X7-X2		COMPASS	8481	A
COMPASS		SA6	A1		COMPASS	8482	A
COMPASS		ZR	X6,HRE6	IF END OF LABELED RMT TABLE	COMPASS	8483	A
COMPASS		ZR	X1,HRE1	IF NO DATA TO MOVE	COMPASS	8484	A
COMPASS		RJ	MOVE		COMPASS	8485	A
COMPASS		EQ	HRE1	LOOP	COMPASS	8486	A
COMPASS	HRE6	PCARD	RASTAB	PACK TERMINATION CARD	COMPASS	8487	A
COMPASS		SA4	LOCSYM		COMPASS	8488	A
COMPASS		EQ	HEREPK1		COMPASS	8489	A
COMPASS					COMPASS	8490	A
COMPASS	*			END CARD PROCESSING COMES HERE TO ASSEMBLE ALL WAITING	COMPASS	8491	A
COMPASS	*			RMT CODE.	COMPASS	8492	A
COMPASS					COMPASS	8493	A
COMPASS	HEREPK	PCARD	RMTAB	PACK TERMINATION CARD	COMPASS	8494	A
COMPASS		SA1	L.RASTAB		COMPASS	8495	A
COMPASS		BX6	X1		COMPASS	8496	A
COMPASS		SA6	P1TEMP		COMPASS	8497	A
COMPASS		SA1	L.RMTAB		COMPASS	8498	A
COMPASS		MANAGE	RASTAB,X1		COMPASS	8499	A
COMPASS		RJ	ASU	ACCUMULATE STORAGE USED	CMP042	257	A
COMPASS		SA2	O.RASTAB		CMP042	258	A
COMPASS		SA3	L.RASTAB		CMP042	259	A
COMPASS		SA1	L.RMTAB		COMPASS	8500	A
COMPASS		IX2	X3+X2		COMPASS	8501	A
COMPASS		IX3	X2-X1		COMPASS	8502	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA2	O.RMTAB	COMPASS	8503	A
COMPASS	MX6	0	COMPASS	8504	A
COMPASS	SA6	A1	COMPASS	8505	A
COMPASS	RJ	MOVE	COMPASS	8506	A
COMPASS	SA4	=5R*RMT*	COMPASS	8507	A
COMPASS	HEREPK1 SA1	P1TEMP	COMPASS	8508	A
COMPASS	SX2	3 TYPE 3	COMPASS	8509	A
COMPASS	SX3	X1	COMPASS	8510	A
COMPASS	MX5	0	COMPASS	8511	A
COMPASS	RJ	PUSHDOWN	COMPASS	8512	A
COMPASS	SX6	B1	COMPASS	8513	A
COMPASS	SA6	RMTFLG	COMPASS	8514	A
COMPASS	MX7	0	COMPASS	8515	A
COMPASS	SA7	TXTFLG	COMPASS	8516	A
COMPASS	EQ	CTL100	COMPASS	8517	A
COMPASS	HERE SPACE	4	COMPASS	8518	A
COMPASS	**	HERE - ASSEMBLE RMT CODE.	COMPASS	8519	A
COMPASS			COMPASS	8520	A
COMPASS			COMPASS	8521	A
COMPASS	QUAL	PASS2	COMPASS	8522	A
COMPASS	HERE EQU	ZLIST	COMPASS	8523	A
COMPASS	IDENT SPACE	4	COMPASS	8524	A
COMPASS	***	IDENT - PROGRAM IDENTIFIER.	COMPASS	8525	A
COMPASS	*		COMPASS	8526	A
COMPASS	*		COMPASS	8527	A
COMPASS	*	IDENT NAME,ORIGIN,ENTRY,L1,L2	COMPASS	8528	A
COMPASS	*	IDENT DECLARES THE START OF THE PROGRAM. IF IDENT OCCURS	COMPASS	8529	A
COMPASS	*	IN THE MIDDLE OF A PROGRAM, THE ACCUMULATED BINARY	COMPASS	8530	A
COMPASS	*	IS WRITTEN OUT AND A NEW BINARY IS STARTED.	COMPASS	8531	A
COMPASS	*	(NAME) IS THE NAME OF THE OVERLAY GENERATED.	COMPASS	8532	A
COMPASS	*	(ORIGIN) IS THE FIRST WORD ADDRESS OF THE OVERLAY.	COMPASS	8533	A
COMPASS	*	FOR A CP ABSOLUTE PROGRAM -	COMPASS	8534	A
COMPASS	*	(ENTRY) SPECIFIES THE ENTRY POINT.	COMPASS	8535	A
COMPASS	*	(L1,L2) IS THE OVERLAY LEVEL NUMBER. (0,0) IS	COMPASS	8536	A
COMPASS	*	ASSUMED FOR THE FIRST OVERLAY AND (1,0) IS	COMPASS	8537	A
COMPASS	*	ASSUMED IF (L1,L2) IS MISSING.	COMPASS	8538	A
COMPASS			COMPASS	8539	A
COMPASS			COMPASS	8540	A
COMPASS	QUAL	PASS1	COMPASS	8541	A
COMPASS	IDENT SA1	ABSFG	COMPASS	8542	A
COMPASS	ZR	X1,CTL80 IF RELOCATABLE CP CODE	COMPASS	8543	A
COMPASS	RJ	COB CLOSE OUT BLOCKS	COMPASS	8544	A
COMPASS	MX6	0	CMP19	126	A
COMPASS	SA6	LOCSYM	CMP19	127	A
COMPASS	RJ	DSL DEFINE SYMBOL LITERALS	COMPASS	8545	A
COMPASS	SA1	UI+1 RELOCATE USE TABLE	COMPASS	8546	A
COMPASS	RJ	RUT	COMPASS	8547	A
COMPASS	BX6	X0 OVERLAY LENGTH	COMPASS	8548	A
COMPASS	LX6	-21 EXTEND SIGN	COMPASS	8549	A
COMPASS	AX6	-21	COMPASS	8550	A
COMPASS	SA6	ORGCTR	COMPASS	8551	I
-CMP030					
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	MX6	0	COMPASS	8552	I
-CMP030					
COMPASS	SA6	A6+B1	COMPASS	8553	I
-CMP030					
COMPASS	SA6	P1TEMP	CMP030	1	A
COMPASS	SA1	ORGCTR+1	CMP030	2	A
COMPASS	NZ	X1,*+1	CMP030	3	A
		IF NOT ABSOLUTE BLOCK			
COMPASS	SA1	UI+1	CMP030	4	A
COMPASS	SA2	0.USETAB	CMP030	5	A
COMPASS	SA3	UI	RSM4159	9	A
COMPASS	IX2	X2+X3	RSM4159	10	A
COMPASS	LX4	X1,B1	CMP030	6	I
-CMP30					
COMPASS	IX1	X4+X1	CMP030	7	I
-CMP30					
COMPASS	LX1	1	CMP030	8	I
-CMP30					
COMPASS	LX1	2	CMP30	2922	A
COMPASS	IX3	X1+X2	CMP030	9	A
COMPASS	SA2	X3-4	CMP030	10	I
-CMP30		BLOCK ORIGIN			
COMPASS	SA2	X3-2	CMP30	2923	A
		BLOCK ORIGIN			
COMPASS	SA1	ORGCTR	CMP030	11	A
COMPASS	MX0	-21	CMP030	12	A
COMPASS	BX2	-X0*X2	CMP030	13	A
COMPASS	IX6	X1+X2	CMP030	14	A
COMPASS	MX7	0	CMP030	15	A
COMPASS	SA6	A1	CMP030	16	A
COMPASS	SA7	A6+B1	CMP030	17	A
COMPASS	RJ	RST	COMPASS	8554	A
COMPASS	SA1	L.SEGTAB	COMPASS	8555	A
COMPASS	SA2	SI	COMPASS	8556	A
COMPASS	BX6	X1	COMPASS	8557	A
COMPASS	IX7	X1-X2	COMPASS	8558	A
COMPASS	SA6	A2	COMPASS	8559	A
COMPASS	SX7	X7-4	COMPASS	8560	A
COMPASS	NZ	X7,IDT1	COMPASS	8561	A
		IF SEGMENT CARDS			
COMPASS	SA1	P1TEMP	CMP030	18	A
COMPASS	MX7	0	CMP030	19	A
COMPASS	BX6	X1	CMP030	20	A
COMPASS	SA6	ORGCTR	CMP030	21	A
COMPASS	SA7	A6+B1	CMP030	22	A
COMPASS	RJ	RSL	COMPASS	8562	A
		RECORD SEGMENT LENGTH			
COMPASS	IDT1	AVO	COMPASS	8563	A
COMPASS	RJ	AUT	COMPASS	8564	A
COMPASS	RJ	RSS	COMPASS	8565	A
		RECORD SEGMENT START			
COMPASS	RJ	ASU	CMP042	260	I
-CMP30					
COMPASS	RJ	SCLIST	COMPASS	8566	A
		READ OVERLAY NAME			
COMPASS	BX1	X6	COMPASS	8567	I
-CPS002					
COMPASS	RJ	VFYLINK	S002 47 CPS002	35	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS		MX6	0	RESET ORG AND LOC COUNTERS	COMPASS	8568	A
COMPASS		SA2	ORGCTR		COMPASS	8569	A
COMPASS		SA6	L.USTACK		COMPASS	8570	I
-CMP30							
COMPASS		BX7	X2		COMPASS	8571	A
COMPASS		SA7	LOCCTR		COMPASS	8572	A
COMPASS		SA6	A2+B1		COMPASS	8573	A
COMPASS		SA6	A7+B1		COMPASS	8574	A
COMPASS		ZR	X1,CTL70	IF NO NAME ON IDENT	COMPASS	8575	A
COMPASS		SA6	A2		COMPASS	8576	A
COMPASS		SA6	A7		COMPASS	8577	A
COMPASS		RJ	DIM	DISPLAY IDENT MESSAGE	COMPASS	8578	A
COMPASS		EQ	CTL70		COMPASS	8579	A
COMPASS	IDENT	SPACE	4		COMPASS	8580	A
COMPASS	**	IDENT	PROGRAM IDENTIFIER.				
COMPASS					COMPASS	8581	A
COMPASS					COMPASS	8582	A
COMPASS					COMPASS	8583	A
COMPASS		QUAL	PASS2		COMPASS	8584	A
COMPASS	IDENT	SA1	ABSFG		COMPASS	8585	A
COMPASS		ZR	X1,ZLIST	IF RELOCATABLE CP CODE	COMPASS	8586	A
COMPASS		RJ	ZFUALL	FORCE UPPER ALL BLOCKS	COMPASS	8587	A
COMPASS		RJ	PLT	PRINT LITERAL TABLE	CMP17	12	A
COMPASS		RJ	DLAST	DUMP BSSZ CODE	COMPASS	8588	I
-CP13226							
COMPASS		RJ	DBSSZ	DUMP BSSZ CODE	CP13226	3	A
COMPASS		RJ	DDUMP	WRITE BINARY	COMPASS	8589	A
COMPASS		RJ	AEI	ADVANCE ENTRY INDEX	COMPASS	8590	A
COMPASS		SX6	0100B	SET DEFAULT (1,0) OVERLAY	COMPASS	8591	A
COMPASS		SA6	P2TEMPA		COMPASS	8592	I
-CPS002							
COMPASS		SX1	B0		S002 49 CPS002	36	A
COMPASS		RJ	SIC	SCAN IDENT CARD	COMPASS	8593	A
COMPASS		SA1	=1H	CLEAR USE NAME	COMPASS	8594	I
-CMP17							
COMPASS		BX6	X1		COMPASS	8595	I
-CMP17							
COMPASS		SA6	UNAME		COMPASS	8596	I
-CMP17							
COMPASS		SA1	P2TEMP	CHECK NAME	COMPASS	8597	A
COMPASS		ZR	X1,IDT1	IF NO NAME	COMPASS	8598	A
COMPASS		WRITER	B		COMPASS	8599	I
-CMP30							
COMPASS		SA1	P2TEMP	DUMP IDENT TABLE	COMPASS	8600	I
-CMP30							
COMPASS		SA2	B		CMP30	2924	A
COMPASS		ZR	X2,IDT0	IF NO BINARY FILE	CMP30	2925	A
COMPASS		WEOR	B		CMP30	2926	A
COMPASS	IDT0	SA1	P2TEMP	DUMP IDENT TABLE	CMP30	2927	A
COMPASS		SA2	A1+B1		COMPASS	8601	A
COMPASS		RJ	DFIRST		COMPASS	8602	A
COMPASS		RJ	DLT	DUMP LITERAL TABLE	COMPASS	8603	A
COMPASS		RJ	SMO	SET MAX AND MIN ORIGINS	COMPASS	8604	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	RJ	ASU	ACCUMULATE STORAGE USED	CMP042	261	I
COMPASS -CMP30	MX6	0		COMPASS	8605	I
COMPASS -CMP30	SA6	L.USTACK		COMPASS	8606	I
COMPASS -CMP30	SA1	DKNAM		COMPASS	8607	I
COMPASS -CMP30	RJ	DIM	DISPLAY IDENT MESSAGE	COMPASS	8608	I
COMPASS -CMP30	EQ	ZLIST		COMPASS	8609	A
COMPASS IDT1	SA1	LPGM	SET NEXT ORG ADDRESS	COMPASS	8610	A
COMPASS	BX6	X1		COMPASS	8611	A
COMPASS	SA6	ORGBASE		COMPASS	8612	A
COMPASS	RJ	SBL	SET BINARY LENGTH	COMPASS	8613	A
COMPASS	RJ	DLT	DUMP LITERAL TABLE	COMPASS	8614	A
COMPASS	RJ	SMO	SET MAX AND MIN ORIGINS	COMPASS	8615	A
COMPASS	RJ	ASU	ACCUMULATE STORAGE USED	CMP042	262	I
COMPASS -CMP30	SA1	ORGBASE	SET ORG AND LOC COUNTERS	COMPASS	8616	A
COMPASS	MX6	0		COMPASS	8617	I
COMPASS -CMP30	BX7	X1		COMPASS	8618	A
COMPASS	SA6	L.USTACK		COMPASS	8619	I
COMPASS -CMP30	SA7	ORGCTR		COMPASS	8620	A
COMPASS	SA7	LOCCTR		COMPASS	8621	A
COMPASS	EQ	ZLIST		COMPASS	8622	A
COMPASS IF	SPACE	4		COMPASS	8623	A
COMPASS ***	IF	TEST SYMBOL OR EXPRESSION ATTRIBUTE.		COMPASS	8624	A
COMPASS *				COMPASS	8625	A
COMPASS *				COMPASS	8626	A
COMPASS *NAME	IF	ATT,EXP,LNCT		COMPASS	8627	A
COMPASS *	TESTS EXPRESSION (EXP) ACCORDING TO MNEMONIC TEST			COMPASS	8628	A
COMPASS *	DEFINED BY (ATT). A *-* PREFIX TO THE MNEMONIC CAUSES			COMPASS	8629	A
COMPASS *	ASSEMBLY ON A FALSE CONDITION.			COMPASS	8630	A
COMPASS *	(NAME) IS INSTRUCTION BRACKET NAME. OPTIONAL COUNT (LNCT)			COMPASS	8631	A
COMPASS *	IS NUMBER OF LINES TO BE ASSEMBLED IF ATTRIBUTE IS TRUE.			COMPASS	8632	A
COMPASS *				COMPASS	8633	A
COMPASS *	ATTRIBUTE	TEST		COMPASS	8634	A
COMPASS *				COMPASS	8635	A
COMPASS *	ABS	EXPRESSION ABSOLUTE.		COMPASS	8636	A
COMPASS *	COM	EXPRESSION IS RELOCATABLE IN COMMON BLOCK.		COMPASS	8637	A
COMPASS *	DEF	ALL SYMBOLS IN EXPRESSION HAVE BEEN		COMPASS	8638	A
COMPASS *		DEFINED.		COMPASS	8639	A
COMPASS *	EXT	EXTERNAL SYMBOL IN EXPRESSION.		COMPASS	8640	A
COMPASS *	LCM	EXPRESSION IS RELOCATABLE IN ECS/LCM BLOCK.		CP096A	363	A
COMPASS *	LOC	EXPRESSION IS PROGRAM RELOCATABLE.		COMPASS	8641	A
COMPASS *	MAC	NAME IS DEFINED MACRO, PSEUDO, OR PP INSTR.		CP096A	364	A
COMPASS *	MIC	NAME IS MICRO.		COMPASS	8642	A
COMPASS *	REG	SYMBOL IN EXPRESSION IS REGISTER NAME.		COMPASS	8643	A
COMPASS *	REL	EXPRESSION IS RELOCATABLE.		COMPASS	8644	A

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## 1412THE

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0	1	2	3	4	5	6	7	8
12345678901	23456789012	34567890123	45678901234	56789012345	67890123456	78901234567	89012345678	90123456789



## 14121HE

1[illegible]

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP30

1	COMPASS		NZ	X1,IFM1	IF NAME NOT FOUND	COMPASS	8695	I	1
2		-CMP30							2
3	COMPASS		SX6	B2+B1		COMPASS	8696	I	3
4		-CMP30							4
5	COMPASS		BX7	X6		CMP30	2928	A	5
6	COMPASS		MX6	0		CMP30	2929	A	6
7	COMPASS		ZR	X7,IF4	IF NULL MICRO NAME	CMP30	2930	A	7
8	COMPASS		RJ	TLUMIC	LOOK UP MICRO	CMP30	2931	A	8
9	COMPASS		SX6	B4		CMP30	2932	A	9
10	COMPASS		SX7	B1		CMP146A	1	A	10
11	COMPASS		SA7	FLAG		CMP146A	2	A	11
12	COMPASS		EQ	IF4		COMPASS	8697	A	12
13	COMPASS					COMPASS	8698	A	13
14	COMPASS	*	IF	SET,SYM,LNCT		COMPASS	8699	A	14
15	COMPASS					COMPASS	8700	A	15
16	COMPASS	IFSET	RJ	SCLIST	LOOK UP SYMBOL	COMPASS	8701	I	16
17		-CMP19							17
18	COMPASS		BX1	X6		COMPASS	8702	I	18
19		-CMP19							19
20	COMPASS		RJ	TLUSYMT		COMPASS	8703	I	20
21		-CMP19							21
22	COMPASS		ZR	X2,IFSET1		COMPASS	8704	I	22
23		-CMP19							23
24	COMPASS		SX1	B1		COMPASS	8705	I	24
25		-CMP19							25
26	COMPASS		LX1	33		COMPASS	8706	I	26
27		-CMP19							27
28	COMPASS		BX6	X1*X2	EXTRACT REDEFINITION BIT	COMPASS	8707	I	28
29		-CMP19							29
30	COMPASS	IFSET	SX6	10B	SET BIT MASK	CMP19	128	I	30
31		-CMP029							31
32	COMPASS	IFSET	SX6	4	SET BIT MASK	CMP029	74	A	32
33	COMPASS	IFS1	SA6	P1TEMPA		CMP19	129	A	33
34	COMPASS		SA1	CHAR		CMP19	130	A	34
35	COMPASS		SB7	X1-1R/		CMP19	131	A	35
36	COMPASS		ZR	B7,IFS2	IF SLASH	CMP19	132	A	36
37	COMPASS		RJ	SCITEM	SCAN UNQUALIFIED SYMBOL	CMP19	133	A	37
38	COMPASS		ZR	X6,IFS7	IF NO SYMBOL	CMP19	134	A	38
39	COMPASS		BX1	X6		CMP19	135	A	39
40	COMPASS		RJ	TLUSYMT	LOOK UP SYMBOL	CMP19	136	A	40
41	COMPASS		NZ	X3,IFS4	IF FOUND	CMP19	137	A	41
42	COMPASS		EQ	IFS8		CMP19	138	A	42
43	COMPASS	IFS2	RJ	GETCH	SKIP LEADING SLASH	CMP19	139	A	43
44	COMPASS		SA1	CHAR		CMP19	140	A	44
45	COMPASS		SX6	X1-1R/		CMP19	141	A	45
46	COMPASS		ZR	X6,IFS3	IF BLANK QUALIFIER	CMP19	142	A	46
47	COMPASS		RJ	SCITEM	SCAN QUALIFIER NAME	CMP19	143	A	47
48	COMPASS		SB7	X1-1R/		CMP19	144	A	48
49	COMPASS		NZ	B7,IFS7	IF NO TRAILING SLASH	CMP19	145	A	49
50	COMPASS	IFS3	BX1	X6		CMP19	146	A	50
51	COMPASS		RJ	SQV	SET QUALIFIER VALUE	CMP19	147	A	51

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## 1412THE

1[illegible]

LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA6	UERR	COMPASS	8711	A
COMPASS	EQ	CTL300	COMPASS	8712	A
COMPASS			COMPASS	8713	A
COMPASS *	IF	SST,SYM,LNCT	COMPASS	8714	A
COMPASS			COMPASS	8715	A
COMPASS IFSST	RJ	SCLIST	COMPASS	8716	I
-CMP19		LOOK UP SYMBOL			
COMPASS	BX1	X6	COMPASS	8717	I
-CMP19					
COMPASS	RJ	TLUSYMT	COMPASS	8718	I
-CMP19					
COMPASS	ZR	X2,IFSET1	COMPASS	8719	I
-CMP19		IF NOT DEFINED			
COMPASS	SX1	B1	COMPASS	8720	I
-CMP19					
COMPASS	LX1	32	COMPASS	8721	I
-CMP19					
COMPASS	BX6	X1*X2	COMPASS	8722	I
-CMP19		EXTRACT SST BIT			
COMPASS	EQ	IF4	COMPASS	8723	I
-CMP19					
COMPASS IFSST	SX6	4	CMP19	178	I
-CMP029		SST BIT MASK			
COMPASS IFSST	SX6	2	CMP029	77	A
COMPASS	EQ	IFS1	CMP19	179	A
COMPASS			COMPASS	8724	A
COMPASS *	IF	REL,EXP,LNCT	COMPASS	8725	A
COMPASS			COMPASS	8726	A
COMPASS IFREL	SX1	60	COMPASS	8727	A
COMPASS	RJ	SCAD	COMPASS	8728	A
COMPASS	SA1	EXREL	COMPASS	8729	A
COMPASS	BX6	X1	COMPASS	8730	A
COMPASS	EQ	IF4	COMPASS	8731	A
COMPASS			COMPASS	8732	A
COMPASS *	IF	ABS,EXP,LNCT	COMPASS	8733	A
COMPASS			COMPASS	8734	A
COMPASS IFABS	SX1	60	COMPASS	8735	A
COMPASS	RJ	SCAD	COMPASS	8736	A
COMPASS	SA1	EXREL	COMPASS	8737	A
COMPASS	SA2	EXEXT	COMPASS	8738	A
COMPASS	MX6	0	COMPASS	8739	A
COMPASS	BX1	X2+X1	COMPASS	8740	A
COMPASS	NZ	X1,IF4	COMPASS	8741	A
COMPASS	SX6	B1	COMPASS	8742	A
COMPASS	EQ	IF4	COMPASS	8743	A
COMPASS			COMPASS	8744	A
COMPASS *	IF	REG,EXP,LNCT	COMPASS	8745	A
COMPASS			COMPASS	8746	A
COMPASS IFREG	SX1	60	COMPASS	8747	I
-CMP146					
COMPASS IFREG	SX6	B1	CMP146	2	A
COMPASS	SA6	IFDF	CMP146	3	A

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1412THE



## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS		SX1	60		CMP146	4	A
COMPASS		RJ	SCAD		COMPASS	8748	A
COMPASS		SA1	EXREG		COMPASS	8749	A
COMPASS		BX6	X1		COMPASS	8750	A
COMPASS		SA1	UERR		COMPASS	8751	I
	-CMP146						
COMPASS		EQ	IFNOU		COMPASS	8752	A
COMPASS					COMPASS	8753	A
COMPASS	*	IF	COM,EXP,LNCT		COMPASS	8754	A
COMPASS					COMPASS	8755	A
COMPASS	IFCOM	SX1	60		COMPASS	8756	A
COMPASS		RJ	SCAD		COMPASS	8757	A
COMPASS		MX6	0		COMPASS	8758	A
COMPASS		SX5	B0		COMPASS	8759	A
COMPASS		SA1	EXREL		COMPASS	8760	A
COMPASS	IFCOMLOC	MX0	60-8		COMPASS	8761	A
COMPASS		ZR	X1,IF4		COMPASS	8762	A
COMPASS		BX1	-X0*X1		COMPASS	8763	A
COMPASS		IX2	X1+X1		COMPASS	8764	I
	-CMP30						
COMPASS		IX2	X2+X1		COMPASS	8765	I
	-CMP30						
COMPASS		LX2	1		COMPASS	8766	I
	-CMP30						
COMPASS		SB7	X2-4		COMPASS	8767	I
	-CMP30						
COMPASS		LX1	2		CMP30	2933	A
COMPASS		SB7	X1-2		CMP30	2934	A
COMPASS		SA1	0.USETAB		COMPASS	8768	A
COMPASS		SA3	UI		COMPASS	8769	A
COMPASS		IX1	X1+X3		COMPASS	8770	A
COMPASS		SA2	X1+B7		COMPASS	8771	A
COMPASS		SX0	B1		COMPASS	8772	A
COMPASS		BX3	X0*X2		COMPASS	8773	A
COMPASS		BX6	X5-X3		COMPASS	8774	A
COMPASS		EQ	IF4		COMPASS	8775	A
COMPASS					COMPASS	8776	A
COMPASS	*	IF	LOC,EXP,LNCT		COMPASS	8777	A
COMPASS					COMPASS	8778	A
COMPASS	IFLOC	SX1	60		COMPASS	8779	A
COMPASS		RJ	SCAD		COMPASS	8780	A
COMPASS		MX6	0		COMPASS	8781	A
COMPASS		SX5	B1		COMPASS	8782	A
COMPASS		SA1	EXREL		COMPASS	8783	A
COMPASS		EQ	IFCOMLOC		COMPASS	8784	A
COMPASS					COMPASS	8785	A
COMPASS	*	IF	EXT,EXP,LNCT		COMPASS	8786	A
COMPASS					COMPASS	8787	A
COMPASS	IFEXT	SX1	60		COMPASS	8788	I
	-CMP146						
COMPASS	IFEXT	SX6	B1	PREVENT U-ERRORS	CMP146	5	A
COMPASS		SA6	IFDF		CMP146	6	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

1	COMPASS		SX1	60		CMP146	7	A	1
2	COMPASS		RJ	SCAD		COMPASS	8789	A	2
3	COMPASS		SA1	EXEXT		COMPASS	8790	A	3
4	COMPASS		BX6	X1		COMPASS	8791	A	4
5	COMPASS	-CMP146	SA1	UERR		COMPASS	8792	I	5
6	COMPASS		EQ	IFNOU		COMPASS	8793	A	6
7	COMPASS					COMPASS	8794	A	7
8	COMPASS	*	IF	DEF,EXP,LNCT		COMPASS	8795	A	8
9	COMPASS					COMPASS	8796	A	9
10	COMPASS	IFDEF	SX1	60		COMPASS	8797	I	10
11	COMPASS	-CMP146							11
12	COMPASS	IFDEF	SX6	B1	PREVENT U-ERRORS	CMP146	8	A	12
13	COMPASS		SA6	IFDF		CMP146	9	A	13
14	COMPASS		SX1	60		CMP146	10	A	14
15	COMPASS		RJ	SCAD		COMPASS	8798	A	15
16	COMPASS		SA1	UERR		COMPASS	8799	I	16
17	COMPASS	-CMP146							17
18	COMPASS		SX6	X1-1		COMPASS	8800	I	18
19	COMPASS	-CMP146							19
20	COMPASS		SA1	IFDF	UNDEFINED SYMBOL CAUSES IFDF = 2	CMP146	11	A	20
21	COMPASS		SX6	X1-2		CMP146	12	A	21
22	COMPASS	*			DEF EXT REG DONT GIVE U ERRORS	COMPASS	8801	A	22
23	COMPASS	IFNOU	SX7	B0		COMPASS	8802	I	23
24	COMPASS	-CMP146							24
25	COMPASS		SA7	A1		COMPASS	8803	I	25
26	COMPASS	-CMP146							26
27	COMPASS		SB7	LEFLG-1	CLEAR EFLG IF NOW NO ERRORS	CMP029	78	I	27
28	COMPASS	-CMP146							28
29	COMPASS		SA1	ERFLAGS		CMP029	79	I	29
30	COMPASS	-CMP146							30
31	COMPASS	IFNOU1	SB7	B7-B1		CMP029	80	I	31
32	COMPASS	-CMP146							32
33	COMPASS		BX7	X7+X1		CMP029	81	I	33
34	COMPASS	-CMP146							34
35	COMPASS		NO			CMP029	82	I	35
36	COMPASS	-CMP146							36
37	COMPASS		SA1	A1+B1		CMP029	83	I	37
38	COMPASS	-CMP146							38
39	COMPASS		PL	B7,IFNOU1	LOOP	CMP029	84	I	39
40	COMPASS	-CMP146							40
41	COMPASS		SA7	EFLG		CMP029	85	I	41
42	COMPASS	-CMP146							42
43	COMPASS	IFNOU	SX7	B0		CMP146	13	A	43
44	COMPASS		SA7	IFDF	CLEAR IF DEF FLAG	CMP146	14	A	44
45	COMPASS		SX7	B1	SIGNAL PASS 2 TO PREVENT U-ERRORS	CMP146	15	A	45
46	COMPASS		SA7	FLAG		CMP146	16	A	46
47	COMPASS		EQ	IF4A		COMPASS	8804	A	47
48	COMPASS					COMPASS	8805	A	48
49	COMPASS	*	N.B.	X6 " 0 IF CONDITION TRUE, X6 = 0 IF FALSE.		COMPASS	8806	A	49
50	COMPASS					COMPASS	8807	A	50
51	COMPASS	IF4	SA1	UERR		COMPASS	8808	A	51
52									52
53		0	1	2	3	4	5	6	53
54		1234567890123456							

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	NZ	X1,CTL70	COMPASS	8809	A
COMPASS IF4A	SA1	P1TEMP	COMPASS	8810	A
COMPASS	ZR	X6,IF5 JUMP IF CONDITION FALSE	COMPASS	8811	A
COMPASS	ZR	X1,IFXXNO IF TRUTH WANTED	COMPASS	8812	A
COMPASS	EQ	CTL300	COMPASS	8813	A
COMPASS IF5	NZ	X1,IFXXNO JUMP IF FALSENESS WANTED	COMPASS	8814	A
COMPASS	EQ	CTL300	COMPASS	8815	A
COMPASS IF	SPACE	4	COMPASS	8816	A
COMPASS **	IF	- TEST SYMBOL OR EXPRESSION ATTRIBUTE.	COMPASS	8817	A
COMPASS			COMPASS	8818	A
COMPASS			COMPASS	8819	A
COMPASS	QUAL	PASS2	COMPASS	8820	A
COMPASS IF	SA1	LR+1 CHECK FOR REFERENCE AND F-LIST	COMPASS	8821	A
COMPASS	SA2	LF+1	COMPASS	8822	A
COMPASS	BX6	X1*X2	COMPASS	8823	A
COMPASS	ZR	X6,ZLIST IF NO REFERENCE OF IF STATEMENTS	COMPASS	8824	A
COMPASS	SA1	CHAR	CP096A	401	A
COMPASS	SB7	X1-1R-	CP096A	402	A
COMPASS +	NZ	B7,*+1 SKIP MINUS PREFIX	CP096A	403	A
COMPASS	RJ	GETCH	CP096A	404	A
COMPASS +	RJ	SCLIST SCAN ATTRIBUTE NAME	CP096A	405	A
COMPASS	SX1	3RMIC	CP096A	406	A
COMPASS	SX2	3RMAC AVOID CROSS-REFERENCING	CP096A	407	A
COMPASS	IX1	X1-X6 MICRO AND MACRO NAMES AS SYMBOLS	CP096A	408	A
COMPASS	BX2	X2-X6	CP096A	409	A
COMPASS	ZR	X1,ZLIST IF *MIC*	CP096A	410	A
COMPASS	ZR	X2,ZLIST IF *MAC*	CP096A	411	A
COMPASS	SA1	UERR	COMPASS	8825	I
-CMP146					
COMPASS	SA1	FLAG SET IF DEF FLAG FROM PASS 1	CMP146	17	A
COMPASS	BX6	X1	COMPASS	8826	A
COMPASS	SA6	P2TEMP	COMPASS	8827	I
-CMP146					
COMPASS	SA6	IFDF	CMP146	18	A
COMPASS	SX6	1RF	COMPASS	8828	A
COMPASS	SA6	REFLET	COMPASS	8829	A
COMPASS	RJ	SCLIST	COMPASS	8830	I
-CP096A					
COMPASS	SX1	60	COMPASS	8831	A
COMPASS	RJ	SCAD	COMPASS	8832	A
COMPASS	SX6	1R	COMPASS	8833	A
COMPASS	SA6	REFLET	COMPASS	8834	A
COMPASS	SA1	P2TEMP	COMPASS	8835	I
-CMP146					
COMPASS	BX6	X1	COMPASS	8836	I
-CMP146					
COMPASS	SA6	UERR	COMPASS	8837	I
-CMP146					
COMPASS	SX6	B0 CLEAR IF DEF FLAG	CMP146	19	A
COMPASS	SA6	IFDF	CMP146	20	A
COMPASS	EQ	ZLIST RETURN	COMPASS	8838	A
COMPASS IFC	SPACE	4	COMPASS	8839	A
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	***	IFC - TEST CHARACTER STRINGS.			COMPASS	8840	A
1	COMPASS	*				COMPASS	8841	A
2	COMPASS	*				COMPASS	8842	A
3	COMPASS	*NAME	IFC	XX,*STRING1*STRING2*,LNCT	COMPASS	8843	A	
4	COMPASS	*	(NAME) IS INSTRUCTION BRACKET NAME. OPTIONAL (LNCT) IS			COMPASS	8844	A
5	COMPASS	*	NUMBER OF LINES TO BE SKIPPED IF COMPARISON IS FALSE.			COMPASS	8845	A
6	COMPASS	*	DELIMITER IS ANY CHARACTER (*). (XX) IS A RELATIONAL MNEMONIC.			COMPASS	8846	A
7	COMPASS	*	(-XX) IS THE OPPOSITE OF THE RELATIONAL MNEMONIC.			COMPASS	8847	A
8	COMPASS	*				COMPASS	8848	A
9	COMPASS	*	RELATION	COMPARISON OF FIELDS		COMPASS	8849	A
10	COMPASS	*				COMPASS	8850	A
11	COMPASS	*	EQ	EQUAL		COMPASS	8851	A
12	COMPASS	*	NE	NOT EQUAL		COMPASS	8852	A
13	COMPASS	*	GE	GREATER THAN OR EQUAL		COMPASS	8853	A
14	COMPASS	*	LT	LESS THAN		COMPASS	8854	A
15	COMPASS	*	LE	LESS THAN OR EQUAL		COMPASS	8855	A
16	COMPASS	*	GT	GREATER THAN		COMPASS	8856	A
17	COMPASS					COMPASS	8857	A
18	COMPASS					COMPASS	8858	A
19	COMPASS		QUAL	PASS1		COMPASS	8859	A
20	COMPASS	IFC	SA1	CHAR	CHECK LEADING MINUS SIGN	COMPASS	8860	A
21	COMPASS		SB7	X1-1R-		COMPASS	8861	A
22	COMPASS		SX0	B0		COMPASS	8862	A
23	COMPASS		MX4	12		COMPASS	8863	A
24	COMPASS		NZ	B7,IFC1	IF FIRST CHAR WAS NOT -	COMPASS	8864	A
25	COMPASS		SX0	B1		COMPASS	8865	A
26	COMPASS		RJ	GETCH	THROW AWAY MINUS SIGN	COMPASS	8866	A
27	COMPASS	IFC1	SB5	LIFCM-1		COMPASS	8867	A
28	COMPASS		RJ	SCITEM		COMPASS	8868	A
29	COMPASS		LX6	48		COMPASS	8869	A
30	COMPASS		SB7	X1-1R,		COMPASS	8870	A
31	COMPASS		SX3	B1		COMPASS	8871	A
32	COMPASS	+	SA5	IFCM+B5		COMPASS	8872	A
33	COMPASS		BX7	X5*X4		COMPASS	8873	A
34	COMPASS		SB5	B5-B1		COMPASS	8874	A
35	COMPASS		BX2	X7-X6		COMPASS	8875	A
36	COMPASS		ZR	X2,IFC2		COMPASS	8876	A
37	COMPASS		PL	B5,*-2		COMPASS	8877	A
38	COMPASS		EQ	CTL80		COMPASS	8878	A
39	COMPASS	IFC2	NZ	B7,CTL80	ERROR IF MODIFIER NOT FOLLOWED BY ,	COMPASS	8879	A
40	COMPASS		SB6	X5		COMPASS	8880	A
41	COMPASS		AX5	18		COMPASS	8881	A
42	COMPASS		BX0	X5-X0	CORRECT FOR TRUTH CONDITION	COMPASS	8882	A
43	COMPASS		SA5	B6+X0		COMPASS	8883	A
44	COMPASS		BX6	X5		COMPASS	8884	A
45	COMPASS		SX4	B1		COMPASS	8885	A
46	COMPASS		MX0	0		COMPASS	8886	A
47	COMPASS		SA1	A1+B1	FETCH DELIMITER	COMPASS	8887	A
48	COMPASS		SA6	IFCT		COMPASS	8888	A
49	COMPASS		SA2	LASTCOL		COMPASS	8889	A
50	COMPASS		BX7	X1		COMPASS	8890	A
51	COMPASS		SA7	X2+CARD+1		COMPASS	8891	I

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP12

1	COMPASS		SA7	X2+CARD		CMP12	4	A	
2	COMPASS		SA7	A7+B1		COMPASS	8892	A	
3	COMPASS		SA2	A1+B1	SEARCH FOR SECOND DELIMITER	COMPASS	8893	A	
4	COMPASS	+	BX5	X7-X2		COMPASS	8894	A	
5	COMPASS		SA2	A2+B1		COMPASS	8895	A	
6	COMPASS		NZ	X5,*		COMPASS	8896	A	
7	COMPASS		SA2	A2-B1		COMPASS	8897	A	
8	COMPASS		SX3	B1		COMPASS	8898		I
9		-CMP165							
10	COMPASS		BX4	X3		COMPASS	8899		I
11		-CMP165							
12	COMPASS	IFC3	BX1	X3	FETCH FIRST STRING CHAR IF NOT AT END	COMPASS	8900		I
13		-CMP165							
14	COMPASS		ZR	X3,*+2		COMPASS	8901		I
15		-CMP165							
16	COMPASS		SA1	A1+B1		COMPASS	8902		I
17		-CMP165							
18	COMPASS		BX3	X7-X1		COMPASS	8903		I
19		-CMP165							
20	COMPASS		NZ	X3,*+1		COMPASS	8904		I
21		-CMP165							
22	COMPASS		MX1	0		COMPASS	8905		I
23		-CMP165							
24	COMPASS		BX2	X4	FETCH 2ND STRING CHAR IF NOT AT END	COMPASS	8906		I
25		-CMP165							
26	COMPASS		ZR	X4,*+2		COMPASS	8907		I
27		-CMP165							
28	COMPASS		SA2	A2+B1		COMPASS	8908		I
29		-CMP165							
30	COMPASS		BX4	X7-X2		COMPASS	8909		I
31		-CMP165							
32	COMPASS		NZ	X4,*+1		COMPASS	8910		I
33		-CMP165							
34	COMPASS		MX2	0		COMPASS	8911		I
35		-CMP165							
36	COMPASS		NZ	X0,*+1	IF INEQUALITY AS BEEN FOUND	COMPASS	8912		I
37		-CMP165							
38	COMPASS	IFC3	MI	X1,IFC3A	IF NOT AT END OF FIRST STRING	CMP165	25	A	
39	COMPASS		SA1	A1+B1	FETCH NEXT CHARACTER	CMP165	26	A	
40	COMPASS		BX3	X1-X7		CMP165	27	A	
41	COMPASS		NZ	X3,IFC3A	IF NOT DELIMITER	CMP165	28	A	
42	COMPASS		SX1	-1		CMP165	29	A	
43	COMPASS	IFC3A	MI	X2,IFC3B	IF NOT AT END OF SECOND STRING	CMP165	30	A	
44	COMPASS		SA2	A2+B1	FETCH NEXT CHARACTER	CMP165	31	A	
45	COMPASS		BX3	X2-X7		CMP165	32	A	
46	COMPASS		NZ	X3,IFC3B	IF NOT DELIMITER	CMP165	33	A	
47	COMPASS		SX2	-1		CMP165	34	A	
48	COMPASS	IFC3B	NZ	X0,*+1	IF INEQUALITY HAS BEEN FOUND	CMP165	35	A	
49	COMPASS		IX0	X1-X2	MAKE STRING COMPARISON	COMPASS	8913	A	
50	COMPASS		NZ	X1,IFC3		COMPASS	8914		I
51		-CMP165							

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	NZ	X2,IFC3	LOOP UNTIL END OF BOTH STRINGS	COMPASS	8915	I
-CMP165						
COMPASS +	PL	X2,IFC3	LOOP UNTIL END OF SECOND STRING	CMP165	36	A
COMPASS	SX6	A2-CARD+1		COMPASS	8916	A
COMPASS	SA6	COLUMN		COMPASS	8917	A
COMPASS	SA1	LASTCOL		COMPASS	8918	A
COMPASS	IX6	X1-X6		COMPASS	8919	I
-CMP12						
COMPASS	IX2	X1-X6		CMP12	5	A
COMPASS	SX6	1R	RESTORE BLANKS AT END OF STATEMENT	CMP12	6	A
COMPASS	SA6	X1+CARD		CMP12	7	A
COMPASS	SA6	A6+B1		CMP12	8	A
COMPASS	SX7	X7-1R		COMPASS	8920	A
COMPASS +	ZR	X7,*+1	IF BLANK DELIMITER	COMPASS	8921	A
COMPASS	NG	X6,IFC5	IF MISSING SECOND DELIMITER	COMPASS	8922	I
-CMP12						
COMPASS	NG	X2,IFC5	IF MISSING SECOND DELIMITER	CMP12	9	A
COMPASS	RJ	GETCH	THROW AWAY COMMA	COMPASS	8923	A
COMPASS	SB7	X1-1R		COMPASS	8924	A
COMPASS	ZR	B7,IFCT	IF TERMINATOR IS BLANK	COMPASS	8925	A
COMPASS	EQ	B7,B1,IFC4	IF TERMINATOR IS COMMA	COMPASS	8926	A
COMPASS IFC5	SX6	B1		COMPASS	8927	A
COMPASS	SA6	AERR		COMPASS	8928	A
COMPASS	SA6	EFLG		COMPASS	8929	A
COMPASS	EQ	CTL70	RETURN	COMPASS	8930	A
COMPASS IFC4	RJ	GETCH	THROW COMMA AWAY	COMPASS	8931	A
COMPASS	NZ	B7,IFCT		COMPASS	8932	A
COMPASS	RJ	GETCH	THROW KNOWN COMMA AWAY	COMPASS	8933	A
COMPASS IFCT	BSS	1		COMPASS	8934	A
COMPASS	EQ	IFXXNO		COMPASS	8935	A
COMPASS				COMPASS	8936	A
COMPASS *	TABLE OF RECOGNIZED MODIFIERS.			COMPASS	8937	A
COMPASS				COMPASS	8938	A
COMPASS IFCM	VFD	12/0REQ,30/0,18/IFCEQ		COMPASS	8939	A
COMPASS	VFD	12/0RNE,30/1,18/IFCEQ		COMPASS	8940	A
COMPASS	VFD	12/0RGE,30/0,18/IFCGE		COMPASS	8941	A
COMPASS	VFD	12/0RLT,30/1,18/IFCGE		COMPASS	8942	A
COMPASS	VFD	12/0RLE,30/0,18/IFCLE		COMPASS	8943	A
COMPASS	VFD	12/0RGT,30/1,18/IFCLE		COMPASS	8944	A
COMPASS LIFCM	EQU	*-IFCM		COMPASS	8945	A
COMPASS				COMPASS	8946	A
COMPASS *	TABLE OF TRUE/FALSE TESTS.			COMPASS	8947	A
COMPASS				COMPASS	8948	A
COMPASS IFCEQ	ZR	X0,CTL70		COMPASS	8949	A
COMPASS +	NZ	X0,CTL70		COMPASS	8950	A
COMPASS IFCGE	PL	X0,CTL70		COMPASS	8951	A
COMPASS +	NG	X0,CTL70		COMPASS	8952	A
COMPASS IFCLE	ZR	X0,CTL70		COMPASS	8953	A
COMPASS	NG	X0,CTL70		COMPASS	8954	A
COMPASS +	ZR	X0,IFXXNO		COMPASS	8955	A
COMPASS	PL	X0,CTL70		COMPASS	8956	A
COMPASS IFC	SPACE	4		COMPASS	8957	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	**	IFC - TEST CHARACTER STRINGS.				COMPASS	8958	A
1	COMPASS						COMPASS	8959	A
2	COMPASS						COMPASS	8960	A
3	COMPASS		QUAL	PASS2			COMPASS	8961	A
4	COMPASS	IFC	EQU	ZLIST			COMPASS	8962	A
5	COMPASS	IFXX	SPACE	4			COMPASS	8963	A
6	COMPASS	***	IFXX - COMPARE VALUES.				COMPASS	8964	A
7	COMPASS	*					COMPASS	8965	A
8	COMPASS	*					COMPASS	8966	A
9	COMPASS	*NAME	IFXX	EXP1,EXP2,LNCT			COMPASS	8967	A
10	COMPASS	*	TESTS (EXP1) AGAINST (EXP2) ACCORDING TO XX WHICH IS A				COMPASS	8968	A
11	COMPASS	*	RELATIONAL MNEMONIC. OPTIONAL (LNCT) IS NUMBER OF LINES				COMPASS	8969	A
12	COMPASS	*	TO BE SKIPPED IF COMPARISON IS NOT SATISFIED. (NAME) IS				COMPASS	8970	A
13	COMPASS	*	INSTRUCTION BRACKET NAME.				COMPASS	8971	A
14	COMPASS	*					COMPASS	8972	A
15	COMPASS	*	XX	COMPARISON OF FIELDS			COMPASS	8973	A
16	COMPASS	*					COMPASS	8974	A
17	COMPASS	*	EQ	EQUAL			COMPASS	8975	A
18	COMPASS	*	NE	NOT EQUAL			COMPASS	8976	A
19		-CP13226	+CMP029						
20	COMPASS	*	GT	GREATER THAN			COMPASS	8977	A
21	COMPASS	*	GE	GREATER THAN OR EQUAL			COMPASS	8978	A
22	COMPASS	*	LT	LESS THAN			COMPASS	8979	A
23	COMPASS	*	LE	LESS THAN OR EQUAL			COMPASS	8980	A
24	COMPASS						COMPASS	8981	A
25	COMPASS						COMPASS	8982	A
26	COMPASS	*	IFEQ	EXP1,EXP2,LNCT			COMPASS	8983	A
27	COMPASS						COMPASS	8984	A
28	COMPASS		QUAL	PASS1			COMPASS	8985	A
29	COMPASS	IFEQ	SA1	*+1			COMPASS	8986	A
30	COMPASS		EQ	IFXX			COMPASS	8987	A
31	COMPASS		NZ	X1,IFXXNO			COMPASS	8988	A
32	COMPASS		ZR	X2,CTL300			COMPASS	8989	A
33	COMPASS						COMPASS	8990	A
34	COMPASS	*	IFNE	EXP1,EXP2,LNCT			COMPASS	8991	A
35	COMPASS						COMPASS	8992	A
36	COMPASS		QUAL	PASS1			COMPASS	8993	A
37	COMPASS	IFNE	SA1	*+1			COMPASS	8994	A
38	COMPASS		EQ	IFXX			COMPASS	8995	A
39	COMPASS		NZ	X1,CTL300	TEST VALUE INEQUALITY		COMPASS	8996	A
40	COMPASS		NZ	X2,CTL300	TEST PROPERTY INEQUALITY		COMPASS	8997	A
41	COMPASS						COMPASS	8998	A
42	COMPASS	*	IFGT	EXP1,EXP2,LNCT			COMPASS	8999	A
43	COMPASS						COMPASS	9000	A
44	COMPASS		QUAL	PASS1			COMPASS	9001	A
45	COMPASS	IFGT	SA1	*+1			COMPASS	9002	A
46	COMPASS		EQ	IFXX			COMPASS	9003	A
47	COMPASS		ZR	X1,IFXXNO			COMPASS	9004	A
48	COMPASS		PL	X1,CTL300			COMPASS	9005	A
49	COMPASS						COMPASS	9006	A
50	COMPASS	*	IFGE	EXP1,EXP2,LNCT			COMPASS	9007	A
51	COMPASS						COMPASS	9008	A
52									
53		0	1	2	3	4	5	6	7
54		1234567890123456789012345678901234567890123456789012345678901234567890							

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS		QUAL	PASS1		COMPASS	9009	A
COMPASS	IFGE	SA1	++1		COMPASS	9010	A
COMPASS		EQ	IFXX		COMPASS	9011	A
COMPASS		ZR	X1,CTL300	S028 455	CPS028	345	A
COMPASS		PL	X1,CTL300		COMPASS	9012	A
COMPASS					COMPASS	9013	A
COMPASS	*	IFLT	EXP1,EXP2,LNCT		COMPASS	9014	A
COMPASS					COMPASS	9015	A
COMPASS		QUAL	PASS1		COMPASS	9016	A
COMPASS	IFLT	SA1	++1		COMPASS	9017	A
COMPASS		EQ	IFXX		COMPASS	9018	A
COMPASS		ZR	X1,IFXXNO		CMP041	25	A
COMPASS		NG	X1,CTL300		COMPASS	9019	A
COMPASS					COMPASS	9020	A
COMPASS	*	IFLE	EXP1,EXP2,LNCT		COMPASS	9021	A
COMPASS					COMPASS	9022	A
COMPASS		QUAL	PASS1		COMPASS	9023	A
COMPASS	IFLE	SA1	++1		COMPASS	9024	A
COMPASS		EQ	IFXX		COMPASS	9025	A
COMPASS		ZR	X1,CTL300		COMPASS	9026	A
COMPASS		NG	X1,CTL300		COMPASS	9027	A
COMPASS	IFXX	SPACE	4		COMPASS	9028	A
COMPASS	**	IFXX	COMPARE VALUES.				
COMPASS					COMPASS	9029	A
COMPASS					COMPASS	9030	A
COMPASS					COMPASS	9031	A
COMPASS		QUAL	PASS1		COMPASS	9032	A
COMPASS	IFXX	BX6	X1		COMPASS	9033	A
COMPASS		SA6	IFXXT	STORE TRUTH TESTING INSTRUCTION	COMPASS	9034	A
COMPASS		SX1	60		COMPASS	9035	A
COMPASS		RJ	SCAD	EVALUATE FIRST ADDRESS FIELD	COMPASS	9036	A
COMPASS		SA1	EXVAL	RECORD PROPERTIES	COMPASS	9037	A
COMPASS		SA2	EXREL		COMPASS	9038	A
COMPASS		BX6	X1		COMPASS	9039	A
COMPASS		SA6	P1TEMP	STORE FIRST VALUE	COMPASS	9040	A
COMPASS		LX2	18		COMPASS	9041	A
COMPASS		SA3	EXREG		COMPASS	9042	A
COMPASS		SA4	EXEXT		COMPASS	9043	A
COMPASS		LX4	24+3		COMPASS	9044	A
COMPASS		BX6	X4+X3		COMPASS	9045	A
COMPASS		IX7	X6+X2		COMPASS	9046	A
COMPASS		SA7	P1TEMPA	STORE PROPERTIES	COMPASS	9047	A
COMPASS		SX1	60		COMPASS	9048	A
COMPASS		RJ	SCAD	EVALUATE SECOND ADDRESS	COMPASS	9049	A
COMPASS		SA1	EXVAL		COMPASS	9050	A
COMPASS		SA2	EXEXT		COMPASS	9051	A
COMPASS		SA5	P1TEMP		COMPASS	9052	A
COMPASS		SA3	EXREL		COMPASS	9053	A
COMPASS		SA4	EXREG		COMPASS	9054	A
COMPASS		IX1	X5-X1		COMPASS	9055	A
COMPASS		LX2	27		COMPASS	9056	A
COMPASS		SA5	P1TEMPA		COMPASS	9057	A
COMPASS		LX3	18		COMPASS	9058	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS		IX2	X2+X3	COMPASS	9059	A
COMPASS		IX3	X2+X4	COMPASS	9060	A
COMPASS		BX2	X3-X5	COMPASS	9061	A
COMPASS		SA3	UERR	COMPASS	9062	A
COMPASS		NZ	X3,CTL300	COMPASS	9063	A
COMPASS	IFXXT	PS		COMPASS	9064	A
COMPASS	IFXXNO	SX6	3	COMPASS	9065	A
COMPASS		SX1	15	COMPASS	9066	A
COMPASS		RJ	SMC	COMPASS	9067	A
COMPASS		RJ	CWI	COMPASS	9068	A
COMPASS		SA1	EXVAL	COMPASS	9069	A
COMPASS		SA2	LOCSYM	CPS032	1	A
COMPASS		SX6	X1+B1	COMPASS	9070	A
COMPASS		BX7	X2	CPS032	2	A
COMPASS		SA6	IFCNT	COMPASS	9071	A
COMPASS		SA7	IFNAME	CPS032	3	A
COMPASS		NZ	X1,CTL100	COMPASS	9072	A
COMPASS		SA1	UERR	COMPASS	9073	A
COMPASS		NZ	X1,CTL100	COMPASS	9074	A
COMPASS		SX6	-B1	COMPASS	9075	A
COMPASS		SA1	LOCSYM	COMPASS	9076	I
-CPS032						
COMPASS		BX7	X1	COMPASS	9077	I
-CPS032						
COMPASS		SA6	IFCNT	COMPASS	9078	A
COMPASS		SA7	IFNAME	COMPASS	9079	I
-CPS032						
COMPASS		EQ	CTL100	COMPASS	9080	A
COMPASS	IFXX	SPACE	4	COMPASS	9081	A
COMPASS	**	IFXX -	COMPARE VALUES.	COMPASS	9082	A
COMPASS				COMPASS	9083	A
COMPASS				COMPASS	9084	A
COMPASS		QUAL	PASS2	COMPASS	9085	A
COMPASS	IFEQ	BSS	0	COMPASS	9086	A
COMPASS	IFGE	BSS	0	COMPASS	9087	A
COMPASS	IFGT	BSS	0	COMPASS	9088	A
COMPASS	IFLE	BSS	0	COMPASS	9089	A
COMPASS	IFLT	BSS	0	COMPASS	9090	A
COMPASS	IFNE	BSS	0	COMPASS	9091	A
COMPASS		SA1	LR+1	COMPASS	9092	A
COMPASS		SA2	LF+1	COMPASS	9093	A
COMPASS		BX6	X1*X2	COMPASS	9094	A
COMPASS		ZR	X6,ZLIST	COMPASS	9095	A
COMPASS		SX6	1RF	COMPASS	9096	A
COMPASS		SA6	REFLET	COMPASS	9097	A
COMPASS		SX1	60	COMPASS	9098	A
COMPASS		RJ	SCAD	COMPASS	9099	A
COMPASS		SX1	60	COMPASS	9100	A
COMPASS		RJ	SCAD	COMPASS	9101	A
COMPASS		SX6	1R	COMPASS	9102	A
COMPASS		SA6	REFLET	COMPASS	9103	A
COMPASS		EQ	ZLIST	COMPASS	9104	A
			RETURN			

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS						CMP30	2961	A
COMPASS	IFCP7	SX6	1	FALSE IF MTYPE = 1 (6000 ASSEMBLY)		CMP30	2962	A
COMPASS	IFCP7A	SA1	MTYPE			CMP30	2963	A
COMPASS		SA2	MACHINE			CMP30	2964	A
COMPASS		IX3	X1-X6			CMP30	2965	A
COMPASS		NZ	X2,IFXXNO	IF PERIPHERAL ASSEMBLY		CMP30	2966	A
COMPASS		ZR	X3,IFXXNO	IF WRONG MTYPE		CMP30	2967	A
COMPASS		EQ	CTL300	RETURN		CMP30	2968	A
COMPASS	IFYY	SPACE	4			COMPASS	9131	A
COMPASS	**	IFYY	-	TEST ASSEMBLY ENVIRONMENT.		COMPASS	9132	A
COMPASS						COMPASS	9133	A
COMPASS						COMPASS	9134	A
COMPASS		QUAL	PASS2			COMPASS	9135	A
COMPASS	IFCP	EQU	ZLIST			COMPASS	9136	A
COMPASS	IFCP6	EQU	ZLIST			CMP30	2969	A
COMPASS	IFCP7	EQU	ZLIST			CMP30	2970	A
COMPASS	IFPP	EQU	ZLIST			COMPASS	9137	A
COMPASS	IFPP6	EQU	ZLIST			CMP30	2971	A
COMPASS	IFPP7	EQU	ZLIST			CMP30	2972	A
COMPASS	IFZZ	SPACE	4			CMP30	2973	A
COMPASS	***	IFZZ	-	TEST SIGN OF EXPRESSION VALUE.		CMP30	2974	A
COMPASS	*					CMP30	2975	A
COMPASS	*					CMP30	2976	A
COMPASS	*NAME	IFZZ	EXPR,LNCT			CMP30	2977	A
COMPASS	*			TESTS SIGN OF VALUE OF (EXPR) ACCORDING TO ZZ. OPTIONAL		CMP30	2978	A
COMPASS	*			(LNCT) IS NUMBER OF LINES TO BE SKIPPED IF CONDITION IS		CMP30	2979	A
COMPASS	*			NOT SATISFIED. (NAME) IS INSTRUCTION BRACKET NAME.		CMP30	2980	A
COMPASS	*					CMP30	2981	A
COMPASS	*	ZZ		CONDITION		CMP30	2982	A
COMPASS	*					CMP30	2983	A
COMPASS	*	PL		SIGN IS PLUS.		CMP30	2984	A
COMPASS	*	MI		SIGN IS MINUS.		CMP30	2985	A
COMPASS						CMP30	2986	A
COMPASS						CMP30	2987	A
COMPASS	*	IFPL	EXPR,LNCT			CMP30	2988	A
COMPASS						CMP30	2989	A
COMPASS		QUAL	PASS1			CMP30	2990	A
COMPASS	IFPL	MX6	0			CMP30	2991	A
COMPASS		EQ	IFZZ			CMP30	2992	A
COMPASS						CMP30	2993	A
COMPASS	*	IFMI	EXPR,LNCT			CMP30	2994	A
COMPASS						CMP30	2995	A
COMPASS	IFMI	MX6	60			CMP30	2996	A
COMPASS	IFZZ	SPACE	4			CMP30	2997	A
COMPASS	**	IFZZ	-	TEST SIGN OF EXPRESSION VALUE.		CMP30	2998	A
COMPASS						CMP30	2999	A
COMPASS						CMP30	3000	A
COMPASS	IFZZ	SA6	P1TEMP	SAVE SIGN CONDITION		CMP30	3001	A
COMPASS		SX1	60			CMP30	3002	A
COMPASS		RJ	SCAD	EVALUATE EXPRESSION		CMP30	3003	A
COMPASS		SA1	EXVAL			CMP30	3004	A
COMPASS		SA2	P1TEMP			CMP30	3005	A

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	*	LCC	STRING		COMPASS	9162	A	
1	COMPASS	*		CHARACTER STRING IS PASSED TO BINARY OUTPUT FOR SUBSEQUENT		COMPASS	9163	A	1
2	COMPASS	*		RECOGNITION BY THE LOADER.		COMPASS	9164	A	2
3	COMPASS					COMPASS	9165	A	3
4	COMPASS					COMPASS	9166	A	4
5	COMPASS		QUAL	PASS1		COMPASS	9167	A	5
6	COMPASS	LCC	SA1	ABSFG	TEST FOR VALIDITY OF OPERATION	COMPASS	9168	A	6
7	COMPASS		NZ	X1,CTL80	INVALID IN PP AND ABSOLUTE CP CODES	COMPASS	9169	A	7
8	COMPASS	+	SA2	B		COMPASS	9170	A	8
9	COMPASS		ZR	X2,*+2		COMPASS	9171	I	9
10		-CMP30							10
11	COMPASS		ZR	X2,CTL70	IF NO BINARY FILE	CMP30	3030	A	11
12	COMPASS					CMP30	3031	A	12
13	COMPASS	RM	IFEQ	CP#RM,0		CMP30	3032	A	13
14	COMPASS		RECALL	B	WAIT FOR BINARY	COMPASS	9172	A	14
15	COMPASS	RM	ELSE			CMP30	3033	I	15
16		-CPSA134							16
17	COMPASS	RM	IFC	LT, "MODEL" 75		CMP30	3034	I	17
18		-F7540CP	-CPSA134						18
19	COMPASS		ENV	(4,5,7,8),X		F7540CP	133	I	19
20		-CPSA134							20
21	COMPASS		SKIP			F7540CP	134	I	21
22		-CPSA134							22
23	COMPASS	X	ELSE			F7540CP	135	I	23
24		-CPSA134							24
25	COMPASS		FETCH	B,0C,X3		CMP30	3035	I	25
26		-CPSA134							26
27	COMPASS		SX6	X3-#YES#		CMP30	3036	I	27
28		-CPSA134							28
29	COMPASS		ZR	X6,LCC0	IF FILE IS OPEN	CMP30	3037	I	29
30		-CPSA134							30
31	COMPASS		OPENM	B,OUTPUT,N		CMP30	3038	I	31
32		-CPSA134							32
33	COMPASS	LCC0	CHECK	B		CMP30	3039	I	33
34		-CPSA134							34
35	COMPASS	X	ENDIF			F7540CP	136	I	35
36		-CPSA134							36
37	COMPASS	RM	ENDIF			CMP30	3040	A	37
38	COMPASS					CMP30	3041	A	38
39	COMPASS		SB7	10	CONSTRUCT LOADER DIRECTIVE CARD	COMPASS	9173	A	39
40			SA2	COLUMN		COMPASS	9174	A	40
41	COMPASS		SA1	CARD-1+X2		COMPASS	9175	A	41
42	COMPASS		SA6	RELVEC		COMPASS	9176	A	42
43	COMPASS		SB5	-1R		COMPASS	9177	A	43
44	COMPASS		SB4	B1		COMPASS	9178	A	44
45	COMPASS	LCC1	SB3	B7		COMPASS	9179	A	45
46			MX6	0		COMPASS	9180	A	46
47	COMPASS	LCC2	LX6	6		COMPASS	9181	A	47
48	COMPASS		SB3	B3-B1		COMPASS	9182	A	48
49	COMPASS		SB2	X1+B5		COMPASS	9183	A	49
50	COMPASS		BX6	X1+X6		COMPASS	9184	A	50
51	COMPASS		SA1	A1+B1		COMPASS	9185	A	51

[illegible]

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	ZR	B2,LCC4	IF BLANK COLUMN WAS FOUND	COMPASS	9186	A
COMPASS	NZ	B3,LCC2		COMPASS	9187	A
COMPASS	SA6	A6+B1	STORE WORD	COMPASS	9188	A
COMPASS	EQ	LCC1	AND GO BACK FOR MORE	COMPASS	9189	A
COMPASS	LCC3	LX6	6	COMPASS	9190	A
COMPASS	SB3	B3-B1	APPEND ZERO BYTES TO WORD	COMPASS	9191	A
COMPASS	SB4	B4-B1		COMPASS	9192	A
COMPASS	LCC4	NZ	B3,LCC3	COMPASS	9193	A
COMPASS	SA6	A6+B1		COMPASS	9194	A
COMPASS	SB3	B7		COMPASS	9195	A
COMPASS	MX6	0		COMPASS	9196	A
COMPASS	PL	B4,LCC3	GO BACK IF NOT TWO BYTES STORED	COMPASS	9197	A
COMPASS				CMP30	3042	A
COMPASS	RM	IFEQ	CP#RM,0	CMP30	3043	A
COMPASS		WRITEW	B,RELVEC+1,A6-RELVEC	COMPASS	9198	A
COMPASS		WRITER	B	COMPASS	9199	A
COMPASS	RM	ELSE		CMP30	3044	A
COMPASS		SX4	A6-RELVEC	CMP30	3045	A
COMPASS		IX3	X4+X4	CMP30	3046	A
COMPASS		LX4	3	CMP30	3047	A
COMPASS		IX2	X3+X4	CMP30	3048	A
COMPASS		PUT	B,RELVEC+1,X2	CMP30	3049	A
COMPASS		SA1	B-1	CMP30	3050	A
COMPASS		NZ	X1,CTL70 IF NOT *W* RECORDS	CMP30	3051	A
COMPASS		WEOR	B	CMP30	3052	A
COMPASS	RM	ENDIF		CMP30	3053	A
COMPASS				CMP30	3054	A
COMPASS		EQ	CTL70	COMPASS	9200	A
COMPASS	LCC	SPACE	4	COMPASS	9201	A
COMPASS	**	LCC	- LOADER CONTROL CARD.	COMPASS	9202	A
COMPASS				COMPASS	9203	A
COMPASS				COMPASS	9204	A
COMPASS		QUAL	PASS2	COMPASS	9205	A
COMPASS	LCC	SA1	DKCNT INCREMENT DECK COUNT	COMPASS	9206	A
COMPASS		SX6	X1+B1	COMPASS	9207	A
COMPASS		SA6	A1	COMPASS	9208	A
COMPASS		EQ	ZLIST	COMPASS	9209	A
COMPASS	LDSET	SPACE	4	CP147	68	A
COMPASS	***	LDSET	- LOADER OBJECT DIRECTIVES.	CP147	69	A
COMPASS	*			CP147	70	A
COMPASS	*			CP147	71	A
COMPASS	*	LDSET	OPTIONS	CP147	72	A
COMPASS	*	OPTIONS	- ONE OR MORE OPTIONS SEPARATED BY COMMAS.	CP147	73	A
COMPASS	*	EACH OPTION	IS SPECIFIED IN ONE OF THE FOLLOWING FORMS	CP147	74	A
COMPASS	*	KEY		CP147	75	A
COMPASS	*	KEY=PARAM		CP147	76	A
COMPASS	*	KEY=PARAM1/PARAM2/.../PARAMN		CP147	77	A
COMPASS	*	SEE LOADER REF. MANUAL	FOR PARAMETERS DETAILS.	CP147	78	A
COMPASS				CP147	79	A
COMPASS				CP147	80	A
COMPASS		QUAL	PASS1	CP147	81	A
COMPASS	LDSET	SA1	ABSFG	CP147	82	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	NZ	X1,CTL80	IF NOT RELOCATABLE	CP147	83	A
COMPASS	SA1	CHAR	FETCH CURRENT CHARACTER	CP147	84	A
COMPASS	SB7	X1-1R		CP147	85	A
COMPASS	ZR	B7,CTL70	IF EMPTY VARIABLE FIELD	CP147	86	A
COMPASS	RM	IFEQ	CP#RM,0	CPS2608	41	A
COMPASS	SA2	L.TLDS	LENGTH OF TABLE	CPS2608	42	A
COMPASS	SA1	K.TLDS	CONTROL WORD POINTER	CPS2608	43	A
COMPASS	IX1	X2-X1	WC OF CURRENT LDSET TABLE	CPS2608	44	A
COMPASS	ZR	X2,LDS4	IF FIRST LDSET	CPS2608	45	A
COMPASS	SB7	X1-7700B		CPS2608	46	A
COMPASS	PL	B7,LDS4	IF APPROACHING OVERFLOW CONDITION	CPS2608	47	A
COMPASS	RM	ENDIF		CPS2608	48	A
COMPASS	EQ	LDS2		CP147	87	A
COMPASS	LDS1	SA1	CHAR	CP147	88	A
COMPASS	SB7	X1-1R		CP147	89	A
COMPASS	ZR	B7,CTL70	IF END OF OPTIONS	CP147	90	A
COMPASS	RJ	GETCH	GET NEXT CHARACTER	CP147	91	A
COMPASS	LDS2	RJ	SCE	CP147	92	I
-CPS173						
COMPASS	LDS2	SB2	B0	CPS173	16	A
COMPASS	RJ	SCE	SCAN ELEMENT	CPS173	17	A
COMPASS	ZR	X6,LDS1	IF NULL ELEMENT	CP147	93	A
COMPASS	SA1	LDSA-1		CP147	94	A
COMPASS	MX0	42		CP147	95	A
COMPASS	LDS3	SA1	A1+B1	CP147	96	A
COMPASS	BX2	X0*X1	LOOK UP KEYWORD	CP147	97	A
COMPASS	ZR	X1,LDE3	IF END OF KEYWORD TABLE	CP147	98	A
COMPASS	BX2	X2-X6		CP147	99	A
COMPASS	NZ	X2,LDS3	LOOP	CP147	100	A
COMPASS	NG	B2,LDE2	TEST SEPARATOR CODE	CP147	101	A
COMPASS	GT	B2,B1,LDE2	IF NOT SPACE COMMA OR =	CP147	102	A
COMPASS	BX1	-X0*X1	EXTRACT PARAMETERS	CP147	103	A
COMPASS	LX1	-6		CP147	104	A
COMPASS	MX0	-3		CP147	105	A
COMPASS	BX2	-X0*X1		CP147	106	A
COMPASS	SA4	LDSB+X2-1	FETCH PROCESSOR ADDRES	CP147	107	A
COMPASS	AX1	3		CP147	108	A
COMPASS	SX6	X1	SAVE PROCESSOR PARAMETER	CP147	109	A
COMPASS	AX1	3	CREATE HEADER WORD	CP147	110	A
COMPASS	BX7	X4		CP147	111	A
COMPASS	BX1	X1+X6	INSERT FLAG BIT	CP147	112	A
COMPASS	SA7	P1TEMPA	STORE PROCESSOR ADDRESS	CP147	113	A
COMPASS	SX6	B2		CP147	114	A
COMPASS	SA6	A7+B1	STORE SEPARATOR CODE IN P1TEMPB	CP147	115	A
COMPASS	ADDWORD	TLDS	PUT HEADER WORD IN TLDS	CP147	116	A
COMPASS	IX7	X3-X2	LWA+1 - ORIGIN	CP147	117	A
COMPASS	SA7	P1TEMP	SAVE L.TLDS	CP147	118	A
COMPASS	SA5	A7+B1	FETCH PROCESSOR ADDRESS	CP147	119	A
COMPASS	SA4	A5+B1	FETCH SEPARATOR CODE	CP147	120	A
COMPASS	SB3	X5		CP147	121	A
COMPASS	SB2	X4		CP147	122	A
COMPASS	JP	B3	JUMP TO PROCESSOR	CP147	123	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	ZR	B3,LDS1	IF SPACE	CP147	165	A	
1	COMPASS	EQ	B3,B1,LDS1	IF COMMA	CP147	166	A	1
2	COMPASS	SB3	X1-1R-		CP147	167	A	2
3	COMPASS	GT	B3,LDE3	IF FIRST CHARACTER NOT ALPHANUM.	CP147	168	A	3
4	COMPASS	SB3	X1-1R0		CP147	169	A	5
5	COMPASS	PL	B3,LDS32	IF FIRST CHAR IS 0-9 OR + OR -	CP147	170	A	6
6	COMPASS	SB2	B0	ALLOW AS SEPARATORS , = / - SPACE	CPS173	19	A	7
7	COMPASS	RJ	SCE	SCAN ELEMENT	CP147	171	A	8
8	COMPASS	SA4	=4LNONE		CP147	172	A	9
9	COMPASS	BX4	X6-X4		CP147	173	A	10
10	COMPASS	ZR	X4,LDS1	IF *NONE*	CP147	174	A	11
11	COMPASS	SA4	LDSC-1		CP147	175	A	12
12	COMPASS	MX0	42		CP147	176	A	13
13	COMPASS	LDS31	SA4	A4+B1	LOOK UP PRESET WORD	CP147	177	A
14	COMPASS		BX1	X0*X4		CP147	178	A
15	COMPASS		ZR	X4,LDE3	IF NOT FOUND	CP147	179	A
16	COMPASS		BX1	X1-X6		CP147	180	A
17	COMPASS		NZ	X1,LDS31	LOOP	CP147	181	A
18	COMPASS		BX1	-X0*X4	EXTRACT CODE	CP147	182	I
19		-FEAT184N						
20	COMPASS	LX1	-7		CP147	183	I	
21		-FEAT184N						
22	COMPASS	SB4	X1	SHIFT COUNT	CP147	184	I	
23		-FEAT184N						
24	COMPASS	AX1	53	THROW AWAY SHIFT COUNT	CP147	185	I	
25		-FEAT184N						
26	COMPASS	LX1	-1	PREPARE INDEX AND SIGN BIT	CP147	186	I	
27		-FEAT184N						
28	COMPASS	SA4	LDSD+X1		CP147	187	I	
29		-FEAT184N						
30	COMPASS	AX1	B4	COMPUTED COMPLEMENT MASK	CP147	188	I	
31		-FEAT184N						
32	COMPASS	BX1	X1-X4	CONDITIONALLY COMPLEMENT VALUE	CP147	189	I	
33		-FEAT184N						
34	COMPASS	BX1	-X0*X4	EXTRACT INDEX TO LDSD.	FEAT184	FEAT184N	8	A
35	COMPASS	SA1	X1+LDSD	FETCH VALUE.	FEAT184	FEAT184N	9	A
36	COMPASS	SX6	B0	INDICATE NO CONSTANT SCANNED	CP147		190	A
37	COMPASS	SA6	P1TEMPB		CP147		191	A
38	COMPASS	EQ	LDS33		CP147		192	A
39	COMPASS				CP147		193	A
40	COMPASS	LDS32	SA1	NBASE	SAVE ASSUMED NUMBER BASE	CP147	194	A
41	COMPASS		SX6	8	CP147		195	A
42	COMPASS		BX7	X1	CP147		196	A
43	COMPASS		SA6	A1	ASSUME OCTAL	CP147	197	A
44	COMPASS		SA7	P1TEMPB		CP147	198	A
45	COMPASS		SA1	LWORD	SCAN CONSTANT	CP147	199	A
46	COMPASS		SX6	3	CP147		200	A
47	COMPASS		RJ	SCADCON		CP147	201	A
48	COMPASS		SA2	P1TEMPB	RESTORE BASE	CP147	202	A
49	COMPASS		BX6	X2		CP147	203	A
50	COMPASS		SA6	NBASE		CP147	204	A
51	COMPASS		NZ	X1,LDE3	IF SCADCON DETECTED ERROR	CP147	205	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS		SA1	EXVAL		CP147	206	A
COMPASS	LDS33	ADDWORD	TLDS	PUT VALUE INTO TLDS	CP147	207	A
COMPASS		SA2	A6-B1	FETCH HEADER WORD	CP147	208	A
COMPASS		SX4	B1		CP147	209	A
COMPASS		LX4	36		CP147	210	A
COMPASS		BX6	X2+X4	SET WORD COUNT TO 1	CP147	211	A
COMPASS		SA6	A2	RESTORE HEADER WORD	CP147	212	A
COMPASS		SA3	P1TEMPB		CP147	213	A
COMPASS		NZ	X3,LDS34	IF CONSTANT WAS SCANNED	CP147	214	A
COMPASS		SA1	CHAR		CP147	215	A
COMPASS		SB7	X1-1R		CP147	216	A
COMPASS		ZR	B7,LDS1	IF SPACE	CP147	217	A
COMPASS		EQ	B7,B1,LDS1	IF COMMA	CP147	218	A
COMPASS		EQ	LDE2	ERROR	CP147	219	A
COMPASS	LDS34	SA1	EXSTOP	EXSTOP=0 IF SPACE, =1 IF COMMA	CP147	220	A
COMPASS		NZ	X1,LDS2	IF COMMA	CP147	221	A
COMPASS		EQ	CTL70	IF SPACE	CP147	222	A
COMPASS					CP147	223	A
COMPASS					CP147	224	A
COMPASS	**	PROCESS ERR = P.			CP147	225	A
COMPASS					CP147	226	A
COMPASS	LDS40	ZR	B2,LDS1	IF NOT =	CP147	227	A
COMPASS		RJ	GETCH	GET NEXT CHARACTER	CP147	228	A
COMPASS		SB2	B0	ALLOW AS SEPARATORS , = / - SPACE	CPS173	20	A
COMPASS		RJ	SCE	SCAN ELEMENT	CP147	229	A
COMPASS		ZR	X6,LDS42	IF EMPTY ELEMENT	CP147	230	A
COMPASS		SA2	LDSE-1		CP147	231	A
COMPASS		MX0	42		CP147	232	A
COMPASS	LDS41	SA2	A2+B1	LOOK UP ERR KEYWORD	CP147	233	A
COMPASS		BX4	X0*X2		CP147	234	A
COMPASS		ZR	X2,LDE3	IF NOT FOUND	CP147	235	A
COMPASS		BX4	X4-X6		CP147	236	A
COMPASS		NZ	X4,LDS41	LOOP	CP147	237	A
COMPASS		BX4	-X0*X2		CP147	238	A
COMPASS		SA2	P1TEMP	GET POINTER TO HEADER WORD	CP147	239	A
COMPASS		SA3	0.TLDS		CP147	240	A
COMPASS		IX2	X2+X3		CP147	241	A
COMPASS		SA2	X2-1	FETCH HEADER WORD	CP147	242	A
COMPASS		BX6	X2+X4	INSERT KEYWORD CODE	CP147	243	A
COMPASS		SA6	A2	RESTORE HEADER WORD	CP147	244	A
COMPASS	LDS42	NZ	B2,LDE2	IF NOT SPACE OR COMMA	CP147	245	A
COMPASS		EQ	LDS1		CP147	246	A
COMPASS					CP147	247	A
COMPASS					CP147	248	A
COMPASS	**	PROCESS MAP = P/LFN.			CP147	249	A
COMPASS					CP147	250	A
COMPASS	LDS50	ZR	B2,LDS1	IF NOT =	CP147	251	A
COMPASS		RJ	GETCH	GET NEXT CHARACTER	CP147	252	A
COMPASS		SB3	X1-1R/		CP147	253	A
COMPASS		ZR	B3,LDS53	IF /	CP147	254	A
COMPASS		BX7	X7-X7	INITIALIZE VALUE TO ZERO	CP147	255	A
COMPASS		BX3	X7	INITIALIZE FLAG TO 0	CP147	256	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA4	LDSF	MASK FOR NSBEX	CP147	257	A
COMPASS	SA5	LDSG	NSBEX CODES AND FLAGS	CP147	258	A
COMPASS	LDS51	SB7	X1	CP147	259	A
COMPASS	AX6	X4,B7	COMPUTE MAP TYPE	CP147	260	A
COMPASS	LX6	59		CP147	261	A
COMPASS	PL	X6,LDS52	IF NOT MAP TYPE	CP147	262	A
COMPASS	SB6	B7+B7	COMPUTE SHIFT COUNT	CP147	263	A
COMPASS	LX6	X5,B6		CP147	264	A
COMPASS	MX0	-4		CP147	265	A
COMPASS	BX2	-X0*X6	EXTRACT VALUE	CP147	266	A
COMPASS	BX7	X2+X7	INSERT VALUE	CP147	267	A
COMPASS	MX0	1		CP147	268	A
COMPASS	BX6	X0*X6	EXTRACT FLAG	CP147	269	A
COMPASS	BX3	X3+X6	OR IT TO OLD FLAG	CP147	270	A
COMPASS	RJ	GETCH	GET NEXT CHARACTER	CP147	271	A
COMPASS	EQ	LDS51	LOOP	CP147	272	A
COMPASS				CP147	273	A
COMPASS	LDS52	SA2	=02060000B MASK FOR SPACE COMMA SLASH	CP147	274	A
COMPASS	LX6	X2,B7		CP147	275	A
COMPASS	PL	X6,LDE2	IF NOT SPACE COMMA OR SLASH	CP147	276	A
COMPASS	BX0	-X0		CP147	277	A
COMPASS	IX4	X0+X7	MAP TYPE LOGICAL VALUE	CP147	278	A
COMPASS	BX6	X4*X3	AND(LOGICAL VALUE,FLAG)	CP147	279	A
COMPASS	MI	X6,LDE3	IF N WITH OTHER LETTERS	CP147	280	A
COMPASS	BX5	-X0*X4		CP147	281	A
COMPASS	BX4	X5+X3	COMPUTE S BIT (0 IF NO LETTERS)	CP147	282	A
COMPASS	BX7	X7+X4		CP147	283	A
COMPASS	LX7	B1		CP147	284	A
COMPASS	SA2	P1TEMP	GET POINTER TO HEADER WORD	CP147	285	A
COMPASS	SA3	0.TLDS		CP147	286	A
COMPASS	IX2	X2+X3		CP147	287	A
COMPASS	SA2	X2-1	FETCH HEADER WORD	CP147	288	A
COMPASS	BX6	X2+X7	INSERT TYPE AND S-BIT INTO HEADER WORD	CP147	289	A
COMPASS	SA6	A2	RESTORE HEADER WORD	CP147	290	A
COMPASS	SB3	X1-1R/		CP147	291	A
COMPASS	NZ	B3,LDS1	IF NOT /	CP147	292	A
COMPASS				CP147	293	A
COMPASS	LDS53	RJ	GET NEXT CHARACTER	CP147	294	A
COMPASS	SB2	B0	ALLOW AS SEPARATORS , = / - SPACE	CPS173	21	A
COMPASS	RJ	SCE	SCAN FILE NAME	CP147	295	A
COMPASS	ZR	X6,LDS1	IF EMPTY ELEMENT	CP147	296	A
COMPASS	SX7	B2		CP147	297	A
COMPASS	SA7	P1TEMPB	SAVE SEPARATOR CODE	CP147	298	A
COMPASS	ADDWORD	TLDS		CP147	299	A
COMPASS	SX7	B1		CP147	300	A
COMPASS	LX7	36		CP147	301	A
COMPASS	SA2	A6-1	FETCH HEADER WORD	CP147	302	A
COMPASS	BX6	X2+X7	INSERT WORD COUNT	CP147	303	A
COMPASS	SA6	A2	RESTORE HEADER WORD	CP147	304	A
COMPASS	SA1	P1TEMPB	FETCH SEPARATOR CODE	CP147	305	A
COMPASS	NZ	X1,LDE2	IF NOT SPACE OR COMMA	CP147	306	A
COMPASS	EQ	LDS1		CP147	307	A

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1



## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SB3	1R		FEAT184	FEAT184N	30	A
COMPASS	EQ	B3,B4,LDS1	IF CURRENT CHARACTER IS A BLANK.	FEAT184	FEAT184N	31	A
COMPASS	SB3	1R,		FEAT184	FEAT184N	32	A
COMPASS	EQ	B3,B4,LDS1	ELSE IF CURRENT CHARACTER IS A COMMA.	FEAT184	FEAT184N	33	A
COMPASS	EQ	LDE2	ELSE ERROR IF NOT BLANK OR COMMA.	FEAT184	FEAT184N	34	A
COMPASS				FEAT184	FEAT184N	35	A
COMPASS				FEAT184	FEAT184N	36	A
COMPASS	**		ERROR PROCESSING FOR LDSET.	CP147		338	A
COMPASS	*		SEARCH FOR SPACE OR COMMA.	CP147		339	A
COMPASS				CP147		340	A
COMPASS				CP147		341	A
COMPASS	*		LDE1 - UPDATE WORD COUNT IN HEADER WORD.	CP147		342	A
COMPASS				CP147		343	A
COMPASS	LDE1	SA5	P1TEMP	CP147		344	A
COMPASS		SA2	L.TLDS	CP147		345	A
COMPASS		SA3	O.TLDS	CP147		346	A
COMPASS		IX2	X2-X5	CP147		347	A
COMPASS		IX5	X3+X5	CP147		348	A
COMPASS		SA1	X5-1	CP147		349	A
COMPASS		LX2	36	CP147		350	A
COMPASS		BX6	X1+X2	CP147		351	A
COMPASS		SA6	A1	CP147		352	A
COMPASS		EQ	LDE3	CP147		353	A
COMPASS				CP147		354	A
COMPASS	*		LDE2 - DISCARD CURRENT CHARACTER.	CP147		355	A
COMPASS				CP147		356	A
COMPASS	LDE2	RJ	GETCH	CP147		357	A
COMPASS			GET NEXT CHARACTER	CP147		358	A
COMPASS	*		LDE3 - SEARCH FOR SPACE OR COMMA.	CP147		359	A
COMPASS				CP147		360	A
COMPASS	LDE3	SA1	CHAR	CP147		361	A
COMPASS		SB7	X1-1R	CP147		362	A
COMPASS		ZR	B7,LDE4	CP147		363	A
COMPASS		NE	B7,B1,LDE2	CP147		364	A
COMPASS				CP147		365	A
COMPASS	*		LDE4 - ONLY NOTE ERROR.	CP147		366	A
COMPASS				CP147		367	A
COMPASS	LDE4	SX7	B1	CP147		368	A
COMPASS		SA7	AERR	CP147		369	A
COMPASS		SA7	EFLG	CP147		370	A
COMPASS		EQ	LDS1	CP147		371	A
COMPASS				CP147		372	A
COMPASS				CP147		373	A
COMPASS	*		LDSA - LDSET KEYWORD TABLE.	CP147		374	A
COMPASS	*	VFD	42/0LKEYWORD, 6/, 3/FLAG, 3/PROC, 6/CODE	CP147		375	A
COMPASS	*			CP147		376	A
COMPASS	*		FLAG = PARAMETER TO PROCESSOR.	CP147		377	A
COMPASS	*		PROC = PROCESSOR INDEX INTO LDSB.	CP147		378	A
COMPASS	*		CODE = SUBTABLE TYPE CODE.	CP147		379	A
COMPASS				CP147		380	A
COMPASS	LDSA	BSS	0	CP147		381	A
COMPASS		CON	0LLIB+0210B	CP147		382	A

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3

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-FEAT184N

1	COMPASS	CON	0LNGINDEF+02603B	CP147	417	I	
2	-FEAT184N						
3	COMPASS	CON	0LINF+16604B	CP147	418	I	
4	-FEAT184N						
5	COMPASS	CON	0LNGINF+02605B	CP147	419	I	
6	-FEAT184N						
7	COMPASS	CON	0LALTZERO+16606B	CP147	420	I	
8	-FEAT184N						
9	COMPASS	CON	0LALTONES+16607B	CP147	421	I	
10	-FEAT184N						
11	COMPASS	CON	0LZERO	FEAT184	FEAT184N	44	A
12	COMPASS	CON	0LONES+1B	FEAT184	FEAT184N	45	A
13	COMPASS	CON	0LINDEF+2B	FEAT184	FEAT184N	46	A
14	COMPASS	CON	0LNGINDEF+3B	FEAT184	FEAT184N	47	A
15	COMPASS	CON	0LINF+4B	FEAT184	FEAT184N	48	A
16	COMPASS	CON	0LNGINF+5B	FEAT184	FEAT184N	49	A
17	COMPASS	CON	0LALTZERO+6B	FEAT184	FEAT184N	50	A
18	COMPASS	CON	0LALTONES+7B	FEAT184	FEAT184N	51	A
19	COMPASS	CON	0LDEBUG+10B	FEAT184	FEAT184N	52	A
20	COMPASS			CP147	422	A	
21	COMPASS			CP147	423	A	
22	COMPASS	*	LDSD - KEYWORD VALUES.	CP147	424	I	
23	-FEAT184N						
24	COMPASS	*	LDSD - PRESET/PRESETA KEYWORD VALUES.	FEAT184	FEAT184N	53	A
25	COMPASS			CP147	425	A	
26	COMPASS	LDSD	DATA 0 LIST TERMINATOR OF LDSC	CP147	426	A	
27	COMPASS	CON	1777BS48	CP147	427	I	
28	-FEAT184N						
29	COMPASS	CON	3777BS48	CP147	428	I	
30	-FEAT184N						
31	COMPASS	CON	252525252525252525B	CP147	429	I	
32	-FEAT184N						
33	COMPASS	CON	7777777777777777777B	FEAT184	FEAT184N	54	A
34	COMPASS	CON	17770000000000000000B	FEAT184	FEAT184N	55	A
35	COMPASS	CON	60000000000000000000B	FEAT184	FEAT184N	56	A
36	COMPASS	CON	37770000000000000000B	FEAT184	FEAT184N	57	A
37	COMPASS	CON	40000000000000000000B	FEAT184	FEAT184N	58	A
38	COMPASS	CON	252525252525252525B	FEAT184	FEAT184N	59	A
39	COMPASS	CON	525252525252525252B	FEAT184	FEAT184N	60	A
40	COMPASS	CON	60000000000400400000B	FEAT184	FEAT184N	61	A
41	COMPASS			CP147	430	A	
42	COMPASS			CP147	431	A	
43	COMPASS	*	LDSE - ERR KEYWORD TABLE.	CP147	432	A	
44	COMPASS	*	VFD 42/0LKEYWORD, 18/VALUE	CP147	433	A	
45	COMPASS			CP147	434	A	
46	COMPASS	LDSE	BSS 0	CP147	435	A	
47	COMPASS	CON	0LALL+0	CP147	436	A	
48	COMPASS	CON	0LFATAL+1	CP147	437	A	
49	COMPASS	CON	0LNONE+2	CP147	438	A	
50	COMPASS	DATA	0 LIST TERMINATOR	CP147	439	A	
51	COMPASS			CP147	440	A	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS					CP147	441	A		
COMPASS	LDSF	BSS	0	MASK FOR MAP TYPE LETTERS	CP147	442	A		
COMPASS		ECHO	2,L=(N,S,B,E,X)		CP147	443	A		
COMPASS		POS	1R_L+1		CP147	444	A		
COMPASS		VFD	1/1		CP147	445	A		
COMPASS		POS	0		CP147	446	A		
COMPASS					CP147	447	A		
COMPASS					CP147	448	A		
COMPASS	LDSG	BSS	0	VALUES FOR MAP TYPE LETTERS	CP147	449	A		
COMPASS		ECHO	2,L=(N,S,B,E,X),M=(0,1,2,4,10B),N=(1,0,0,0,0)		CP147	450	A		
COMPASS		POS	64-2*1R_L		CP147	451	A		
COMPASS		VFD	4/M,1/N		CP147	452	A		
COMPASS		POS	0		CP147	453	A		
COMPASS	LDSET	SPACE	4		CP147	454	A		
COMPASS					CP147	455	A		
COMPASS					CP147	456	A		
COMPASS	**			LDSET - LOADER OBJECT DIRECTIVES.	CP147	457	A		
COMPASS					CP147	458	A		
COMPASS		QUAL	PASS2		CP147	459	A		
COMPASS	LDSET	EQU	ZLIST		CP147	460	A		
COMPASS	LIST	SPACE	4		COMPASS	9210	A		
COMPASS	***			LIST - EXTENT OF LISTING.	COMPASS	9211	A		
COMPASS	*				COMPASS	9212	A		
COMPASS	*				COMPASS	9213	A		
COMPASS	*NAME	LIST	P1,P2,P3,,,,PN		COMPASS	9214	I		
COMPASS	-CMP30								
COMPASS	*	LIST	P1,P2,,,,,PN		CMP30	3055	A		
COMPASS	*	LIST	*		CMP30	3056	A		
COMPASS	*			CONTROLS LIST OUTPUT WHEN THE LIST PARAMETER (L) ON THE	COMPASS	9215	A		
COMPASS	*			COMPASS CONTROL CARD IS OTHER THAN *0*. ONE OR MORE OPTIONS	COMPASS	9216	A		
COMPASS	*			ARE SPECIFIED IN THE VARIABLE FIELD. A MINUS PREFIX TO AN	COMPASS	9217	A		
COMPASS	*			OPTION CAUSES THE OPTION TO BE DISCONTINUED.	COMPASS	9218	A		
COMPASS	*			AN ASTERISK CAUSES RETURN TO THE PREVIOUS SETTINGS.	CMP30	3057	A		
COMPASS	*				COMPASS	9219	A		
COMPASS	*	OPTION		DESCRIPTION OF OUTPUT	COMPASS	9220	A		
COMPASS	*				COMPASS	9221	A		
COMPASS	*	A		LIST SUBSTITUTED LINES. WHEN SELECTED,	COMPASS	9222	A		
COMPASS	*			THE LINE IS LISTED BEFORE AND AFTER	COMPASS	9223	A		
COMPASS	*			MICRO AND CONCATENATION SUBSTITUTION	COMPASS	9224	A		
COMPASS	*			AND REMOVAL.	COMPASS	9225	A		
COMPASS	*				COMPASS	9226	A		
COMPASS	*	C		CONTROL CARD LIST. CONTROLS THE LISTING	COMPASS	9227	A		
COMPASS	*			OF EJECT, SPACE, AND TITLE.	COMPASS	9228	A		
COMPASS	*				COMPASS	9229	A		
COMPASS	*	D		DETAIL. SUBSEQUENT LINES FOR DATA, DIS	COMPASS	9230	A		
COMPASS	*			RMT, VFD AND LIST OF LITERALS AND	COMPASS	9231	A		
COMPASS	*			DEFERRED SYMBOLS.	COMPASS	9232	A		
COMPASS	*				COMPASS	9233	A		
COMPASS	*	E		ECHOED LINES. INCLUDES ALL ITERATIONS	COMPASS	9234	A		
COMPASS	*			OF DUPLICATED CODE.	COMPASS	9235	A		
COMPASS	*				COMPASS	9236	A		
COMPASS	*	F		IF-SKIPPED LINES.	COMPASS	9237	A		
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## 14121HE

1

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS		RJ	SLO	SET LIST OPTIONS	COMPASS	9273	A	
1	COMPASS		RJ	LDL	LIST DEFERRED LINE	COMPASS	9274	A	1
2	COMPASS		RJ	CPL	CREATE PRINT LINE	COMPASS	9275	A	2
3	COMPASS		RJ	LISTL		COMPASS	9276	A	3
4	COMPASS		EQ	Z100		COMPASS	9277	A	4
5	COMPASS	LIT	SPACE	4		COMPASS	9278	A	5
6	COMPASS	***	LIT	-	LITERAL VALUES.	COMPASS	9279	A	6
7	COMPASS	*				COMPASS	9280	A	7
8	COMPASS	*				COMPASS	9281	A	8
9	COMPASS	*SYM	LIT	ITEM1,ITEM2,,,ITEMN		COMPASS	9282	A	9
10	COMPASS	*		(SYM) IS ASSIGNED THE VALUEOF THE LOCATION	OF ITEM1 IN THE	COMPASS	9283	A	10
11	COMPASS	*		LITERAL BLOCK.	UP TO 100 WORDS OF DATA ITEMS, SEPARATED	COMPASS	9284	A	11
12	COMPASS	*		BY COMMAS,	MAY BE INCLUDED IN ONE (LIT) INSTRUCTION.	COMPASS	9285	A	12
13	COMPASS					COMPASS	9286	A	13
14	COMPASS					COMPASS	9287	A	14
15	COMPASS		QUAL	PASS1		COMPASS	9288	A	15
16	COMPASS	LIT	MX6	0		COMPASS	9289	A	16
17	COMPASS		SA6	P1TEMP	COUNT OF ITEMS IN LIT	COMPASS	9290	A	17
18	COMPASS	LIT1	SA2	P1TEMP	TEST ITEM COUNT	COMPASS	9291	A	18
19	COMPASS		SB7	X2-NLITS		COMPASS	9292	A	19
20	COMPASS		PL	B7,LIT3		COMPASS	9293	A	20
21	COMPASS		SX2	VALUES+X2		COMPASS	9294	A	21
22	COMPASS		SX3	-B7		COMPASS	9295	A	22
23	COMPASS		MX4	0		COMPASS	9296	A	23
24	COMPASS		SA5	LWORD		COMPASS	9297	A	24
25	COMPASS		RJ	SCD	SCAN DATA ITEM (NEXT LITERAL)	COMPASS	9298	A	25
26	COMPASS		SA2	P1TEMP	CUMULATE COUNT	COMPASS	9299	A	26
27	COMPASS		SB7	X1-1R		COMPASS	9300	A	27
28	COMPASS		IX6	X2+X3		COMPASS	9301	A	28
29	COMPASS		SA6	A2		COMPASS	9302	A	29
30	COMPASS		ZR	B7,LIT2	JUMP IF END OF FIELD	COMPASS	9303	A	30
31	COMPASS		RJ	GETCH		COMPASS	9304	A	31
32	COMPASS		EQ	LIT1	GO BACK FOR MORE	COMPASS	9305	A	32
33	COMPASS	LIT2	SX2	VALUES	LOOK UP VALUES IN LITERAL TABLE	COMPASS	9306	A	33
34	COMPASS		BX3	X6		COMPASS	9307	A	34
35	COMPASS		ZR	X6,ERA	IF NO DATA	COMPASS	9308	A	35
36	COMPASS		RJ	YTLULIT		COMPASS	9309	A	36
37	COMPASS		SX6	X3		COMPASS	9310	A	37
38	COMPASS		SA6	FLAG	STORE LITERAL INDEX	COMPASS	9311	A	38
39	COMPASS		SA2	LOCSYM	DEFINE SYMBOL	COMPASS	9312	A	39
40	COMPASS		SA3	UI+1		COMPASS	9313	A	40
41	COMPASS		SX3	X3+2		COMPASS	9314	A	41
42	COMPASS		ZR	X2,CTL70	IGNORE IF NO LOCATION SYMBOL	COMPASS	9315	A	42
43	COMPASS		BX2	X6		COMPASS	9316	A	43
44	COMPASS		SX4	0		COMPASS	9317	A	44
45	COMPASS		MX5	0		COMPASS	9318	A	45
46	COMPASS		RJ	YDEFLOC		COMPASS	9319	A	46
47	COMPASS		EQ	CTL300	RETURN	COMPASS	9320	A	47
48	COMPASS	LIT3	SX6	B1		COMPASS	9321	A	48
49	COMPASS		SA6	EFLG		COMPASS	9322	A	49
50	COMPASS	+	SA6	FERR		COMPASS	9323	A	50
51	COMPASS		EQ	CTL70		COMPASS	9324	A	51

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## 1412THE

3

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS		EQ	ZLIST		COMPASS	9342	A		
1	COMPASS	LOC	SPACE	4		COMPASS	9343	A		
2	COMPASS	***	LOC - LOCATION COUNTER.			COMPASS	9344	A		
3	COMPASS	*				COMPASS	9345	A		
4	COMPASS	*				COMPASS	9346	A		
5	COMPASS	*	LOC	REXP		COMPASS	9347	A		
6	COMPASS	*	SET LOCATION COUNTER TO (REXP).			COMPASS	9348	A		
7	COMPASS					COMPASS	9349	A		
8	COMPASS					COMPASS	9350	A		
9	COMPASS		QUAL	PASS1		COMPASS	9351	A		
10	COMPASS	LOC	RJ	YFOUP	FORCE UPPER	COMPASS	9352	A		
11	COMPASS		SX6	B1+B1	EVALUTE NEW VALUE OF \$	COMPASS	9353	A		
12	COMPASS		SX1	21		COMPASS	9354	A		
13	COMPASS		RJ	SCADCON		COMPASS	9355	A		
14	COMPASS		SA2	AERR		COMPASS	9356	A		
15	COMPASS		SA3	UERR		COMPASS	9357	A		
16	COMPASS		SA4	EXVAL		COMPASS	9358	A		
17	COMPASS		SA5	EXREL		COMPASS	9359	A		
18	COMPASS		BX2	X3+X2		COMPASS	9360	A		
19	COMPASS		LX6	X4		COMPASS	9361	A		
20	COMPASS		SX7	X5		COMPASS	9362	A		
21	COMPASS		NZ	X2,CTL70		COMPASS	9363	A		
22	COMPASS		SA6	LOCCTR		COMPASS	9364	A		
23	COMPASS		SA7	A6+B1		COMPASS	9365	A		
24	COMPASS		EQ	CTL70		COMPASS	9366	A		
25	COMPASS	LOC	SPACE	4		COMPASS	9367	A		
26	COMPASS	**	LOC - LOCATION COUNTER.			COMPASS	9368	A		
27	COMPASS					COMPASS	9369	A		
28	COMPASS					COMPASS	9370	A		
29	COMPASS		QUAL	PASS2		COMPASS	9371	A		
30	COMPASS	LOC	RJ	ZFOUP	FORCE UPPER	COMPASS	9372	A		
31	COMPASS		SX6	B1+B1		COMPASS	9373	A		
32	COMPASS		SX1	21		COMPASS	9374	A		
33	COMPASS		RJ	SCADCON		COMPASS	9375	A		
34	COMPASS		NZ	X1,ZLIST	EXIT IF ERRORS	COMPASS	9376	A		
35	COMPASS		SA1	EXVAL		COMPASS	9377	A		
36	COMPASS		SA3	A1+B1	EXREL	COMPASS	9378	A		
37	COMPASS		BX6	X1		COMPASS	9379	A		
38	COMPASS		SA6	LOCCTR	RESET LOCCTR	COMPASS	9380	A		
39	COMPASS		BX7	X3		COMPASS	9381	A		
40	COMPASS		SA7	A6+B1	RESET LOCCTR RELOCATION	COMPASS	9382	A		
41	COMPASS		EQ	ZLLA	EXIT	COMPASS	9383	A		
42	COMPASS	MACHINE	SPACE	4		CMP30	3069	A		
43	COMPASS	***	MACHINE - DECLARE OBJECT PROCESSOR TYPE.			CMP30	3070	A		
44	COMPASS	*				CMP30	3071	A		
45	COMPASS	*				CMP30	3072	A		
46	COMPASS	*	MACHINE TYPE,H1,H2,...,HN			CMP30	3073	A		
47	COMPASS	*	SETS *TARGET*, *VALID*, AND *HARDWARE* FIELDS IN PREFIX TABLE			CMP30	3074	A		
48	COMPASS	*	IN BINARY OUTPUT, UNDEFINES MACHINE INSTRUCTIONS FOR MACHINES			CMP30	3075	A		
49	COMPASS	*	OTHER THAN (TYPE), AND SETS A FLAG THAT CAN BE TESTED BY THE			CMP30	3076	A		
50	COMPASS	*	PSEUDO INSTRUCTIONS IFCP6, IFCP7, IFPP6, AND IFPP7.			CMP30	3077	A		
51	COMPASS	*	(TYPE) = OBJECT PROCESSOR TYPE, INTERPRETED AS FOLLOWS -			CMP30	3078	A		
52										
53		0	1	2	3	4	5	6	7	8
54		1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	
55										
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	PL	B7,MCH1		CMP30	3106	A
COMPASS	SA1	VALID		CMP30	3107	A
COMPASS	BX6	X1+X6		CMP30	3108	A
COMPASS	SA6	TARGET	SET TARGET	CMP30	3109	A
COMPASS	MCH1	SA5	=9R	CMP30	3110	A
COMPASS	SB2	48		CMP30	3111	A
COMPASS	MCH2	RJ	SCLIST	CMP30	3112	A
COMPASS	SA1	CHAR		CMP30	3113	A
COMPASS	SB7	X1-1R		CMP30	3114	A
COMPASS	ZR	B7,MCH3	IF BLANK (END OF STATEMENT)	CMP30	3115	A
COMPASS	EQ	B7,B1,MCH2	IF COMMA (IGNORE EMPTY SUBFIELD)	CMP30	3116	A
COMPASS	SX1	B7		CMP30	3117	A
COMPASS	LX2	X1,B2	POSITION FIRST CHARACTER OF SUBFIELD	CMP30	3118	A
COMPASS	SB2	B2-6		CMP30	3119	A
COMPASS	IX5	X5+X2	ADD TO HARDWARE DEPENDENCY STRING	CMP30	3120	A
COMPASS	PL	B2,MCH2	LOOP	CMP30	3121	A
COMPASS	MCH3	BX6	X5	CMP30	3122	A
COMPASS	SA6	HTYPE	STORE STRING	CMP30	3123	A
COMPASS				CPSA227	12	A
COMPASS	RM	IFEQ	CP#RM,0	CPSA227	13	A
COMPASS				CPSA227	14	A
COMPASS	SA1	MTYPE		F4830CP	53	A
COMPASS	SX1	X1-4		F4830CP	54	A
COMPASS	NZ	X1,MCH4	IF MTYPE.NE.4 GO RETURN	F4830CP	55	A
COMPASS	RJ	RIV	ELSE GO REDEFINE INSTRUCTIONS FOR V	F4830CP	56	A
COMPASS				CPSA227	15	A
COMPASS	RM	ENDIF		CPSA227	16	A
COMPASS				CPSA227	17	A
COMPASS	MCH4	BSS	0	F4830CP	57	A
COMPASS	EQ	CTL300	RETURN	CMP30	3124	A
COMPASS	MACHINE	SPACE	4	CMP30	3125	A
COMPASS	**	MACHINE	- DECLARE OBJECT PROCESSOR TYPE.	CMP30	3126	A
COMPASS				CMP30	3127	A
COMPASS				CMP30	3128	A
COMPASS		QUAL	PASS2	CMP30	3129	A
COMPASS	MCH	EQU	ZLIST	CMP30	3130	A
COMPASS	MACRO	SPACE	4	COMPASS	9384	A
COMPASS	***	MACRO	- MACRO DEFINITION.	COMPASS	9385	A
COMPASS	*			COMPASS	9386	A
COMPASS	*			COMPASS	9387	A
COMPASS	*NAME	MACRO	P1,P2,P3,,,PN	COMPASS	9388	A
COMPASS	*	ARGUMENTS (PI)	MUST START WITH A LETTER, UP TO 63 MAY BE	COMPASS	9389	A
COMPASS	*	LISTED, SEPARATED BY SPECIAL CHARACTERS	,.-*/()\$=.	COMPASS	9390	A
COMPASS	*	SUBSEQUENT INSTRUCTIONS UNTIL (ENDM)	ARE SAVED AS A MACRO	COMPASS	9391	A
COMPASS	*	DEFINITION.		COMPASS	9392	A
COMPASS	*			COMPASS	9393	A
COMPASS	*			COMPASS	9394	A
COMPASS	*	MACRO	NAME,PL,P1,P2,,,PN	COMPASS	9395	A
COMPASS	*	THE FIRST SUBFIELD IS THE MACRO NAME.	THE SECOND SUBFIELD	COMPASS	9396	A
COMPASS	*	(PL) IS AN ARGUMENT FROM THE LOCATION FIELD.	SUBSEQUENT	COMPASS	9397	A
COMPASS	*	FIELDS ARE THE REMAINING MACRO PARAMETERS.		COMPASS	9398	A
COMPASS				COMPASS	9399	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA6	MAXA	COMPASS	9452	A
COMPASS	SA2	LOCSYM	COMPASS	9453	A
COMPASS	NZ	X2,MAX2	COMPASS	9454	A
COMPASS	SX7	B1	COMPASS	9455	A
COMPASS	SA7	EFLG	COMPASS	9456	A
COMPASS	SA7	W6ERR	COMPASS	9457	A
COMPASS	EQ	CTL70	COMPASS	9458	A
COMPASS	MAX2	SX6	COMPASS	9459	A
COMPASS	SX1	21	COMPASS	9460	A
COMPASS	RJ	SCADCON	COMPASS	9461	A
COMPASS	MAX3	SA1	COMPASS	9462	A
COMPASS	SA2	EXVAL	COMPASS	9463	A
COMPASS	SA3	A1+B1	COMPASS	9464	A
COMPASS	SA3	A2+B1	COMPASS	9465	A
COMPASS	BX6	X1	COMPASS	9466	A
COMPASS	LX7	X2	COMPASS	9467	A
COMPASS	SA4	A3+B1	COMPASS	9468	A
COMPASS	SA6	P1TEMP	COMPASS	9469	A
COMPASS	SA7	A6+B1	COMPASS	9470	A
COMPASS	BX6	X3	COMPASS	9471	A
COMPASS	LX7	X4	COMPASS	9472	A
COMPASS	SA6	A7+B1	COMPASS	9473	A
COMPASS	SA7	A6+B1	COMPASS	9474	A
COMPASS	SA3	A7+B1	COMPASS	9475	A
COMPASS	BX6	X3	COMPASS	9476	A
COMPASS	SA6	FLAG	COMPASS	9477	A
COMPASS	MAX4	SA2	COMPASS	9478	A
COMPASS	ZR	EXSTOP	COMPASS	9479	A
COMPASS	SX6	X2,MAX5	COMPASS	9480	A
COMPASS	SX1	B1	COMPASS	9481	A
COMPASS	RJ	21	COMPASS	9482	A
COMPASS	SA3	SCADCON	COMPASS	9483	A
COMPASS	SA3	P1TEMPD	COMPASS	9484	A
COMPASS	SX6	X3+B1	COMPASS	9485	A
COMPASS	SA6	A3	COMPASS	9486	A
COMPASS	SA1	P1TEMP	COMPASS	9487	A
COMPASS	SA2	EXVAL	COMPASS	9488	A
COMPASS	MAXA	IX6	COMPASS	9489	A
COMPASS	PL	X2-X1	COMPASS	9490	A
COMPASS	PL	X6,MAX3	COMPASS	9491	A
COMPASS	+	EQ	COMPASS	9492	A
COMPASS	MAX5	MAX4	COMPASS	9493	A
COMPASS	SA2	LOOP	COMPASS	9494	A
COMPASS	SA3	DEFINE SYMBOL	COMPASS	9495	A
COMPASS	SA4	A2+B1	COMPASS	9496	A
COMPASS	SA4	A3+B1	COMPASS	9497	A
COMPASS	SA1	EFLG	COMPASS	9498	A
COMPASS	NZ	X1,MAX6	COMPASS	9499	A
COMPASS	SA5	LIBFLG	COMPASS	9500	A
COMPASS	LX6	X5,B1	COMPASS	9501	A
COMPASS	SX5	X6+B1	COMPASS	9502	A
COMPASS	RJ	YDEFLOC	COMPASS	9503	A
COMPASS	EQ	CTL70			
COMPASS	MAX6	B1			
COMPASS	SA6	W2ERR			

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	EQ	CTL70	RETURN	COMPASS	9504	A
COMPASS				COMPASS	9505	A
COMPASS	MAXB	IX6	X2-X1	COMPASS	9506	A
COMPASS		PL	X6,MAX3	COMPASS	9507	A
COMPASS	MAX	SPACE	4	COMPASS	9508	A
COMPASS	**	MAX	- CALCULATE MAXIMUM EXPRESSION.	COMPASS	9509	A
COMPASS				COMPASS	9510	A
COMPASS				COMPASS	9511	A
COMPASS		QUAL	PASS2	COMPASS	9512	A
COMPASS	MAX	SA1	FLAG	COMPASS	9513	A
COMPASS		SX6	B1	COMPASS	9514	A
COMPASS		IX6	X1-X6	COMPASS	9515	I
-CMP19						
COMPASS		IX7	X1-X6	CMP19	187	A
COMPASS		ZR	X1,SETEQU	COMPASS	9516	A
COMPASS		SA6	A1	COMPASS	9517	I
-CMP19						
COMPASS		SA7	A1	CMP19	188	A
COMPASS		SX6	B1	COMPASS	9518	A
COMPASS		SX1	21	COMPASS	9519	A
COMPASS		RJ	SCADCON	COMPASS	9520	A
COMPASS		EQ	MAX	COMPASS	9521	A
			LOOP			
COMPASS	MCU	SPACE	4	F4820	645	A
COMPASS	***	MCU	- MICROPROCESSOR CONTROL UNIT ASSEMBLY.	F4820	646	A
COMPASS	*			F4820	647	A
COMPASS	*			F4820	648	A
COMPASS	*	MCU		F4820	649	A
COMPASS	*	MCU	DECLARES THE PROGRAM TO BE A MICROPROCESSOR (6800)	F4820	650	A
COMPASS	*	ASSEMBLY	AND ABSOLUTE. THE RULES STATED UNDER ABS APPLY.	F4820	651	A
COMPASS				F4820	652	A
COMPASS				F4820	653	A
COMPASS		QUAL	PASS1	F4820	654	A
COMPASS	MCU	SX6	-2	F4820	655	A
COMPASS		SA6	PPTYPE	F4820	656	A
COMPASS		SA1	CHAR	F4820A	58	A
COMPASS		MX6	0	F4820A	59	A
COMPASS		SB3	X1-1R8	F4820A	60	A
COMPASS	+	NZ	B3,*+1	F4820A	61	A
COMPASS		SX6	B1	F4820A	62	A
COMPASS		SA6	RMODE	F4820A	63	A
COMPASS		SX6	B1	F4820	657	A
COMPASS		SA6	NCHARS	F4820	658	A
COMPASS		SX7	8	F4820	659	A
COMPASS		JP	BCU.1	F4820	660	A
COMPASS	MCU	SPACE	4	F4820	661	A
COMPASS	**	MCU	- MICROPROCESSOR CONTROL UNIT ASSEMBLY.	F4820	662	A
COMPASS				F4820	663	A
COMPASS				F4820	664	A
COMPASS		QUAL	PASS2	F4820	665	A
COMPASS	MCU	EQU	ZLIST	F4820	666	I
-CPSA305						
COMPASS	MCU	EQU	BCU	CPSA305	19	A
0	1	2	3	4	5	6
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP30

1	COMPASS	-CMP30	SA4	L.MICTAB	COMPASS	9537	I
2	COMPASS	-CMP30	SB7	X4	COMPASS	9538	I
3	COMPASS	-CMP18	-CMP30		COMPASS	9539	I
4	COMPASS	-CMP18	SA6	X5	COMPASS	9540	I
5	COMPASS	-CMP18	-CMP30		COMPASS	9541	I
6	COMPASS	-CMP18	SB2	B7-2	COMPASS	9542	I
7	COMPASS	-CMP18	-CMP30		COMPASS	9543	I
8	COMPASS	-CMP18	LE	B2,MCT5	COMPASS	9544	I
9	COMPASS	-CMP18	SA3	X5+B2	COMPASS	9545	I
10	COMPASS	-CMP18	-CMP30	SEARCH TABLE	COMPASS	9546	I
11	COMPASS	-CMP18	SB2	B2-1	COMPASS	9547	I
12	COMPASS	-CMP18	-CMP30		COMPASS	9548	I
13	COMPASS	-CMP18	BX1	X6-X3	COMPASS	9549	I
14	COMPASS	-CMP18	-CMP30		COMPASS	9550	I
15	COMPASS	-CMP18	PX7	X6,B1	COMPASS	9551	I
16	COMPASS	-CMP30	SB2	X4-1	COMPASS	9552	I
17	COMPASS	-CMP30	SA7	X5	COMPASS	9553	I
18	COMPASS	-CMP30	SA3	X5+B2	COMPASS	9554	I
19	COMPASS	-CMP30	MCT1	SEARCH TABLE	COMPASS	9555	I
20	COMPASS	-CMP30	UX1,B3	X3	COMPASS	9556	I
21	COMPASS	-CMP30	BX1	X1-X6	COMPASS	9557	I
22	COMPASS	-CMP30	SB2	B2-B3	COMPASS	9558	I
23	COMPASS	-CMP30	NZ	X1,MCT1	COMPASS	9559	I
24	COMPASS	-CMP30	NG	B2,MCT5	COMPASS	9560	I
25	COMPASS	-CMP30	BX1	X6-X3	COMPASS	9561	I
26	COMPASS	-CMP18	-CMP30		COMPASS	9562	I
27	COMPASS	-CMP18	NZ	X1,MCT1	COMPASS	9563	I
28	COMPASS	-CMP18	-CMP30	IF NAME NOT FOUND	COMPASS	9564	I
29	COMPASS	-CMP18	MX0	54	COMPASS	9565	I
30	COMPASS	-CMP18	-CMP30	COUNT NUMBER OF WORDS IN MICRO	COMPASS	9566	I
31	COMPASS	-CMP18	SX2	-11	COMPASS	9567	I
32	COMPASS	-CMP18	-CMP30		COMPASS	9568	I
33	COMPASS	-CMP18	SA3	A3+B1	COMPASS	9569	I
34	COMPASS	-CMP18	-CMP30		COMPASS	9570	I
35	COMPASS	-CMP18	SX2	X2+10	COMPASS	9571	I
36	COMPASS	-CMP18	-CMP30		COMPASS	9572	I
37	COMPASS	-CMP18	BX6	-X0*X3	COMPASS	9573	I
38	COMPASS	-CMP18	-CMP30		COMPASS	9574	I
39	COMPASS	-CMP18	NZ	X6,MCT2	COMPASS	9575	I
40	COMPASS	-CMP18	-CMP30	IF NOT END OF MICRO	COMPASS	9576	I
41	COMPASS	-CMP18	LX3	6	COMPASS	9577	I
42	COMPASS	MCT3		COUNT CHARACTERS IN LAST WORD OF MICRO	COMPASS	9578	I

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

1	COMPASS	-CMP18	-CMP30			COMPASS	9556	I	
2		-CMP18	-CMP30						
3	COMPASS		SX2	X2+B1		COMPASS	9557	I	
4		-CMP18	-CMP30						
5	COMPASS		NZ	X6,MCT3	IF NOT END OF MICRO	COMPASS	9558	I	
6		-CMP18	-CMP30						
7	COMPASS		SX2	B3-B1	N = NUMBER OF VALUE WORDS	CMP18	69	I	
8		-CMP30							
9	COMPASS		ZR	X6,MCT5	IF MICRO NAME IS NULL	CMP30	3152	A	
10	COMPASS		BX7	X6		CMP30	3153	A	
11	COMPASS		RJ	TLUMIC	LOOK UP MICRO NAME	CMP30	3154	A	
12	COMPASS		SX2	B4-B1	N = NUMBER OF VALUE WORDS	CMP30	3155	A	
13	COMPASS		ZR	B4,MCT5	IF MICRO NOT FOUND	CMP30	3156	A	
14	COMPASS		SB3	X2		CMP30	3157	A	
15	COMPASS		ZR	X2,MCT4	IF N = 0	CMP18	70	A	
16	COMPASS		IX3	X2+X2		CMP18	71	A	
17	COMPASS		LX2	3		CMP18	72	A	
18	COMPASS		SA1	A3-B1	LAST VALUE WORD	CMP18	73	I	
19		-CMP30							
20	COMPASS		SA1	A2+B3	LAST VALUE WORD	CMP30	3158	A	
21	COMPASS		MX0	-6		CMP18	74	A	
22	COMPASS		IX2	X2+X3	10 * N	CMP18	75	A	
23	COMPASS		BX6	-X0*X1		CMP18	76	A	
24	COMPASS		SX2	X2-10	10 * (N - 1) + NUMBER OF CHARACTERS	CMP18	77	A	
25	COMPASS		IX2	X2+X6	IN LAST VALUE WORD	CMP18	78	A	
26	COMPASS	MCT4	BX6	X2	SET MICRO COUNT AND DEFINE LOCATION	COMPASS	9559	A	
27	COMPASS		SA6	FLAG		COMPASS	9560	A	
28	COMPASS		SX3	B0		COMPASS	9561	A	
29	COMPASS		MX4	0		COMPASS	9562	A	
30	COMPASS		SX5	B1		COMPASS	9563	A	
31	COMPASS		RJ	YDEFLOC		COMPASS	9564	A	
32	COMPASS		EQ	CTL70		COMPASS	9565	A	
33	COMPASS	MCT5	SX6	B1	SET ERROR FLAG	COMPASS	9566	A	
34	COMPASS		SA6	W2ERR		COMPASS	9567	A	
35	COMPASS		SA6	EFLG		COMPASS	9568	A	
36	COMPASS		SX6	B0		COMPASS	9569	A	
37	COMPASS		SA6	AERR		COMPASS	9570	A	
38	COMPASS		EQ	CTL70		COMPASS	9571	A	
39	COMPASS	MICCNT	SPACE	4		COMPASS	9572	A	
40	COMPASS	**	MICCNT	- MICRO CHARACTER COUNT.		COMPASS	9573	A	
41	COMPASS					COMPASS	9574	A	
42	COMPASS					COMPASS	9575	A	
43	COMPASS		QUAL	PASS2		COMPASS	9576	A	
44	COMPASS	MICCNT	SA2	FLAG	DEFINE LOCATION SYMBOL	COMPASS	9577	A	
45	COMPASS		SA3	EFLG		COMPASS	9578	A	
46	COMPASS		NZ	X3,ZLIST	IF ERRORS IN PASS 1	COMPASS	9579	A	
47	COMPASS		SA1	LOCSYM		COMPASS	9580	A	
48	COMPASS		MX3	0		COMPASS	9581	I	
49		-CMP19							
50	COMPASS		MX6	0		CMP19	189	A	
51	COMPASS		IX4	X4-X4		COMPASS	9582	A	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA6	EXREL			CMP19	190	A
COMPASS	SX5	B1			CMP19	191	A
COMPASS	SA6	A6+B1	EXEXT		CMP19	192	A
COMPASS	RJ	ZDEFSYM			COMPASS	9583	A
COMPASS	SA1	FLAG	OUTPUT OCTAL		COMPASS	9584	I
-CMP19							
COMPASS	SX2	36			COMPASS	9585	I
-CMP19							
COMPASS	MX3	0			COMPASS	9586	I
-CMP19							
COMPASS	RJ	PACK0			COMPASS	9587	I
-CMP19							
COMPASS	EQ	ZLIST			COMPASS	9588	A
COMPASS	MICRO	SPACE 4			COMPASS	9589	A
COMPASS	***	MICRO - DEFINE MICRO.			COMPASS	9590	A
COMPASS	*				COMPASS	9591	A
COMPASS	*				COMPASS	9592	A
COMPASS	*MNAME	MICRO AEXP1,AEXP2,*STRING*			COMPASS	9593	A
COMPASS	*	THE MICRO STRING (MNAME) IS FORMED BY EXTRACTING (AEXP2)			COMPASS	9594	A
COMPASS	*	CHARACTERS FROM (STRING) BEGINNING WITH THE CHARACTER			COMPASS	9595	A
COMPASS	*	SPECIFIED BY (AEXP1). IF (AEXP1) IS ZERO OR BLANK, THE			COMPASS	9596	A
COMPASS	*	CHARACTER STRING IS EMPTY. IF (AEXP2) IS ZERO OR BLANK,			COMPASS	9597	A
COMPASS	*	THE LENGTH OF THE STRING IS DELIMITED BY THE CHARACTER (*).			COMPASS	9598	A
COMPASS					COMPASS	9599	A
COMPASS					COMPASS	9600	A
COMPASS	QUAL	PASS1			COMPASS	9601	A
COMPASS	MICRO	SX6 3	ABSOLUTE ONLY		COMPASS	9602	A
COMPASS	SX1	15			COMPASS	9603	A
COMPASS	RJ	SMC	GET FIRST SUBFIELD - POSITION		COMPASS	9604	A
COMPASS	SA5	EXVAL			COMPASS	9605	A
COMPASS	BX7	X5			COMPASS	9606	A
COMPASS	SX6	3			COMPASS	9607	A
COMPASS	SA7	P1TEMP	SAVE POSITION SUBFIELD		COMPASS	9608	A
COMPASS	SX1	15			COMPASS	9609	A
COMPASS	RJ	SMC			COMPASS	9610	A
COMPASS	SA1	AERR			COMPASS	9611	A
COMPASS	SA2	UERR			COMPASS	9612	A
COMPASS	BX2	X1+X2			COMPASS	9613	A
COMPASS	ZR	X2,MIC3	IF NO ERROR		COMPASS	9614	A
COMPASS	SX6	B1	SET *A* ERROR		COMPASS	9615	A
COMPASS	SA6	AERR			COMPASS	9616	A
COMPASS	SA6	EFLG			COMPASS	9617	A
COMPASS	EQ	CTL70	RETURN		COMPASS	9618	A
COMPASS	MIC3	SA1	COLUMN	SCAN OFF MICRO	COMPASS	9619	A
COMPASS	SA2	LASTCOL			COMPASS	9620	A
COMPASS	SA3	EXVAL	CHARACTER COUNT		COMPASS	9621	A
COMPASS	SA4	P1TEMP	BIAS		COMPASS	9622	A
COMPASS	SA1	X1+CARD-1	FETCH FIRST CHARACTER OF MICRO		COMPASS	9623	I
-CMP052							
COMPASS	BX6	X3+X4			CMP052	1	A
COMPASS	PL	X6,MIC2	IF NEITHER IS NEGATIVE		CMP052	2	A
COMPASS	SX6	B1			CMP052	3	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS		SA6	W7ERR	SET *7* ERROR	CMP052	4	A	
COMPASS		SA6	EFLG		CMP052	5	A	
COMPASS	MIC2	SA1	X1+CARD-1	FETCH FIRST CHARACTER OF MICRO	CMP052	6	A	
COMPASS		BX7	X1	SAVE DELIMITER	COMPASS	9624	A	
COMPASS		MX6	0		COMPASS	9625	A	
COMPASS		SA0	10		COMPASS	9626	A	
COMPASS		SB7	A0		COMPASS	9627	A	
COMPASS		SB3	-B1		COMPASS	9628	A	
COMPASS		SA7	X2+CARD+1	STORE TERMINATOR WAY OUT IN CARD	COMPASS	9629		I
-CMP12								
COMPASS		SA7	X2+CARD	STORE DELIMITER AFTER END OF STATEMENT	CMP12	10	A	
COMPASS		SA6	RELVEC		COMPASS	9630		I
-CMP18								
COMPASS		SB4	B0		CMP18	79	A	
COMPASS		ZR	X4,MIC6	IF BIAS=0, CONSIDER MICRO EMPTY	COMPASS	9631	A	
COMPASS		MI	X4,MIC6		CMP052	7	A	
COMPASS	+	SA1	A1+B1	SPACE OVER INITIAL CHARACTERS	COMPASS	9632	A	
COMPASS		SX4	X4+B3		COMPASS	9633	A	
COMPASS		BX5	X7-X1		COMPASS	9634	A	
COMPASS		ZR	X5,MIC6	STOP ON TERMINATOR	COMPASS	9635	A	
COMPASS		NZ	X4,*-1		COMPASS	9636	A	
COMPASS	MIC4	LX6	6	PACK MICRO	COMPASS	9637	A	
COMPASS		BX6	X1+X6		COMPASS	9638	A	
COMPASS		SB7	B7-B1		COMPASS	9639	A	
COMPASS		NZ	B7,MIC5		COMPASS	9640	A	
COMPASS		SA6	A6+B1	STORE COMPLETED WORD	COMPASS	9641		I
-CMP18								
COMPASS		SA6	RELVEC+B4	STORE COMPLETED WORD	CMP18	80	A	
COMPASS		SB7	A0		COMPASS	9642	A	
COMPASS		MX6	0		COMPASS	9643	A	
COMPASS		SB4	B4+B1		CMP18	81	A	
COMPASS	MIC5	SA1	A1+B1		COMPASS	9644	A	
COMPASS		BX2	X7-X1		COMPASS	9645	A	
COMPASS		SX3	X3+B3		COMPASS	9646	A	
COMPASS		ZR	X3,MIC6	STOP ON COUNT	COMPASS	9647	A	
COMPASS		NZ	X2,MIC4	STOP ON TERMINATOR	COMPASS	9648	A	
COMPASS	MIC6	SB7	B7-B1	APPEND TERMINAL ZEROES	COMPASS	9649		I
-CMP18								
COMPASS	MIC6	SX3	A0-B7		CMP18	82	A	
COMPASS		NZ	B4,MIC7	IF MICRO VALUE NON-NULL	CMP18	83	A	
COMPASS		ZR	X3,MIC8	IF MICRO VALUE IS NULL	CMP18	84	A	
COMPASS	MIC7	SB7	B7-B1	LEFT JUSTIFY LAST VALUE WORD, ZERO FILL	CMP18	85	A	
COMPASS		LX6	6		COMPASS	9650	A	
COMPASS		NZ	B7,*		COMPASS	9651	A	
COMPASS		SA6	A6+B1		COMPASS	9652		I
-CMP18								
COMPASS		SX6	A6-RELVEC+1	LENGTH OF MICRO AND ITS NAME	COMPASS	9653		I
-CMP18								
COMPASS		IX6	X6+X3	APPEND CHARACTER COUNT	CMP18	86	A	
COMPASS		SA6	RELVEC+B4	STORE LAST VALUE WORD	CMP18	87	A	
COMPASS		SB4	B4+B1		CMP18	88	A	
COMPASS	MIC8	SX6	B4+B1	LENGTH OF MICRO VALUE AND ITS NAME	CMP18	89	A	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	RJ	EMT	ENTER MICRO IN TABLE	COMPASS	9654	I
-CMP12						
COMPASS	SX7	1R		CMP12	11	A
COMPASS	SA7	A7	RESTORE BLANK AT END OF STATEMENT	CMP12	12	A
COMPASS	RJ	EMT	ENTER MICRO IN TABLE	CMP12	13	A
COMPASS	EQ	CTL300	RETURN	COMPASS	9655	I
-CPS0275						
COMPASS	EQ	CTL70	WRITE TO THE INTERMEDIATE	CPS0275	5	A
COMPASS	MICRO	SPACE	4	COMPASS	9656	A
COMPASS	**	MICRO	- DEFINE MICRO.	COMPASS	9657	A
COMPASS				COMPASS	9658	A
COMPASS				COMPASS	9659	A
COMPASS	QUAL	PASS2		COMPASS	9660	A
COMPASS	MICRO	EQU	ZLIST	COMPASS	9661	I
-CPS218						
COMPASS	MICRO	SX6	3	CPS218	5	A
COMPASS		SX1	15	CPS218	6	A
COMPASS	RJ	SMC	GET FIRST SUBFIELD	CPS218	7	A
COMPASS	SX6	3		CPS218	8	A
COMPASS	SX1	15		CPS218	9	A
COMPASS	RJ	SMC	GET SECOND SUBFIELD	CPS218	10	A
COMPASS	EQ	ZLIST		CPS218	11	A
COMPASS	MIN	SPACE	4	COMPASS	9662	A
COMPASS	***	MIN	- CALCULATE MINIMUM EXPRESSION.	COMPASS	9663	A
COMPASS	*			COMPASS	9664	A
COMPASS	*			COMPASS	9665	A
COMPASS	*SYM	MIN	EXP1,EXP2,...,EXPN	COMPASS	9666	A
COMPASS	*	(SYM)	IS REDEFINED TO THE VALUE OF THE SMALLEST ADDRESS	COMPASS	9667	A
COMPASS	*	EXPRESSION.		COMPASS	9668	A
COMPASS				COMPASS	9669	A
COMPASS				COMPASS	9670	A
COMPASS	QUAL	PASS1		COMPASS	9671	A
COMPASS	MIN	SA1	*+1	COMPASS	9672	A
COMPASS		EQ	MAX1	COMPASS	9673	A
COMPASS				COMPASS	9674	A
COMPASS	+	IX6	X2-X1	COMPASS	9675	A
COMPASS		NG	X6,MAX3 IF NEW < OLD	COMPASS	9676	A
COMPASS	MIN	SPACE	4	COMPASS	9677	A
COMPASS	**	MIN	- CALCULATE MINIMUM EXPRESSION.	COMPASS	9678	A
COMPASS				COMPASS	9679	A
COMPASS				COMPASS	9680	A
COMPASS	QUAL	PASS2		COMPASS	9681	A
COMPASS	MIN	EQU	MAX	COMPASS	9682	A
COMPASS	NDOP	SPACE	4	F4820B	398	A
COMPASS	***	NDOP	- DEFINE NAD OPERATION CODE.	F4820B	399	A
COMPASS	*			F4820B	400	A
COMPASS	*			F4820B	401	A
COMPASS	*NAME	NDOP	CTL,VAL	F4820B	402	A
COMPASS	*	(NAME)	= MNEMONIC NAME.	F4820B	403	A
COMPASS	*	(CTL)	= 0 - 4-BIT ADDRESS. (SAB)	F4820B	404	A
COMPASS	*		1 - (16 - 4-BIT) ADDRESS. (SLC)	F4820B	405	A
COMPASS	*		2 - (15 - 4-BIT) ADDRESS. (TAB)	F4820B	406	A
0	1	2	3	4	5	6
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	*			3 - 8-BIT ADDRESS. (ADN)	F4820B	407	A
COMPASS	*			4 - 9-BIT RELATIVE ADDRESS. (UJR)	F4820B	408	A
COMPASS	*			5 - 4-BIT CHANNEL AND NO ADDRESS. (IAN)	F4820B	409	A
COMPASS	*			6 - 8-BIT ADDRESS AND OPTIONAL INDEXING. (LDD)	F4820B	410	A
COMPASS	*			7 - 4-BIT CHANNEL AND 4-BIT ADDRESS. (INT)	F4820B	411	A
COMPASS	*			8 - 16 BIT INSTRUCTION,NO ADDRESS (JFA)	F4820B	412	A
COMPASS	*			9 - 8 BIT ADDRESS BACKWARD ONLY (RTB)	F4820B	413	A
COMPASS	*			10 - 12-BIT ADDRESS. (FNA)	F4820B	414	A
COMPASS	*			11 - 2 16-BIT ADDRESS I/O. (IAM)	F4820B	415	A
COMPASS	*			WITH 2 INSTRUCTION PARAMETERS.	F4820B	416	A
COMPASS	*			12 - 2 16-BIT ADDRESS. (TST)	F4820B	417	A
COMPASS	*			WITH 3 INSTRUCTION PARAMETERS.	F4820B	418	A
COMPASS	*			13 - 7 BIT ADDRESS (BIT 8 SET = BACKWARD) (L1R)	F4820B	419	A
COMPASS	*			(BIT 8 ZERO = FORWARD)	F4820B	420	A
COMPASS	*			14 - 16 BIT INSTRUCTION WITH 16 BIT ADDRESS. (LJM)	F4820B	421	A
COMPASS	*			15 - 16 BIT INSTRUCTION WITH 3 16 BIT ADDRESSES (QGT)	F4820B	422	A
COMPASS	*			16 - 4 BIT ADDRESS AND 15-4 BIT FLAG. (SCM)	F4820B	423	A
COMPASS	*			17 - 16 BIT INSTRUCTION AND 16 BIT RELATIVE FORWARD ADDRESS. (CCU)	F4820B	424	A
COMPASS	*			(VAL) = 16-BIT OPERATION CODE VALUE.	F4820B	425	A
COMPASS	*				F4820B	426	A
COMPASS					F4820B	427	A
COMPASS					F4820B	428	A
COMPASS					F4820B	429	A
COMPASS					F4820B	430	A
COMPASS					F4820B	431	A
COMPASS					F4820B	432	A
COMPASS					F4820B	433	A
COMPASS	NDOP	QUAL	PASS1	READ CTL	F4820B	434	A
COMPASS		SX6	3		F4820B	435	A
COMPASS		SX1	5		F4820B	436	A
COMPASS		RJ	SCADCON		F4820B	437	A
COMPASS		SA1	EXVAL		F4820B	438	A
COMPASS		SX6	3	READ VAL	F4820B	439	A
COMPASS		BX7	X1		F4820B	440	A
COMPASS		SX1	16		F4820B	441	A
COMPASS		SA7	P1TEMPA		F4820B	442	A
COMPASS		RJ	SCADCON		F4820B	443	A
COMPASS		SA1	BADLOC		F4820B	444	A
COMPASS		SX6	B1		F4820B	445	A
COMPASS		ZR	X1,NDOP1	IF NO LOCATION ERROR	F4820B	446	A
COMPASS		SA6	LERR		F4820B	447	A
COMPASS		SA6	EFLG		F4820B	448	A
COMPASS	NDOP1	SA1	P1TEMPA		F4820B	449	A
COMPASS		SA2	EXVAL		F4820B	450	A
COMPASS		SA3	EFLG		F4820B	451	A
COMPASS		SX6	140040B	SET BCU AND OPSYN	F4820B	452	A
COMPASS		SB2	X1-10B	CHECK CTL	F4820B	453	A
COMPASS		SB3	X1-/PASS2/ZBCAL		F4820B	454	A
COMPASS		NG	B2,NDOP2	IF NOT NAD EXTENSION	F4820B	455	A
COMPASS		PL	B3,CTL70	IF OUT OF RANGE	F4820B	456	A
COMPASS		SX7	B2+B1	SET EXTENSION CONTROL	F4820B	457	A
COMPASS		SX1	B0		F4820B	458	A
COMPASS		LX7	55		F4820B		A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS		BX1	X1+X7		F4820B	459	A
COMPASS	NDOP2	LX1	27		F4820B	460	A
COMPASS		MX0	-16		F4820B	461	A
COMPASS		BX2	-X0*X2		F4820B	462	A
COMPASS		BX1	X1+X2		F4820B	463	A
COMPASS		LX6	42		F4820B	464	A
COMPASS		IX2	X1+X6		F4820B	465	A
COMPASS		SA1	LOCSYM		F4820B	466	A
COMPASS		NZ	X3,CTL70	IF ERROR	F4820B	467	A
COMPASS		RJ	ENTOP		F4820B	468	A
COMPASS		EQ	CTL300	RETURN	F4820B	469	A
COMPASS	NDOP	SPACE	4		F4820B	470	A
COMPASS	**	NDOP	- DEFINE NAD OPERATION CODE.		F4820B	471	A
COMPASS					F4820B	472	A
COMPASS					F4820B	473	A
COMPASS		QUAL	PASS2		F4820B	474	A
COMPASS	NDOP	EQU	ZLIST		F4820B	475	A
COMPASS	NIL	SPACE	4		COMPASS	9683	A
COMPASS	***	NIL	- DO NOTHING.		COMPASS	9684	A
COMPASS	*				COMPASS	9685	A
COMPASS	*				COMPASS	9686	A
COMPASS	*	NIL			COMPASS	9687	A
COMPASS	*	DOES NOTHING. ALLOWS A MACRO OR PP INSTRUCTION TO BE			COMPASS	9688	A
COMPASS	*	DISABLED BY (OPSYN).			COMPASS	9689	A
COMPASS					COMPASS	9690	A
COMPASS					COMPASS	9691	A
COMPASS		QUAL	PASS1		COMPASS	9692	A
COMPASS	NIL	EQU	CTL300		COMPASS	9693	A
COMPASS	NIL	SPACE	4		COMPASS	9694	A
COMPASS	**	NIL	- DO NOTHING.		COMPASS	9695	A
COMPASS					COMPASS	9696	A
COMPASS					COMPASS	9697	A
COMPASS		QUAL	PASS2		COMPASS	9698	A
COMPASS	NIL	EQU	ZLIST		COMPASS	9699	A
COMPASS	NOLABEL	SPACE	4		COMPASS	9700	A
COMPASS	***	NOLABEL	- DELETE BINARY IDENT TABLE.		COMPASS	9701	A
COMPASS	*				COMPASS	9702	A
COMPASS	*				COMPASS	9703	A
COMPASS	*	NOLABEL	CHAR		COMPASS	9704	A
COMPASS	*	IF (CHAR) IS BLANK, DELETE THE 7700 IDENT TABLE AND THE 5000			COMPASS	9705	A
COMPASS	*	OVERLAY WORD OR THE PP HEADER WORD.			COMPASS	9706	A
COMPASS	*	IF (CHAR) IS (I), DELETE ONLY THE IDENT TABLE.			COMPASS	9707	A
COMPASS					COMPASS	9708	A
COMPASS					COMPASS	9709	A
COMPASS		QUAL	PASS1		COMPASS	9710	A
COMPASS	NOLABEL	SA1	ABSFG		COMPASS	9711	A
COMPASS		ZR	X1,CTL80	ERROR IF NOT ABSOLUTE CODE	COMPASS	9712	A
COMPASS		SA1	CHAR	CHECK TYPE	COMPASS	9713	A
COMPASS		SX6	B1	ALL LABELS	COMPASS	9714	A
COMPASS		SX7	B1+B1	IDENT LABEL ONLY	COMPASS	9715	A
COMPASS		SB7	X1-1R		COMPASS	9716	A
COMPASS		SB6	X1-1RI		COMPASS	9717	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA6	NOLFG		COMPASS	9718	A
COMPASS	ZR	B7,CTL300	IF ALL LABELS	COMPASS	9719	A
COMPASS	SA7	A6	IDENT LABEL ONLY	COMPASS	9720	A
COMPASS	ZR	B6,CTL300		COMPASS	9721	A
COMPASS	SA6	AERR	SET AERR = A	COMPASS	9722	A
COMPASS	SA6	EFLG		COMPASS	9723	A
COMPASS	EQ	CTL70		COMPASS	9724	A
COMPASS	NOLABEL	SPACE 4		COMPASS	9725	A
COMPASS	**	NOLABEL	- DELETE BINARY IDENT TABLE.	COMPASS	9726	A
COMPASS				COMPASS	9727	A
COMPASS				COMPASS	9728	A
COMPASS		QUAL	PASS2	COMPASS	9729	A
COMPASS	NOLABEL	EQU	ZLIST	COMPASS	9730	A
COMPASS	NOREF	SPACE 4		COMPASS	9731	A
COMPASS	***	NOREF	- NO REFERENCE.	COMPASS	9732	A
COMPASS	*			COMPASS	9733	A
COMPASS	*			COMPASS	9734	A
COMPASS	*	NOREF	SYM1,SYM2,,,SYMN	COMPASS	9735	I
COMPASS	-CMP19					
COMPASS	*		SUPPRESSES THE LISTING OF THE NAMED SYMBOLS IN THE CROSS	COMPASS	9736	I
COMPASS	-CMP19					
COMPASS	*		REFERENCE TABLE.	COMPASS	9737	I
COMPASS	-CMP19					
COMPASS	*	NOREF	P1,P2,...,PN	CMP19	193	A
COMPASS	*		SUPPRESSES THE LISTING OF NAMED SYMBOLS IN THE CROSS	CMP19	194	A
COMPASS	*		REFERENCE TABLE. THE PARAMETERS CAN BE OF THE FOLLOWING	CMP19	195	A
COMPASS	*		FORM -	CMP19	196	A
COMPASS	*	SYM	SUPPRESS LISTING OF SYMBOL (SYM).	CMP19	197	A
COMPASS	*	/QUAL/SYM	SUPPRESS LISTING OF SYMBOL (/QUAL/SYM).	CMP19	198	A
COMPASS	*	/QUAL/	SUPPRESS LISTING OF ALL SYMBOLS WITH	CMP19	199	A
COMPASS	*		QUALIFIER (QUAL).	CMP19	200	A
COMPASS	*		IF LOCATION FIELD IS PRESENT, IT IS USED AS QUALIFIER FOR	CP096A	412	A
COMPASS	*		ALL SYMBOLS IN VARIABLE FIELD THAT DO NOT HAVE EXPLICIT	CP096A	413	A
COMPASS	*		QUALIFIERS.	CP096A	414	A
COMPASS				COMPASS	9738	A
COMPASS				COMPASS	9739	A
COMPASS		QUAL	PASS1	COMPASS	9740	A
COMPASS	NOREF	EQU	CTL70	COMPASS	9741	I
COMPASS	-CMP19					
COMPASS	NOREF	SA1	QVAL SAVE CURRENT QUALIFIER	CMP19	201	A
COMPASS		SA2	CHAR	CMP19	202	A
COMPASS		BX6	X1	CMP19	203	A
COMPASS		SB7	X2-1R/ LOOK AT NEXT CHARACTER	CMP19	204	A
COMPASS		SA6	A1+B1	CMP19	205	A
COMPASS		NZ	B7,NOR3 IF NOT SLASH	CMP19	206	A
COMPASS		RJ	GETCH	CMP19	207	A
COMPASS		SA2	CHAR	CMP19	208	A
COMPASS		SX6	X2-1R/	CMP19	209	A
COMPASS		ZR	X6,NOR1 IF BLANK QUALIFIER	CMP19	210	A
COMPASS		RJ	SCITEM SCAN QUALIFIER NAME	CMP19	211	A
COMPASS		SB7	X1-1R/	CMP19	212	A
COMPASS		NZ	B7,ERA IF NO TRAILING SLASH	CMP19	213	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	NOR1	BX1	X6			CMP19	214	A
COMPASS		RJ	SQV	SET QUALIFIER VALUE		CMP19	215	A
COMPASS		RJ	GETCH	SKIP TRAILING SLASH		CMP19	216	A
COMPASS		RJ	SCITEM	SCAN SYMBOL		CMP19	217	A
COMPASS		NZ	X6,NOR4			CMP19	218	A
COMPASS						CMP19	219	A
COMPASS	*		PROCESS /QUALNAME/	WITH NO SYMBOL.		CMP19	220	A
COMPASS						CMP19	221	A
COMPASS		SA1	QVAL			CMP19	222	A
COMPASS		SA2	O.QVTAB			CMP19	223	A
COMPASS		SB2	B1+B1			CMP19	224	A
COMPASS		LX1	12			CMP19	225	A
COMPASS		SB7	X2-1			CMP19	226	A
COMPASS		ZR	X1,NOR7	IF BLANK QUALIFIER		CMP19	227	A
COMPASS		SA3	X1+B7	SET NOREF BIT		CMP19	228	A
COMPASS		MX6	1			CMP19	229	A
COMPASS		NG	X3,NOR7	IF ALREADY SET IN QVTAB ENTRY		CMP19	230	A
COMPASS		BX6	X6+X3			CMP19	231	A
COMPASS		SX4	B1			CMP19	232	A
COMPASS		LX1	-12			CMP19	233	A
COMPASS		SA6	A3			CMP19	234	A
COMPASS		SA2	O.SYMTAB	SET NOREF IN SYMBOL TABLE		CMP19	235	A
COMPASS		SA3	L.SYMTAB			CMP19	236	A
COMPASS		MX0	12			CMP19	237	A
COMPASS		SA2	X2			CMP19	238	I
-CP096A								
COMPASS		RX5	X2			CP096A	415	A
COMPASS		SB7	X3			CMP19	239	A
COMPASS		LX4	35			CMP19	240	A
COMPASS	NOR2	BX5	X0*X2			CMP19	241	I
-CP096A								
COMPASS	NOR2	SX2	X2+B2			CP096A	416	A
COMPASS		BX6	X0*X5			CP096A	417	A
COMPASS		SB7	B7-B2			CMP19	242	A
COMPASS		SA2	A2+B2			CMP19	243	I
-CP096A								
COMPASS		BX5	X5-X1			CMP19	244	I
-CP096A								
COMPASS		RX5	X2			CP096A	418	A
COMPASS		BX6	X6-X1			CP096A	419	A
COMPASS		NG	B7,NOR7	IF END OF TABLE		CMP19	245	A
COMPASS		NZ	X5,NOR2	IF NOT SAME QUALIFIER		CMP19	246	I
-CP096A								
COMPASS		SA3	A2-B1			CMP19	247	I
-CP096A								
COMPASS		NZ	X6,NOR2	IF NOT SAME QUALIFIER		CP096A	420	A
COMPASS		SX7	X2-1			CP096A	421	A
COMPASS		RX3	X7			CP096A	422	A
COMPASS		BX6	X3+X4			CMP19	248	A
COMPASS		SA6	A3			CMP19	249	I
-CP096A								
COMPASS		WX6	X7			CP096A	423	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	EQ	NOR2			CMP19	250	A
COMPASS					CMP19	251	A
COMPASS	*		PROCESS SYMBOL WITHOUT QUALIFIER.		CMP19	252	A
COMPASS					CMP19	253	A
COMPASS	NOR3	RJ	SCITEM		CMP19	254	I
	-CP096A						
COMPASS	NOR3	SA1	LOCSYM		CP096A	424	A
COMPASS		NZ	X1,NOR3A	IF QUALIFIER IN LOCATION FIELD	CP096A	425	A
COMPASS		RJ	SCITEM		CP096A	426	A
COMPASS		ZR	X6,NOR7	IF NO SYMBOL	CMP19	255	A
COMPASS		BX1	X6		CMP19	256	A
COMPASS		RJ	TLUSYMT	LOOK UP SYMBOL	CMP19	257	A
COMPASS		NZ	X3,NOR5	IF FOUND	CMP19	258	A
COMPASS		EQ	NOR6		CMP19	259	A
COMPASS					CP096A	427	A
COMPASS	NOR3A	RJ	SQV	SET QUALIFIER VALUE	CP096A	428	A
COMPASS		RJ	SCITEM		CP096A	429	A
COMPASS					CMP19	260	A
COMPASS	*		PROCESS /QUALNAME/SYMBOL.		CMP19	261	A
COMPASS					CMP19	262	A
COMPASS	NOR4	SA1	QVAL		CMP19	263	I
	-CP096A						
COMPASS		BX1	X1+X6		CMP19	264	I
	-CP096A						
COMPASS	NOR4	BX1	X6		CP096A	430	A
COMPASS		RJ	TLUSYMT		CMP19	265	A
COMPASS		MX0	-48		CMP19	266	I
	-CP096A						
COMPASS		BX1	-X0*X1		CMP19	267	I
	-CP096A						
COMPASS		ZR	X3,NOR6	IF NOT IN SYMBOL TABLE	CMP19	268	A
COMPASS		SA4	X3-1		CMP19	269	I
	-CP096A						
COMPASS		SX0	X3-1		CP096A	431	A
COMPASS		RX4	X0		CP096A	432	A
COMPASS		BX5	X4-X5		CMP19	270	A
COMPASS		NZ	X5,NOR6	IF NOT SAME QUALIFIER	CMP19	271	A
COMPASS					CMP19	272	A
COMPASS	*		SET NOREF BIT FOR SYMBOL.		CMP19	273	A
COMPASS					CMP19	274	A
COMPASS	NOR5	SX4	B1		CMP19	275	A
COMPASS		LX4	35		CMP19	276	A
COMPASS		BX6	X2+X4	SET NOREF BIT	CMP19	277	A
COMPASS		SA6	X3		CMP19	278	I
	-CP096A						
COMPASS		WX6	X3		CP096A	433	A
COMPASS		EQ	NOR7		CMP19	279	A
COMPASS	NOR6	SX2	B1	MAKE SYMBOL TABLE ENTRY	CMP19	280	A
COMPASS		LX2	35	WITH NOREF BIT SET	CMP19	281	A
COMPASS		RJ	ENTSYMT		CMP19	282	A
COMPASS	NOR7	SA1	QVAL+1	RESTORE CURRENT QUALIFIER	CMP19	283	A
COMPASS		BX6	X1		CMP19	284	A

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[illegible]

\* SYNONYMOUS WITH THE PP INSTRUCTION, PSEUDO OPERATION,  
\* OR MACRO NAME IN THE ADDRESS FIELD.

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	*					COMPASS	9857	A	
COMPASS	*	ORG	REXP			COMPASS	9858	A	
COMPASS	*		RESET ORIGIN AND LOCATION COUNTERS.	SYMBOLS IN (REXP)		COMPASS	9859	A	
COMPASS	*		MUST BE DEFINED PREVIOUSLY.	(ORG) MAY CAUSE A CHANGE IN		COMPASS	9860	A	
COMPASS	*		THE USE BLOCK.			COMPASS	9861	A	
COMPASS						COMPASS	9862	A	
COMPASS						COMPASS	9863	A	
COMPASS		ORG	QUAL	PASS1		COMPASS	9864	A	
COMPASS			SX6	B1+B1		COMPASS	9865	A	
COMPASS			SX1	21		COMPASS	9866	A	
COMPASS			RJ	SCADCON	EVALUATE ADDRESS FIELD	COMPASS	9867	A	
COMPASS			SA2	EXREL		COMPASS	9868		I
	-CMP30								
COMPASS	ORG1	SA2	EXREL			CMP30	3159	A	
COMPASS		SA3	UI+1			COMPASS	9869	A	
COMPASS		IX6	X2-X3			COMPASS	9870		I
	-RSM4159								
COMPASS		SB7	X6-2	FORBID ORG INTO LITERALS		COMPASS	9871		I
	-RSM4159								
COMPASS		SB7	X2-3	FORBID ORG INTO LITERALS		RSM4159	11	A	
COMPASS		AX2	8	COMPLAIN IF NEGATIVE RELOCATION		COMPASS	9872	A	
COMPASS		IX1	X2+X1			COMPASS	9873	A	
COMPASS	+	ZR	B7,*+1			COMPASS	9874		I
	-CMP30								
COMPASS		ZR	X1,ORG1	IF NO ERRORS		COMPASS	9875		I
	-CMP30								
COMPASS		SX6	B1			COMPASS	9876		I
	-CMP30								
COMPASS		SA6	AERR	NOTE ERROR		COMPASS	9877		I
	-CMP30								
COMPASS		SA6	EFLG			COMPASS	9878		I
	-CMP30								
COMPASS		EQ	CTL70			COMPASS	9879		I
	-CMP30								
COMPASS		SX7	B0	CLEAR CONDITIONAL LOAD FLAG		CMP30	3160	A	
COMPASS		ZR	B7,ERA			CMP30	3161	A	
COMPASS		NZ	X1,ERA	IF ERRORS		CMP30	3162	A	
COMPASS		SA1	EXVAL	EXPRESSION VALUE		CPS186	4	A	
COMPASS		MI	X1,ERA	IF NOT POSITIVE ADDRESS		CPS186	5	A	
COMPASS						COMPASS	9880	A	
COMPASS	ORG1	SA2	A2			COMPASS	9881		I
	-CMP30								
COMPASS	ORG2	SA2	A2			CMP30	3163	A	
COMPASS		NZ	X2,*+1			COMPASS	9882	A	
COMPASS		SX2	X3			COMPASS	9883	A	
COMPASS		SA7	P1TEMPC			CMP30	3164	A	
COMPASS		BX6	X2			COMPASS	9884	A	
COMPASS		LX3	X2,B1			COMPASS	9885		I
	-CMP30								
COMPASS		IX4	X6+X3			COMPASS	9886		I
	-CMP30								
COMPASS		SA2	0.USETAB			COMPASS	9887		I
	0	1	2	3	4	5	6	7	8
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP30

COMPASS	IX1	X4+X4	COMPASS	9888	I
COMPASS	-CMP30				
COMPASS	LX2	2	CMP30	3165	A
COMPASS	SA1	0.USETAB	CMP30	3166	A
COMPASS	SA3	UI	RSM4159	12	A
COMPASS	IX1	X1+X3	RSM4159	13	A
COMPASS	SB7	X2-4	COMPASS	9889	A
COMPASS	SA2	B7+X1	COMPASS	9890	A
COMPASS	BX7	X2	COMPASS	9891	A
COMPASS	SA6	P1TEMPB	COMPASS	9892	I
COMPASS	-CMP30				
COMPASS	SA6	A7-B1	CMP30	3167	A
COMPASS	SA7	A6-B1	COMPASS	9893	A
COMPASS	RJ	USES	COMPASS	9894	A
COMPASS	RJ	USER	COMPASS	9895	A
COMPASS	RJ	YFOUP	COMPASS	9896	A
COMPASS	SA1	EXVAL	COMPASS	9897	A
COMPASS	BX6	X1	COMPASS	9898	A
COMPASS	SA6	ORGCTR	COMPASS	9899	A
COMPASS	SA1	A6+B1	COMPASS	9900	I
COMPASS	-CMP30				
COMPASS	BX7	X1	COMPASS	9901	I
COMPASS	-CMP30				
COMPASS	SA6	LOCCTR	COMPASS	9902	A
COMPASS	SA7	A6+B1	COMPASS	9903	I
COMPASS	-CMP30				
COMPASS	SA1	FLAG	CMP30	3168	A
COMPASS	SA2	0.USETAB	CMP30	3169	A
COMPASS	SA3	P1TEMPC	CMP30	3170	A
COMPASS	SA4	UI	RSM4159	14	A
COMPASS	IX2	X2+X4	RSM4159	15	A
COMPASS	SX5	X1	CMP30	3171	A
COMPASS	LX5	2	CMP30	3172	A
COMPASS	SB7	X2-3	CMP30	3173	A
COMPASS	SA4	X5+B7	CMP30	3174	A
COMPASS	MX0	1	CMP30	3175	A
COMPASS	BX6	-X0*X1	CMP30	3176	A
COMPASS	BX7	-X0*X4	CMP30	3177	A
COMPASS	BX6	X3+X6	CMP30	3178	A
COMPASS	BX7	X3+X7	CMP30	3179	A
COMPASS	SA6	A1	CMP30	3180	A
COMPASS	SA7	A4	CMP30	3181	A
COMPASS	BX6	X3	CMP30	3182	A
COMPASS	SA6	CLF	CMP30	3183	A
COMPASS	EQ	CTL70	COMPASS	9904	A
COMPASS	ORG	SPACE 4	COMPASS	9905	A
COMPASS	**	ORG - ORIGIN.	COMPASS	9906	A
COMPASS			COMPASS	9907	A
COMPASS			COMPASS	9908	A
COMPASS	QUAL	PASS2	COMPASS	9909	A
COMPASS	ORG	SX6	COMPASS	9910	A
COMPASS		B1+B1			

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	SX1	21		COMPASS	9911	A		
1	COMPASS	RJ	SCADCON		COMPASS	9912	A	1	
2	COMPASS	SA2	EFLG		COMPASS	9913	A	2	
3	COMPASS	BX1	X1+X2		COMPASS	9914	A	3	
4	COMPASS	NZ	X1,ZLIST	QUIT IF ANY ERRORS	COMPASS	9915	A	5	
5	COMPASS	RJ	USER	RESET TO NEW BLOCK	COMPASS	9916	A	6	
6	COMPASS	RJ	ZFOUP	FORCE UPPER	COMPASS	9917	A	7	
7	COMPASS	SA1	EXVAL		COMPASS	9918	A	9	
8	COMPASS	SA2	ORGCTR		S028 457 CPS028	346	A	10	
9	COMPASS	BX6	X1		COMPASS	9919	A	12	
10	COMPASS	IX7	X1-X2		S028 459 CPS028	347	A	13	
11	COMPASS	SA6	ORGCTR	RESET COUNTERS	COMPASS	9920	A	14	
12	COMPASS	SA7	P2TEMP		S028 461 CPS028	348	A	15	
13	COMPASS	SA6	LOCCTR		COMPASS	9921	A	17	
14	COMPASS	RJ	RESORG	RESET ORIGIN ON NEW ORIGIN	COMPASS	9922	A	18	
15	COMPASS	SA1	P2TEMP		S028 463 CPS028	349	A	19	
16	COMPASS	PL	X1,ZLLA	IF NOT ORG BACKWARD	S028 464 CPS028	350	A	21	
17	COMPASS	RJ	DBSSZ	DUMP BSSZ CODE	S028 465 CPS028	351	A	22	
18	COMPASS	RJ	DLAST	DUMP LINK AND FILL TABLES	S028 466 CPS028	352	A	23	
19	COMPASS	ORG1	EQ	ZLLA	COMPASS	9923	I	25	
20	-CMP30							26	
21	COMPASS	EQ	ZLLA		CMP30	3184	A	28	
22	COMPASS	ORGC	SPACE 4		CMP30	3185	A	29	
23	COMPASS	***	ORGC -	CONDITIONAL ORIGIN.	CMP30	3186	A	30	
24	COMPASS	*			CMP30	3187	A	31	
25	COMPASS	*			CMP30	3188	A	33	
26	COMPASS	*	ORGC	REXP	CMP30	3189	A	34	
27	COMPASS	*	RESET ORIGIN AND LOCATION COUNTERS. SYMBOLS IN (REXP)			CMP30	3190	A	35
28	COMPASS	*	MUST BE DEFINED PREVIOUSLY. IN AN ABSOLUTE ASSEMBLY, OR			CMP30	3191	A	37
29	COMPASS	*	IF (REXP) IS NOT RELATIVE TO A COMMON BLOCK, (ORGC) IS			CMP30	3192	A	38
30	COMPASS	*	TREATED AS (ORG). OTHERWISE, SUBSEQUENT INSTRUCTION/DATA			CMP30	3193	A	39
31	COMPASS	*	WORDS WILL BE SKIPPED BY THE LOADER IF THE COMMON BLOCK			CMP30	3194	A	41
32	COMPASS	*	WAS FIRST DECLARED BY AN EARLIER SUBPROGRAM.			CMP30	3195	A	42
33	COMPASS				CMP30	3196	A	43	
34	COMPASS				CMP30	3197	A	45	
35	COMPASS		QUAL	PASS1	CMP30	3198	A	46	
36	COMPASS	ORGC	SA1	ABSFG	CMP30	3199	A	47	
37	COMPASS	SX6	2		CMP30	3200	A	49	
38	COMPASS	NZ	X1,ORG	IF ABSOLUTE ASSEMBLY	CMP30	3201	A	50	
39	COMPASS	SX1	21		CMP30	3202	A	51	
40	COMPASS	RJ	SCADCON	EVALUATE ADDRESS FIELD	CMP30	3203	A	53	
41	COMPASS	SA2	EXREL		CMP30	3204	A	54	
42	COMPASS	SA3	UI+1		CMP30	3205	A	55	
43	COMPASS	MX7	0		CMP30	3206	A	57	
44	COMPASS	ZR	X2,ORG2	IF ABSOLUTE	CMP30	3207	A	58	
45	COMPASS	SB7	B1+B1		CMP30	3208	A	59	
46	COMPASS	LX5	X2,B7		CMP30	3209	I	61	
47	-RSM4159							62	
48	COMPASS	SA4	0.USETAB		CMP30	3210	A	64	
49	COMPASS	SA5	UI		RSM4159	16	A	65	
50	COMPASS	IX4	X4+X5	BASE ADDRESS OF BLOCK GROUP	RSM4159	17	A	66	
51	COMPASS	LX5	X2,B7		RSM4159	18	A	67	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	AX2	8	CHECK FOR NEGATIVE RELOCATION	CMP30	3211	A
COMPASS	BX1	X1+X2		CMP30	3212	A
COMPASS	NZ	X1,ERA		CMP30	3213	A
COMPASS	IX5	X4+X5		CMP30	3214	A
COMPASS	SA4	X5-2		CMP30	3215	A
COMPASS	ZR	X4,ORG1	IF NOT A COMMON BLOCK	CMP30	3216	A
COMPASS	MX7	1	SET CONDITIONAL LOAD FLAG	CMP30	3217	A
COMPASS	EQ	ORG2		CMP30	3218	A
COMPASS	ORGC	SPACE	4	CMP30	3219	A
COMPASS	**	ORGC -	CONDITIONAL ORIGIN.	CMP30	3220	A
COMPASS				CMP30	3221	A
COMPASS				CMP30	3222	A
COMPASS	QUAL	PASS2		CMP30	3223	A
COMPASS	ORGC	EQU	ORG	CMP30	3224	A
COMPASS	PERIPH	SPACE	4	COMPASS	9924	A
COMPASS	***	PERIPH -	PP ASSEMBLY.	COMPASS	9925	A
COMPASS	*			COMPASS	9926	A
COMPASS	*			COMPASS	9927	A
COMPASS	*	PERIPH CHAR		COMPASS	9928	A
COMPASS	*	PERIPH DECLARES THE PROGRAM TO BE A PP PROGRAM AND ABSOLUTE.		COMPASS	9929	A
COMPASS	*	THE RULES STATED UNDER ABS APPLY.		COMPASS	9930	A
COMPASS	*	IF (CHAR) IS (J), ASSEMBLE LOW CORE PP JUMPS AS (TAG - *).		COMPASS	9931	A
COMPASS	*	IF (CHAR) IS BLANK, ASSEMBLE LOW CORE PP JUMPS AS JUMP		COMPASS	9932	A
COMPASS	*	TO TAG.		COMPASS	9933	A
COMPASS				COMPASS	9934	A
COMPASS				COMPASS	9935	A
COMPASS	QUAL	PASS1		COMPASS	9936	A
COMPASS	PERIPH	SA1	CHAR	COMPASS	9937	A
COMPASS	SX1	X1-1RJ		COMPASS	9938	A
COMPASS	SX6	B0		COMPASS	9939	A
COMPASS	NZ	X1,PER1	IF NOT J	COMPASS	9940	A
COMPASS	SX6	B1		COMPASS	9941	A
COMPASS	PER1	SA6	PPJUMP	COMPASS	9942	A
COMPASS	SX6	B1	SET FLAGS FOR PP ASSEMBLY	COMPASS	9943	A
COMPASS	SX7	12		COMPASS	9944	A
COMPASS	SA6	MACHINE	SET FLAG FOR MACHINE TYPE	COMPASS	9945	A
COMPASS	SA7	LWORD	SET WORD LENGTH TO 12	COMPASS	9946	A
COMPASS	SA7	POSCTR	REVISE POSITION COUNTER TO 12	COMPASS	9947	A
COMPASS	SX6	4		CPSA281	298	A
COMPASS	SA6	PPBYT		CPSA281	299	A
COMPASS	SX6	B1+B1		COMPASS	9948	A
COMPASS	SA6	NCHARS	SET NUMBER OF CHARACTERS TO 2	COMPASS	9949	A
COMPASS	LX7	24	RESET BLOCK COUNTERS	COMPASS	9950	A
COMPASS	SA1	O.USETAB		COMPASS	9951	A
COMPASS	SA2	L.USETAB		COMPASS	9952	A
COMPASS	PERIPH1	SA7	X1+B1	COMPASS	9953	A
COMPASS	SX2	X2-6		COMPASS	9954	I
COMPASS	-CMP30					
COMPASS	SX1	X1+6		COMPASS	9955	I
COMPASS	-CMP30					
COMPASS	SX2	X2-4		CMP30	3225	A
COMPASS	SX1	X1+4		CMP30	3226	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	NZ	X2,PERIPH1	COMPASS	9956	A
COMPASS	SA1	MTYPE	CMP30	3227	A
COMPASS	SA2	PPTYPE	CMP30	3228	A
COMPASS	NZ	X1,ABS	CMP30	3229	A
COMPASS	SX6	X2+B1	CMP30	3230	A
COMPASS	SX7	X2+1R6	CMP30	3231	A
COMPASS	SA6	A1	CMP30	3232	A
COMPASS	LX7	6	CMP30	3233	A
COMPASS	SA7	VALID	CMP30	3234	A
COMPASS	EQ	ABS	COMPASS	9957	I
-CPS026					
COMPASS	SA1	PSIM	CPS026	44	A
COMPASS	SX3	6000B	CPS026	45	A
COMPASS	ZR	X2,PER2	CPS026	46	A
COMPASS	BX6	-X3*X1	CPS026	47	I
-CPSA297					
COMPASS	BX6	-X3*X1	CPSA297	57	A
COMPASS	SA6	A1	CPS026	48	A
COMPASS	EQ	ABS	CPS026	49	A
COMPASS	PER2	BX6	CPS026	50	A
COMPASS	SA6	A1	CPS026	51	A
COMPASS	EQ	ABS	CPS026	52	A
COMPASS	PERIPH	SPACE 4	COMPASS	9958	A
COMPASS	**	PERIPH - PP ASSEMBLY.	COMPASS	9959	A
COMPASS			COMPASS	9960	A
COMPASS			COMPASS	9961	A
COMPASS			COMPASS	9962	A
COMPASS	PERIPH	QUAL PASS2	COMPASS	9963	A
COMPASS	PPU	EQU ZLIST	COMPASS	9964	A
COMPASS	***	SPACE 4	COMPASS	9965	A
COMPASS		PPU - 7600 PP ASSEMBLY.	COMPASS	9966	A
COMPASS			COMPASS	9967	A
COMPASS			COMPASS	9968	A
COMPASS	PPU	QUAL PASS1	COMPASS	9969	A
COMPASS		SX6 B1	COMPASS	9970	A
COMPASS		SA6 PPTYPE	COMPASS	9971	A
COMPASS	PPU	EQ PERIPH	COMPASS	9972	A
COMPASS	**	SPACE 4	COMPASS	9973	A
COMPASS		PPU - 7600 PP ASSEMBLY.	COMPASS	9974	A
COMPASS			COMPASS	9975	A
COMPASS			COMPASS	9976	A
COMPASS	PPU	QUAL PASS2	COMPASS	9977	A
COMPASS	POS	EQU ZLIST	COMPASS	9978	A
COMPASS	***	SPACE 4	COMPASS	9979	A
COMPASS	*	POS - POSITION COUNTER.	COMPASS	9980	A
COMPASS	*		COMPASS	9981	A
COMPASS	*	POS AEXP	COMPASS	9982	A
COMPASS	*	SET POSITION COUNTER OF (AEXP). (AEXP) MUST BE BETWEEN 0	COMPASS	9983	A
COMPASS	*	AND 60 IN VALUE AND PREVIOUSLY DEFINED.	COMPASS	9984	A
COMPASS			COMPASS	9985	A
COMPASS			COMPASS	9986	A
COMPASS		QUAL PASS1	COMPASS	9987	A
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	POS	SX6	3		COMPASS	9988	A
COMPASS		SX1	6		COMPASS	9989	A
COMPASS		RJ	SMC		COMPASS	9990	A
COMPASS		SA4	EXVAL		COMPASS	9991	A
COMPASS		NZ	X1,CTL70	IF ERROR IN EXPRESSION	COMPASS	9992	A
COMPASS		SA1	LWORD		COMPASS	9993	A
COMPASS		IX6	X1-X4		COMPASS	9994	A
COMPASS		BX6	X4+X6		COMPASS	9995	A
COMPASS		PL	X6,POS1	IF 0 @ POSITION @ LWORD	COMPASS	9996	A
COMPASS		SX6	B1	SET ERROR FLAG	COMPASS	9997	A
COMPASS		SA6	EFLG		COMPASS	9998	A
COMPASS		SA6	AERR		COMPASS	9999	A
COMPASS		EQ	CTL70		COMPASS	10000	A
COMPASS	POS1	BX6	X4		COMPASS	10001	A
COMPASS		SA6	POSCTR		COMPASS	10002	A
COMPASS		EQ	CTL70		COMPASS	10003	A
COMPASS	POS	SPACE	4		COMPASS	10004	A
COMPASS	**	POS	POSITION COUNTER.		COMPASS	10005	A
COMPASS					COMPASS	10006	A
COMPASS					COMPASS	10007	A
COMPASS		QUAL	PASS2		COMPASS	10008	A
COMPASS	POS	SX6	3		COMPASS	10009	A
COMPASS		SX1	6		COMPASS	10010	A
COMPASS		RJ	SMC		COMPASS	10011	A
COMPASS		SA1	EXVAL		COMPASS	10012	A
COMPASS		SA4	EFLG		COMPASS	10013	A
COMPASS		NZ	X4,ZLIST	IF ERRORS	COMPASS	10014	A
COMPASS		BX6	X1		COMPASS	10015	A
COMPASS		SA6	POSCTR		COMPASS	10016	A
COMPASS		SX2	36	OUTPUT OCTAL POSITION	COMPASS	10017	A
COMPASS		SX3	2		COMPASS	10018	A
COMPASS		RJ	PACK0		COMPASS	10019	A
COMPASS		EQ	ZLIST		COMPASS	10020	A
COMPASS	PPOP	SPACE	4		COMPASS	10021	A
COMPASS	***	PPOP	DEFINE PP OPERATION CODE.		COMPASS	10022	A
COMPASS	*				COMPASS	10023	A
COMPASS	*				COMPASS	10024	A
COMPASS	*NAME	PPOP	CTL,VAL		COMPASS	10025	I
COMPASS	-CMP30						
COMPASS	*NAME	PPOP	CTL,VAL,TYP		CMP30	3235	A
COMPASS	*	(NAME) = MNEMONIC NAME.			COMPASS	10026	A
COMPASS	*	(CTL) = 1 - 24-BIT WITH 12-BIT ADDRESS AND NO INDEXING.			COMPASS	10027	A
COMPASS	*	2 - 12-BIT WITH SIGNED RELATIVE ADDRESS			COMPASS	10028	A
COMPASS	*	OR ABSOLUTE ADDRESS (UJN).			COMPASS	10029	A
COMPASS	*	3 - 24-BIT WITH 18-BIT ADDRESS (LDC).			COMPASS	10030	A
COMPASS	*	4 - 12-BIT WITH 6-BIT ADDRESS (LDN).			COMPASS	10031	A
COMPASS	*	5 - 24-BIT WITH 12-BIT ADDRESS AND OPTIONAL			COMPASS	10032	A
COMPASS	*	INDEXING (LDM).			COMPASS	10033	A
COMPASS	*	6 - 12-BIT WITH SIGNED RELATIVE ADDRESS (SHN).			COMPASS	10034	A
COMPASS	*	7 - 24-BIT WITH 12-BIT ADDRESS AND REQUIRED			COMPASS	10035	A
COMPASS	*	SECOND FIELD (FNC).			COMPASS	10036	A
COMPASS	*	(VAL) = 12-BIT OPERATION CODE VALUE.			COMPASS	10037	A

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\* (TYP) = 6 OR 7 TO RESTRICT INSTRUCTION TO 6000 OR 7000.

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	MI	B7, PPOP2	IF NOT 6 OR 7, ASSUME 0	CMP30	3246	A	
COMPASS	GT	B7, B1, PPOP2		CMP30	3247	A	
COMPASS	SX4	B7+B1		CMP30	3248	A	
COMPASS	LX4	3		CMP30	3249	A	
COMPASS	PPOP2	SA1	BADLOC	CMP30	3250	A	
COMPASS	SX6	B1		COMPASS	10051	A	
COMPASS	ZR	X1, PPOP1	IF NO LOCATION ERROR	COMPASS	10052		I
-F4820							
COMPASS	ZR	X1, PPOP3	IF NO LOCATION ERROR	F4820	686	A	
COMPASS	SA6	LERR		COMPASS	10053	A	
COMPASS	SA6	EFLG		COMPASS	10054	A	
COMPASS	PPOP1	SA1	P1TEMPA	COMPASS	10055		I
-F4820							
COMPASS	PPOP3	SA1	P1TEMPA	F4820	687	A	
COMPASS	SA2	EXVAL		COMPASS	10056		I
-CMP30							
COMPASS	SA2	A1+B1		CMP30	3251	A	
COMPASS	SA3	EFLG		COMPASS	10057	A	
COMPASS	SX6	100040B	SET PP AND OPSYN	COMPASS	10058		I
-F4820							
COMPASS	MX0	-3		COMPASS	10059	A	
COMPASS	BX1	-X0*X1		COMPASS	10060	A	
COMPASS	SA5	P1TEMP		F4820	688	A	
COMPASS	LX5	3		F4820	689	A	
COMPASS	+	NG	X5, *+1 IF BCOP	F4820	690	A	
COMPASS	ZR	X1, ERA	IF CTL = 0	CMP27	17	A	
COMPASS	BX1	X4+X1		CMP30	3252	A	
COMPASS	SA4	A1-B1		F4820	691	A	
COMPASS	LX1	27		COMPASS	10061	A	
COMPASS	MX0	-12		COMPASS	10062		I
-F4820							
COMPASS	BX2	-X0*X2		COMPASS	10063		I
-F4820							
COMPASS	BX1	X1+X2		COMPASS	10064		I
-F4820							
COMPASS	LX6	42		COMPASS	10065		I
-F4820							
COMPASS	IX2	X1+X6		COMPASS	10066		I
-F4820							
COMPASS	IX6	X1+X4		F4820	692	A	
COMPASS	LX4	3		F4820	693	A	
COMPASS	+	MX0	-12	F4820	694	A	
COMPASS	PL	X4, *+1	IF PPOP	F4820	695	A	
COMPASS	MX0	-16		F4820	696	A	
COMPASS	BX2	-X0*X2		F4820	697	A	
COMPASS	IX2	X6+X2		F4820	698	A	
COMPASS	SA1	LOCSYM		COMPASS	10067	A	
COMPASS	NZ	X3, CTL70	IF ERROR	COMPASS	10068	A	
COMPASS	RJ	ENTOP		COMPASS	10069	A	
COMPASS	EQ	CTL300	RETURN	COMPASS	10070	A	
COMPASS	PPOP	SPACE	4	COMPASS	10071	A	
COMPASS	**	PPOP -	DEFINE PP OPERATION CODE.	COMPASS	10072	A	

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## 1412THE

7

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

[illegible]

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA2	A1+B1	COMPASS	10121	I			
COMPASS -CMP6	MX6	0	COMPASS	10122	I			
COMPASS -CMP6	SA6	A1	COMPASS	10123	I			
COMPASS -CMP6	SA6	A2	COMPASS	10124	I			
COMPASS -CMP6	BX6	X1	COMPASS	10125	I			
COMPASS -CMP6	LX7	X2	COMPASS	10126	I			
COMPASS -CMP6	SA6	X5-2	COMPASS	10127	I			
COMPASS -CMP6	SA7	A6+B1	COMPASS	10128	I			
COMPASS PUR2	SA1	CHAR	COMPASS	10129	I			
COMPASS -CMP6	SB7	X1-1R,	COMPASS	10130	I			
COMPASS -CMP6	ZR	B7,PURGMAC	COMPASS	10131	I			
COMPASS -CMP6	MX7	0	COMPASS	10132	I			
COMPASS -CMP6	SA7	OERR	COMPASS	10133	I			
COMPASS -CMP6	EQ	CTL400	COMPASS	10134	I			
COMPASS	BX1	X6	CMP6	25	A			
COMPASS	RJ	PG0	CMP6	26	A			
COMPASS	SA1	CHAR	CMP6	27	A			
COMPASS	SB7	X1-1R,	CMP6	28	I			
COMPASS -CPS202	NZ	B7,CTL400	CMP6	29	I			
COMPASS -CPS202	SA1	COLUMN	CMP6	30	I			
COMPASS -CPS202	SX6	X1+B1	CMP6	31	I			
COMPASS -CPS202	SA6	A1	CMP6	32	I			
COMPASS -CPS202	SB7	X1-1R	CPS202	6	A			
COMPASS	ZR	B7,CTL400	CPS202	7	A			
COMPASS	EQ	PURGMAC	CMP6	33	A			
COMPASS PURGMAC	SPACE	4	COMPASS	10135	A			
COMPASS **	PURGMAC	- PURGE MACRO.	COMPASS	10136	A			
COMPASS			COMPASS	10137	A			
COMPASS			COMPASS	10138	A			
COMPASS	QUAL	PASS2	COMPASS	10139	A			
COMPASS PURGMAC	EQU	ZLIST	COMPASS	10140	A			
COMPASS QUAL	SPACE	4	COMPASS	10141	A			
COMPASS ***	QUAL	- SET SYMBOL QUALIFIER.	COMPASS	10142	A			
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	*				COMPASS	10143	A	
1	COMPASS	*				COMPASS	10144	A	
2	COMPASS	*	QUAL	NAME		COMPASS	10145	I	
3		-CMP30							
4	COMPASS	*MNAME	QUAL	NAME		CMP30	3253	A	
5	COMPASS	*MNAME	QUAL	*		CMP30	3254	A	
6	COMPASS	*	(NAME) IS THE SYMBOL QUALIFIER NAME. ALL SYMBOLS DEFINED			COMPASS	10146	A	
7	COMPASS	*	AFTER THE OCCURRENCE OF A (QUAL) MUST BE REFERENCED FROM			COMPASS	10147	A	
8	COMPASS	*	OUTSIDE THE QUAL BLOCK AS (/NAME/SYMBOL). IF (NAME) IS			COMPASS	10148	A	
9	COMPASS	*	BLANK, THE FOLLOWING SYMBOLS ARE GLOBAL. QUALIFIED SYMBOL			COMPASS	10149	A	
10	COMPASS	*	NAMES MAY BE THE SAME AS OTHER QUALIFIED OR GLOBAL SYMBOLS.			COMPASS	10150	A	
11	COMPASS	*	WHEN A SYMBOL IS REFERENCED, A CHECK IS MADE FIRST FOR THE			COMPASS	10151	A	
12	COMPASS	*	QUALIFIED SYMBOL, THEN THE GLOBAL SYMBOL.			COMPASS	10152	A	
13	COMPASS	*	AN ASTERISK CAUSES RETURN TO THE PREVIOUS QUALIFIER.			CMP30	3255	A	
14	COMPASS	*	IF (MNAME) IS PRESENT, SAVE THE CURRENT QUALIFIER NAME IN			CMP30	3256	A	
15	COMPASS	*	THE MICRO MNAME.			CMP30	3257	A	
16	COMPASS					COMPASS	10153	A	
17	COMPASS					COMPASS	10154	A	
18	COMPASS		QUAL	PASS1		COMPASS	10155	A	
19	COMPASS	QUAL	RJ	SCITEM		COMPASS	10156	I	
20		-CMP30							
21	COMPASS		SX7	X6-1R*		COMPASS	10157	I	
22		-CMP30							
23	COMPASS		SA2	QVAL		COMPASS	10158	I	
24		-CMP30							
25	COMPASS		ZR	X7,QAL1	IF QUAL *	COMPASS	10159	I	
26		-CMP30							
27	COMPASS		BX7	X2		COMPASS	10160	I	
28		-CMP30							
29	COMPASS		LX1	X6		COMPASS	10161	I	
30		-CMP30							
31	COMPASS		SA7	SQUAL		COMPASS	10162	I	
32		-CMP30							
33	COMPASS	QUAL	SA2	LOCSYM		CMP30	3258	A	
34	COMPASS		ZR	X2,QAL1	IF NO MICRO NAME	CMP30	3259	A	
35	COMPASS		SA1	QUALMIC		CMP30	3260	A	
36	COMPASS		SX6	B1		CMP30	3261	A	
37	COMPASS		BX7	X1		CMP30	3262	A	
38	COMPASS	+	ZR	X1,*+1	IF CURRENT QUALIFIER IS BLANK	CMP30	3263	A	
39	COMPASS		SX6	B1+B1		CMP30	3264	A	
40	COMPASS	+	SA7	RELVEC		CMP30	3265	A	
41	COMPASS		RJ	EMT	ENTER MICRO TABLE	CMP30	3266	A	
42	COMPASS	QUAL1	RJ	SCITEM		CMP30	3267	A	
43	COMPASS		SB7	X6-1R*		CMP30	3268	A	
44	COMPASS		BX1	X6		CMP30	3269	A	
45	COMPASS		ZR	B7,QUAL4	IF QUAL *	CMP30	3270	A	
46	COMPASS		RJ	SQV		COMPASS	10163	A	
47	COMPASS		SA2	QVAL+1	GET OLD QUALIFIER AND	CMP30	3271	A	
48	COMPASS		SA1	QUALSTK	PUSH DOWN QUAL STACK	CMP30	3272	A	
49	COMPASS		LX2	12		CMP30	3273	A	
50	COMPASS		BX6	X2		CMP30	3274	A	
51	COMPASS		RJ	PUSH		CMP30	3275	A	

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1

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	LX2	12				CMP30	3299	A
COMPASS	BX6	X2				CMP30	3300	A
COMPASS	RJ	PUSH				CMP30	3301	A
COMPASS	EQ	QAL2				COMPASS	10185	A
COMPASS						COMPASS	10186	A
COMPASS *	PROCESS	QUAL *				COMPASS	10187	A
COMPASS						COMPASS	10188	A
COMPASS	QAL1	SA1	SQUAL			COMPASS	10189	I
-CMP30								
COMPASS	BX6	X1				COMPASS	10190	I
-CMP30								
COMPASS	QAL1	SA1	QUALSTK	PUSH UP QUAL STACK		CMP30	3302	A
COMPASS		RJ	PULL			CMP30	3303	A
COMPASS		LX6	-12			CMP30	3304	A
COMPASS		SA6	QVAL			COMPASS	10191	A
COMPASS	QAL2	SA2	O.QVTAB			COMPASS	10192	A
COMPASS		SA1	QVAL			COMPASS	10193	A
COMPASS		ZR	X1,QAL3	IF BLANK QUAL		COMPASS	10194	A
COMPASS		LX1	12			COMPASS	10195	A
COMPASS		IX2	X2+X1			COMPASS	10196	A
COMPASS		SA1	X2-1			COMPASS	10197	A
COMPASS		MX6	-48			CMP19	293	A
COMPASS		BX1	-X6*X1			CMP19	294	A
COMPASS	QAL3	RJ	LJUST			COMPASS	10198	A
COMPASS		SA7	QNAME			COMPASS	10199	I
-CPS028								
COMPASS		SA6	QNAME	STORE IN SUBTITLE LINE	S028 468	CPS028	353	A
COMPASS		EQ	ZLIST	RETURN		COMPASS	10200	A
COMPASS	REP	SPACE	4			COMPASS	10201	A
COMPASS ***	REP - DATA GENERATION.					COMPASS	10202	A
COMPASS *						COMPASS	10203	A
COMPASS *						COMPASS	10204	A
COMPASS *	REP	P1/EXP,P2/EXP,,,P5/EXP				COMPASS	10205	A
COMPASS *	GENERATE REPLICATION TABLES FOR THE RELOCATABLE LOADER.					COMPASS	10206	A
COMPASS *	EACH SUB-FIELD CONTAINS A LETTER, A / AND AN EXPRESSION.					COMPASS	10207	A
COMPASS *	(S/REXP) SOURCE ADDRESS.					COMPASS	10208	A
COMPASS *	(D/REXP) DESTINATION ADDRESS.					COMPASS	10209	A
COMPASS *	(C/AEXP) REPLICATION COUNT.					COMPASS	10210	A
COMPASS *	(B/AEXP) CODE BLOCK SIZE.					COMPASS	10211	A
COMPASS *	(I/AEXP) INCREMENT.					COMPASS	10212	A
COMPASS						COMPASS	10213	A
COMPASS						COMPASS	10214	A
COMPASS	SEG	PSEUDO-OP PROCESSING (R-Z).				CMP30	3305	A
COMPASS	QUAL	PASS1				COMPASS	10215	A
COMPASS	REP	EQ	REPI			COMPASS	10216	I
-CMP30								
COMPASS	REP	SA1	ABSFG			CMP30	3306	A
COMPASS		NZ	X1,CTL80	COMPLAIN IF NOT RELOCATABLE		CMP30	3307	A
COMPASS		EQ	CTL70	PERFORM MOST PROCESSING IN PASS 2		CMP30	3308	A
COMPASS	REP	SPACE	4			COMPASS	10217	A
COMPASS **	REP - DATA GENERATION.					COMPASS	10218	A
COMPASS						COMPASS	10219	A
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS					COMPASS	10220	A
COMPASS			QUAL	PASS2	COMPASS	10221	A
COMPASS	REP	MX7	0		COMPASS	10222	A
COMPASS	ZREP	SA7	P2TEMP	SET REP TYPE	COMPASS	10223	A
COMPASS		MX6	0		COMPASS	10224	A
COMPASS		SX7	B1		COMPASS	10225	I
-CMP30							
COMPASS		SA5	ABSFG		COMPASS	10226	A
COMPASS		NZ	X5,ZLIST	QUIT IF REP IS ILLEGAL HERE	COMPASS	10227	A
COMPASS		SA6	OPADS	CLEAR ACCUMULATION CELLS	COMPASS	10228	A
COMPASS		SA7	SUPREF		COMPASS	10229	I
-CMP30							
COMPASS		SA6	A6+B1		COMPASS	10230	A
COMPASS		SA6	A6+B1		COMPASS	10231	A
COMPASS		SA6	A6+B1		COMPASS	10232	A
COMPASS		SA6	A6+B1		COMPASS	10233	A
COMPASS	ZREP1	SA1	CHAR		COMPASS	10234	A
COMPASS		SB7	X1-1R		COMPASS	10235	A
COMPASS		ZR	B7,ZREP10	IF DONE WITH ADDRESS FIELD	COMPASS	10236	A
COMPASS		RJ	SCITEM	GET IDENTIFICATION CHARACTER	COMPASS	10237	A
COMPASS		SB7	X1-1R/	CHECK FOR SLASH SEPARATOR	COMPASS	10238	A
COMPASS		SB6	X6-2		COMPASS	10239	I
-CMP30							
COMPASS		SB5	X6-4		COMPASS	10240	I
-CMP30							
COMPASS		SB6	X6-1RB		CMP30	3309	A
COMPASS		SB5	X6-1RD		CMP30	3310	A
COMPASS		SB4	X6-1RI		COMPASS	10241	A
COMPASS		SB3	X6-1RS		COMPASS	10242	A
COMPASS		NZ	B7,ZREPER	SLASH NOT TERMINATOR	COMPASS	10243	A
COMPASS		RJ	GETCH	THROW AWAY THE SLASH	COMPASS	10244	A
COMPASS		SX1	15		CMP30	3311	A
COMPASS		ZR	B6,ZREPB	B = BLOCK SIZE	COMPASS	10245	A
COMPASS		SX1	18		COMPASS	10246	A
COMPASS		EQ	B6,B1,ZREPC	C = COUNT	COMPASS	10247	A
COMPASS		ZR	B5,ZREPD	D = DESTINATION	COMPASS	10248	I
-CMP30							
COMPASS		ZR	B4,ZREPI	I = INCREMENT	COMPASS	10249	A
COMPASS		SX1	21		CMP30	3312	A
COMPASS		ZR	B5,ZREPD	D = DESTINATION	CMP30	3313	A
COMPASS		ZR	B3,ZREPS	S = SOURCE	COMPASS	10250	A
COMPASS	ZREPER	SX6	B1		COMPASS	10251	A
COMPASS		SA6	AERR		COMPASS	10252	A
COMPASS		SA6	EFLG		COMPASS	10253	A
COMPASS		EQ	ZLIST		COMPASS	10254	A
COMPASS	ZREPB	SX1	15		COMPASS	10255	I
-CMP30							
COMPASS		SX6	3		COMPASS	10256	I
-CMP30							
COMPASS	ZREPB	SX6	3		CMP30	3314	A
COMPASS		RJ	SMC		COMPASS	10257	A
COMPASS		SB7	B0		COMPASS	10258	A

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## 1412THE

7



## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA1	P2TEMP	COMPASS	10306	I
-CMP30	LX3	12	COMPASS	10307	I
-CMP30	SX7	B1+B1	COMPASS	10308	I
-CMP30	BX6	X3+X7	COMPASS	10309	I
-CMP30	LX6	36	COMPASS	10310	I
-CMP30	IX6	X6+X1	COMPASS	10311	I
-CMP30	SA6	A1	COMPASS	10312	I
-CMP30	WRITEW	B,A6,1	COMPASS	10313	I
-CMP30	SA1	OPADS	COMPASS	10314	I
-CMP30	SA3	A1+B1	COMPASS	10315	I
-CMP30	LX1	27	COMPASS	10316	I
-CMP30	LX3	27+15	COMPASS	10317	I
-CMP30	BX6	X1+X3	COMPASS	10318	I
-CMP30	SA1	A3+B1	COMPASS	10319	I
-CMP30	BX7	X1+X6	COMPASS	10320	I
-CMP30	SA3	A1+B1	COMPASS	10321	I
-CMP30	SA4	A3+B1	COMPASS	10322	I
-CMP30	LX3	27	COMPASS	10323	I
-CMP30	BX6	X4+X3	COMPASS	10324	I
-CMP30	SA6	P2TEMP	COMPASS	10325	I
-CMP30	ZR	X1,ZREP13	CMP30	3316	A
COMPASS	PL	X1,ZREP12	CMP30	3317	A
COMPASS	SA2	OPADS+2	CMP30	3318	A
COMPASS	+	NZ	CMP30	3319	A
COMPASS	SA2	OPADS+4	CMP30	3320	A
COMPASS	SX6	B1	CMP30	3321	A
COMPASS	AX2	24	CMP30	3322	A
COMPASS	IX4	X2-X6	CMP30	3323	A
COMPASS	AX3	X4,B1	CMP30	3324	A
COMPASS	ZR	X3,ZREP11	CMP30	3325	A
COMPASS	SA3	LLB	CMP30	3326	A
COMPASS	LX4	24	CMP30	3327	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	*					COMPASS	10332	A
COMPASS	*	REPI	P1/EXP,P2/EXP,,,P5/EXP			COMPASS	10333	A
COMPASS	*		GENERATE INSTANT REPLICATION TABLES FOR THE RELOCATABLE			COMPASS	10334	A
COMPASS	*		LOADER EACH SUB-FIELD CONTAINS A LETTER, A / AND AN			COMPASS	10335	A
COMPASS	*		EXPRESSION.			COMPASS	10336	A
COMPASS	*		(S/REXP) SOURCE ADDRESS.			COMPASS	10337	A
COMPASS	*		(D/REXP) DESTINATION ADDRESS.			COMPASS	10338	A
COMPASS	*		(C/AEXP) REPLICATION COUNT.			COMPASS	10339	A
COMPASS	*		(B/AEXP) CODE BLOCK SIZE.			COMPASS	10340	A
COMPASS	*		(I/AEXP) INCREMENT.			COMPASS	10341	A
COMPASS						COMPASS	10342	A
COMPASS						COMPASS	10343	A
COMPASS		QUAL	PASS1			COMPASS	10344	A
COMPASS	REPI	SA1	ABSFG			COMPASS	10345	I
-CMP30								
COMPASS		NZ	X1,CTL80	COMPLAIN IF NOT RELOCATABLE		COMPASS	10346	I
-CMP30								
COMPASS		EQ	CTL70	PERFORM MOST PROCESSING IN PASS 2		COMPASS	10347	I
-CMP30								
COMPASS	REPI	EQU	REP			CMP30	3421	A
COMPASS	REPI	SPACE	4			COMPASS	10348	A
COMPASS	**	REPI	- DATA GENERATION.			COMPASS	10349	A
COMPASS						COMPASS	10350	A
COMPASS						COMPASS	10351	A
COMPASS		QUAL	PASS2			COMPASS	10352	A
COMPASS	REPI	SX7	B1			COMPASS	10353	A
COMPASS		EQ	ZREP			COMPASS	10354	A
COMPASS	RMT	SPACE	4			COMPASS	10355	A
COMPASS	***	RMT	- SAVE CODE.			COMPASS	10356	A
COMPASS	*					COMPASS	10357	A
COMPASS	*					COMPASS	10358	A
COMPASS	*NAME	RMT				COMPASS	10359	A
COMPASS	*		INSTRUCTIONS UP TO THE NEXT (RMT) PSEUDO INSTRUCTION			COMPASS	10360	A
COMPASS	*		ARE SAVED FOR LATER ASSEMBLY.			COMPASS	10361	A
COMPASS	*		(NAME) = NAME OF LABELED REMOTE GROUP.			COMPASS	10362	A
COMPASS						COMPASS	10363	A
COMPASS						COMPASS	10364	A
COMPASS		QUAL	PASS1			COMPASS	10365	A
COMPASS	RMT	SX6	B1	SET TEXT DEFINITION FLAG		COMPASS	10366	A
COMPASS		MX7	0	CLEAR PUSHUP FLAG		COMPASS	10367	A
COMPASS		SA6	TXTFLG			COMPASS	10368	A
COMPASS		SA7	PUSHUP			COMPASS	10369	A
COMPASS		SA1	BADLOC			COMPASS	10370	A
COMPASS		SX6	B1			COMPASS	10371	A
COMPASS		SX7	RMTAB			COMPASS	10372	A
COMPASS		ZR	X1,RMT1	IF NO LOCATION ERROR		COMPASS	10373	A
COMPASS		SA6	LERR			COMPASS	10374	A
COMPASS		SA6	EFLG			COMPASS	10375	A
COMPASS	RMT1	SA1	LOCSYM			COMPASS	10376	A
COMPASS		SA7	P1TEMP			COMPASS	10377	A
COMPASS		ZR	X1,RMT2	IF UNLABELED RMT		COMPASS	10378	A
COMPASS		SX7	LRMTAB			COMPASS	10379	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS		SA7	A7		COMPASS	10380	A	
1	COMPASS		ADDWORD	X7		COMPASS	10381	A	1
2	COMPASS	RMT2	RJ	CWI	WRITE RMT CARD	COMPASS	10382	A	2
3	COMPASS		RJ	INPUT1	READ DEFINITION CARD	COMPASS	10383	A	3
4	COMPASS		NZ	X1,RMT4	IF PUSHUP OCCURRED	COMPASS	10384	A	5
5	COMPASS		RJ	SETUP		COMPASS	10385	A	6
6	COMPASS		SA1	STYPE	CHECK CARD TYPE	COMPASS	10386	A	7
7	COMPASS		SA2	IOP		COMPASS	10387	A	9
8	COMPASS		SB7	X1-1R*		COMPASS	10388	A	10
9	COMPASS		ZR	B7,RMT2	IF COMMENT CARD	COMPASS	10389	A	12
10	COMPASS		SX3	3RRMT		COMPASS	10390	A	13
11	COMPASS		SX4	3REND		COMPASS	10391	A	14
12	COMPASS		IX6	X2-X3		COMPASS	10392	A	15
13	COMPASS		BX7	X2-X4		COMPASS	10393	A	17
14	COMPASS		ZR	X7,END	JUMP IF END CARD	COMPASS	10394	A	18
15	COMPASS		ZR	X6,RMT3	IF TERMINATING RMT CARD	COMPASS	10395	A	19
16	COMPASS		SA1	P1TEMP	PACK CARD INTO RMT TABLE	COMPASS	10396	A	21
17	COMPASS		PCARD	X1		COMPASS	10397	A	22
18	COMPASS		EQ	RMT2	LOOP	COMPASS	10398	A	23
19	COMPASS	RMT3	RJ	CWI	WRITE TERMINATING RMT CARD	COMPASS	10399	A	25
20	COMPASS		MX6	0		COMPASS	10400	A	26
21	COMPASS		SA6	TXTFLG	CLEAR TEXT FLAG	COMPASS	10401	A	28
22	COMPASS		EQ	CTL100		COMPASS	10402	A	29
23	COMPASS					COMPASS	10403	A	30
24	COMPASS	*			ENTRY OF ILLEGAL NESTING OF RMT.	COMPASS	10404	A	32
25	COMPASS					COMPASS	10405	A	33
26	COMPASS	RMT4	SX6	B1	SET *E* ERROR	COMPASS	10406	A	34
27	COMPASS		SA6	EFLG		COMPASS	10407	A	35
28	COMPASS		SA6	EERR		COMPASS	10408	A	37
29	COMPASS		EQ	RMT3		COMPASS	10409	A	38
30	COMPASS	RMT	SPACE	4		COMPASS	10410	A	39
31	COMPASS	**			RMT - SAVE CODE.	COMPASS	10411	A	41
32	COMPASS					COMPASS	10412	A	42
33	COMPASS					COMPASS	10413	A	43
34	COMPASS		QUAL	PASS2		COMPASS	10414	A	45
35	COMPASS	RMT	EQU	ZLIST		COMPASS	10415	A	46
36	COMPASS	R=	SPACE	4		COMPASS	10416	A	48
37	COMPASS	***			R= - CONDITIONAL SET INSTRUCTION.	COMPASS	10417	A	49
38	COMPASS	*				COMPASS	10418	A	50
39	COMPASS	*				COMPASS	10419	A	52
40	COMPASS	*SYM	R=	REG,EXP		COMPASS	10420	A	53
41	COMPASS	*			(SYM) IS ASSIGNED THE VALUE OF THE LOCATION COUNTER.	COMPASS	10421	A	54
42	COMPASS	*			IF (REG) AND (EXP) ARE IDENTICAL, NO CODE IS GENERATED.	COMPASS	10422	A	55
43	COMPASS	*			IF (EXP) HAS A VALUE OF ZERO, A SET (REG) TO B0 IS GENERATED.	COMPASS	10423	A	57
44	COMPASS	*			IF (B1=1) OR (B7=1) PSEUDO HAS BEEN CALLED, A 15-BIT SET	COMPASS	10424	A	58
45	COMPASS	*			(REG) INSTRUCTION WILL BE GENERATED IF (EXP) = -1, 0, 1,	COMPASS	10425	A	60
46	COMPASS	*			OR 2. OTHERWISE, A SET (REG) TO (EXP) IS GENERATED.	COMPASS	10426	A	61
47	COMPASS	*			THIS PSEUDO IS USED INSIDE A MACRO DEFINITION TO SPEED UP	COMPASS	10427	A	62
48	COMPASS	*			THE GENERATION OF MORE OPTIMUM CODE.	COMPASS	10428	A	63
49	COMPASS					COMPASS	10429	A	65
50	COMPASS					COMPASS	10430	A	66
51	COMPASS		QUAL	PASS1		COMPASS	10431	A	68

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	R=	SA1	COLUMN	COMPASS	10432	A
COMPASS		SA1	X1+CARD-1	COMPASS	10433	A
COMPASS		SX6	1R	COMPASS	10434	A
COMPASS		LX1	12	COMPASS	10435	A
COMPASS		SA2	A1+B1	COMPASS	10436	A
COMPASS		LX2	6	COMPASS	10437	A
COMPASS		BX1	X1+X6	COMPASS	10438	A
COMPASS		SA3	A2+B1	COMPASS	10439	A
COMPASS		SA4	A3+B1	COMPASS	10440	A
COMPASS		BX1	X1+X2	COMPASS	10441	A
COMPASS		LX4	12	COMPASS	10442	A
COMPASS		SA5	A4+B1	COMPASS	10443	A
COMPASS		SA2	A5+B1	COMPASS	10444	A
COMPASS		LX5	6	COMPASS	10445	A
COMPASS		BX4	X4+X5	COMPASS	10446	A
COMPASS		SX3	X3-1R,	COMPASS	10447	A
COMPASS		BX4	X4+X2	COMPASS	10448	A
COMPASS		NZ	X3,REQ4 IF NOT *,* SEPARATOR	COMPASS	10449	A
COMPASS		BX6	X4-X1	COMPASS	10450	A
COMPASS		NZ	X6,REQ.1 IF FIELDS ARE NOT =	COMPASS	10451	I
COMPASS	-CMP111					
COMPASS		SA1	LOCSYM	COMPASS	10452	I
COMPASS	-CMP111					
COMPASS		ZR	X6,REQ.2 IF FIELDS EQUAL	CMP111	1	A
COMPASS		SA3	REQC	CMP111	2	A
COMPASS		SX6	3RB1	CMP111	3	A
COMPASS		ZR	X3,REQ.1 IF B1=1 NOT DEFINED	CMP111	4	A
COMPASS		SX7	X3-REQA+1	CMP111	5	A
COMPASS		ZR	X7,REQ.3 IF B1=1 DEFINED	CMP111	6	A
COMPASS		SX6	3RB7 B7=1 DEFINED	CMP111	7	A
COMPASS	REQ.3	BX3	X1-X6	CMP111	8	A
COMPASS		NZ	X3,REQ.1 IF B1 OR B7 NOT FIRST SUBFIELD	CMP111	9	A
COMPASS		SX7	2R1	CMP111	10	A
COMPASS		AX4	6	CMP111	11	A
COMPASS		IX3	X7-X4	CMP111	12	A
COMPASS		NZ	X3,REQ.1 IF 1 NOT SECOND SUBFIELD	CMP111	13	A
COMPASS	REQ.2	SA1	LOCSYM	CMP111	14	A
COMPASS		ZR	X1,CTL300 IF NO LOCATION SYMBOL	COMPASS	10453	A
COMPASS		SA1	LWORD	COMPASS	10454	A
COMPASS		RJ	YPRLOC	COMPASS	10455	A
COMPASS		EQ	CTL70	COMPASS	10456	A
COMPASS	REQ.1	SX6	B1 WRITE AS A MICRO	COMPASS	10457	A
COMPASS		SA6	MICFLG	COMPASS	10458	A
COMPASS		RJ	CWI	COMPASS	10459	A
COMPASS		SX6	B0	COMPASS	10460	A
COMPASS		SA6	MICFLG	COMPASS	10461	A
COMPASS		SA6	SQLGN	COMPASS	10462	A
COMPASS		SA3	COL CHANGE PSEUDO TO SET INSTRUCTION	COMPASS	10463	A
COMPASS		SX7	1RS	COMPASS	10464	A
COMPASS		SA7	X3+CARD	COMPASS	10465	A
COMPASS		SA1	CHAR	COMPASS	10466	A
COMPASS		BX7	X1	COMPASS	10467	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA7	A7+B1	COMPASS	10468	A
COMPASS	RJ	GETCH	COMPASS	10469	A
COMPASS	BX7	X1	COMPASS	10470	A
COMPASS	SA7	A7+B1	COMPASS	10471	A
COMPASS	RJ	GETCH	COMPASS	10472	A
COMPASS	SX7	1R	COMPASS	10473	A
COMPASS	RJ	GETCH	COMPASS	10474	A
COMPASS	SA1	COLUMN	COMPASS	10475	A
COMPASS	BX6	X1	COMPASS	10476	A
COMPASS	SA6	P1TEMP	COMPASS	10477	A
COMPASS	SA7	X1+CARD-2	COMPASS	10478	A
COMPASS	SA7	A7-B1	COMPASS	10479	I
-CMP064					
COMPASS	SA7	A7-B1	COMPASS	10480	I
-CMP064					
COMPASS	SA1	COL	CMP064	1	A
COMPASS	SX3	X1+CARD+3	CMP064	2	A
COMPASS	SA7	A7-B1	CMP064	3	A
COMPASS	SX2	A7	CMP064	4	A
COMPASS	IX6	X2-X3	CMP064	5	A
COMPASS	NZ	X6,REQ.4	CMP064	6	A
COMPASS	SX1	18	COMPASS	10481	A
COMPASS	SX6	3	COMPASS	10482	A
COMPASS	RJ	SCADCON	COMPASS	10483	A
COMPASS	SX6	B0	COMPASS	10484	A
COMPASS	SA6	AERR	COMPASS	10485	A
COMPASS	SA6	UERR	COMPASS	10486	A
COMPASS	NZ	X1,CTL110	COMPASS	10487	A
COMPASS	SA2	EXVAL	COMPASS	10488	A
COMPASS	SA1	P1TEMP	COMPASS	10489	A
COMPASS	SX7	1R	COMPASS	10490	A
COMPASS	SA7	X1+CARD-2	COMPASS	10491	A
COMPASS	SA4	REQC	COMPASS	10492	A
COMPASS	SA3	REQB-1	COMPASS	10493	A
COMPASS	MX0	42	COMPASS	10494	A
COMPASS	ZR	X4,REQ1	COMPASS	10495	A
COMPASS	SA3	X4	COMPASS	10496	A
COMPASS	SA3	A3+B1	COMPASS	10497	A
COMPASS	BX6	X2-X3	COMPASS	10498	A
COMPASS	ZR	X3,CTL110	COMPASS	10499	A
COMPASS	BX6	-X0*X6	COMPASS	10500	A
COMPASS	NZ	X6,REQ1	COMPASS	10501	A
COMPASS	MX0	54	COMPASS	10502	A
COMPASS	LX3	6	COMPASS	10503	A
COMPASS	BX7	-X0*X3	COMPASS	10504	A
COMPASS	ZR	X7,REQ3	COMPASS	10505	A
COMPASS	SA7	A7+B1	COMPASS	10506	A
COMPASS	EQ	REQ2	COMPASS	10507	A
COMPASS	SX6	A7-CARD+1	COMPASS	10508	A
COMPASS	SA1	LASTCOL	COMPASS	10509	A
COMPASS	IX7	X6-X1	COMPASS	10510	A
COMPASS	NG	X7,CTL110	COMPASS	10511	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS		SA6	A1		COMPASS	10512	A
COMPASS		MX7	0		CMP12	14	A
COMPASS		SX6	X6-2		CMP12	15	A
COMPASS	+	SX6	X6-71	RECALCULATE CARD COUNT	CMP12	16	A
COMPASS		SX7	X7+B1		CMP12	17	A
COMPASS		PL	X6,*-1		CMP12	18	A
COMPASS		SA7	CCT		CMP12	19	A
COMPASS		EQ	CTL110	CONTINUE	COMPASS	10513	A
COMPASS					COMPASS	10514	A
COMPASS	*		ADDRESS ERROR FOUND.		COMPASS	10515	A
COMPASS					COMPASS	10516	A
COMPASS	REQ4	SX6	B1		COMPASS	10517	A
COMPASS		SA6	AERR		COMPASS	10518	A
COMPASS		SA6	EFLG		COMPASS	10519	A
COMPASS		EQ	CTL70		COMPASS	10520	A
COMPASS					COMPASS	10521	A
COMPASS	REQA	VFD	42/4L-B1 ,18/-1		COMPASS	10522	A
COMPASS		VFD	42/3LB1 ,18/1		COMPASS	10523	A
COMPASS		VFD	42/6LB1+B1 ,18/2		COMPASS	10524	A
COMPASS	REQB	VFD	42/3LB0 ,18/		COMPASS	10525	A
COMPASS		DATA	0		COMPASS	10526	A
COMPASS					COMPASS	10527	A
COMPASS	REQD	VFD	42/4L-B7 ,18/-1		COMPASS	10528	A
COMPASS		VFD	42/3LB7 ,18/1		COMPASS	10529	A
COMPASS		VFD	42/6LB7+B7 ,18/2		COMPASS	10530	A
COMPASS		VFD	42/3LB0 ,18/		COMPASS	10531	A
COMPASS		DATA	0		COMPASS	10532	A
COMPASS	R=	SPACE	4		COMPASS	10533	A
COMPASS	**		R= - CONDITIONAL SET INSTRUCTION.		COMPASS	10534	A
COMPASS					COMPASS	10535	A
COMPASS					COMPASS	10536	A
COMPASS		QUAL	PASS2		COMPASS	10537	A
COMPASS	R=	SA2	LOCSYM		COMPASS	10538	A
COMPASS		SA1	LWORD		COMPASS	10539	A
COMPASS		ZR	X2,ZLIST	IF NO LOCATION SYMBOL	COMPASS	10540	A
COMPASS		RJ	ZPRLOC		COMPASS	10541	A
COMPASS		EQ	ZLIST		COMPASS	10542	A
COMPASS	SEG	SPACE	4		COMPASS	10543	A
COMPASS	***		SEG - OUTPUT BINARY SEGMENT.		COMPASS	10544	A
COMPASS	*				COMPASS	10545	A
COMPASS	*				COMPASS	10546	A
COMPASS	*	SEG			COMPASS	10547	A
COMPASS	*		SEG IS USED IN ABSOLUTE CP CODE TO OUTPUT A PARTIAL BINARY		COMPASS	10548	A
COMPASS	*		OF A PROGRAM. THIS ALLOWS A PROGRAM TO ASSEMBLE IN LESS		COMPASS	10549	A
COMPASS	*		CORE THAN IF THE ENTIRE BINARY IS OUTPUT AT THE END OF		COMPASS	10550	A
COMPASS	*		THE ASSEMBLY.		COMPASS	10551	A
COMPASS					COMPASS	10552	A
COMPASS					COMPASS	10553	A
COMPASS		QUAL	PASS1		COMPASS	10554	A
COMPASS	SEG	SA1	ABSFG	CHECK FOR ABSOLUTE CP CODE	COMPASS	10555	A
COMPASS		SA2	MACHINE		COMPASS	10556	A
COMPASS		BX6	-X2*X1		COMPASS	10557	A
</							



## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	NZ	X6,SEG1	IF ABSOLUTE CP CODE	COMPASS	10558	A	
1	COMPASS		SX6	B1	COMPASS	10559	A	
2	COMPASS		SA6	OERR	COMPASS	10560	A	
3	COMPASS		SA6	EFLG	COMPASS	10561	A	
4	COMPASS		EQ	CTL70	COMPASS	10562	A	
5	COMPASS	SEG1	RJ	YFUALL	FORCE ALL BLOCKS UPPER	COMPASS	10563	A
6	COMPASS		RJ	RSL	RECORD SEGMENT LENGTH	COMPASS	10564	A
7	COMPASS		RJ	RSS	RECORD SEGMENT START	COMPASS	10565	A
8	COMPASS		EQ	CTL70		COMPASS	10566	A
9	COMPASS	SEG	SPACE	4		COMPASS	10567	A
10	COMPASS	**	SEG - OUTPUT BINARY SEGMENT.			COMPASS	10568	A
11	COMPASS					COMPASS	10569	A
12	COMPASS					COMPASS	10570	A
13	COMPASS		QUAL	PASS2		COMPASS	10571	A
14	COMPASS	SEG	SA1	ABSFG	CHECK FOR ABSOLUTE CP CODE	COMPASS	10572	A
15	COMPASS		SA2	MACHINE		COMPASS	10573	A
16	COMPASS		BX6	-X2*X1		COMPASS	10574	A
17	COMPASS		ZR	X6,ZLIST	IF NOT ABSOLUTE CP	COMPASS	10575	A
18	COMPASS		RJ	ZFUALL	FORCE ALL BLOCKS UPPER	COMPASS	10576	A
19	COMPASS		RJ	DLAST		COMPASS	10577	I
20		-CP13226						
21	COMPASS		RJ	DBSSZ	DUMP BSSZ CODE	CP13226	4	A
22	COMPASS		RJ	DDUMP		COMPASS	10578	A
23	COMPASS		SA1	ORGCTR		COMPASS	10579	A
24	COMPASS		BX6	X1		COMPASS	10580	A
25	COMPASS		SA6	ORGBASE		COMPASS	10581	A
26	COMPASS		RJ	SBL	SET BINARY LENGTH	COMPASS	10582	A
27	COMPASS		EQ	SEG1		COMPASS	10583	I
28		-CPS012						
29	COMPASS		RJ	DLT	DUMP LITERAL TABLE	CPS012	1	A
30	COMPASS		JP	ZLIST	RETURN	CPS012	2	A
31	COMPASS	SEGMENT	SPACE	4		COMPASS	10584	A
32	COMPASS	***	SEGMENT - OUTPUT BINARY SEGMENT.			COMPASS	10585	A
33	COMPASS	*				COMPASS	10586	A
34	COMPASS	*				COMPASS	10587	A
35	COMPASS	*NAME	SEGMENT ORIGIN,ENTRY			COMPASS	10588	I
36		-CPS010						
37	COMPASS	* NAME	SEGMENT ORIGIN,ENTRY,L1,L2			CPS010	62	A
38	COMPASS	*	SEGMENT TERMINATES ONE SEGMENT OF CODE. THE ACCUMULATED			COMPASS	10589	A
39	COMPASS	*	BINARY IS WRITTEN OUT AND A NEW BINARY IS STARTED.			COMPASS	10590	A
40	COMPASS	*	(NAME) IS THE NAME OF THE (1,0) OVERLAY GENERATED.			COMPASS	10591	I
41		-CPS010						
42	COMPASS	*	(NAME) IS THE NAME OF THE OVERLAY GENERATED.			CPS010	63	A
43	COMPASS	*	(ORIGIN) IS USED TO SPECIFY THE ORIGIN OF THE ROUTINE.			COMPASS	10592	A
44	COMPASS	*	FOR A CENTRAL PROCESSOR ABSOLUTE PROGRAM, (ENTRY) SPECIFIES			COMPASS	10593	A
45	COMPASS	*	THE ENTRY POINT.			COMPASS	10594	I
46		-CPS010						
47	COMPASS	*	THE ENTRY POINT, AND (L1) AND (L2) ARE THE OVERLAY LEVEL			CPS010	64	A
48	COMPASS	*	NUMBERS - IF OMITTED, LEVEL (1,0) IS ASSUMED.			CPS010	65	A
49	COMPASS					COMPASS	10595	A
50	COMPASS					COMPASS	10596	A
51	COMPASS		QUAL	PASS1		COMPASS	10597	A
52								
53		0	1	2	3	4	5	6
54		12345678901	2345678901	2345678901	2345678901	2345678901	2345678901	2345678901

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	SEGMENT	RJ	YFUALL	FORCE ALL BLOCKS UPPER			COMPASS	10598	A	
1	COMPASS		SA1	ABSFG				COMPASS	10599	A	1
2	COMPASS		ZR	X1,CTL70	IF RELOCATABLE CP CODE			COMPASS	10600	A	2
3	COMPASS		RJ	RSL	RECORD SEGMENT LENGTH			COMPASS	10601	A	3
4	COMPASS		RJ	RSS	RECORD SEGMENT START			COMPASS	10602	A	5
5	COMPASS		SA1	LOCSYM	VERIFY SEGMENT NAME			COMPASS	10603	A	6
6	COMPASS		BX6	X1				COMPASS	10604	A	7
7	COMPASS		RJ	VFYLINK				COMPASS	10605	A	9
8	COMPASS		ZR	X7,CTL70				COMPASS	10606	I	10
9		-CPS002									11
10	COMPASS		ZR	X7,SEG2	IF NO ERROR	S002	51	CPS002	37	A	13
11	COMPASS		SX6	B1				COMPASS	10607	A	14
12	COMPASS		SA6	EFLG				COMPASS	10608	A	15
13	COMPASS		SA6	LERR				COMPASS	10609	A	17
14	COMPASS	SEG2	RJ	DIM	DISPLAY IDENT MESSAGE	S002	53	CPS002	38	A	18
15	COMPASS		EQ	CTL70				COMPASS	10610	A	19
16	COMPASS	SEGMENT	SPACE	4				COMPASS	10611	A	21
17	COMPASS	**	SEGMENT	-	OUTPUT BINARY SEGMENT.			COMPASS	10612	A	22
18	COMPASS							COMPASS	10613	A	23
19	COMPASS							COMPASS	10614	A	25
20	COMPASS		QUAL	PASS2				COMPASS	10615	A	26
21	COMPASS	SEGMENT	RJ	ZFUALL	FORCE ALL BLOCKS UPPER			COMPASS	10616	A	27
22	COMPASS		RJ	DLAST	DUMP COMMON, EXT, REP, BSSZ CODE			COMPASS	10617	I	29
23		-CP13226									30
24	COMPASS		RJ	DBSSZ	DUMP BSSZ CODE			CP13226	5	A	31
25	COMPASS		RJ	DLAST	DUMP COMMON, EXT, REP CODE			CP13226	6	A	33
26	COMPASS		SA1	ABSFG				COMPASS	10618	A	34
27	COMPASS		ZR	X1,ZLIST	EXIT IF RELOCATABLE CP CODE			COMPASS	10619	A	35
28	COMPASS		RJ	DDUMP				COMPASS	10620	A	37
29	COMPASS		WRITER	B	TERMINATE BINARY I/O			COMPASS	10621	I	38
30		-CMP30									39
31	COMPASS		SX1	18				COMPASS	10622	I	41
32		-CMP30									42
33	COMPASS		SA1	B				CMP30	3422	A	43
34	COMPASS		ZR	X1,SEG0	IF NO BINARY FILE			CMP30	3423	A	45
35	COMPASS		WEOR	B	TERMINATE BINARY I/O			CMP30	3424	A	46
36	COMPASS	SEG0	SX1	18				CMP30	3425	I	47
37		-CPS002									48
38	COMPASS		RJ	SCAD	LOOK FOR NEW ORG BASE			COMPASS	10623	I	50
39		-CPS002									51
40	COMPASS		MX0	42				COMPASS	10624	I	53
41		-CPS002									54
42	COMPASS		SA1	EXVAL				COMPASS	10625	I	55
43		-CPS002									56
44	COMPASS		BX6	-X0*X1				COMPASS	10626	I	57
45		-CPS002									58
46	COMPASS		SA6	ORGBASE				COMPASS	10627	I	61
47		-CPS002									62
48	COMPASS		SX1	18				COMPASS	10628	I	63
49		-CPS002									64
50	COMPASS		RJ	SCAD	GET ENTRY POINT FOR SEGMENT			COMPASS	10629	I	65
51		-CPS002									66
52											67
53		0	1	2	3	4	5	6	7	8	69
54		1234567890123456789012345678901234567890123456789012345678901234567890									70
											71
											72

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	MX0	42	COMPASS	10630	I			
-CPS002								
COMPASS	SA1	EXVAL	COMPASS	10631	I			
-CPS002								
COMPASS	BX6	-X0*X1	COMPASS	10632	I			
-CPS002								
COMPASS	SA6	SEGEPT	COMPASS	10633	I			
SET SEGMENT ENTRY POINT								
-CPS002								
COMPASS	SA1	LOCSYM	COMPASS	10634	I			
DUMP PRELIMINARY STUFF								
-CPS002								
COMPASS	SX2	100B	COMPASS	10635	I			
-CPS002								
COMPASS	SEG0	SA1	LOCSYM	DUMP PRELIMINARY STUFF	S002 55 CPS002 39 A			
COMPASS	BX6	X1	S002 56 CPS002 40 A					
COMPASS	RJ	VFYLINK	VERIFY SEGMENT NAME	S002 57 CPS002 41 A				
COMPASS	SA6	P2TEMP	S002 58 CPS002 42 A					
COMPASS	SX6	0100B	SET DEFAULT (1,0) OVERLAY	S002 59 CPS002 43 A				
COMPASS	SX1	B1	S002 60 CPS002 44 A					
COMPASS	RJ	SIC	SCAN IDENT CARD	S002 61 CPS002 45 A				
COMPASS	SA1	P2TEMP	S002 62 CPS002 46 A					
COMPASS	SA2	A1+B1	DUMP IDENT TABLE	S002 63 CPS002 47 A				
COMPASS	RJ	DFIRST	COMPASS	10636	A			
COMPASS	SA1	DKNAM	DISPLAY IDENT MESSAGE	S002 65 CPS002 48 A				
COMPASS	RJ	DIM	S002 66 CPS002 49 A					
COMPASS	SEG1	SA1	O.USETAB	CHECK LITERAL TABLE	COMPASS 10637 I			
-CPS012								
COMPASS	SA2	UI	COMPASS	10638	I			
-CPS012								
COMPASS	IX1	X1+X2	COMPASS	10639	I			
-CPS012								
COMPASS	SA1	X1+14	COMPASS	10640	I			
-CMP30								
COMPASS	SA1	X1+2*4+2	CMP30	3426	I			
-CPS012								
COMPASS	SX1	X1	ORGCTR OF LITERAL TABLE	COMPASS	10641 I			
-CPS012								
COMPASS	SA2	ORGBASE	COMPASS	10642	I			
-CPS012								
COMPASS	SA3	O.MEMORY	COMPASS	10643	I			
-CPS012								
COMPASS	IX5	X1-X2	COMPASS	10644	I			
-CPS012								
COMPASS	NG	X5,ZLIST	IF LITERAL TABLE DUMPED	COMPASS	10645 I			
-CPS012								
COMPASS	IX3	X3+X5	COMPASS	10646	I			
-CPS012								
COMPASS	SA2	L.MEMORY	COMPASS	10647	I			
-CPS012								
COMPASS	IX5	X5-X2	COMPASS	10648	I			
-CPS012								
COMPASS	PL	X5,ZLIST	IF LITERALS NOT IN THIS SEGMENT	COMPASS	10649 I			
-CPS012								
0	1	2	3	4	5	6	7	8
123456789012345678901234567890123456789012345678901234567890								

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA2	O.LITAB	COMPASS	10650	I
-CPS012					
COMPASS	SA4	LI	COMPASS	10651	I
-CPS012					
COMPASS	SA5	A4+B1	COMPASS	10652	I
-CPS012					
COMPASS	IX2	X2+X4	COMPASS	10653	I
-CPS012					
COMPASS	IX1	X5-X4	COMPASS	10654	I
-CPS012					
COMPASS	ZR	X1,ZLIST IF LITERAL TABLE EMPTY	COMPASS	10655	I
-CPS012					
COMPASS	RJ	MOVE	COMPASS	10656	I
-CPS012					
COMPASS	RJ	DLT DUMP LITERAL TABLE	CPS012	3	A
COMPASS	EQ	ZLIST AND QUIT	COMPASS	10657	A
COMPASS	SET	SPACE 4	COMPASS	10658	A
COMPASS	***	SET	COMPASS	10659	A
COMPASS	*		COMPASS	10660	A
COMPASS	*		COMPASS	10661	A
COMPASS	*SYM	SET EXP	COMPASS	10662	A
COMPASS	*	(SYM) IS REDEFINED TO THE VALUE OF THE ADDRESS EXPRESSION.	COMPASS	10663	A
COMPASS			COMPASS	10664	A
COMPASS			COMPASS	10665	A
COMPASS	QUAL	PASS1	COMPASS	10666	A
COMPASS	SET	SA1 LIBFLG	COMPASS	10667	A
COMPASS		LX6 X1,B1	COMPASS	10668	A
COMPASS		SX6 X6+B1	COMPASS	10669	A
COMPASS	EQU1	SA6 P1TEMP SAVE SET FLAG	COMPASS	10670	A
COMPASS		SA1 LOCSYM	COMPASS	10671	A
COMPASS		NZ X1,EQU3 IF LOCATION FIELD PRESENT	COMPASS	10672	A
COMPASS		SX7 B1	COMPASS	10673	A
COMPASS		SA7 EFLG	COMPASS	10674	A
COMPASS		SA7 W6ERR	COMPASS	10675	A
COMPASS		EQ CTL70	COMPASS	10676	A
COMPASS	EQU3	SX6 B1 EVALUATE ADDRESS FIELD	COMPASS	10677	A
COMPASS		SX1 21	COMPASS	10678	A
COMPASS		RJ SCADCON	COMPASS	10679	A
COMPASS		SA1 EXSTOP	COMPASS	10680	A
COMPASS		ZR X1,EQU4 IF NO EXTRA FIELDS	COMPASS	10681	A
COMPASS		SX6 B1	COMPASS	10682	A
COMPASS		SA6 W8ERR	COMPASS	10683	A
COMPASS		SA6 EFLG	COMPASS	10684	A
COMPASS	EQU4	SA2 EXVAL	COMPASS	10685	A
COMPASS		SA3 EXREL	COMPASS	10686	A
COMPASS		SA4 EXEXT GET PROPERTIES OF EXPRESSION	COMPASS	10687	A
COMPASS		SA1 AERR	COMPASS	10688	A
COMPASS		SA5 UERR	COMPASS	10689	A
COMPASS		BX6 X1+X5	COMPASS	10690	A
COMPASS		SA5 P1TEMP	COMPASS	10691	A
COMPASS		NZ X6,EQU2 IF ERRORS IN ADDRESS	COMPASS	10692	A
COMPASS		RJ YDEFLOC	COMPASS	10693	A

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## 1412THE

7

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	MX3	0	COMPASS	10731	I		
COMPASS	-CMP19	RJ	PACKOR	CALL PACKOR(EXVAL,36,7)	COMPASS	10732	I
COMPASS	-CMP19	SA5	P2TEMP	REDEFINITION BIT	COMPASS	10733	A
COMPASS		ZR	X5,ZLIST	EXIT IF EQU	COMPASS	10734	I
COMPASS	-CMP19	SA2	EXVAL		COMPASS	10735	A
COMPASS		SA3	A2+B1	EXREL	COMPASS	10736	A
COMPASS		SA4	A3+B1	EXEXT	COMPASS	10737	A
COMPASS		SA1	LOCSYM		COMPASS	10738	A
COMPASS		RJ	ZDEFSYM		COMPASS	10739	A
COMPASS		EQ	ZLIST		COMPASS	10740	A
COMPASS	SKIP	SPACE	4		COMPASS	10741	A
COMPASS	***	SKIP - UNCONDITIONALLY SKIP CODE.			COMPASS	10742	A
COMPASS	*				COMPASS	10743	A
COMPASS	*				COMPASS	10744	A
COMPASS	*NAME	SKIP	LNCT		COMPASS	10745	A
COMPASS	*	OPTIONAL (LNCT) IS NUMBER OF LINES TO SKIP. (NAME) IS			COMPASS	10746	A
COMPASS	*	INSTRUCTION BRACKET NAME.			COMPASS	10747	A
COMPASS					COMPASS	10748	A
COMPASS					COMPASS	10749	A
COMPASS		QUAL	PASS1		COMPASS	10750	A
COMPASS	SKIP	EQU	IFXXNO		COMPASS	10751	A
COMPASS	SKIP	SPACE	4		COMPASS	10752	A
COMPASS	**	SKIP - UNCONDITIONALLY SKIP CODE.			COMPASS	10753	A
COMPASS					COMPASS	10754	A
COMPASS					COMPASS	10755	A
COMPASS		QUAL	PASS2		COMPASS	10756	A
COMPASS	SKIP	EQU	ZLIST		COMPASS	10757	A
COMPASS	SPACE	SPACE	4		COMPASS	10758	A
COMPASS	***	SPACE - SKIP LINE.			COMPASS	10759	A
COMPASS	*				COMPASS	10760	A
COMPASS	*				COMPASS	10761	A
COMPASS	*NAME	SPACE	AEXP1,AEXP2		COMPASS	10762	A
COMPASS	*	SKIP NUMBER OF LINES INDICATED BY (AEXP1). GUARANTEE			COMPASS	10763	A
COMPASS	*	(AEXP1 + AEXP2) LINES ON THIS PAGE. (NAME) IS THE			COMPASS	10764	A
COMPASS	*	NEW SUB-SUBTITLE, PRINTED AT THE BEGINNING OF THE NEXT PAGE.			COMPASS	10765	A
COMPASS					COMPASS	10766	A
COMPASS					COMPASS	10767	A
COMPASS		QUAL	PASS1		COMPASS	10768	A
COMPASS	SPACE	EQU	CTL300		COMPASS	10769	A
COMPASS	SPACE	SPACE	4		COMPASS	10770	A
COMPASS	**	SPACE - SKIP LINE.			COMPASS	10771	A
COMPASS					COMPASS	10772	A
COMPASS					COMPASS	10773	A
COMPASS		QUAL	PASS2		COMPASS	10774	A
COMPASS	SPACE	RJ	ZTLIST	CHECK FOR LISTINGS	COMPASS	10775	A
COMPASS		SX1	18		COMPASS	10776	A
COMPASS		SX6	3		COMPASS	10777	A
COMPASS		RJ	SMC		COMPASS	10778	A
COMPASS		SA2	EXVAL		COMPASS	10779	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	BX6	X2				COMPASS	10780	A
COMPASS	SA6	P2TEMP				COMPASS	10781	A
COMPASS	SX1	18				COMPASS	10782	A
COMPASS	SX6	3				COMPASS	10783	A
COMPASS	RJ	SMC				COMPASS	10784	A
COMPASS	SA2	EXVAL				COMPASS	10785	A
COMPASS	SA4	P2TEMP				COMPASS	10786	A
COMPASS	SA3	LPCNT				COMPASS	10787	A
COMPASS	IX2	X2+X4				COMPASS	10788	A
COMPASS	IX6	X2+X3				COMPASS	10789	A
COMPASS	SB7	X6-PAGESIZ				COMPASS	10790	I
-F4810A								
COMPASS	SA2	CP.PS	PAGE SIZE		F4810A	F4810A	332	A
COMPASS	IX3	X6-X2			F4810A	F4810A	333	A
COMPASS	SX6	B1				COMPASS	10791	A
COMPASS	SA6	CTYPE				COMPASS	10792	A
COMPASS	PL	B7,SPC1	IF BIG SPACE MAKE EJECT			COMPASS	10793	I
-F4810A								
COMPASS	PL	X3,SPC1	IF BIG SPACE MAKE EJECT		F4810A	F4810A	334	A
COMPASS	RJ	LISTER				COMPASS	10794	A
COMPASS	SA1	P2TEMP				COMPASS	10795	A
COMPASS	BX0	X1				COMPASS	10796	A
COMPASS	RJ	LBL	LIST BLANK LINES			COMPASS	10797	A
COMPASS	EQ	Z100	RETURN			COMPASS	10798	A
COMPASS	SPC1	SX7	PAGESIZ+5			COMPASS	10799	I
-F4810A								
COMPASS	SPC1	SX7	X2+5	FORCE EJECT	F4810A	F4810A	335	A
COMPASS	SA7	LPCNT	CAUSE EJECT			COMPASS	10800	A
COMPASS	EQ	ZLIST				COMPASS	10801	A
COMPASS	SST	SPACE	4			COMPASS	10802	A
COMPASS	***	SST	SYSTEM SYMBOL TABLE.			COMPASS	10803	A
COMPASS	*					COMPASS	10804	A
COMPASS	*					COMPASS	10805	A
COMPASS	*	SST	SYM1,SYM2,,,SYMN			COMPASS	10806	A
COMPASS	*		DEFINES SYSTEM SYMBOLS FROM THE SYSTEM FILE AS IF THEY			COMPASS	10807	A
COMPASS	*		HAD BEEN DEFINED BY THE ROUTINE. (SYMI) DENOTES SYMBOLS			COMPASS	10808	A
COMPASS	*		THAT SHOULD NOT BE DEFINED.			COMPASS	10809	A
COMPASS						COMPASS	10810	A
COMPASS						COMPASS	10811	A
COMPASS	QUAL	PASS1				COMPASS	10812	A
COMPASS	SST	SX6	B0			COMPASS	10813	I
-CMP30								
COMPASS	SST	SA1	LCMSYM			CMP30	3427	A
COMPASS	ZR	X1,SST0	IF SYSTEM SYMBOLS NOT IN LCM			CMP30	3428	A
COMPASS	AX1	30				CMP30	3429	A
COMPASS	MANAGE	SSYMS,X1	ALLOCATE TABLE IN SCM			CMP30	3430	A
COMPASS	SA1	LCMSYM				CMP30	3431	A
COMPASS	RJ	RLC	COPY TABLE TO SCM			CMP30	3432	A
COMPASS	SST0	SX6	B0			CMP30	3433	A
COMPASS	SA6	P1TEMPA				COMPASS	10814	I
-CMP25								
COMPASS	SA1	QVAL				CMP25	34	A
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA6	P1TEMP			CMP25	35	A
COMPASS	SA6	A6+B1	P1TEMPA		CMP25	36	A
COMPASS	SA6	A6+B1	P1TEMPB		CMP25	37	A
COMPASS	BX7	X1			CMP25	38	A
COMPASS	SA6	A1	SET BLANK QUALIFIER		CMP25	39	A
COMPASS	SA7	A1+B1			CMP25	40	A
COMPASS	SST1	SA1	CHAR		COMPASS	10815	A
COMPASS	SB7	X1-1R			COMPASS	10816	A
COMPASS	ZR	B7,SST2	IF END OF LIST		COMPASS	10817	I
-CMP25							
COMPASS	ZR	B7,SST7	IF END OF LIST		CMP25	41	A
COMPASS	RJ	SCLIST	FETCH NEXT ITEM		COMPASS	10818	A
COMPASS	ZR	X6,SST1	IGNORE EMPTY FIELD		COMPASS	10819	A
COMPASS	SA1	P1TEMPA			COMPASS	10820	I
-CMP25							
COMPASS	SA1	P1TEMP			CMP25	42	A
COMPASS	SA6	X1+RELVEC	STORE SYMBOL NAME		COMPASS	10821	A
COMPASS	SX7	X1+B1			COMPASS	10822	A
COMPASS	SA7	A1			COMPASS	10823	A
COMPASS	EQ	SST1	LOOP		COMPASS	10824	A
COMPASS	SST2	SA1	L.SSYMS	CHECK FOR TABLE PRESENT	COMPASS	10825	I
-CMP25							
COMPASS	ZR	X1,CTL70	IF EMPTY		COMPASS	10826	I
-CMP25							
COMPASS	SST3	SX6	X1-2	DECREMENT COUNT	COMPASS	10827	I
-CMP25							
COMPASS	SA6	P1TEMP			COMPASS	10828	I
-CMP25							
COMPASS	SA1	O.SSYMS			COMPASS	10829	I
-CMP25							
COMPASS	IX2	X1+X6			COMPASS	10830	I
-CMP25							
COMPASS	SA1	X2			COMPASS	10831	I
-CMP25							
COMPASS	SA2	P1TEMPA			COMPASS	10832	I
-CMP25							
COMPASS	SST3	SA2	O.SSYMS		CMP25	43	A
COMPASS	IX1	X1+X2			CMP25	44	A
COMPASS	SA1	X1	NEXT SYSTEM SYMBOL		CMP25	45	A
COMPASS	SA2	P1TEMP			CMP25	46	A
COMPASS	SA6	A2+B1			CMP25	47	A
COMPASS	SST4	ZR	X2,SST5	IF END OF IGNORE TABLE	COMPASS	10833	A
COMPASS	SA4	X2+RELVEC-1			CMP25	48	A
COMPASS	SX2	X2-1			COMPASS	10834	A
COMPASS	SA3	X2+RELVEC			COMPASS	10835	I
-CMP25							
COMPASS	IX6	X1-X3			COMPASS	10836	I
-CMP25							
COMPASS	BX6	X1-X4			CMP25	49	A
COMPASS	NZ	X6,SST4	IF NOT IGNORED		COMPASS	10837	A
COMPASS	EQ	SST6			COMPASS	10838	A
COMPASS	SST5	SA2	A1+B1		COMPASS	10839	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS		MX3	0		COMPASS	10840	A
COMPASS		BX4	X4-X4		COMPASS	10841	A
COMPASS		MX5	1	SET SST BIT	COMPASS	10842	A
COMPASS		BX6	X2		CMP30	3434	A
COMPASS		AX6	36-3	POSITION SYSTEXT ORDINAL	CMP30	3435	A
COMPASS		BX5	X5+X6		CMP30	3436	A
COMPASS		RJ	YDEFSYM		COMPASS	10843	A
COMPASS	SST6	SA1	P1TEMP		COMPASS	10844	I
-CMP25							
COMPASS		NZ	X1,SST3	LOOP TO END OF TABLE	COMPASS	10845	I
-CMP25							
COMPASS		NZ	X6,SST6	IF BAD SYMBOL	CMP25	50	A
COMPASS		SA1	SSTCNT		CMP25	51	A
COMPASS		SX6	X1+B1	BUMP DEFINED SYSTEM SYMBOL COUNT	CMP25	52	A
COMPASS		SA6	A1		CMP25	53	A
COMPASS		EQ	SST7		CMP25	54	A
COMPASS	SST6	SA1	0.SSYMS	CLOSE UP SYSTEM SYMBOL TABLE SO	CMP25	55	A
COMPASS		SA2	P1TEMPA	IT CONTAINS ONLY IGNORED ENTRIES	CMP25	56	A
COMPASS		SA3	A2+B1		CMP25	57	A
COMPASS		SB7	X1		CMP25	58	I
-CMP041							
COMPASS		SB7	X1-2		CMP041	26	A
COMPASS		SA1	X2+B7		CMP25	59	A
COMPASS		SA2	A1+B1		CMP25	60	A
COMPASS		SX4	X3+2		CMP041	27	A
COMPASS		N0			CMP041	28	A
COMPASS		BX6	X1		CMP25	61	A
COMPASS		LX7	X2		CMP25	62	A
COMPASS		SA6	X3+B7		CMP25	63	I
-CMP041							
COMPASS		SA6	X4+B7		CMP041	29	A
COMPASS		SA7	A6+B1		CMP25	64	A
COMPASS		SX6	X3+2		CMP25	65	I
-CMP041							
COMPASS		BX6	X4		CMP041	30	A
COMPASS		SA6	A3		CMP25	66	A
COMPASS	SST7	SA1	P1TEMPA		CMP25	67	A
COMPASS		SA2	L.SSYMS		CMP25	68	A
COMPASS		SX6	X1+2		CMP25	69	A
COMPASS		IX2	X1-X2		CMP25	70	A
COMPASS		NZ	X2,SST3	LOOP TO END OF SYSTEM SYMBOL TABLE	CMP25	71	A
COMPASS		RJ	ASU	ACCUMULATE STORAGE USED	CMP042	263	A
COMPASS		SA1	P1TEMPB		CMP25	72	A
COMPASS		SA2	LCMSYM		CMP30	3437	A
COMPASS		SA3	QVAL+1	STORE NEW L.SSYMS AND	CMP25	73	A
COMPASS		BX6	X1	RESTORE QUALIFIER	CMP25	74	A
COMPASS		LX7	X3		CMP25	75	A
COMPASS		SA6	A2		CMP25	76	I
-CMP042							
COMPASS		SA6	L.SSYMS		CMP042	264	A
COMPASS		SA7	A3-B1		CMP25	77	A
COMPASS		ZR	X2,CTL300	IF SYSTEM SYMBOLS NOT IN LCM	CMP30	3438	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS		MX6	0			CMP30	3439	A
COMPASS		SA6	A6	CLEAR	SCM TABLE	CMP30	3440	A
COMPASS		SA6	SSTCNT			CMP30	3441	A
COMPASS		EQ	CTL300	RETURN		COMPASS	10846	A
COMPASS	SST	SPACE	4			COMPASS	10847	A
COMPASS	**	SST	-SYSTEM	SYMBOL TABLE.		COMPASS	10848	A
COMPASS						COMPASS	10849	A
COMPASS						COMPASS	10850	A
COMPASS		QUAL	PASS2			COMPASS	10851	A
COMPASS	SST	EQU	ZLIST			COMPASS	10852	A
COMPASS	STEXT	SPACE	4			COMPASS	10853	A
COMPASS	***	STEXT	-	GENERATE	A SYSTEXT RECORD.	COMPASS	10854	A
COMPASS	*					COMPASS	10855	A
COMPASS	*					COMPASS	10856	A
COMPASS	*RNAME	STEXT				COMPASS	10857	A
COMPASS	*	GENERATE	A SYSTEMS	TEXT RECORD FOR THIS PROGRAM.	ALL SYMBOLS	COMPASS	10858	A
COMPASS	*	AND ALL PROGRAM	MACROS ARE WRITTEN IN AN OVERLAY	FORMAT AT		COMPASS	10859	A
COMPASS	*	THE END OF PASS1.	THIS RECORD CAN BE LOADED BY COMPASS.			COMPASS	10860	A
COMPASS	*	IF (RNAME) IS NON-BLANK,	THE SYSTEXT RECORD IS WRITTEN			COMPASS	10861	A
COMPASS	*	WITH NAME (RNAME) AND THE	NORMAL BINARY FROM THE PROGRAM			COMPASS	10862	A
COMPASS	*	IS GENERATED.				COMPASS	10863	A
COMPASS						COMPASS	10864	A
COMPASS						COMPASS	10865	A
COMPASS		QUAL	PASS1			COMPASS	10866	A
COMPASS	STEXT	SA1	LOCSYM			COMPASS	10867	A
COMPASS		SA2	BADLOC			COMPASS	10868	A
COMPASS		ZR	X2,STX1	IF LOCATION	NOT BAD	COMPASS	10869	A
COMPASS		SX6	B1			COMPASS	10870	A
COMPASS		SA6	LERR			COMPASS	10871	A
COMPASS		SA6	EFLG			COMPASS	10872	A
COMPASS	STX1	NZ	X1,STX2	IF ALTERNATE	RECORD OUTPUT	COMPASS	10873	A
COMPASS		SA1	IDNAM			COMPASS	10874	A
COMPASS	STX2	RJ	LJUST			COMPASS	10875	A
COMPASS		SA7	SYNAME			COMPASS	10876	A
COMPASS		EQ	CTL70			COMPASS	10877	A
COMPASS	STEXT	SPACE	4			COMPASS	10878	A
COMPASS	**	STEXT	-	GENERATE	A SYSTEXT RECORD.	COMPASS	10879	A
COMPASS						COMPASS	10880	A
COMPASS						COMPASS	10881	A
COMPASS		QUAL	PASS2			COMPASS	10882	A
COMPASS	STEXT	SA1	LOCSYM			COMPASS	10883	A
COMPASS		ZR	X1,ZLIST	IF NO ALTERNATE	NAME	COMPASS	10884	A
COMPASS		MX6	0			COMPASS	10885	A
COMPASS		SA6	SYNAME			COMPASS	10886	A
COMPASS		EQ	ZLIST	RETURN		COMPASS	10887	A
COMPASS	STOPDUP	SPACE	4			COMPASS	10888	A
COMPASS	***	STOPDUP	-	STOP	DUPLICATION.	COMPASS	10889	A
COMPASS	*					COMPASS	10890	A
COMPASS	*					COMPASS	10891	A
COMPASS	*	STOPDUP				COMPASS	10892	A
COMPASS	*	STOPS	DUPLICATION AT END OF	CURRENT	ITERATION.	COMPASS	10893	A
COMPASS						COMPASS	10894	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	RJ	SNT	COMPASS	10939	A
COMPASS	EQ	CTL70	COMPASS	10940	A
COMPASS	TITLE	SPACE 4	COMPASS	10941	A
COMPASS	**	TITLE - TITLING.	COMPASS	10942	A
COMPASS			COMPASS	10943	A
COMPASS			COMPASS	10944	A
COMPASS	QUAL	PASS2	COMPASS	10945	A
COMPASS	TITLE	SA3	COMPASS	10946	A
COMPASS	ZR	X3,TIT1	COMPASS	10947	I
-CMP036					
COMPASS	SA1	SUBTIT	COMPASS	10948	I
-CMP036					
COMPASS	RJ	SNT	COMPASS	10949	I
-CMP036					
COMPASS	TIT1	SA3	COMPASS	10950	I
-CMP036					
COMPASS	SX6	B1	COMPASS	10951	I
-CMP036					
COMPASS	SA6	A3	COMPASS	10952	I
-CMP036					
COMPASS	ZR	X3,TIT2	COMPASS	10953	I
-CMP036					
COMPASS	SA4	LIBFLG	P036	40	CMP036
COMPASS	BX6	X3+X4	P036	41	CMP036
COMPASS	SX7	B1	P036	42	CMP036
COMPASS	NZ	X6,TIT1	P036	43	CMP036
COMPASS	SA7	A3	P036	44	CMP036
COMPASS	SA7	CTYPE	P036	45	CMP036
COMPASS	EQ	ZLIST	P036	46	CMP036
COMPASS	TIT1	SA1	P036	47	CMP036
COMPASS	RJ	SNT	P036	48	CMP036
COMPASS	NZ	X6,Z100	P036	49	CMP036
COMPASS	RJ	TLIST	COMPASS	10954	A
COMPASS	SA1	LPCNT	COMPASS	10955	A
COMPASS	SA2	PSIZE	COMPASS	10956	I
-CPSA181					
COMPASS	SA2	NEJF	CPSA181	22	A
COMPASS	IX7	X1+X2	COMPASS	10957	A
COMPASS	SA7	A1	COMPASS	10958	A
COMPASS	NZ	X2,ZLIST	COMPASS	10959	A
COMPASS	SX0	4	COMPASS	10960	A
COMPASS	RJ	LBL	COMPASS	10961	A
COMPASS	EQ	ZLIST	COMPASS	10962	A
COMPASS	TIT2	SX6	COMPASS	10963	I
-CMP036					
COMPASS	SA6	CTYPE	COMPASS	10964	I
-CMP036					
COMPASS	EQ	ZLIST	COMPASS	10965	I
-CMP036					
COMPASS	TTL	SPACE 4	COMPASS	10966	A
COMPASS	***	TTL - MAIN TITLE.	COMPASS	10967	A
COMPASS	*		COMPASS	10968	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	NZ	B7,*+2		COMPASS	11014	A
COMPASS	SB2	B1	SET COMMON FLAG	COMPASS	11015	A
COMPASS	RJ	GETCH	AND THROW AWAY THE SLASH	COMPASS	11016	A
COMPASS	RJ	SCLIST	SCAN OFF NAME	COMPASS	11017	A
COMPASS	NZ	X6,*+1	CHANGE EMPTY NAME TO BLANK	COMPASS	11018	I
-CMP30						
COMPASS	SX6	1R		COMPASS	11019	I
-CMP30						
COMPASS	SB7	X6-1R0		COMPASS	11020	A
COMPASS	+	NZ	B7,*+1	COMPASS	11021	I
-CMP30						
COMPASS	ZR	X6,USE8	CHANGE EMPTY OR 0 NAME TO BLANK	CMP30	3446	A
COMPASS	NZ	B7,USE9		CMP30	3447	A
COMPASS	USE8	SA1	P1TEMP	CMP30	3448	A
COMPASS	SX6	1R	ERROR IF USELCM 0 OR BLANK	COMPASS	11022	A
COMPASS	+	ZR	B2,USE6	COMPASS	11023	I
-CMP30						
COMPASS	MI	X1,USEA		CMP30	3449	A
COMPASS	USE9	ZR	B2,USE6	CMP30	3450	A
			IF NOT COMMON			
COMPASS	MX0	-6		COMPASS	11024	A
COMPASS	BX1	-X0*X6		COMPASS	11025	A
COMPASS	SX1	X1-1R/		COMPASS	11026	A
COMPASS	ZR	X1,USE7	IF TRAILING BLANK	COMPASS	11027	I
-CMP30						
COMPASS	SX7	B1		COMPASS	11028	I
-CMP30						
COMPASS	ZR	X1,USE7	IF TRAILING SLASH	CMP30	3451	A
COMPASS	USEA	SX7	B1	CMP30	3452	A
COMPASS	SA7	EFLG		COMPASS	11029	A
COMPASS	SA7	AERR		COMPASS	11030	A
COMPASS	EQ	USE6		COMPASS	11031	A
COMPASS	USE7	AX6	6	COMPASS	11032	A
COMPASS	USE6	SB7	X6-1R*	COMPASS	11033	A
COMPASS		ZR	B7,USEPR	COMPASS	11034	A
COMPASS	SA6	P1TEMP	SAVE BLOCK NAME	COMPASS	11035	I
-CMP30						
COMPASS	SA1	P1TEMP		CMP30	3453	A
COMPASS	BX6	X6-X1	COMPLEMENT NAME IF LCM	CMP30	3454	A
COMPASS	SX7	B2		COMPASS	11036	A
COMPASS	SA6	A1	SAVE BLOCK NAME	CMP30	3455	A
COMPASS	SA7	A6+B1	AND COMMONALITY	COMPASS	11037	A
COMPASS	USEL	SA2	0.USETAB	COMPASS	11038	I
-CMP30						
COMPASS	SA2	0.USETAB	SEARCH FOR BLOCK NAME	CMP30	3456	A
COMPASS	SA3	L.USETAB		COMPASS	11039	A
COMPASS	SA1	UI		COMPASS	11040	A
COMPASS	IX2	X2+X1		COMPASS	11041	A
COMPASS	IX3	X3-X1		COMPASS	11042	A
COMPASS	SB6	-6		COMPASS	11043	I
-CMP30						
COMPASS	SB6	-4		CMP30	3457	A
COMPASS	SA2	X2		COMPASS	11044	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SB7	X3+B6	COMPASS	11045	A			
COMPASS	USE3	BX4	X2-X6	TEST BLOCK	COMPASS	11046	A	
COMPASS	SA2	A2-B6	COMPASS	11047	A			
COMPASS	SB7	B7+B6	COMPASS	11048	A			
COMPASS	SB3	B3+B1	COMPASS	11049	A			
COMPASS	ZR	X4,USE5	IF NAME FOUND IN TABLE	COMPASS	11050	I		
-CMP30								
COMPASS	NZ	X4,USE4	CMP30	3458	A			
COMPASS	PL	X4,USE5	IF NAME FOUND IN TABLE	CMP30	3459	A		
COMPASS	USE4	PL	B7,USE3	KEEP LOOKING	COMPASS	11051	A	
COMPASS	SA1	UI+1	NEW BLOCK NUMBER	COMPASS	11052	I		
-CPS176								
COMPASS	SX7	X1+B3	COMPASS	11053	I			
-CPS176								
COMPASS	SB4	X7-255	COMPASS	11054	I			
-CMP1	-CPS176							
COMPASS	SB4	X7-256	CMP1	4	I			
-CPS176								
COMPASS	SA7	P1TEMPB	COMPASS	11055	I			
-CPS176								
COMPASS	PL	B4,USEF	IF THIS IS 255TH BLOCK	COMPASS	11056	I		
-CMP26	-CPS176							
COMPASS	PL	B4,USEF	IF THIS IS 256TH BLOCK	CMP26	29	I		
-CPS176								
COMPASS	SA7	USECNT	UPDATE COUNT OF USED BLOCKS	COMPASS	11057	I		
-CPS176								
COMPASS	SA7	A1+B1	CMP30	3460	I			
-CPS176								
COMPASS	SB4	B1+B1	CPS176	5	A			
COMPASS	AX7	B4,X1	NUMBER OF BLOCKS PRIOR TO PRESENT GROUP.	CPS176	6	A		
COMPASS	SA1	UI+1	PRESENT BLOCK NUMBER.	CPS176	7	A		
COMPASS	SX6	X1+B3	NEW BLOCK NUMBER.	CPS176	8	A		
COMPASS	SA6	P1TEMPB	SAVE NEW BLOCK NUMBER.	CPS176	9	A		
COMPASS	IX1	X6-X7	NEW BLOCK NUMBER IN PRESENT BLOCK GROUP.	CPS176	10	I		
-RSM4159								
COMPASS	SB4	X1-256	CPS176	11	I			
-RSM4159								
COMPASS	SB4	X6-256	RSM4159	19	A			
COMPASS	PL	B4,USEF	IF 256TH BLOCK IN PRESENT BLOCK GROUP.	CPS176	12	A		
COMPASS	SA6	USECNT	UPDATE COUNT OF USED BLOCKS.	CPS176	13	I		
-RSM4159								
COMPASS	SA6	A1+B1	CPS176	14	A			
COMPASS			CPS176	15	A			
COMPASS	MANAGE	USETAB,-B6	AUGMENT USETAB FOR NEW BLOCK	COMPASS	11058	A		
COMPASS	SB7	X3-6		COMPASS	11059	I		
-CMP30								
COMPASS	SB7	X3-4	CMP30	3461	A			
COMPASS	SA3	P1TEMP	RECLAIM BLOCK NAME	COMPASS	11060	A		
COMPASS	SA4	A3+B1	AND COMMONALITY	COMPASS	11061	A		
COMPASS	BX6	X3	COMPASS	11062	A			
COMPASS	LX7	X4	COMPASS	11063	A			
COMPASS	SA6	X2+B7	COMPASS	11064	A			
0	1	2	3	4	5	6	7	8
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS		SA3	LWORD		COMPASS	11065	A	
1	COMPASS		BX6	X3		COMPASS	11066	A	1
2	COMPASS		LX6	24		COMPASS	11067	A	2
3	COMPASS		SA6	A6+B1		COMPASS	11068	A	3
4	COMPASS		SA7	A6+B1	BLOCK COUNTER AND COMMONALITY	COMPASS	11069	A	4
5	COMPASS		MX6	0		COMPASS	11070	A	5
6	COMPASS		SA6	A7+B1		COMPASS	11071	A	6
7	COMPASS		MANAGE	RVTAB,1*1	AUGMENT RVTAB FOR NEW BLOCK	CPS2672	32	A	7
8	COMPASS		SB7	X3-1*1	PRESET NEW ENTRY TO ZERO	CPS2672	33	A	8
9	COMPASS		MX6	0		CPS2672	34	A	9
10	COMPASS		SA6	X2+B7		CPS2672	35	A	10
11	COMPASS		EQ	USE1		COMPASS	11072	A	11
12	COMPASS	USE5	SA3	A2-4	FETCH THIRD WORD OF BLOCK	COMPASS	11073	I	12
13		-CMP30							13
14	COMPASS	USE5	SA3	A2-2	FETCH COMMONALITY OF USETAB ENTRY	CMP30	3462	A	14
15	COMPASS		SA1	P1TEMP+1	FETCH COMMON FLAG	COMPASS	11074	A	15
16	COMPASS		BX4	X3-X1	CHECK IF COMMON FLAG SET	COMPASS	11075	A	16
17	COMPASS		LX4	59		COMPASS	11076	A	17
18	COMPASS		PL	X4,USEOLD	USE OLD BLOCK	COMPASS	11077	A	18
19	COMPASS		EQ	USE4		COMPASS	11078	A	19
20	COMPASS					COMPASS	11079	A	20
21	COMPASS	*		ENTRY ON USE FOR OLD BLOCK NAME.		COMPASS	11080	A	21
22	COMPASS					COMPASS	11081	A	22
23	COMPASS	USEOLD	SB4	B3-B1		COMPASS	11082	A	23
24	COMPASS		NE	B4,B1,USEOLD1	IF NOT 0 BLOCK	COMPASS	11083	A	24
25	COMPASS		SA4	ABSFG		COMPASS	11084	A	25
26	COMPASS		ZR	X4,USEOLD1		COMPASS	11085	A	26
27	COMPASS		SA2	A2-B6		COMPASS	11086	A	27
28	COMPASS		SB3	B3-B1		COMPASS	11087	A	28
29	COMPASS	USEOLD1	SA2	A2-4	FETCH COMMONALITY	COMPASS	11088	I	29
30		-CMP30							30
31	COMPASS	USEOLD1	SA2	A2-2	FETCH COMMONALITY	CMP30	3463	A	31
32	COMPASS		SA1	UI+1		COMPASS	11089	A	32
33	COMPASS		SB3	B3-B1		COMPASS	11090	A	33
34	COMPASS		SX6	X1+B3		COMPASS	11091	A	34
35	COMPASS		SX7	B2		COMPASS	11092	A	35
36	COMPASS		BX7	X7+X2		COMPASS	11093	A	36
37	COMPASS		SA6	P1TEMPB		COMPASS	11094	A	37
38	COMPASS		SA7	A6-B1		COMPASS	11095	A	38
39	COMPASS					COMPASS	11096	A	39
40	COMPASS	*		ALL USE-S EXCEPT USE *.		COMPASS	11097	A	40
41	COMPASS					COMPASS	11098	A	41
42	COMPASS	USE1	RJ	USES	CREATE USTACK ENTRY	COMPASS	11099	A	42
43	COMPASS					COMPASS	11100	A	43
44	COMPASS	*		USE * REJOINS HERE.		COMPASS	11101	A	44
45	COMPASS					COMPASS	11102	A	45
46	COMPASS	USE2	RJ	USER	SWITCH TO NEW BLOCK	COMPASS	11103	A	46
47	COMPASS		EQ	CTL70		COMPASS	11104	A	47
48	COMPASS					COMPASS	11105	A	48
49	COMPASS	*		ENTRY ON USE *.		COMPASS	11106	A	49
50	COMPASS					COMPASS	11107	A	50
51	COMPASS	USEPR	SA2	0.USTACK		COMPASS	11108	I	51

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP042

1	COMPASS	USEPR	RJ	ASU	ACCUMULATE STORAGE USED	CMP042	265	I	1	
2		-CMP30							2	
3	COMPASS		SA2	O.USTACK		CMP042	266	I	3	
4		-CMP30							4	
5	COMPASS		SA3	L.USTACK		COMPASS	11109	I	5	
6		-CMP30							6	
7	COMPASS		SB7	X3-1		COMPASS	11110	I	7	
8		-CMP30							8	
9	COMPASS		SA4	X2+B7	FETCH INDEX OF OLD ENTRY	COMPASS	11111	I	9	
10		-CMP30							10	
11	COMPASS		BX6	X4		COMPASS	11112	I	11	
12		-CMP30							12	
13	COMPASS		NZ	X3,USEPR1	JUMP IF AN OLD BLOCK EXISTED	COMPASS	11113	I	13	
14		-CMP30							14	
15	COMPASS	USEPR	SA1	USESTK	PUSH UP USE STACK	CMP30	3464	A	15	
16	COMPASS		RJ	PULL		CMP30	3465	A	16	
17	COMPASS		NZ	X6,USEPR1	IF STACK WAS NOT EMPTY	CMP30	3466	A	17	
18	COMPASS		SA4	ABSFG	SUPPLY BLOCK 2-ABSFG	COMPASS	11114	A	18	
19	COMPASS		SA5	UI+1		COMPASS	11115	A	19	
20	COMPASS		SX5	X5+B1		COMPASS	11116	A	20	
21	COMPASS		IX6	X5-X4		COMPASS	11117	A	21	
22	COMPASS		SB7	B0		COMPASS	11118	I	22	
23		-CMP30							23	
24	COMPASS	USEPR1	SA6	P1TEMPB	STORE NEW BLOCK NUMBER	COMPASS	11119	A	24	
25	COMPASS		SX7	B7	DECREMENT USTACK	COMPASS	11120	I	25	
26		-CMP30							26	
27	COMPASS		IX4	X6+X6		COMPASS	11121	I	27	
28		-CMP30							28	
29	COMPASS		LX5	X4,B1		COMPASS	11122	I	29	
30		-CMP30							30	
31	COMPASS		SA7	A3	RESET USTACK LENGTH	COMPASS	11123	I	31	
32		-CMP30							32	
33	COMPASS		IX4	X5+X4	FETCH OLD COMMONALITY	COMPASS	11124	I	33	
34		-CMP30							34	
35	COMPASS		LX6	2		CMP30	3467	A	35	
36	COMPASS		SA2	O.USETAB		COMPASS	11125	A	36	
37	COMPASS		SA4	UI		RSM4159	20	A	37	
38	COMPASS		IX2	X2+X4	BASE ADDRESS OF BLOCK GROUP	RSM4159	21	A	38	
39	COMPASS		SB7	X4-4		COMPASS	11126	I	39	
40		-CMP30							40	
41	COMPASS		SB7	X6-2	COMMONALITY	CMP30	3468	A	41	
42	COMPASS		SA4	X2+B7		COMPASS	11127	A	42	
43	COMPASS		SX6	B2		COMPASS	11128	A	43	
44	COMPASS		BX7	X6+X4		COMPASS	11129	A	44	
45	COMPASS		SA7	A6-B1		COMPASS	11130	A	45	
46	COMPASS		EQ	USE2		COMPASS	11131	A	46	
47	COMPASS	USELCM	SPACE	4		COMPASS	11132	A	47	
48	COMPASS	***	USELCM	- BLOCK ASSIGNMENT.			COMPASS	11133	A	48
49	COMPASS	*					COMPASS	11134	A	49
50	COMPASS	*					COMPASS	11135	A	50
51	COMPASS	*	USELCM NAME				COMPASS	11136	A	51

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

1	COMPASS	*	ASSEMBLE FOLLOWING INSTRUCTIONS INTO LCM BLOCK (NAME).			COMPASS	11137	A		
2	COMPASS	*				CMP30	3469	A		
3	COMPASS	*	BLOCKNAME		TYPE	CMP30	3470	A		
4	COMPASS	*				CMP30	3471	A		
5	COMPASS	*	0		ERROR	CMP30	3472	A		
6	COMPASS	*	BLANK		ERROR	CMP30	3473	A		
7	COMPASS	*	*		BLOCK PRIOR TO LATEST USE/USELCM/ORG/ORG	CMP30	3474	A		
8	COMPASS	*	//		LCM BLANK COMMON	CMP30	3475	A		
9	COMPASS	*	/NAME/		LCM LABELED COMMON	CMP30	3476	A		
10	COMPASS	*	NAME		LCM NAMED LOCAL	CMP30	3477	A		
11	COMPASS					COMPASS	11138	A		
12	COMPASS					COMPASS	11139	A		
13	COMPASS					COMPASS	11140	A		
14	COMPASS	USELCM	QUAL	PASS1		COMPASS	11141	A		
15	COMPASS		SA1	MACHINE		COMPASS	11142	A		
16	COMPASS		NZ	X1,CTL80	*0* ERROR IF PP	COMPASS	11143	A		
17	COMPASS		RJ	SCLIST	SCAN OFF NAME	COMPASS	11144	I		
18	COMPASS	-CMP30								
19	COMPASS		ZR	X6,ERA	IF BLANK NAME	COMPASS	11144	I		
20	COMPASS	-CMP30								
21	COMPASS		SB7	X6-1R*		COMPASS	11145	I		
22	COMPASS	-CMP30								
23	COMPASS		ZR	B7,USEPR	IF USELCM *	COMPASS	11146	I		
24	COMPASS	-CMP30								
25	COMPASS		BX6	-X6		COMPASS	11147	I		
26	COMPASS	-CMP30								
27	COMPASS		SX7	B1	SET COMMON TYPE	COMPASS	11148	I		
28	COMPASS	-CMP30								
29	COMPASS		SA6	P1TEMP	SAVE BLOCK NAME	COMPASS	11149	I		
30	COMPASS	-CMP30								
31	COMPASS		SA7	A6+B1		COMPASS	11150	I		
32	COMPASS	-CMP30								
33	COMPASS		MX6	60		CMP30	3478	A		
34	COMPASS		SA6	P1TEMP	SET LCM FLAG	CMP30	3479	A		
35	COMPASS		EQ	USEL		COMPASS	11151	A		
36	COMPASS	USE	SPACE	4		COMPASS	11152	A		
37	COMPASS	**	USE	BLOCK ASSIGNMENT.			COMPASS	11153	A	
38	COMPASS					COMPASS	11154	A		
39	COMPASS					COMPASS	11155	A		
40	COMPASS		QUAL	PASS2		COMPASS	11156	A		
41	COMPASS	USE	RJ	USER		COMPASS	11157	A		
42	COMPASS		EQ	ZLIST		COMPASS	11158	A		
43	COMPASS	USELCM	SPACE	4		COMPASS	11159	A		
44	COMPASS	**	USELCM	BLOCK ASSIGNMENT.			COMPASS	11160	A	
45	COMPASS					COMPASS	11161	A		
46	COMPASS					COMPASS	11162	A		
47	COMPASS		QUAL	PASS2		COMPASS	11163	A		
48	COMPASS	USELCM	SA1	AERR		COMPASS	11164	A		
49	COMPASS		NZ	X1,ZLIST	IF ERROR IN PASS 1	COMPASS	11165	A		
50	COMPASS		EQ	USE		COMPASS	11166	A		
51	COMPASS	USES	SPACE	4		COMPASS	11167	A		
52	COMPASS	**	USES	CREATE STACK ENTRY FOR USE AND ORG PSEUDOS IN USTACK.			COMPASS	11168	I	
53	COMPASS	-CMP30								
54		0	1	2	3	4	5	6	7	8
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	*	STORES CURRENT VALUE OF ORGCTR+1 INTO USTACK AND TRUNCATES					COMPASS	11169	I
COMPASS	-CMP30						COMPASS	11170	I
COMPASS	-CMP30						COMPASS	11170	I
COMPASS	**	USES - CREATE PUSHDOWN STACK ENTRY FOR USE AND ORG PSEUDOS.					CMP30	3480	A
COMPASS							COMPASS	11171	A
COMPASS							COMPASS	11172	A
COMPASS	USES	QUAL PS	PASS1	RETURN EXIT		COMPASS	11173	A	
COMPASS		MANAGE	USTACK,1			COMPASS	11174	A	
COMPASS							COMPASS	11175	I
COMPASS	-CMP30						COMPASS	11176	I
COMPASS	-CMP30	SB7	X3-1			COMPASS	11176	I	
COMPASS	-CMP30	SA1	ORGCTR+1			COMPASS	11177	I	
COMPASS	-CMP30						COMPASS	11177	I
COMPASS	+	NZ	X1,*+1			COMPASS	11178	I	
COMPASS	-CMP30						COMPASS	11178	I
COMPASS	-CMP30	SA1	UI+1			COMPASS	11179	I	
COMPASS	-CMP30						COMPASS	11179	I
COMPASS	+	BX6	X1			COMPASS	11180	I	
COMPASS	-CMP30						COMPASS	11180	I
COMPASS	-CMP30	SB6	B7-50			COMPASS	11181	I	
COMPASS	-CMP30						COMPASS	11181	I
COMPASS	-CMP30	SA6	X2+B7	STORE OLD BLOCK NUMBER		COMPASS	11182	I	
COMPASS	-CMP30						COMPASS	11182	I
COMPASS	-CMP30	NG	B6,USES	AND EXIT IF LESS THAN 50 ENTRIES		COMPASS	11183	I	
COMPASS	-CMP30						COMPASS	11183	I
COMPASS	-CMP30	SX6	X2+B1	ADJUST USTACK TO KEEP LAST 50		COMPASS	11184	I	
COMPASS	-CMP30						COMPASS	11184	I
COMPASS	-CMP30	SX7	B7	ENTRIES		COMPASS	11185	I	
COMPASS	-CMP30						COMPASS	11185	I
COMPASS	-CMP30	SA6	A2			COMPASS	11186	I	
COMPASS	-CMP30						COMPASS	11186	I
COMPASS	-CMP30	SA7	A3			COMPASS	11187	I	
COMPASS	-CMP30						COMPASS	11187	I
COMPASS		SA2	ORGCTR+1			CMP30	3481	A	
COMPASS		SA1	USESTK			CMP30	3482	A	
COMPASS	+	NZ	X2,*+1	IF NOT ABSOLUTE		CMP30	3483	A	
COMPASS		SA2	UI+1			CMP30	3484	A	
COMPASS	+	BX6	X2			CMP30	3485	A	
COMPASS		RJ	PUSH	PUSH DOWN USE STACK		CMP30	3486	A	
COMPASS		EQ	USES			COMPASS	11188	A	
COMPASS	USER	SPACE	4			COMPASS	11189	A	
COMPASS	**	USER - SWITCH TO NEW BLOCK FOR USE/ORG.					COMPASS	11190	A
COMPASS	*	ENTRY OLD BLOCK INFORMATION IN ACTIVE CELLS NOTED BELOW.					COMPASS	11191	A
COMPASS	*	(P1TEMPB) = NEW BLOCK NUMBER.					COMPASS	11192	A
COMPASS	*	(P1TEMPA) = NEW BLOCKS COMMONALITY.					COMPASS	11193	A
COMPASS	*	CELLS WHICH ARE RECORDED AND RE-SET ARE...					COMPASS	11194	A
COMPASS	*	ORGCTR	ORGCTR+1			COMPASS	11195	A	
COMPASS	*	LOCCTR	LOCCTR+1	(NOT RECORDED, JUST SET)		COMPASS	11196	A	
COMPASS	*	NFOUP	POSCTR			COMPASS	11197	A	
COMPASS	*	ALSO CREATES FLAG FOR COMMUNICATION WITH ZUSER IN PASS 2.					COMPASS	11198	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	*	FLAG (59-24) = OLD BLOCK NUMBER.				COMPASS	11199	I
1	-CMP30							
2	COMPASS	*	FLAG (59)	=	CONDITIONAL LOAD FLAG.	CMP30	3487	A
3	COMPASS	*	FLAG (58-24)	=	OLD BLOCK NUMBER.	CMP30	3488	A
4	COMPASS	*	FLAG (23-00)	=	NEW BLOCK NUMBER.	COMPASS	11200	A
5	COMPASS					COMPASS	11201	A
6	COMPASS					COMPASS	11202	A
7	COMPASS		QUAL	PASS1		COMPASS	11203	A
8	COMPASS	USER	PS		RETURN EXIT	COMPASS	11204	A
9	COMPASS		SA1	ORGCTR+1	OLD BLOCK NUMBER	COMPASS	11205	A
10	COMPASS		SA2	0.USETAB		COMPASS	11206	A
11	COMPASS		NZ	X1,*+1	CHANGE ABSOLUTE ORIGIN TO 1	COMPASS	11207	A
12	COMPASS		SA1	UI+1		COMPASS	11208	A
13	COMPASS	+	SA3	P1TEMPB	NEW BLOCK NUMBER	COMPASS	11209	A
14	COMPASS		SA4	UI		RSM4159	22	A
15	COMPASS		IX2	X2+X4	BASE ADDRESS OF BLOCK GROUP	RSM4159	23	A
16	COMPASS		LX1	24		COMPASS	11210	A
17	COMPASS		BX6	X1+X3		COMPASS	11211	A
18	COMPASS		LX4	X1,B1		COMPASS	11212	I
19	-CMP30							
20	COMPASS		IX1	X4+X1		COMPASS	11213	I
21	-CMP30							
22	COMPASS		SA6	FLAG		COMPASS	11214	A
23	COMPASS		AX1	23		COMPASS	11215	I
24	-CMP30							
25	COMPASS		SB6	X1	INDEX+6 OF OLD USETAB ENTRY	COMPASS	11216	I
26	-CMP30							
27	COMPASS		SX2	X2-5		COMPASS	11217	I
28	-CMP30							
29	COMPASS		LX6	X3,B1		COMPASS	11218	I
30	-CMP30							
31	COMPASS		IX4	X6+X6		COMPASS	11219	I
32	-CMP30							
33	COMPASS		IX1	X4+X6		COMPASS	11220	I
34	-CMP30							
35	COMPASS		SB5	X1		COMPASS	11221	I
36	-CMP30							
37	COMPASS		AX1	24-2		CMP30	3489	A
38	COMPASS		SB6	X1	INDEX+4 OF OLD USETAB ENTRY	CMP30	3490	A
39	COMPASS		SX2	X2-3		CMP30	3491	A
40	COMPASS		LX3	2		CMP30	3492	A
41	COMPASS		SB5	X3	INDEX+4 OF NEW USETAB ENTRY	CMP30	3493	A
42	COMPASS		SA4	NFOUP		COMPASS	11222	A
43	COMPASS		SA5	POSCTR		COMPASS	11223	A
44	COMPASS		SA1	ORGCTR	ORIGIN COUNTER VALUE	COMPASS	11224	A
45	COMPASS		LX4	3+20		COMPASS	11225	A
46	COMPASS		BX6	X4+X1		COMPASS	11226	A
47	COMPASS		SA4	CLF	CONDITIONAL LOAD FLAG	CMP30	3494	A
48	COMPASS		BX0	X5		COMPASS	11227	A
49	COMPASS		LX5	24		COMPASS	11228	A
50	COMPASS		BX6	X6+X4		CMP30	3495	A
51	COMPASS		IX7	X5+X6		COMPASS	11229	A
52								
53	0	1	2	3	4	5	6	7
54	1234567890123456789012345678901234567890123456789012345678901234567890							
55								
56								
57								
58								
59								
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA7	X2+B6	STORE OLD COUNTERS	COMPASS	11230	A
COMPASS	SA5	A7+2	FETCH OLD MAXIMUM BLOCK SIZE	COMPASS	11231	A
COMPASS	SA4	LWORD		COMPASS	11232	A
COMPASS	AX3	2		CMP30	3496	A
COMPASS	IX6	X0-X4		COMPASS	11233	A
COMPASS +	SX4	B1		COMPASS	11234	A
COMPASS	ZR	X6,*+1	IF POSITION COUNTER = LWGRD	COMPASS	11235	A
COMPASS	IX1	X1+X4	INCREMENT ORGCTR	COMPASS	11236	A
COMPASS	IX7	X5-X1		COMPASS	11237	A
COMPASS	BX6	X1		COMPASS	11238	A
COMPASS +	SX1	B1		COMPASS	11239	A
COMPASS	PL	X7,*+1		COMPASS	11240	A
COMPASS	SA6	A5	STORE NEW MAXIMUM BLOCK SIZE	COMPASS	11241	A
COMPASS +	SA2	X2+B5	PICK UP NEW COUNTERS	COMPASS	11242	A
COMPASS	SA5	UI+1		COMPASS	11243	A
COMPASS +	IX7	X3-X5		COMPASS	11244	A
COMPASS	NZ	X7,*+1		COMPASS	11245	A
COMPASS	SX3	B0	CHANGE BLOCK 1 TO ABSOLUTE ORIGIN	COMPASS	11246	A
COMPASS	SA4	FLAG		CMP30	3497	A
COMPASS	MX0	1		CMP30	3498	A
COMPASS	BX7	X0*X2		CMP30	3499	A
COMPASS	IX6	X7+X4		CMP30	3500	A
COMPASS	SA7	CLF	NEW CONDITIONAL LOAD FLAG	CMP30	3501	A
COMPASS	SA6	A4		CMP30	3502	A
COMPASS	BX7	X3		COMPASS	11247	A
COMPASS	MX0	39		COMPASS	11248	A
COMPASS	BX6	-X0*X2		COMPASS	11249	A
COMPASS	SA7	A1+B1	NEW ORGCTR RELOCATION	COMPASS	11250	A
COMPASS	SA6	A1	NEW ORGCTR VALUE	COMPASS	11251	A
COMPASS	AX2	23		COMPASS	11252	A
COMPASS	SA7	LOCCTR+1		COMPASS	11253	A
COMPASS	SA6	A7-B1		COMPASS	11254	A
COMPASS	AX3	X2,B1		CMP30	3503	A
COMPASS	BX7	X2*X1		COMPASS	11255	A
COMPASS	AX6	X2,B1		COMPASS	11256	I
-CMP30						
COMPASS	SX6	X3		CMP30	3504	A
COMPASS	SA7	NFOUP	NEW NFOUP	COMPASS	11257	A
COMPASS	SA6	POSCTR	NEW POSCTR	COMPASS	11258	A
COMPASS	EQ	USER		COMPASS	11259	A
COMPASS				COMPASS	11260	A
COMPASS *			ENTRY ON USETAB OVERFLOW.	COMPASS	11261	A
COMPASS				COMPASS	11262	A
COMPASS				COMPASS	11262	A
COMPASS USEF	SX6	B1	NOTE ERROR	COMPASS	11263	A
COMPASS	SA6	EFLG		COMPASS	11264	A
COMPASS	SA6	FERR		COMPASS	11265	A
COMPASS	SA1	ORGCTR	AND CREATE NULL USE	COMPASS	11266	A
COMPASS	BX6	X1		COMPASS	11267	A
COMPASS	SA2	A1+B1		COMPASS	11268	A
COMPASS	LX7	X2		COMPASS	11269	A
COMPASS	SA6	LOCCTR		COMPASS	11270	A
COMPASS	SA7	A6+B1		COMPASS	11271	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	LX2	24	COMPASS	11272	A			
COMPASS	BX6	X2+X7	COMPASS	11273	A			
COMPASS	SA6	FLAG	COMPASS	11274	A			
COMPASS	EQ	CTL70	COMPASS	11275	A			
COMPASS	USER	SPACE 4	COMPASS	11276	A			
COMPASS	**	USER - SWITCH TO NEW BLOCK FOR USE/ORG/END.	COMPASS	11277	A			
COMPASS	*	ENTRY INFORMATION ASSUMED IN FLAG.	COMPASS	11278	A			
COMPASS	*	USER SWAPS THE FOLLOWING INFORMATION FOR THE TWO BLOCKS.	COMPASS	11279	A			
COMPASS	*		COMPASS	11280	A			
COMPASS	*	ORGCTR ORGCTR+1	COMPASS	11281	A			
COMPASS	*	LOCCTR LOCCTR+1 (NOT SAVED)	COMPASS	11282	A			
COMPASS	*	POSCTR NFOUP	COMPASS	11283	A			
COMPASS	*	BINWORD BINREL	COMPASS	11284	A			
COMPASS	*	MINORG MAXORG (SET, NOT SAVED)	COMPASS	11285	I			
-CMP30								
COMPASS	*	MINORG CLF MAXORG (SET, NOT SAVED)	CMP30	3505	A			
COMPASS	*	ALSO FORCES MAXORG = 0 IF GOING TO COMMON BLOCK (NAME = 0).	COMPASS	11286	A			
COMPASS	*	IN RELOCATABLE ASSEMBLY TO CATCH BLANK COMMON	COMPASS	11287	A			
COMPASS	*	RESETS BINARY ORIGIN (RESORG).	COMPASS	11288	A			
COMPASS			COMPASS	11289	A			
COMPASS			COMPASS	11290	A			
COMPASS			COMPASS	11291	A			
COMPASS	USER	PS RETURN EXIT	COMPASS	11292	A			
COMPASS	SA1	FLAG STORE CURRENT INFORMATION IN USETAB	COMPASS	11293	A			
COMPASS	AX1	22	COMPASS	11294	I			
-CMP30								
COMPASS	AX0	X1,B1	COMPASS	11295	I			
-CMP30								
COMPASS	IX3	X0+X1	COMPASS	11296	I			
-CMP30								
COMPASS	SX1	X3-6	COMPASS	11297	I			
-CMP30								
COMPASS	SB2	B1+B1	COMPASS	11298	I			
-CMP30								
COMPASS	SA2	0.USETAB	COMPASS	11299	I			
-CMP30								
COMPASS	SB7	X2	COMPASS	11300	I			
-CMP30								
COMPASS	IX6	X2+X1 0.USETAB + CURRENT BLOCK NUMBER	COMPASS	11301	I			
-CMP30								
COMPASS	MX4	39	COMPASS	11302	I			
-CMP30								
COMPASS	SA3	POSCTR FORM WORD 2 OF USETAB - POSCTR	COMPASS	11303	I			
-CMP30								
COMPASS	LX3	1	COMPASS	11304	I			
-CMP30								
COMPASS	SA5	NFOUP	COMPASS	11305	I			
-CMP30								
COMPASS	BX7	X5+X3	COMPASS	11306	I			
-CMP30								
COMPASS	LX7	23	COMPASS	11307	I			
-CMP30								
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	LX7	1				CMP30	3516	A
COMPASS	BX6	X7+X5				CMP30	3517	A
COMPASS	BX7	-X0*X4				CMP30	3518	A
COMPASS	LX6	23				CMP30	3519	A
COMPASS	SA4	BINWORD	FOURTH WORD OF USETAB ENTRY -	BINWORD		CMP30	3520	A
COMPASS	BX6	X6+X7				CMP30	3521	A
COMPASS	SA5	ABSFG				CMP30	3522	A
COMPASS	BX7	X4				CMP30	3523	A
COMPASS	SA6	X2+B7				CMP30	3524	A
COMPASS	SA7	A6+2				CMP30	3525	A
COMPASS	LX1	24-2				CMP30	3526	A
COMPASS	NZ	X5,USER1	IF ABSOLUTE ASSEMBLY			CMP30	3527	A
COMPASS	SA3	A3+B1				CMP30	3528	A
COMPASS	SA4	A3+B1				CMP30	3529	A
COMPASS	SA5	0.RELTAB	SAVE PARTIAL BINARY RELOCATION			CMP30	3530	A
COMPASS	SX7	B7-B1	IN RELTAB ENTRY			CMP30	3531	A
COMPASS	AX7	1				CMP30	3532	A
COMPASS	SB7	X7				CMP30	3533	A
COMPASS	BX6	X3				CMP30	3534	A
COMPASS	LX7	X4				CMP30	3535	A
COMPASS	SA6	X5+B7				CMP30	3536	A
COMPASS	SA7	A6+B1				CMP30	3537	A
COMPASS	SB7	X1-1	GET NEW PARTIAL BINARY RELOCATION			CMP30	3538	A
COMPASS	SB7	B7+B7				CMP30	3539	A
COMPASS	SA5	X5+B7				CMP30	3540	A
COMPASS	SA4	A5+B1				CMP30	3541	A
COMPASS	BX6	X5				CMP30	3542	A
COMPASS	LX7	X4				CMP30	3543	A
COMPASS	SA6	A3				CMP30	3544	A
COMPASS	SA7	A3+B1				CMP30	3545	A
COMPASS	USER1	SX3	X1-1	GET NEW BLOCK INFORMATION FROM USETAB		CMP30	3546	A
COMPASS	LX3	2				CMP30	3547	A
COMPASS	SB7	X3+B1				CMP30	3548	A
COMPASS	SA1	X2+B7	SECOND WORD OF USETAB ENTRY -			CMP30	3549	A
COMPASS	BX6	-X0*X1	BINREL, POSCTR, NFOUP, ORGCTR			CMP30	3550	A
COMPASS	AX1	23				CMP30	3551	A
COMPASS	SA6	ORGCTR				CMP30	3552	A
COMPASS	MX4	-1				CMP30	3553	A
COMPASS	SA6	LOCCTR				CMP30	3554	A
COMPASS	BX7	-X4*X1				CMP30	3555	A
COMPASS	AX1	1				CMP30	3556	A
COMPASS	SA7	NFOUP				CMP30	3557	A
COMPASS	SX6	X1				CMP30	3558	A
COMPASS	AX1	18				CMP30	3559	A
COMPASS	SX7	X1				CMP30	3560	A
COMPASS	SA6	POSCTR				CMP30	3561	A
COMPASS	SA7	BINREL				CMP30	3562	A
COMPASS	SA1	A1+B1	THIRD WORD OF USETAB ENTRY			CMP30	3563	A
COMPASS	SA2	A1+B1	FOURTH WORD OF USETAB ENTRY -	BINWORD		CMP30	3564	A
COMPASS	MX4	-8				CMP30	3565	A
COMPASS	BX6	-X0*X1				CMP30	3566	A
COMPASS	LX7	X2				CMP30	3567	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	SA6	MINORG			CMP30	3568	A	
1	COMPASS	SA7	BINWORD			CMP30	3569	A	
2	COMPASS	AX1	24			CMP30	3570	A	
3	COMPASS	BX6	-X4*X1			CMP30	3571	A	
4	COMPASS	AX1	9			CMP30	3572	A	
5	COMPASS	BX7	X1			CMP30	3573	A	
6	COMPASS	SA6	ORGCTR+1			CMP30	3574	A	
7	COMPASS	SA7	MAXORG			CMP30	3575	A	
8	COMPASS	SA6	LOCCTR+1			CMP30	3576	A	
9	COMPASS	SA2	A1-2	FIRST WORD OF USETAB ENTRY - BLOCK NAME		CMP30	3577	A	
10	COMPASS	MX6	0			CMP30	3578	A	
11	COMPASS	SA1	ABSFG			COMPASS	11354	A	
12	COMPASS	PL	X2,ZUSR1	IF NOT LCM		COMPASS	11355	A	
13	COMPASS	BX2	-X2			COMPASS	11356	A	
14	COMPASS	ZR	X1,ZUSR3	IF RELOCATABLE		COMPASS	11357		I
15	-CPSA070								
16	COMPASS	SA6	A7	SET MAXORG = 0		COMPASS	11358		I
17	-CPSA070								
18	COMPASS	NZ	X1,ZUSR1A	IF ABSOLUTE		CPSA070	CPSA070	5	A
19	COMPASS	NZ	X2,ZUSR3	IF NOT BLANK COMMON		CPSA070	CPSA070	6	A
20	COMPASS	SX2	2R//			CPSA070	CPSA070	7	A
21	COMPASS	SA6	A7+	SET MAXORG = 0		CPSA070	CPSA070	8	A
22	COMPASS	EQ	ZUSR3			CPSA070	CPSA070	9	A
23	COMPASS					CPSA070	CPSA070	10	A
24	COMPASS	ZUSR1A	SA6	A7+	SET MAXORG = 0	CPSA070	CPSA070	11	A
25	COMPASS	ZUSR1	NZ	X2,ZUSR2	IF NOT BLANK COMMON		COMPASS	11359	A
26	COMPASS	SX2	2R//				COMPASS	11360	A
27	COMPASS	NZ	X1,ZUSR3	IF ABSOLUTE			COMPASS	11361	A
28	COMPASS	SA6	A7	SET MAXORG = 0			COMPASS	11362	A
29	COMPASS	ZUSR2	SX6	A2-B7	CHECK BLOCK NUMBER		COMPASS	11363	
30	-CMP30								I
31	COMPASS	ZUSR2	SA4	0.USETAB		CMP30	3579	A	
32	COMPASS		SA3	UI		COMPASS	11364	A	
33	COMPASS		IX4	X4+X3	BASE ADDRESS OF BLOCK GROUP	RSM4159	26	A	
34	COMPASS		IX6	X6-X3		COMPASS	11365		I
35	-CMP30								
36	COMPASS		SX6	X6-18		COMPASS	11366		I
37	-CMP30								
38	COMPASS		SB7	X4+3*4		CMP30	3580	A	
39	COMPASS		SX5	A2-B7		CMP30	3581	A	
40	COMPASS		IX6	X5-X3		CMP30	3582	A	
41	COMPASS		PL	X6,ZUSR3	IF NOT PROGRAM* OR ABSOLUTE*	COMPASS	11367	A	
42	COMPASS		MX2	0		COMPASS	11368	A	
43	COMPASS	ZUSR3	BX1	X2	SET BLOCK NAME IN SUB-SUBTITLE	COMPASS	11369	A	
44	COMPASS		RJ	LJUST		COMPASS	11370	A	
45	COMPASS		SA6	UNAME		COMPASS	11371	A	
46	COMPASS		RJ	DBSSZ		COMPASS	11372	A	
47	COMPASS		SA1	FLAG	RESET CONDITIONAL LOAD FLAG	CMP30	3583	A	
48	COMPASS		MX4	1		CMP30	3584	A	
49	COMPASS		BX6	X4*X1		CMP30	3585	A	
50	COMPASS		SA6	CLF		CMP30	3586	A	
51	COMPASS		EQ	USER		COMPASS	11373	A	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	VFD	SPACE	4	COMPASS	11374	A		
COMPASS	***	VFD - FIELD DEFINITION.		COMPASS	11375	A		
COMPASS	*			COMPASS	11376	A		
COMPASS	*			COMPASS	11377	A		
COMPASS	*SYM	VFD ITEM1/EXP1,ITEM2/EXP2,,,,ITEMN/EXPN		COMPASS	11378	A		
COMPASS	*	(SYM) IN THE LOCATION FIELD ASSIGNS THE SUBFIELDS BEGINNING		COMPASS	11379	A		
COMPASS	*	IN A NEW WORD. A *-* IN THE LOCATION FIELD POSITIONS		COMPASS	11380	A		
COMPASS	*	THE COUNTER AT THE NEXT QUARTER WORD BOUNDARY IN A CP		COMPASS	11381	A		
COMPASS	*	ASSEMBLY. (ITEM) IS A SINGLE FIELD BIT COUNT, PREVIOUSLY		COMPASS	11382	A		
COMPASS	*	DEFINED AND ABSOLUTE, MAXIMUM VALUE OF 60. IF (EXP) IS		COMPASS	11383	A		
COMPASS	*	NOT ABSOLUTE, THE FIELD MUST BE AT LEAST 18 BITS LONG, ENDING		COMPASS	11384	A		
COMPASS	*	AT BIT NUMBER 0, 15, OR 30.		COMPASS	11385	A		
COMPASS				COMPASS	11386	A		
COMPASS				COMPASS	11387	A		
COMPASS		QUAL	PASS1	COMPASS	11388	A		
COMPASS	VFD	SA2	LOCSYM	COMPASS	11389	I		
-CPSA288								
COMPASS	VFD	SA1	LWORD	SET FIELD SIZE FOR GENERATED DATA	CPSA288	106	A	
COMPASS		SA2	VWORD	= LWORD FOR ALL ASSEMBLIES EXCEPT FOR	CPSA288	107	A	
COMPASS		IX6	X1-X2	180 PPU ASSEMBLIES WITH *S* OPTION	CPSA288	108	A	
COMPASS		SA6	WWORD		CPSA288	109	A	
COMPASS	VFD.0	SA2	LOCSYM	COMMON CODE FOR *VFD* AND *VFDL*	CPSA288	110	A	
COMPASS		SA3	NFOUP		COMPASS	11390	A	
COMPASS		BX2	X3+X2		COMPASS	11391	A	
COMPASS		ZR	X2,VFD1		COMPASS	11392	A	
COMPASS		MX1	0		COMPASS	11393	A	
COMPASS		RJ	YPRLOC		COMPASS	11394	A	
COMPASS	VFD1	SX6	B0		COMPASS	11395	A	
COMPASS		SX7	B1		COMPASS	11396	A	
COMPASS		SA6	FLAG	CUMULANT FIELD COUNT	COMPASS	11397	A	
COMPASS		SA7	P1TEMP	ERROR FLAG	COMPASS	11398	A	
COMPASS	VFD2	SA1	CHAR		COMPASS	11399	A	
COMPASS		SB7	X1-1R		COMPASS	11400	A	
COMPASS		ZR	B7,VFD3	QUIT ON BLANK	COMPASS	11401	A	
COMPASS		MX6	0		COMPASS	11402	A	
COMPASS		SA6	EXERR		COMPASS	11403	A	
COMPASS		SA1	MBASE	SET NUMBER BASE	COMPASS	11404	A	
COMPASS		BX6	X1		COMPASS	11405	A	
COMPASS		SA1	NBASE	SAVE NUMBER BASE	COMPASS	11406	A	
COMPASS		SA6	A1		COMPASS	11407	A	
COMPASS		BX6	X1		COMPASS	11408	A	
COMPASS		SA6	VFDA		COMPASS	11409	A	
COMPASS		SX1	15		COMPASS	11410	A	
COMPASS		RJ	YEVITEM	EVALUATE BIT COUNT	COMPASS	11411	A	
COMPASS		SA2	VFDA	RESTORE NUMBER BASE	COMPASS	11412	A	
COMPASS		BX6	X2		COMPASS	11413	A	
COMPASS		SA6	NBASE		COMPASS	11414	A	
COMPASS		SA2	ELREL		COMPASS	11415	A	
COMPASS		SA3	A2+B1	ELEXT GUARANTEE ABSOLUTE RESULT	COMPASS	11416	A	
COMPASS		IX2	X2+X3		COMPASS	11417	A	
COMPASS		SA4	A3+B1	ELREG	COMPASS	11418	A	
COMPASS		BX2	X2+X4		COMPASS	11419	A	
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS		SX6	B1		COMPASS	11420	A
COMPASS	+	ZR	X2,*+1		COMPASS	11421	A
COMPASS		SA6	EXERR	COMPLAIN IF NOT ABSOLUTE	COMPASS	11422	A
COMPASS		SA2	ELVAL		COMPASS	11423	A
COMPASS		SX3	61		COMPASS	11424	A
COMPASS		SB6	X1-1R/	CHECK FOR SLASH	COMPASS	11425	A
COMPASS		IX4	X2-X3	CHECK FOR EXCESSIVELY LONG	COMPASS	11426	A
COMPASS	+	ZR	X2,*+1	OR NEGATIVE	CMP041	31	A
COMPASS		MI	X2,*+2		CMP041	32	A
COMPASS	+	PL	X4,*+1	VFD BIT COUNT	COMPASS	11427	A
COMPASS		ZR	B6,*+2		COMPASS	11428	A
COMPASS		SA6	EXERR		COMPASS	11429	A
COMPASS	+	SA5	P1TEMP		COMPASS	11430	A
COMPASS		SA3	EXERR		COMPASS	11431	A
COMPASS		LX6	X5	ERROR FLAG	COMPASS	11432	A
COMPASS	+	ZR	X3,*+1		COMPASS	11433	A
COMPASS		SX6	B0	SET ERROR FLAG	COMPASS	11434	A
COMPASS		SA6	A5		COMPASS	11435	A
COMPASS		SA5	FLAG		COMPASS	11436	A
COMPASS		IX7	X5+X6	UP FIELD COUNT	COMPASS	11437	A
COMPASS		SA7	A5		COMPASS	11438	A
COMPASS		LX6	59		COMPASS	11439	A
COMPASS		AX6	59		COMPASS	11440	A
COMPASS		BX1	X6*X2		COMPASS	11441	A
COMPASS		RJ	UPPOS	CALL UPPOS(VFD BIT COUNT)	COMPASS	11442	I
-CPSA288							
COMPASS		RJ	GETCH	THROW AWAY SLASH	COMPASS	11443	I
-CPSA288							
COMPASS		MX0	59		CPSA288	111	A
COMPASS		SA5	POSCTR	(X2) = MIN(POSCTR,WWORD)	CPSA288	112	A
COMPASS		SA4	WWORD		CPSA288	113	A
COMPASS		IX2	X4-X5		CPSA288	114	A
COMPASS		BX5	X5-X4		CPSA288	115	A
COMPASS		AX2	59		CPSA288	116	A
COMPASS		BX5	-X2*X5		CPSA288	117	A
COMPASS		BX2	X5-X4		CPSA288	118	A
COMPASS		IX6	X2-X1	REDUCE POSITION COUNTER BY FIELD WIDTH	CPSA288	119	A
COMPASS		SA6	A5		CPSA288	120	A
COMPASS		SA3	WWORD	WORD LENGTH TO USE FOR VFD	CPSA288	121	A
COMPASS	VFD2A	PL	X6,VFD2B	IF STILL IN THIS WORD	CPSA288	122	A
COMPASS		SA4	ORGCTR	ADVANCE ORIGIN AND LOCATION COUNTERS	CPSA288	123	A
COMPASS		SA5	LOCCTR		CPSA288	124	A
COMPASS		IX6	X6+X3		CPSA288	125	A
COMPASS		IX7	X4-X0		CPSA288	126	A
COMPASS		SA7	A4		CPSA288	127	A
COMPASS		IX7	X5-X0		CPSA288	128	A
COMPASS		SA7	A5		CPSA288	129	A
COMPASS		SA6	A6		CPSA288	130	A
COMPASS		EQ	VFD2A	LOOP UNTIL *POSCTR* POSITIVE	CPSA288	131	A
COMPASS					CPSA288	132	A
COMPASS	VFD2B	RJ	GETCH	THROW AWAY SLASH	CPSA288	133	A
COMPASS		SA1	ELVAL		COMPASS	11444	A

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	RJ	SCAD	SKIP OVER ADDRESS FIELD	COMPASS	11445	A
1	COMPASS	SA1	POSCTR		CPS010	68	A
2	COMPASS	NZ	X1,VFD2	IF NOT END OF WORD	CPS010	69	A
3	COMPASS	RJ	YFOUP		CPS010	70	A
4	COMPASS	EQ	VFD2		COMPASS	11446	A
5	COMPASS	VFD3	SA2	P1TEMP	COMPASS	11447	A
6	COMPASS	SX6	B1		COMPASS	11448	A
7	COMPASS	NZ	X2,CTL65		COMPASS	11449	A
8	COMPASS	SA6	VERR	STORE V ERROR	COMPASS	11450	A
9	COMPASS	SA6	EFLG		COMPASS	11451	A
10	COMPASS	EQ	CTL65		COMPASS	11452	A
11	COMPASS				COMPASS	11453	A
12	COMPASS	VFDA	DATA	0	COMPASS	11454	A
13	COMPASS	VFD	SPACE	4	COMPASS	11455	A
14	COMPASS	**	VFD -	FIELD DEFINITION.	COMPASS	11456	A
15	COMPASS				COMPASS	11457	A
16	COMPASS				COMPASS	11458	A
17	COMPASS		QUAL	PASS2	COMPASS	11459	A
18	COMPASS	VFD	SA1	NFOUP	COMPASS	11460	I
19	-CPSA288						
20	COMPASS	VFD	SA1	LWORD	CPSA288	134	A
21	COMPASS		SA2	VWORD	CPSA288	135	A
22	COMPASS		IX7	X1-X2	CPSA288	136	A
23	COMPASS		BX6	X1	CPSA288	137	A
24	COMPASS		SA6	WWORD	CPSA288	138	A
25	COMPASS		SA7	A1	CPSA288	139	A
26	COMPASS		SA5	POSCTR	CPSA288	140	A
27	COMPASS		IX3	X7-X5	CPSA288	141	A
28	COMPASS		BX5	X5-X7	CPSA288	142	A
29	COMPASS		AX3	59	CPSA288	143	A
30	COMPASS		BX5	-X3*X5	CPSA288	144	A
31	COMPASS		BX7	X5-X7	CPSA288	145	A
32	COMPASS		SA7	A5	CPSA288	146	A
33	COMPASS	VFD.0	SA1	NFOUP	CPSA288	147	A
34	COMPASS		SA2	LOCSYM	COMPASS	11461	A
35	COMPASS		SA3	POSCTR	COMPASS	11462	A
36	COMPASS		SA4	LWORD	COMPASS	11463	A
37	COMPASS		BX1	X2+X1	COMPASS	11464	A
38	COMPASS		IX3	X4-X3	COMPASS	11465	A
39	COMPASS		MX6	0	COMPASS	11466	A
40	COMPASS		SX7	B1	COMPASS	11467	A
41	COMPASS		SA6	P2TEMP	COMPASS	11468	A
42	COMPASS		SA7	A6+B1	COMPASS	11469	A
43	COMPASS	+	ZR	X3,*+1	COMPASS	11470	A
44	COMPASS		ZR	X1,*+1+1	COMPASS	11471	A
45	COMPASS		MX1	0	COMPASS	11472	A
46	COMPASS		RJ	ZPRLOC	COMPASS	11473	A
47	COMPASS	ZVFD1	MX6	0	COMPASS	11474	A
48	COMPASS		SA2	POSCTR	COMPASS	11475	A
49	COMPASS		BX7	X2	COMPASS	11476	A
50	COMPASS		SA6	OPVAL	COMPASS	11477	A
51	COMPASS		SA7	P2TEMPB	COMPASS	11478	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	ZVFD2	SA1	CHAR	CHECK FOR END OF VFD	COMPASS	11479	A
COMPASS		SB7	X1-1R		COMPASS	11480	A
COMPASS		ZR	B7,ZVFD7		COMPASS	11481	A
COMPASS		SA1	MBASE	SET NUMBER BASE	COMPASS	11482	A
COMPASS		BX6	X1		COMPASS	11483	A
COMPASS		SA1	NBASE	SAVE NUMBER BASE	COMPASS	11484	A
COMPASS		SA6	A1		COMPASS	11485	A
COMPASS		BX6	X1		COMPASS	11486	A
COMPASS		SA6	ZVFDA		COMPASS	11487	A
COMPASS		SX1	15		COMPASS	11488	A
COMPASS		RJ	ZEITEM	EVALUATE BIT COUNT	COMPASS	11489	A
COMPASS		SA2	ZVFDA	RESTORE NUMBER BASE	COMPASS	11490	A
COMPASS		BX6	X2		COMPASS	11491	A
COMPASS		SA6	NBASE		COMPASS	11492	A
COMPASS		SA2	P2TEMP	INCREMENT FIELD COUNT	COMPASS	11493	A
COMPASS		SX6	X2+B1		COMPASS	11494	A
COMPASS		SX7	B1		COMPASS	11495	A
COMPASS		SA6	A2		COMPASS	11496	A
COMPASS		SA7	A2+B1	SET LIST FLAG	COMPASS	11497	A
COMPASS		SA3	FLAG	CHECK IF STILL VALID FIELD	COMPASS	11498	A
COMPASS		IX4	X3-X6		COMPASS	11499	A
COMPASS		MX7	0		COMPASS	11500	A
COMPASS	+	PL	X4,*+1		COMPASS	11501	A
COMPASS		SA7	ELVAL	CLEAR OUT FIELD WIDTH	COMPASS	11502	A
COMPASS		RJ	GETCH	THROW AWAY SLASH	COMPASS	11503	A
COMPASS		SA1	ELVAL		COMPASS	11504	A
COMPASS		BX6	X1	SAVE FIELD WIDTH	COMPASS	11505	A
COMPASS		SA6	P2TEMPC		COMPASS	11506	A
COMPASS		RJ	SCAD	SCAN ADDRESS FIELD	COMPASS	11507	A
COMPASS		SA5	EXREG	CHECK FOR A REGISTER	COMPASS	11508	A
COMPASS		SX6	B1		COMPASS	11509	A
COMPASS		ZR	X5,ZVFD3A		COMPASS	11510	A
COMPASS		SA6	AERR	*** REGISTER IN VFD FIELD	COMPASS	11511	A
COMPASS		SA6	EFLG		COMPASS	11512	A
COMPASS	ZVFD3A	SA3	P2TEMPC	MASK OUT EXPRESSION	COMPASS	11513	A
COMPASS		SA4	EXVAL		COMPASS	11514	A
COMPASS		SB6	59		COMPASS	11515	A
COMPASS		GT	B7,B6,ZVFD3		COMPASS	11516	I
COMPASS	-CMP30	SB7	X3		COMPASS	11517	A
COMPASS		GT	B7,B6,ZVFD3	IF 60-BIT FIELD	CMP30	3587	A
COMPASS		MX0	1		COMPASS	11518	A
COMPASS		SB6	B6-B7		COMPASS	11519	A
COMPASS		AX0	X0,B6		COMPASS	11520	A
COMPASS		BX6	-X0*X4		COMPASS	11521	A
COMPASS		SA6	A4	ADDRESS FIELD VALUE	COMPASS	11522	A
COMPASS	ZVFD3	SA2	POSCTR		COMPASS	11523	A
COMPASS		SA3	P2TEMPC		COMPASS	11524	I
COMPASS	-CMP30						
COMPASS		IX7	X2-X3		COMPASS	11525	A
COMPASS		PL	X7,ZVFD4	IF FIELD WILL FIT INTO THIS WORD	COMPASS	11526	A
COMPASS		BX7	-X7	PROCESS HIGH-ORDER BITS	COMPASS	11527	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SB7	X7	COMPASS	11528	I
-CMP30					
COMPASS	SA4	A4+B1	CMP30	3588	A
COMPASS	SA5	A4+B1	CMP30	3589	A
COMPASS	BX6	X4+X5	CMP30	3590	A
COMPASS	ZR	X6,ZVFD3B	CMP30	3591	A
COMPASS	SX6	B1	CMP30	3592	A
COMPASS	SA6	AERR	CMP30	3593	A
COMPASS	SA6	EFLG	CMP30	3594	A
COMPASS	ZVFD3B	SB7	CMP30	3595	A
COMPASS	SA7	A3	COMPASS	11529	A
COMPASS	SA4	EXVAL	COMPASS	11530	A
COMPASS	SA5	OPVAL	COMPASS	11531	A
COMPASS	AX1	X4,B7	COMPASS	11532	A
COMPASS	MX0	1	COMPASS	11533	A
COMPASS	SB6	B7-B1	COMPASS	11534	A
COMPASS	AX0	X0,B6	COMPASS	11535	A
COMPASS	BX1	-X0*X1	COMPASS	11536	A
COMPASS	BX6	X5+X1	COMPASS	11537	A
COMPASS	SA7	A3	COMPASS	11538	I
-CMP30					
COMPASS	SA6	A5	COMPASS	11539	A
COMPASS	MX7	0	COMPASS	11540	A
COMPASS	BX1	X6	COMPASS	11541	A
COMPASS	SA7	A2	COMPASS	11542	A
COMPASS	SX2	36	COMPASS	11543	A
COMPASS	SX5	B1+B1	COMPASS	11544	I
-F4820					
COMPASS	SA3	P2TEMPB	COMPASS	11545	I
-F4820					
COMPASS	SX4	3	COMPASS	11546	I
-F4820					
COMPASS	SA3	PPTYPE	F4820	699	A
COMPASS	SX5	B1+B1	F4820	700	A
COMPASS	PL	X3,ZVFD3C	F4820	701	A
COMPASS	SX6	X3+2	CPSA197	31	A
COMPASS	MI	X6,ZVFD3C	CPSA197	32	A
COMPASS	SX5	X5+B1	F4820	702	A
COMPASS	SX3	X3+B1	F4820	703	A
COMPASS	LX3	1	F4820	704	A
COMPASS	IX2	X2+X3	F4820	705	A
COMPASS	ZVFD3C	SA3	F4820	706	A
COMPASS	SB5	X3	CPSA288	148	A
COMPASS	SX4	X5+B1	F4820	707	A
COMPASS	IX3	X3+X5	COMPASS	11547	A
COMPASS	IX3	X3/X4	COMPASS	11548	A
COMPASS	SA4	MACHINE	COMPASS	11549	A
COMPASS	+	ZR	COMPASS	11550	I
-CPSA288					
COMPASS	SX2	25	COMPASS	11551	I
-F4820					
COMPASS	SX2	X2-11	F4820	708	I
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPSA288

1	COMPASS	RJ	PACK0	CALL PACK0(OPVAL,36-11*MACH,NBIT/3)	COMPASS	11552	I
2	-CPSA288						
3	COMPASS	ZR	X4,ZVFD3D	IF CPU	CPSA288	149	A
4	COMPASS	SX2	X2-11	ADJUST COLUMN FOR PP LISTINGS	CPSA288	150	A
5	COMPASS	SA4	LWORD		CPSA288	151	A
6	COMPASS	SA5	WWORD		CPSA288	152	A
7	COMPASS	IX5	X4-X5		CPSA288	153	A
8	COMPASS	ZR	X5,ZVFD3D	IF NOT USING ONLY LOWER 12 BITS IN WORD	CPSA288	154	A
9	COMPASS	SB5	B5-12		CPSA288	155	A
10	COMPASS	NZ	B5,ZVFD3D	IF LINE NOT BEGUN AT TOP OF WORD	CPSA288	156	A
11	COMPASS	SX3	X3+2	SET TO SHOW TWO LEADING ZEROS	CPSA288	157	A
12	COMPASS	ZVFD3D	RJ	PACK0	CPSA288	158	A
13				CALL PACK0 (OPVAL, 36-11*MACH, NBIT/3)			
14	COMPASS	SA1	OPVAL		COMPASS	11553	A
15	COMPASS	SA2	P2TEMPB		COMPASS	11554	A
16	COMPASS	SX3	B0		COMPASS	11555	A
17	COMPASS	BX4	X3		COMPASS	11556	A
18	COMPASS	RJ	BINOUT		COMPASS	11557	A
19	COMPASS	SX6	B0	CLEAR DETAIL FLAG	COMPASS	11558	A
20	COMPASS	SA6	DETFLG		COMPASS	11559	A
21	COMPASS	RJ	LISTERG	LIST THE LINE	COMPASS	11560	A
22	COMPASS	MX6	0		COMPASS	11561	A
23	COMPASS	SA6	LOCSYM		COMPASS	11562	A
24	COMPASS	SA6	OPVAL		COMPASS	11563	A
25	COMPASS	BX1	X6		COMPASS	11564	A
26	COMPASS	RJ	ZPRLOC		COMPASS	11565	A
27	COMPASS	SA1	POSCTR		COMPASS	11566	A
28	COMPASS	BX6	X1		COMPASS	11567	A
29	COMPASS	SA6	P2TEMPB	RESET POSITION ORIGIN	COMPASS	11568	A
30	COMPASS	EQ	ZVFD3A	RETURN FOR LOW ORDER PART	COMPASS	11569	A
31	COMPASS				COMPASS	11570	A
32	COMPASS	ZVFD4	SA7	A2	COMPASS	11571	A
33	COMPASS		SB7	X7	COMPASS	11572	A
34	COMPASS		SA2	EXVAL	COMPASS	11573	A
35	COMPASS		SA3	OPVAL	COMPASS	11574	A
36	COMPASS		LX4	X2,B7	COMPASS	11575	A
37	COMPASS		BX6	X4+X3	COMPASS	11576	A
38	COMPASS		SA6	A3	COMPASS	11577	A
39	COMPASS		SA2	EXREL	COMPASS	11578	A
40	COMPASS		SA3	A2+B1	COMPASS	11579	A
41	COMPASS		BX4	X2+X3	COMPASS	11580	A
42	COMPASS		ZR	X4,ZVFD5	COMPASS	11581	I
43	-CMP30						
44	COMPASS	SA2	P2TEMPC	VERIFY RELOCATABLIITY OF FIELD	COMPASS	11582	I
45	-CMP30						
46	COMPASS	SA3	POSCTR		COMPASS	11583	I
47	-CMP30						
48	COMPASS	SB7	X2-18		COMPASS	11584	I
49	-CMP30						
50	COMPASS	NG	B7,ZVFD4A	FIELD NOT LONG ENOUGH FOR RELOCAT.	COMPASS	11585	I
51	-CMP30						
52	COMPASS	ZR	X3,ZVFD6	POSCTR = 0	COMPASS	11586	I

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP30

1	COMPASS	-CMP30	SB7	X3-15		COMPASS	11587	I	1
2	COMPASS	-CMP30							2
3	COMPASS		SB6	X3-30		COMPASS	11588	I	3
4		-CMP30							4
5	COMPASS		ZR	B7,ZVFD6	POSCTR = 15	COMPASS	11589	I	5
6		-CMP30							6
7	COMPASS		ZR	B6,ZVFD6	POSCTR = 30	COMPASS	11590	I	7
8		-CMP30							8
9	COMPASS	ZVFD4A	SX6	B1	COMPLAIN	COMPASS	11591	I	9
10		-CMP30							10
11	COMPASS		SA6	AERR		COMPASS	11592	I	11
12		-CMP30							12
13	COMPASS		SA6	EFLG		COMPASS	11593	I	13
14		-CMP30							14
15	COMPASS	ZVFD5	SA2	POSCTR	CHECK FOR BOTTOM OF WORD	COMPASS	11594	I	15
16		-CMP30							16
17	COMPASS		NZ	X4,ZVFD6	IF NOT ABSOLUTE FIELD	CMP30	3596	A	17
18	COMPASS		SA2	POSCTR	CHECK FOR BOTTOM OF WORD	CMP30	3597	A	18
19	COMPASS		NZ	X2,ZVFD2		COMPASS	11595	A	19
20	COMPASS	ZVFD6	SA1	POSCTR	OUTPUT VALUES AT BOTTOM OF WORD OR	COMPASS	11596	A	20
21	COMPASS		MX0	58	AT RELOCATABLE FIELD	COMPASS	11597	A	21
22	COMPASS		SB2	X1		COMPASS	11598	A	22
23	COMPASS		IX2	X1/X0		COMPASS	11599	A	23
24	COMPASS		SA3	MACHINE		COMPASS	11600	A	24
25	COMPASS		SA4	PPTYPE		F4820	709	A	25
26	COMPASS	+	ZR	X3,*+1		COMPASS	11601	A	26
27	COMPASS		SX2	X2-11		COMPASS	11602	A	27
28	COMPASS		SA3	P2TEMPB		COMPASS	11603	A	28
29	COMPASS		SB5	X3		CPSA288	159	A	29
30	COMPASS		SA5	OPVAL		COMPASS	11604	A	30
31	COMPASS		SA1	A1		COMPASS	11605	A	31
32	COMPASS		IX3	X3-X1		COMPASS	11606	A	32
33	COMPASS		SX2	X2+36		COMPASS	11607	A	33
34	COMPASS		SX3	X3+2	ROUND UP	COMPASS	11608	I	34
35		-F4820							35
36	COMPASS	+	SX1	B1+B1		F4820	710	A	36
37	COMPASS		PL	X4,ZVFD6B	IF NOT HEX LISTING	F4820	711	A	37
38	COMPASS		SX6	X4+2		CPSA197	33	A	38
39	COMPASS		MI	X6,ZVFD6B	IF NOT HEX LISTING.	CPSA197	34	A	39
40	COMPASS		SX1	X1+B1		F4820	712	A	40
41	COMPASS		SX4	X4+B1		F4820	713	A	41
42	COMPASS		LX4	1		F4820	714	A	42
43	COMPASS		IX2	X2+X4		F4820	715	A	43
44	COMPASS	ZVFD6B	IX3	X3+X1	ROUND UP	F4820	716	A	44
45	COMPASS		SX0	X1+B1		F4820	717	I	45
46		-CPS0329							46
47	COMPASS		SX4	X1+B1	NUMBER OF BITS PER DIGIT	CPS0329	6	A	47
48	COMPASS		SX0	3	PREPARE VALUE FOR LISTING.	CPSA094	5	A	48
49	COMPASS		SX1	B2	NUMBER OF BITS LEFT AFTER THIS EXPRESSION.	CPSA094	6	A	49
50	COMPASS		IX1	X1/X0	NUMBER OF EMPTY COLUMNS LEFT.	CPSA094	7	A	50
51	COMPASS		SX0	3	DETERMINE NO. OF BITS TO SHIFT RIGHT.	CPSA094	8	A	51

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	BX2	X6		CMP30	3606	A
COMPASS	SB7	X1		CMP30	3607	A
COMPASS	IX6	X4+X1		CMP30	3608	A
COMPASS	SX3	B0		CMP30	3609	A
COMPASS	BX4	X4-X4		CMP30	3610	A
COMPASS	AX1	X5,B7		CMP30	3611	A
COMPASS	SA6	A4		CMP30	3612	A
COMPASS	RJ	BINOUT	OUTPUT ABSOLUTE FIELD	CMP30	3613	A
COMPASS	SA1	POSCTR		CMP30	3614	A
COMPASS	SA2	P2TEMPC		CMP30	3615	A
COMPASS	SA3	EXREL		CMP30	3616	A
COMPASS	SA4	A3+B1		CMP30	3617	A
COMPASS	IX7	X1-X2		CMP30	3618	A
COMPASS	SA5	OPVAL		CMP30	3619	A
COMPASS	SB7	X7		CMP30	3620	A
COMPASS	SA7	A1		CMP30	3621	A
COMPASS	ZVFD6A	BX6	X6-X6	CMP30	3622	A
COMPASS	AX1	X5,B7		COMPASS	11621	A
COMPASS	SA6	P2TEMPA		COMPASS	11622	A
COMPASS	RJ	BINOUT		COMPASS	11623	A
COMPASS	SX6	B0	CLEAR DETAIL FLAG	COMPASS	11624	A
COMPASS	SA6	DETFLG		COMPASS	11625	A
COMPASS	RJ	LISTERG		COMPASS	11626	A
COMPASS	SA1	POSCTR		COMPASS	11627	A
COMPASS	NZ	X1,ZVFD1		COMPASS	11628	A
COMPASS	RJ	ZPRLOC	PROCESS LOCATION AT TOP OF WORD	COMPASS	11629	A
COMPASS	EQ	ZVFD1		COMPASS	11630	A
COMPASS				COMPASS	11631	A
COMPASS	ZVFD7	SA2	P2TEMPA	COMPASS	11632	A
COMPASS		NZ	X2,ZVFD8	COMPASS	11633	A
COMPASS		SX1	1R	COMPASS	11634	A
COMPASS			CLEAR OCTAL ADDRESS	COMPASS	11634	A
COMPASS		SX2	OCTAL+8	COMPASS	11635	A
COMPASS		SX3	OCTAL+14	COMPASS	11636	A
COMPASS		RJ	PRESET	COMPASS	11637	A
COMPASS		SA3	VWORD	CPSA288	168	A
COMPASS		ZR	X3,Z100	CPSA288	169	A
COMPASS		SA4	WWORD	CPSA288	170	A
COMPASS			IF NOT CIPPU ,S	CPSA288	170	A
COMPASS			RESTORE *LWORD* TO ACTUAL WORD SIZE	CPSA288	170	A
COMPASS		BX7	X4	CPSA288	171	A
COMPASS		SA7	LWORD	CPSA288	172	A
COMPASS		SA7	POSCTR	CPSA288	173	A
COMPASS			RESET POSITION COUNTER TO UPPER	CPSA288	173	A
COMPASS		EQ	Z100	COMPASS	11638	A
COMPASS	ZVFD8	SA1	POSCTR	COMPASS	11639	A
COMPASS		SX7	3	COMPASS	11640	I
COMPASS	-F4820					
COMPASS		SA4	PPTYPE	F4820	718	A
COMPASS	+	SB5	B1+B1	F4820	719	A
COMPASS		SX2	36	F4820	720	A
COMPASS		PL	X4,ZVFD8A	F4820	721	A
COMPASS		SB7	X4+2	CPSA213	27	A
COMPASS		MI	B7,ZVFD8A	CPSA213	28	A
COMPASS			IF NOT HEX ASSEMBLY.	CPSA213	28	A
COMPASS		SX4	X4+B1	F4820	722	A
COMPASS		LX4	1	F4820	723	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS		IX2	X2+X4		F4820	724	A	
COMPASS		SB5	B5+B1		F4820	725	A	
COMPASS	ZVFD8A	SX7	B5+B1		F4820	726	A	
COMPASS		IX0	X1/X7		COMPASS	11641	A	
COMPASS		SA5	OPVAL		COMPASS	11642	A	
COMPASS		LX2	X0,B1		COMPASS	11643		I
	-F4820							
COMPASS		IX3	X2+X0		COMPASS	11644		I
	-F4820							
COMPASS		SX7	B5+B1		F4820	727	A	
COMPASS		DX3	X0*X7		F4820	728	A	
COMPASS		UX0	X0		F4820	729	A	
COMPASS		SB6	X3		COMPASS	11645	A	
COMPASS		AX1	X5,B6	POSITION VALUE	COMPASS	11646	A	
COMPASS		SX2	36		COMPASS	11647		I
	-F4820							
COMPASS		SA3	MACHINE		COMPASS	11648	A	
COMPASS	+	ZR	X3,*+1		COMPASS	11649	A	
COMPASS		SX2	25		COMPASS	11650		I
	-F4820							
COMPASS		SX2	X2-11		F4820	730	A	
COMPASS		IX2	X2-X0		COMPASS	11651	A	
COMPASS		SA3	P2TEMPB		COMPASS	11652	A	
COMPASS		SB3	X3		CPSA288	174	A	
COMPASS		SX4	X3+2		COMPASS	11653		I
	-F4820							
COMPASS		SX7	3		COMPASS	11654		I
	-F4820							
COMPASS		SX4	X3+B5		F4820	731	A	
COMPASS		SX7	B5+B1		F4820	732	A	
COMPASS		IX3	X4/X7		COMPASS	11655	A	
COMPASS		IX3	X3-X0		COMPASS	11656	A	
COMPASS		RJ	PACK0		COMPASS	11657		I
	-CPSA288							
COMPASS		SA4	LWORD		CPSA288	175	A	
COMPASS		SA5	WWORD		CPSA288	176	A	
COMPASS		IX5	X4-X5		CPSA288	177	A	
COMPASS		ZR	X5,ZVFD8B	IF NOT USING ONLY LOWER 12 BITS IN WORD	CPSA288	178	A	
COMPASS		SB3	B3-12		CPSA288	179	A	
COMPASS		NZ	B3,ZVFD8B	IF LINE NOT BEGUN AT TOP OF WORD	CPSA288	180	A	
COMPASS		SX3	X3+2	SET TO SHOW TWO LEADING ZEROS	CPSA288	181	A	
COMPASS	ZVFD8B	RJ	PACK0	PACK OCTAL DIGITS	CPSA288	182	A	
COMPASS		SA1	POSCTR		COMPASS	11658	A	
COMPASS		SB7	X1		COMPASS	11659	A	
COMPASS		SA4	OPVAL		COMPASS	11660	A	
COMPASS		SA3	P2TEMPB		COMPASS	11661	A	
COMPASS		IX2	X3-X1		COMPASS	11662	A	
COMPASS		AX1	X4,B7		COMPASS	11663	A	
COMPASS		MX3	0		COMPASS	11664	A	
COMPASS		BX4	X3		COMPASS	11665	A	
COMPASS		RJ	BINOUT		COMPASS	11666	A	
COMPASS		SX6	B0	CLEAR DETAIL FLAG	COMPASS	11667	A	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	SA6	DETFLG		COMPASS	11668	A
1	COMPASS	SA4	WWORD	RESTORE *LWORD* TO ACTUAL WORD SIZE	CPSA288	183	A
2	COMPASS	BX7	X4		CPSA288	184	A
3	COMPASS	SA7	LWORD		CPSA288	185	A
4	COMPASS	EQ	ZLISTG		COMPASS	11669	A
5	COMPASS				COMPASS	11670	A
6	COMPASS	ZVFDA	DATA	0	COMPASS	11671	A
7	COMPASS	VFDL	SPACE	4,10	CPSA288	186	A
8	COMPASS	***	VFDL	- FIELD DEFINITION.	CPSA288	187	A
9	COMPASS	*			CPSA288	188	A
10	COMPASS	*			CPSA288	189	A
11	COMPASS	*SYM	VFDL	ITEM1/EXP1,ITEM2/EXP2,...,ITEMN/EXPN	CPSA288	190	A
12	COMPASS	*		LEGAL ONLY FOR 180 PPU ASSEMBLIES. SAME AS VFD, EXCEPT IT	CPSA288	191	A
13	COMPASS	*		OVERRIDES THE 12-BIT FIELD SIZE SPECIFIED FOR 180 PPU	CPSA288	192	A
14	COMPASS	*		ASSEMBLIES BY (CIPPU ,S).	CPSA288	193	A
15	COMPASS				CPSA288	194	A
16	COMPASS		QUAL	PASS1	CPSA288	195	A
17	COMPASS	VFDL	SA1	PPTYPE	CPSA288	196	A
18	COMPASS		SX1	X1+3	CPSA288	197	A
19	COMPASS		ZR	X1,VFDL1 IF 180 PPU ASSEMBLY	CPSA288	198	A
20	COMPASS		SX6	B1 *VFDL* ILLEGAL, POST 0-ERROR	CPSA288	199	A
21	COMPASS		SA6	EFLG	CPSA288	200	A
22	COMPASS		SA6	OERR	CPSA288	201	A
23	COMPASS	VFDL1	SA1	LWORD SET WORD SIZE ALWAYS USE FULL WORD	CPSA288	202	A
24	COMPASS		BX6	X1	CPSA288	203	A
25	COMPASS		SA6	WWORD	CPSA288	204	A
26	COMPASS		EQ	VFD.0 GO TO COMMON *VFD* PROCESSING	CPSA288	205	A
27	COMPASS		SPACE	4,10	CPSA288	206	A
28	COMPASS	**	VFDL	- FIELD DEFINITION.	CPSA288	207	A
29	COMPASS				CPSA288	208	A
30	COMPASS				CPSA288	209	A
31	COMPASS		QUAL	PASS2	CPSA288	210	A
32	COMPASS	VFDL	SA1	LWORD SET WORD SIZE TO ALWAYS USE FULL WORD	CPSA288	211	A
33	COMPASS		BX6	X1	CPSA288	212	A
34	COMPASS		SA6	WWORD	CPSA288	213	A
35	COMPASS		EQ	VFD.0 GO TO COMMON *VFD* PROCESSING	CPSA288	214	A
36	COMPASS	XREF	SPACE	4	COMPASS	11672	A
37	COMPASS	***	XREF	- SET TYPE OF CROSS REFERENCE DESIRED.	COMPASS	11673	A
38	COMPASS	*			COMPASS	11674	A
39	COMPASS	*			COMPASS	11675	A
40	COMPASS	*	XREF	CHAR	COMPASS	11676	A
41	COMPASS	*	(CHAR)	= P SET PAGE/LINE CROSS REFERENCE.	COMPASS	11677	A
42	COMPASS	*		A SET ADDRESS CROSS REFERENCE.	COMPASS	11678	A
43	COMPASS	*		B SET BOTH PAGE/LINE AND ADDRESS.	COMPASS	11679	A
44	COMPASS				COMPASS	11680	A
45	COMPASS				COMPASS	11681	A
46	COMPASS		QUAL	PASS1	COMPASS	11682	A
47	COMPASS	XREF	SA1	CHAR	COMPASS	11683	A
48	COMPASS		SB3	X1-1RA	COMPASS	11684	A
49	COMPASS		NZ	B3,XREF1 IF NOT ADDRESS	COMPASS	11685	A
50	COMPASS		SX6	B0 SET ADDRESS	COMPASS	11686	A
51	COMPASS		EQ	XREF3	COMPASS	11687	A

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-CMP20

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP20

1	COMPASS	-CMP20	EQ	CTL70		COMPASS	11747	I	1
2									2
3	COMPASS	XTEXT1	REWIND	X		COMPASS	11748	I	3
4		-CMP20							4
5	COMPASS		RJ	SCITEM	GET RECORD NAME	COMPASS	11749	I	5
6		-CMP20							6
7	COMPASS		ZR	X6,XTEXT1A	IF NO NAME	COMPASS	11750	I	7
8		-CMP20							8
9	COMPASS		MX0	12	LEFT JUSTIFY NAME	COMPASS	11751	I	9
10		-CMP20							10
11	COMPASS	+	BX3	X0*X6		COMPASS	11752	I	11
12		-CMP20							12
13	COMPASS		LX6	6		COMPASS	11753	I	13
14		-CMP20							14
15	COMPASS		ZR	X3,*		COMPASS	11754	I	15
16		-CMP20							16
17	COMPASS		SA6	P1TEMPB		COMPASS	11755	I	17
18		-CMP20							18
19	COMPASS					COMPASS	11756	I	19
20		-CMP20							20
21	COMPASS	*		READ RANDOM INDEX AND SEARCH FOR RECORD.		COMPASS	11757	I	21
22		-CMP20							22
23	COMPASS					COMPASS	11758	I	23
24		-CMP20							24
25	COMPASS		SKIPEI	X	READ INDEX	COMPASS	11759	I	25
26		-CMP20							26
27	COMPASS		SKIPB	X,2		COMPASS	11760	I	27
28		-CMP20							28
29	COMPASS		READ	X		COMPASS	11761	I	29
30		-CMP20							30
31	COMPASS	XTX2	READW	X,VALUES,1		COMPASS	11762	I	31
32		-CMP20							32
33	COMPASS		ZR	X1,XTX12	IF NOT EOR READ	COMPASS	11763	I	33
34		-CMP20							34
35	COMPASS		EVICT	X,R		COMPASS	11764	I	35
36		-CMP20							36
37	COMPASS		ASSIGN	X		COMPASS	11765	I	37
38		-CMP20							38
39	COMPASS		SA1	X	CHECK ERROR RESPONSE	COMPASS	11766	I	39
40		-CMP20							40
41	COMPASS		SX2	X1		COMPASS	11767	I	41
42		-CMP20							42
43	COMPASS		AX2	10		COMPASS	11768	I	43
44		-CMP20							44
45	COMPASS		NZ	X2,XTEXTU	IF NO OPL FILE	COMPASS	11769	I	45
46		-CMP20							46
47	COMPASS		SKIPEI	X	READ INDEX	COMPASS	11770	I	47
48		-CMP20							48
49	COMPASS		SKIPB	X,2		COMPASS	11771	I	49
50		-CMP20							50
51	COMPASS		READ	X2		COMPASS	11772	I	51

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP20

1	COMPASS	READC	X,VALUES,9	COMPASS	11825	I
2	-CMP20					
3	COMPASS	NZ	X1,XTEXTU IF EOR OR EOF	CMP4	1	I
4	-CMP20					
5	COMPASS	SA1	VALUES CHECK IF OPLC	COMPASS	11826	I
6	-CMP20					
7	COMPASS	LX1	18	COMPASS	11827	I
8	-CMP20					
9	COMPASS	SX6	X1-770000B	COMPASS	11828	I
10	-CMP20					
11	COMPASS	NZ	X6,XTX10 IF NOT 7700 TABLE	COMPASS	11829	I
12	-CMP20					
13	COMPASS			COMPASS	11830	I
14	-CMP20					
15	COMPASS	*	READ MODIFY COMMON DECK.	COMPASS	11831	I
16	-CMP20					
17	COMPASS			COMPASS	11832	I
18	-CMP20					
19	COMPASS	LX1	6	COMPASS	11833	I
20	-CMP20					
21	COMPASS	READW	X,VALUES,X1 SKIP 7700 TABLE	COMPASS	11834	I
22	-CMP20					
23	COMPASS	READW	X,VALUES,1	COMPASS	11835	I
24	-CMP20					
25	COMPASS	NZ	X1,XTEXTF IF NO DATA	COMPASS	11836	I
26	-CMP20					
27	COMPASS	SA2	VALUES	COMPASS	11837	I
28	-CMP20					
29	COMPASS	LX2	18	COMPASS	11838	I
30	-CMP20					
31	COMPASS	SX6	X2-700200B	COMPASS	11839	I
32	-CMP20					
33	COMPASS	NZ	X6,XTEXTF IF FUNNY DATA	COMPASS	11840	I
34	-CMP20					
35	COMPASS	LX2	42	COMPASS	11841	I
36	-CMP20					
37	COMPASS	SX5	X2	COMPASS	11842	I
38	-CMP20					
39	COMPASS	ZR	X5,XTX6 IF NO CORRECTION IDENT TABLE	COMPASS	11843	I
40	-CMP20					
41	COMPASS	XTX5	READW X,VALUES,1 SKIP CORRECTION IDENT TABLE	COMPASS	11844	I
42	-CMP20					
43	COMPASS	NZ	X1,XTEXTF IF EOR	COMPASS	11845	I
44	-CMP20					
45	COMPASS	SX5	X5-1	COMPASS	11846	I
46	-CMP20					
47	COMPASS	NZ	X5,XTX5 LOOP	COMPASS	11847	I
48	-CMP20					
49	COMPASS	XTX6	MANAGE LASTAB,14 GET TABLE SPACE	COMPASS	11848	I
50	-CMP20					
51	COMPASS	XTX7	READC X,VALUES,NLITS SKIP CORRECTION HISTORY BYTES	COMPASS	11849	I

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP20

1	COMPASS	-CMP20	NZ	X1,XTX9	IF EOR	COMPASS	11850	I	1
2		-CMP20							2
3	COMPASS		SA1	VALUES		COMPASS	11851	I	3
4		-CMP20							4
5	COMPASS	-CMP20	NG	X1,XTX8	IF CARD IS ACTIVE	COMPASS	11852	I	5
6		-CMP20							6
7	COMPASS	-CMP20	READC	X,VALUES,14	SKIP CARD	COMPASS	11853	I	7
8		-CMP20							8
9	COMPASS	-CMP20	EQ	XTX7		COMPASS	11854	I	9
10		-CMP20							10
11	COMPASS	XTX8	READC	X,VALUES,14	READ CARD INTO TABLE	COMPASS	11855	I	11
12		-CMP20							12
13	COMPASS	-CMP20	RJ	PTC	PACK TEXT CARD	COMPASS	11856	I	13
14		-CMP20							14
15	COMPASS	-CMP20	EQ	XTX7	LOOP	COMPASS	11857	I	15
16		-CMP20							16
17	COMPASS	XTX9	MANAGE	LASTAB,-14		COMPASS	11858	I	17
18		-CMP20							18
19	COMPASS	-CMP20	EQ	XTEXT3		COMPASS	11859	I	19
20		-CMP20							20
21	COMPASS					COMPASS	11860	I	21
22		-CMP20							22
23	COMPASS	*	READ	TEXT.		COMPASS	11861	I	23
24		-CMP20							24
25	COMPASS					COMPASS	11862	I	25
26		-CMP20							26
27	COMPASS	XTX10	MX0	-18		COMPASS	11863	I	27
28		-CMP20							28
29	COMPASS	-CMP20	SA1	VALUES		COMPASS	11864	I	29
30		-CMP20							30
31	COMPASS	-CMP20	BX6	-X0*X1		COMPASS	11865	I	31
32		-CMP20							32
33	COMPASS	-CMP20	NZ	X6,XTEXT2	IF NOT TEXT FORMAT	COMPASS	11866	I	33
34		-CMP20							34
35	COMPASS	-CMP20	READC	X,VALUES,9	READ FIRST LINE	COMPASS	11867	I	35
36		-CMP20							36
37	COMPASS	-CMP20	NZ	X1,XTEXTU	IF EOR OR EOF	CMP4	2	I	37
38		-CMP20							38
39	COMPASS	XTEXT2	SX2	X		COMPASS	11868	I	39
40		-CMP20							40
41	COMPASS	-CMP20	SA0	VALUES		COMPASS	11869	I	41
42		-CMP20							42
43	COMPASS	-CMP20	RJ	CRCARD	READ STATEMENT	COMPASS	11870	I	43
44		-CMP20							44
45	COMPASS	-CMP20	RJ	SETUP		COMPASS	11871	I	45
46		-CMP20							46
47	COMPASS	-CMP20	SA2	IOP		COMPASS	11872	I	47
48		-CMP20							48
49	COMPASS	-CMP20	SX3	3REND		COMPASS	11873	I	49
50		-CMP20							50
51	COMPASS	-CMP20	BX6	X2-X3		COMPASS	11874	I	51
52		-CMP20							52

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP20

1	COMPASS	-CMP20	ZR	X6,XTEXT3	COMPASS	11875	I	1
2		-CMP20						2
3	COMPASS		MX6	0	COMPASS	11876	I	3
4		-CMP20						4
5	COMPASS		SA6	SQLGN	COMPASS	11877	I	5
6		-CMP20						6
7	COMPASS		PCARD	LASTAB	COMPASS	11878	I	7
8		-CMP20						8
9	COMPASS		EQ	XTEXT2	COMPASS	11879	I	9
10		-CMP20						10
11	COMPASS				COMPASS	11880	I	11
12		-CMP20						12
13	COMPASS	*		PROCESS END OF TEXT.	COMPASS	11881	I	13
14		-CMP20						14
15	COMPASS				COMPASS	11882	I	15
16		-CMP20						16
17	COMPASS	XTEXT3	SX1	1RT	COMPASS	11883	I	17
18		-CMP20						18
19	COMPASS		LX1	54	COMPASS	11884	I	19
20		-CMP20						20
21	COMPASS		ADDWORD	LASTAB	COMPASS	11885	I	21
22		-CMP20						22
23	COMPASS		SA1	P1TEMP	COMPASS	11886	I	23
24		-CMP20						24
25	COMPASS		SX2	4	COMPASS	11887	I	25
26		-CMP20						26
27	COMPASS		SA4	P1TEMPA XTEXT FILE NAME	COMPASS	11888	I	27
28		-CMP20						28
29	COMPASS		MX5	0	COMPASS	11889	I	29
30		-CMP20						30
31	COMPASS		BX3	X1	COMPASS	11890	I	31
32		-CMP20						32
33	COMPASS		RJ	PUSHDOWN	COMPASS	11891	I	33
34		-CMP20						34
35	COMPASS		SX6	B1	COMPASS	11892	I	35
36		-CMP20						36
37	COMPASS		SA6	LIBFLG	COMPASS	11893	I	37
38		-CMP20						38
39	COMPASS		EQ	CTL100	COMPASS	11894	I	39
40		-CMP20						40
41	COMPASS	XTEXTF	SX6	B1 POST OVERFLOW ERROR	COMPASS	11895	I	41
42		-CMP20						42
43	COMPASS		SA6	FERR SINCE NO ROOM FOR INDEX	COMPASS	11896	I	43
44		-CMP20						44
45	COMPASS		SA6	EFLG	COMPASS	11897	I	45
46		-CMP20						46
47	COMPASS		EQ	XTEXTQ	COMPASS	11898	I	47
48		-CMP20						48
49	COMPASS	XTEXT	SPACE	4	CMP20	77	A	49
50	COMPASS	***	XTEXT	- EXTERNAL INPUT.	CMP20	78	A	50
51	COMPASS	*			CMP20	79	A	51

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP30

1	COMPASS		SA3	CP.XNAME	USE DEFAULT FILE NAME	CMP30	3636	A	
2	COMPASS		MX0	6		CMP20	100	A	
3	COMPASS	+	LX3	6	RIGHT JUSTIFY FILE NAME	CMP20	101	A	
4	COMPASS		BX6	X0*X3		CMP20	102	A	
5	COMPASS		NZ	X6,*	LOOP	CMP20	103	A	
6	COMPASS	XTX1	MX0	18		CMP20	104	A	
7	COMPASS		BX4	X3*X0		CMP20	105	A	
8	COMPASS		NZ	X4,XTX2	IF GREATER THAN 7 CHARACTERS	CMP20	106	A	
9	COMPASS		MX0	12	LEFT JUSTIFY FILE NAME	CMP20	107	A	
10	COMPASS		BX6	X3	SAVE FILE NAME FOR SEQUENCE FIELDS	CMP20	108	A	
11	COMPASS		SA6	P1TEMPA		CMP20	109	A	
12	COMPASS	+	BX6	X0*X3		CMP20	110	A	
13	COMPASS		LX3	6		CMP20	111	A	
14	COMPASS		ZR	X6,*	LOOP	CMP20	112	A	
15	COMPASS		SX1	B1		CMP20	113	A	
16	COMPASS		BX6	X1+X3		CMP20	114	A	
17	COMPASS		SA6	X		CMP20	115		I
18	-CMP30								
19	COMPASS		SA6	XTF		CMP30	3637	A	
20	COMPASS					CMP30	3638	A	
21	COMPASS		IFNE	CP#RM,0,2		CMP30	3639	A	
22	COMPASS		LX7	X3		CMP30	3640	A	
23	COMPASS		SA7	XDUM		CMP30	3641	A	
24	COMPASS					CMP30	3642	A	
25	COMPASS		PL	X6,XTX3	IF FILE NAME NON-NUMERIC	CMP20	116	A	
26	COMPASS	XTX2	SX6	B1		CMP20	117	A	
27	COMPASS		SA6	EFLG		CMP20	118	A	
28	COMPASS		SA6	LERR	POST BAD LOCATION SYMBOL	CMP20	119	A	
29	COMPASS		EQ	CTL70		CMP20	120	A	
30	COMPASS					CMP30	3643	A	
31	COMPASS	RM	IFEQ	CP#RM,0		CMP30	3644	A	
32	COMPASS	XTX3	REWIND	X		CMP20	121	A	
33	COMPASS		SA1	AMODE		CMP24	60		I
34	-CMP30								
35	COMPASS		MX7	0	SAVE AND CLEAR AMODE	CMP24	61		I
36	-CMP30								
37	COMPASS	RM	ELSE			CMP30	3645	A	
38	COMPASS	XTX3	SX1	LXDUM	INITIALIZE FILE INFORMATION TABLE	CMP30	3646	A	
39	COMPASS		SX2	XDUM		CMP30	3647	A	
40	COMPASS		SX3	X		CMP30	3648	A	
41	COMPASS		RJ	MOVE		CMP30	3649	A	
42	COMPASS	RM	ENDIF			CMP30	3650	A	
43	COMPASS					CMP30	3651	A	
44	COMPASS		SA1	CP.IFORM	SAVE AND CLEAR INPUT FORMAT	CMP30	3652	A	
45	COMPASS		SA2	EOFINP	AND END OF INPUT FLAG	CMP30	3653	A	
46	COMPASS		BX6	X1		CMP24	62	A	
47	COMPASS		SA7	A1		CMP24	63		I
48	-CMP30								
49	COMPASS		LX7	X2		CMP30	3654	A	
50	COMPASS		SA6	P1TEMPD		CMP24	64	A	
51	COMPASS		SA7	A6+B1		CMP30	3655	A	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS		MX6	0			CMP30	3656	A	
COMPASS		SA6	A1			CMP30	3657	A	
COMPASS		SA6	A2			CMP30	3658	A	
COMPASS		RJ	SCITEM	GET RECORD NAME		CMP20	122	A	
COMPASS		MX7	0	CLEAR UPDATE FLAG		CMP20	123		I
	-CMP24								
COMPASS		SA7	P1TEMPC			CMP20	124		I
	-CMP24								
COMPASS		ZR	X6,XTX14	IF NO NAME		CMP20	125		I
	-CMP30								
COMPASS		ZR	X6,XTX13A	IF NO NAME		CMP30	3659	A	
COMPASS		MX0	12	LEFT JUSTIFY NAME		CMP20	126	A	
COMPASS	+	BX3	X0*X6			CMP20	127	A	
COMPASS		LX6	6			CMP20	128	A	
COMPASS		ZR	X3,*	LOOP		CMP20	129	A	
COMPASS		SA6	P1TEMPB			CMP20	130	A	
COMPASS						CMP20	131	A	
COMPASS	*		READ RANDOM INDEX AND SEARCH FOR RECORD.			CMP20	132	A	
COMPASS						CMP20	133	A	
COMPASS		IFNE	CP#RM,0,1			CMP30	3660		I
	-CPS028								
COMPASS	DM	IFC	LT, "MODEL" 75			CMP30	3661		I
	-CPS028								
COMPASS	DM	IFNE	CP#RM,7		S028 475	CPS028	357	A	
COMPASS						CMP30	3662	A	
COMPASS		RJ	MTD	MAKE ROOM FOR INDEX		CMP20	134	A	
COMPASS		SA1	P1TEMPB	(X0) = RECORD NAME		CMP20	135		I
	-CMP30								
COMPASS		SA2	0.MEMORY			CMP20	136	A	
COMPASS		SA3	0.ENDTAB			CMP20	137	A	
COMPASS		BX0	X1			CMP20	138		I
	-CMP30								
COMPASS		IX3	X3-X2	NUMBER OF WORDS		CMP20	139	A	
COMPASS		SB7	X3-10000B			CMP20	140	A	
COMPASS		NG	B7,XTX4	IF LESS THAN 10000 WORDS		CMP20	141	A	
COMPASS		SX3	10000B			CMP20	142	A	
COMPASS	XTX4	SX3	X3-1			CMP20	143	A	
COMPASS		MX7	0	CLEAR INDEX AREA		CMP20	144	A	
COMPASS		SB7	X3			CMP20	145	A	
COMPASS		LX3	18			CMP20	146	A	
COMPASS		SA7	X2			CMP20	147	A	
COMPASS		BX6	X3+X2			CMP20	148	A	
COMPASS	+	SB7	B7-B1			CMP20	149	A	
COMPASS		SA7	A7+B1			CMP20	150	A	
COMPASS		NZ	B7,*	LOOP		CMP20	151	A	
COMPASS						CMP30	3663		I
	-CPSA115								
COMPASS	RM	IFEQ	CP#RM,0			CMP30	3664		I
	-CPSA115								
COMPASS						CMP30	3665		I
	-CPSA115								
COMPASS		SA6	X+7	STORE INDEX AREA POINTERS IN FET		CMP20	152	A	
	0	1	2	3	4	5	6	7	8
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-CPSA115

[illegible]

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	FETCH	X,BT,X2		CMP30	3708	A
COMPASS	SX3	X1-#WT#		CMP30	3709	A
COMPASS	BX4	X2+X3		CMP30	3710	A
COMPASS	NZ	X4,XTEXTU	IF BLOCKED, OR RECORD TYPE NOT *W*	CMP30	3711	A
COMPASS	SKIPBL	X,1		CMP30	3712	A
COMPASS	GETP	X,VALUES,30	READ LAST RECORD	CMP30	3713	I
-CPS172						
COMPASS	GETP	X,VALUES,50	READ SCOPE2 HEADER AND RANDOM INDEX	CPS172	5	A
COMPASS	FETCH	X,FP,X4		CMP30	3714	A
COMPASS	SX0	EOD		CMP30	3715	A
COMPASS	SA1	=7LDIRECT\$		CMP30	3716	A
COMPASS	SA2	VALUES		CMP30	3717	A
COMPASS	BX3	X0*X4		CMP30	3718	A
COMPASS	SX5	VALUES+2		CMP30	3719	A
COMPASS	BX4	X1-X2		CMP30	3720	A
COMPASS	BX6	X3+X4		CMP30	3721	A
COMPASS	NZ	X6,XTX8	IF NOT UPDATE PROGRAM LIBRARY	CMP30	3722	A
COMPASS				CMP30	3723	A
COMPASS	DM	ENDIF		CMP30	3724	A
COMPASS	*	SEARCH	UPDATE PROGRAM LIBRARY DECK LIST.	CMP20	182	A
COMPASS				CMP20	183	A
COMPASS				CMP20	184	A
COMPASS	RM	IFEQ	CP#RM,0	CMP30	3725	A
COMPASS				CMP30	3726	A
COMPASS	XTX6	SA3	X5 DECK LIST RECORD ADDRESS AND LENGTH	CMP20	185	A
COMPASS	LX1	47-59		CMP20	186	A
COMPASS	SX6	X1	SET IN = OUT = FIRST	CMP20	187	A
COMPASS	BX7	X3		CMP20	188	A
COMPASS	SA6	A1+B1		CMP20	189	A
COMPASS	SA7	A5-B1	STORE RANDOM ADDRESS IN FET	CMP20	190	A
COMPASS	AX3	30		CMP20	191	I
-CMP24						
COMPASS	SA6	A6+B1		CMP20	192	A
COMPASS	SA3	A3+2	MASTER CONTROL CHARACTER	CPS172	6	A
COMPASS	SA1	=0LCOMDECK		CPS172	7	A
COMPASS	MX0	-6	(P1TEMPC) = *COMDECK	CPS172	8	A
COMPASS	BX3	-X0*X3	WHERE * IS MASTER	CPS172	9	A
COMPASS	BX6	X1+X3	CONTROL CHARACTER	CPS172	10	A
COMPASS	LX6	-6		CPS172	11	A
COMPASS	SA6	P1TEMPC		CPS172	12	A
COMPASS	BX0	X4	(X0) = RECORD NAME	CMP30	3727	A
COMPASS	READ	X		CMP20	193	A
COMPASS	READW	X2,A0,2	IGNORE FIRST ENTRY	CMP20	194	A
COMPASS	NZ	X1,XTEXTU	IF EOR	CMP20	195	A
COMPASS	MX5	42	(X5) = 42-BIT MASK	CMP20	196	I
-CMP24						
COMPASS	MX5	54	(X5) = NINE-CHARACTER MASK	CMP24	65	A
COMPASS	XTX7	READW	X2,A0,2	CMP20	197	A
COMPASS	SA3	A0		CMP20	198	A
COMPASS	NZ	X1,XTEXTU	IF EOR	CMP20	199	A
COMPASS	BX6	X3-X0		CMP20	200	A
COMPASS	BX6	X5*X6		CMP20	201	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	NZ	X6,XTX7	LOOP	CMP20	202	A	
COMPASS	SX6	B1	SET UPDATE FLAG	CMP20	203	I	
-CMP24							
COMPASS	SA6	P1TEMPC		CMP20	204	I	
-CMP24							
COMPASS	SX6	-B1	SET AMODE = -1 (UPDATE COMMON DECK)	CMP24	66	I	
-CMP30							
COMPASS	SA6	AMODE		CMP24	67	I	
-CMP30							
COMPASS	SX6	-B1	CP.IFORM = -1 (UPDATE COMMON DECK)	CMP30	3728	A	
COMPASS	SA6	CP.IFORM	SET INPUT FORMAT	CMP30	3729	A	
COMPASS	EQ	XTX13		CMP20	205	A	
COMPASS				CMP30	3730	A	
COMPASS	RM	ELSE		CMP30	3731	A	
COMPASS				CMP30	3732	A	
COMPASS	XTX6	SA3	X5	CMP30	3733	I	
-CPS172							
COMPASS	XTX6	SA3	X5+2	CPS172	13	A	
COMPASS		SA1	=0LCOMDECK	CPS172	14	A	
COMPASS		MX0	-6	CPS172	15	A	
COMPASS		BX3	-X0*X3	CPS172	16	A	
COMPASS		BX6	X1+X3	CPS172	17	A	
COMPASS		LX6	-6	CPS172	18	A	
COMPASS		SA6	P1TEMPC	CPS172	19	A	
COMPASS		SA3	X5	CPS172	20	A	
COMPASS		MX0	-30	CMP30	3734	A	
COMPASS		BX6	-X0*X3	CMP30	3735	A	
COMPASS				CMP30	3736	I	
-CPSA115							
COMPASS	DM	IFC	LT, "MODEL" 75	CMP30	3737	I	
-CPS028		-CPSA115					
COMPASS	DM	IFEQ	CP#RM,6	S028 477 CPS028	358	I	
-CPSA115							
COMPASS	LX6	6	COMPUTE WORD ADDRESS	CMP30	3738	I	
-CPSA115							
COMPASS	MX5	-6		CMP30	3739	I	
-CPSA115							
COMPASS	IX6	X6+X5	PRU NO.*64 - 63	CMP30	3740	I	
-CPSA115							
COMPASS	SA6	P1TEMPC		CMP30	3741	I	
-CPSA115							
COMPASS	SX6	#ST#	SET RECORD TYPE *S*	CMP30	3742	I	
-CPSA115							
COMPASS	RJ	XTXWA	OPEN WORD ADDRESSABLE FILE	CMP30	3743	I	
-CPSA115							
COMPASS	SA2	P1TEMPC		CMP30	3744	I	
-CPSA115							
COMPASS	STORE	X,WA=X2	SET WORD ADDRESS OF DECK LIST	CMP30	3745	I	
-CPSA115							
COMPASS	DM	ELSE		CMP30	3746	I	
-CPSA115							
COMPASS		POSITION X,X6		CMP30	3747	A	
0	1	2	3	4	5	6	7
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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	DM	IFEQ	CP#RM,6	S028	481	CPS028	360	I
1	COMPASS	-CPSA115							
2	COMPASS	-CPSA115					CMP30	3786	I
3	COMPASS	-CPSA115					CMP30	3787	I
4	COMPASS	XTX8	SX2	XTF	REWIND	XTF			
5	COMPASS	-CPSA115					CMP30	3788	I
6	COMPASS	-CPSA115	SX7	50B			CMP30	3789	I
7	COMPASS	-CPSA115	RJ	=XCIO=			CMP30	3790	I
8	COMPASS	-CPSA115					CMP30	3791	I
9	COMPASS	-CPSA115	SX7	-10B	READ	X2,R			
10	COMPASS	-CPSA115	RJ	=XCIO=			CMP30	3792	I
11	COMPASS	-CPSA115	SA2	XTF+2	IN		CMP30	3793	I
12	COMPASS	-CPSA115	SA3	A2+B1	OUT		CMP30	3794	I
13	COMPASS	-CPSA115	IX4	X2-X3			CMP30	3795	I
14	COMPASS	-CPSA115	ZR	X4,XTEXTU	IF NO DATA READ		CMP30	3796	I
15	COMPASS	-CPSA115	SA3	X3			CMP30	3797	I
16	COMPASS	-CPSA115	MX0	6			CMP30	3798	I
17	COMPASS	-CPSA115	BX4	X0*X3			CMP30	3799	I
18	COMPASS	-CPSA115	IX3	X4-X0			CMP30	3800	I
19	COMPASS	-CPSA115	ZR	X3,XTX9	IF MODIFY OLDPL		CMP30	3801	I
20	COMPASS	-CPSA115	LX4	6			CMP30	3802	I
21	COMPASS	-CPSA115	SX2	X4-70B			CMP30	3803	I
22	COMPASS	-CPSA115	NG	X2,XTEXTU	IF NOT RECORD INDEXED		CMP30	3804	I
23	COMPASS	-CPSA115					CMP30	3805	I
24	COMPASS	-CPSA115					CMP30	3806	I
25	COMPASS	-CPSA115	SX6	#WT#	SET RECORD TYPE	*W*			
26	COMPASS	-CPSA115	RJ	XTXWA	OPEN WORD ADDRESSABLE FILE		CMP30	3807	I
27	COMPASS	-CPSA115	GET	X,VALUES,10,,1			CMP30	3808	I
28	COMPASS	-CPSA115	SA2	VALUES			CMP30	3809	I
29	COMPASS	-CPSA115					CMP30	3810	I
30		0	1	2	3	4	5	6	7
31		123456789012345678901234567890123456789012345678901234567890							
32									
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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS					CMP30	3811	I	
1	COMPASS	-CPSA115							
2	COMPASS	DM	ELSE			CMP30	3812	I	
3		-CPSA115							
4	COMPASS					CMP30	3813	I	
5		-CPSA115							
6	COMPASS	CTX8	REWINDM	X		CMP30	3814	A	
7	COMPASS		GET	X,VALUES,10	READ RECORD INDEX POINTER	CMP30	3815	A	
8	COMPASS		SA2	VALUES		CMP30	3816	A	
9	COMPASS		MX0	6		CMP30	3817	A	
10	COMPASS		BX4	X0*X2		CMP30	3818	A	
11	COMPASS		LX4	6		CMP30	3819	A	
12	COMPASS		SX5	X4-70B		CMP30	3820	A	
13	COMPASS		MI	X5,XTEXTU	IF NOT RECORD INDEXED	CMP30	3821	A	
14	COMPASS					CMP30	3822	I	
15		-CPSA115							
16	COMPASS	DM	ENDIF			CMP30	3823	I	
17		-CPSA115							
18	COMPASS					CMP30	3824	I	
19		-CPSA115							
20	COMPASS		MX0	-33		CMP30	3825	A	
21	COMPASS		BX3	-X0*X2	WORD ADDRESS OF INDEX	CMP30	3826	A	
22	COMPASS		MX0	-24		CMP30	3827	A	
23	COMPASS		LX2	-33		CMP30	3828	A	
24	COMPASS		BX7	-X0*X2		CMP30	3829	A	
25	COMPASS		MX4	-1		CMP30	3830	A	
26	COMPASS		IX6	X7+X4		CMP30	3831	A	
27	COMPASS		SA6	VALUES	LENGTH OF INDEX	CMP30	3832	A	
28	COMPASS		NG	X6,XTEXTU	IF ZERO LENGTH INDEX	CMP30	3833	A	
29	COMPASS					CMP30	3834	I	
30		-CPSA115							
31	COMPASS		IFC	LT, "MODEL" 75 ,2		CMP30	3835	I	
32		-CPS028	-CPSA115						
33	COMPASS		IFEQ	CP#RM,6,2	S028 483 CPS028		361	I	
34		-CPSA115							
35	COMPASS		STORE	X,WA=X3		CMP30	3836	I	
36		-CPSA115							
37	COMPASS		SKIP	1		CMP30	3837	I	
38		-CPSA115							
39	COMPASS		POSITION	X,X3		CMP30	3838	A	
40	COMPASS					CMP30	3839	I	
41		-CPSA115							
42	COMPASS		FETCH	X,FP,X3		CMP30	3840	A	
43	COMPASS		SX3	X3-#EOI#		CMP30	3841	A	
44	COMPASS		ZR	X3,XTEXTU	IF EMPTY FILE	CMP30	3842	A	
45	COMPASS		GETP	X,VALUES+1,10	READ HEADER WORD	CMP30	3843	A	
46	COMPASS		SA1	VALUES+1		CMP30	3844	A	
47	COMPASS		PL	X1,XTEXTU	IF NOT NAME INDEX	CMP30	3845	A	
48	COMPASS	CTX8A	SA2	VALUES		CMP30	3846	A	
49	COMPASS		SX4	B1+B1		CMP30	3847	A	
50	COMPASS		IX6	X2-X4		CMP30	3848	A	
51	COMPASS		SA6	A2		CMP30	3849	A	
52									
53		0	1	2	3	4	5	6	7
54		1234567890123456789012345678901234567890123456789012345678901234567890							

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

1	COMPASS	SA4	P1TEMPB			CMP30	3872	A	1
2	COMPASS	BX0	X4			CMP30	3873	A	2
3	COMPASS	XTX12	READW	X2,A0,2	CHECK RECORD NAME	CMP20	225	A	3
4	COMPASS	NZ	X1,XTEXTU	IF RECORD NOT FOUND		CMP20	226	A	4
5	COMPASS	SA1	A0			CMP20	227	A	5
6	COMPASS	BX6	X1-X0			CMP20	228	A	6
7	COMPASS	ZR	X6,XTX13	IF RECORD FOUND		CMP20	229	A	7
8	COMPASS	MX4	-3			CMP20	230	A	8
9	COMPASS	BX6	-X4-X6			CMP20	231	A	9
10	COMPASS	NZ	X6,XTX12	IF RECORD NOT FOUND		CMP20	232	A	10
11	COMPASS					CMP30	3874	I	11
12	COMPASS	-CPSA115							12
13	COMPASS	RM	ELSE			CMP30	3875	I	13
14	COMPASS	-CPSA115							14
15	COMPASS	RM	IFC	LT, "MODEL" 75		CMP30	3876	I	15
16	COMPASS	-CPS028	-CPSA115						16
17	COMPASS	RM	IFEQ	CP#RM,6	S028 487 CPS028	363	I		17
18	COMPASS	-CPSA115				CMP30	3877	I	18
19	COMPASS	-CPSA115							19
20	COMPASS	XTX9	SX2	XTF	SKIPEI XTF	CMP30	3878	I	20
21	COMPASS	-CPSA115							21
22	COMPASS	MX1	-18			CMP30	3879	I	22
23	COMPASS	-CPSA115							23
24	COMPASS	LX1	18			CMP30	3880	I	24
25	COMPASS	-CPSA115							25
26	COMPASS	BX2	-X1+X2			CMP30	3881	I	26
27	COMPASS	-CPSA115							27
28	COMPASS	SX7	240B			CMP30	3882	I	28
29	COMPASS	-CPSA115							29
30	COMPASS	RJ	=XCIO=			CMP30	3883	I	30
31	COMPASS	-CPSA115							31
32	COMPASS	SX1	B1+B1	SKIPB X2,2		CMP30	3884	I	32
33	COMPASS	-CPSA115							33
34	COMPASS	LX1	18			CMP30	3885	I	34
35	COMPASS	-CPSA115							35
36	COMPASS	BX2	X1+X2			CMP30	3886	I	36
37	COMPASS	-CPSA115							37
38	COMPASS	SX7	640B			CMP30	3887	I	38
39	COMPASS	-CPSA115							39
40	COMPASS	RJ	=XCIO=			CMP30	3888	I	40
41	COMPASS	-CPSA115							41
42	COMPASS	SX6	-2	CP.IFORM = -2 (MODIFY COMMON DECK)		CMP30	3889	I	42
43	COMPASS	-CPSA115							43
44	COMPASS	SA6	CP.IFORM	SET INPUT FORMAT		CMP30	3890	I	44
45	COMPASS	-CPS028	-CPSA115						45
46	COMPASS	SA6	CP.IFORM	SET INPUT FORMAT	S028 489 CPS028	364	I		46
47	COMPASS	-CPSA115							47
48	COMPASS	SA3	XTF+7	INDEX POINTERS		CMP30	3891	I	48
49	COMPASS	-CPSA115							49
50	COMPASS	SX6	X3			CMP30	3892	I	50
51	COMPASS	-CPSA115							51
52									52
53		0	1	2	3	4	5	6	53
54		123456789012345678901234567890123456789012345678901234567890							54
55									55
56									56
57									57
58									58
59									59
60									60

LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA6	X2+B1	FIRST			CMP30	3893	I
-CPSA115								
COMPASS	SA6	A6+B1	IN			CMP30	3894	I
-CPSA115								
COMPASS	SA6	A6+B1	OUT			CMP30	3895	I
-CPSA115								
COMPASS	AX3	18				CMP30	3896	I
-CPSA115								
COMPASS	BX7	X3+X6				CMP30	3897	I
-CPSA115								
COMPASS	SA7	A6+B1				CMP30	3898	I
-CPSA115								
COMPASS	SX7	-10B	READ	X2,R		CMP30	3899	I
-CPSA115								
COMPASS	RJ	=XCIO=				CMP30	3900	I
-CPSA115								
COMPASS	SA2	XTF+2	IN			CMP30	3901	I
-CPSA115								
COMPASS	SA3	A2+B1	OUT			CMP30	3902	I
-CPSA115								
COMPASS	IX4	X2-X3	NUMBER OF WORDS IN BUFFER			CMP30	3903	I
-CPSA115								
COMPASS	ZR	X4,XTEXTU	IF NO DATA			CMP30	3904	I
-CPSA115								
COMPASS	SX4	X4-1				CMP30	3905	I
-CPSA115								
COMPASS	SA1	X3				CMP30	3906	I
XTX10								
-CPSA115								
COMPASS	LX1	18				CMP30	3907	I
-CPSA115								
COMPASS	SX7	X1-770000B				CMP30	3908	I
-CPSA115								
COMPASS	NZ	X7,XTX11	IF NOT 7700 TABLE			CMP30	3909	I
-CPSA115								
COMPASS	LX1	6				CMP30	3910	I
-CPSA115								
COMPASS	SX2	X1+B1	WORD COUNT			CMP30	3911	I
-CPSA115								
COMPASS	IX4	X4-X2				CMP30	3912	I
-CPSA115								
COMPASS	IX3	X3+X2				CMP30	3913	I
-CPSA115								
COMPASS	PL	X4,XTX10	TRY NEXT TABLE			CMP30	3914	I
-CPSA115								
COMPASS	EQ	XTEXTU	IF END OF DATA			CMP30	3915	I
-CPSA115								
COMPASS	XTX11	SX7	X1-700000B			CMP30	3916	I
-CPSA115								
COMPASS	SX4	X4-1				CMP30	3917	I
-CPSA115								
COMPASS	NZ	X7,XTEXTU	IF NOT OPLD			CMP30	3918	I
-CPSA115								
0	1	2	3	4	5	6	7	8
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	NG	X4,XTEXTU	IF END OF DATA	CMP30	3919	I			
COMPASS	-CPSA115	MX0	-3	CMP30	3920	I			
COMPASS	-CPSA115	SA1	A1+B1	CMP30	3921	I			
COMPASS	-CPSA115	SA3	P1TEMPB	RECORD NAME	CMP30	3922	I		
COMPASS	-CPSA115	SX4	X4-2	CMP30	3923	I			
COMPASS	-CPSA115	BX5	X1-X3	CMP30	3924	I			
COMPASS	-CPSA115	NG	X4,XTEXTU	IF RECORD NOT FOUND	CMP30	3925	I		
COMPASS	-CPSA115	SA1	A1+2	CMP30	3926	I			
COMPASS	-CPSA115	ZR	X5,XTX12A	IF RECORD FOUND	CMP30	3927	I		
COMPASS	-CPSA115	BX6	-X0-X5	CMP30	3928	I			
COMPASS	-CPSA115	NZ	X6,XTX12	IF RECORD NOT FOUND	CMP30	3929	I		
COMPASS	-CPSA115	SA3	A1-B1	CMP30	3930	I			
COMPASS	-CPSA115	SX6	#ST#	SET RECORD TYPE *S*	CMP30	3931	I		
COMPASS	-CPSA115			CMP30	3932	I			
COMPASS	RM	ENDIF		CMP30	3933	I			
COMPASS	-CPSA115			CMP20	233	A			
COMPASS	*	SET RANDOM ADDRESS.		CMP20	234	A			
COMPASS				CMP20	235	A			
COMPASS	RM	IFEQ	CP#RM,0	CMP30	3934	I			
COMPASS	-CPSA115			CMP30	3935	I			
COMPASS	-CPSA115								
COMPASS	XTX13	RECALL	X	CMP20	236	A			
COMPASS		SA2	A0+B1	CMP20	237	A			
COMPASS		BX6	X2	CMP20	238	A			
COMPASS		SA6	X+6	CMP20	239	A			
COMPASS	XTX13A	BSS	0	CMP30	3936	A			
COMPASS				CMP30	3937	A			
COMPASS	RM	ELSE		CMP30	3938	A			
COMPASS				CMP30	3939	A			
COMPASS	DM	IFC	LT, "MODEL" 75	CMP30	3940	I			
COMPASS	-CPS028								
COMPASS	DM	IFEQ	CP#RM,6	S028 491	CPS028	365	I		
COMPASS	-CPSA115								
COMPASS	XTX13	MX0	-30	COMPUTE WORD ADDRESS	CMP30	3941	I		
COMPASS	-CPSA115								
COMPASS		BX1	-X0*X3	CMP30	3942	I			
	0	1	2	3	4	5	6	7	8
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPSA115

1	COMPASS	-CPSA115	LX1	6						CMP30	3943		I
2	COMPASS	-CPSA115	MX5	-6						CMP30	3944		I
3	COMPASS	-CPSA115	IX7	X1+X5	PRU NO.*64 - 63					CMP30	3945		I
4	COMPASS	-CPSA115	SA7	P1TEMPC						CMP30	3946		I
5	COMPASS	-CPSA115	RJ	XTXWA	OPEN WORD ADDRESSABLE FILE					CMP30	3947		I
6	COMPASS	-CPSA115	SA2	P1TEMPC						CMP30	3948		I
7	COMPASS	-CPSA115	STORE	X,WA=X2	SET WORD ADDRESS					CMP30	3949		I
8	COMPASS	-CPSA115	EQ	XTX14						CMP30	3950		I
9	COMPASS	-CPSA115	DM	ENDIF						CMP30	3951		I
10	COMPASS	-CPSA115	XTX13A	OPENM	X,INPUT,R	OPEN FOR SEQUENTIAL				CMP30	3952	A	
11	COMPASS									CMP30	3953	A	
12	COMPASS									CMP30	3954	A	
13	COMPASS	RM		ENDIF						CMP30	3955	A	
14	COMPASS	*		READ RECORD.						CMP20	240	A	
15	COMPASS									CMP20	241	A	
16	COMPASS									CMP20	242	A	
17	COMPASS	XTX14	MX6	0						CMP20	243	A	
18	COMPASS		SA6	VALUES+9						CMP20	244	A	
19	COMPASS		SA2	L.LASTAB						CMP20	245	A	
20	COMPASS		BX6	X2						CMP20	246	A	
21	COMPASS		SA6	P1TEMP						CMP20	247	A	
22	COMPASS		RJ	CWI						CMP20	248		I
23	COMPASS	-CMP24	SA1	X+1	SET IN = OUT = FIRST					CMP20	249		I
24	COMPASS	-CMP30	SA1	XTF+1	SET IN = OUT = FIRST					CMP30	3956	A	
25	COMPASS		SX6	X1						CMP20	250	A	
26	COMPASS		SA6	A1+B1						CMP20	251	A	
27	COMPASS		SA6	A6+B1						CMP20	252	A	
28	COMPASS		SX2	X						CMP30	3957	A	
29	COMPASS		SA0	VALUES						CMP20	253	A	
30	COMPASS		READ	X	READ HEADER					CMP20	254		I
31	COMPASS	-CMP30	SA1	P1TEMPC						CMP20	255		I
32	COMPASS	-CMP24	-CMP30	NZ	X1,XTX22	IF UPDATE OLDPL				CMP20	256		I
33	COMPASS	-CMP24	-CMP30	READC	X2,A0,9					CMP20	257		I
34	COMPASS	-CMP24	-CMP30	NZ	X1,XTEXTU	IF EOR OR EOF				CMP20	258		I
35	COMPASS	-CMP24	-CMP30	SA1	AMODE					CMP24	70		I

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP30

1	COMPASS									CMP30	3958	A		1
2	COMPASS		IFEQ	CP#RM,0,1						CMP30	3959	A		2
3	COMPASS		READ	X2	READ HEADER					CMP30	3960	A		3
4	COMPASS									CMP30	3961	A		4
5	COMPASS		SA1	CP.IFORM						CMP30	3962	A		5
6	COMPASS									CMP30	3963	A		6
7	COMPASS		IFNE	CP#RM,0,1						CMP30	3964		I	7
8	COMPASS	-CPS028												8
9	COMPASS	RM	IFC	LT, "MODEL" 75						CMP30	3965		I	9
10	COMPASS	-CPS028												10
11	COMPASS	RM	IFNE	CP#RM,7			S028 493	CPS028		366		A		11
12	COMPASS		PL	X1,XTX15	IF NOT A PROGRAM LIBRARY FILE			CMP24		71		A		12
13	COMPASS		LX1	59				CMP24		72		A		13
14	COMPASS		PL	X1,XTX19	IF UPDATE			CMP24		73		A		14
15	COMPASS		EQ	XTX16	MODIFY			CMP24		74		A		15
16	COMPASS	RM	ELSE					CMP30		3966		A		16
17	COMPASS		MI	X1,XTX19	IF UPDATE PROGRAM LIBRARY			CMP30		3967		A		17
18	COMPASS	RM	ENDIF					CMP30		3968		A		18
19	COMPASS							CMP24		75		A		19
20	COMPASS	*		READ FROM A NON-PROGRAM-LIBRARY FILE.				CMP24		76		A		20
21	COMPASS							CMP24		77		A		21
22	COMPASS	XTX15	READC	X2,A0,9	READ FIRST CARD OR 7700 HEADER WORD			CMP24		78		I		22
23	COMPASS	-CMP30												23
24	COMPASS		SA3	A0				CMP24		79		I		24
25	COMPASS	-CMP30												25
26	COMPASS		NZ	X1,XTX22	IF EMPTY RECORD			CMP24		80		I		26
27	COMPASS	-CMP30												27
28	COMPASS		LX3	18				CMP24		81		I		28
29	COMPASS	-CMP30												29
30	COMPASS		SX4	X3-770000B				CMP24		82		I		30
31	COMPASS	-CMP30												31
32	COMPASS		NZ	X4,XTX20	IF NOT 7700			CMP24		83		I		32
33	COMPASS	-CMP30												33
34	COMPASS		LX3	6				CMP24		84		I		34
35	COMPASS	-CMP30												35
36	COMPASS		SX6	B1+B1	AMODE = +2 (UPDATE COMPRESSED COMPILE FILE)			CMP24		85		I		36
37	COMPASS	-CMP30												37
38	COMPASS		SX3	X3				CMP24		86		I		38
39	COMPASS	-CMP30												39
40	COMPASS	+	ZR	X3,*+1	IF ZERO WORD COUNT			CMP24		87		I		40
41	COMPASS	-CMP30												41
42	COMPASS		SX6	B1	AMODE = +1 (MODIFY COMPRESSED COMPILE FILE)			CMP24		88		I		42
43	COMPASS	-CMP30												43
44	COMPASS		SA6	AMODE				CMP24		89		I		44
45	COMPASS	-CMP30												45
46	COMPASS		RJ	RNC	READ FIRST CARD			CMP24		90		I		46
47	COMPASS	-CMP30												47
48	COMPASS	XTX15	RJ	CIF	CHECK INPUT FORMAT			CMP30		3969		A		48
49	COMPASS		SA1	EOFINP				CMP30		3970		A		49
50	COMPASS		SA3	CP.IFORM				CMP30		3971		A		50
51	COMPASS		NZ	X1,XTX22	IF NO DATA			CMP30		3972		A		51

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS		ZR	X3,XTX20	IF NOT COMPRESSED SOURCE INPUT		3973	A	
1	COMPASS		EQ	XTX21		CMP24	91	A	
2	COMPASS					CMP24	92	A	
3	COMPASS	*		READ MODIFY COMMON DECK.		CMP24	93	A	
4	COMPASS					CMP24	94	A	
5	COMPASS	RM	IFEQ	CP#RM,0		CMP30	3974	A	
6	COMPASS					CMP30	3975	A	
7	COMPASS	XTX16	READC	X2,A0,9	READ HEADER	CMP24	95	A	
8	COMPASS		NZ	X1,XTEXTU	IF EMPTY RECORD	CMP24	96	A	
9	COMPASS		SA1	A0	CHECK IF OPLC	CMP20	259	A	
10	COMPASS		LX1	18		CMP20	260	A	
11	COMPASS		SX6	X1-770000B		CMP20	261	A	
12	COMPASS		NZ	X6,XTX20	IF NOT 7700 TABLE	CMP20	262		I
13		-CMP24							
14	COMPASS					CMP20	263		I
15		-CMP24							
16	COMPASS	*		READ MODIFY COMMON DECK.		CMP20	264		I
17		-CMP24							
18	COMPASS					CMP20	265		I
19		-CMP24							
20	COMPASS		NZ	X6,XTEXTU	IF NOT 7700 HEADER	CMP24	97	A	
21	COMPASS		LX1	6		CMP20	266	A	
22	COMPASS		READW	X2,A0,X1	SKIP 7700 TABLE	CMP20	267	A	
23	COMPASS		MX6	0		CMP24	98		I
24		-CP114							
25	COMPASS		SA1	B6-B1		CP114	13	A	
26	COMPASS		SB7	X1-64B	CHECK LAST WORD OF 7700 TABLE	CP114	14	A	
27	COMPASS		NZ	B7,XTX16A	IF NOT 64 CHARACTER SET	CP114	15	A	
28	COMPASS		SX7	-4	CP.IFORM = -4 (MODIFY COMDECK, 64 CHAR SET)	CP114	16	A	
29	COMPASS		SA7	CP.IFORM	SET INPUT FORMAT	CP114	17	A	
30	COMPASS	XTX16A	MX6	0		CP114	18	A	
31	COMPASS		SA6	VALUES+9		CMP24	99	A	
32	COMPASS		READW	X2,A0,1		CMP20	268	A	
33	COMPASS		NZ	X1,XTEXTF	IF NO DATA	CMP20	269	A	
34	COMPASS		SA1	A0		CMP20	270	A	
35	COMPASS		SX5	X1		CMP20	271	A	
36	COMPASS		LX1	18		CMP20	272	A	
37	COMPASS		SX6	X1-700200B		CMP20	273	A	
38	COMPASS		NZ	X6,XTEXTF	IF FUNNY DATA	CMP20	274	A	
39	COMPASS		ZR	X5,XTX16	IF NO CORRECTION IDENT TABLE	CMP20	275		I
40		-CMP24							
41	COMPASS	XTX15	READW	X2,A0,1	SKIP CORRECTION IDENT TABLE	CMP20	276		I
42		-CMP24							
43	COMPASS		ZR	X5,XTX18	IF NO CORRECTION IDENT TABLE	CMP24	100	A	
44	COMPASS	XTX17	READW	X2,A0,1	SKIP CORRECTION IDENT TABLE	CMP24	101	A	
45	COMPASS		NZ	X1,XTEXTF	IF EOR	CMP20	277	A	
46	COMPASS		SX5	X5-1		CMP20	278	A	
47	COMPASS		NZ	X5,XTX15	LOOP	CMP20	279		I
48		-CMP24							
49	COMPASS	XTX16	MANAGE	LASTAB,14	GET TABLE SPACE	CMP20	280		I
50		-CMP24							
51	COMPASS	XTX17	SA0	VALUES		CMP20	281		I
52									
53		0	1	2	3	4	5	6	7
54		1234567890123456789012345678901234567890123456789012345678901234567890							

LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP24

1	COMPASS	-CMP24	SX2	X					CMP20	282	I	1
2		-CMP24										2
3	COMPASS		READC	X2,A0,NLITS	SKIP	CORRECTION	HISTORY	BYTES	CMP20	283	I	3
4		-CMP24										4
5	COMPASS		NZ	X1,XTX27	IF	EOR			CMP20	284	I	5
6		-CMP24										6
7	COMPASS		SA5	A0					CMP20	285	I	7
8		-CMP24										8
9	COMPASS		READC	X2,A0,14	READ	COMPRESSED	CARD		CMP20	286	I	9
10		-CMP24										10
11	COMPASS		PL	X5,XTX17	IF	CARD	NOT	ACTIVE	CMP20	287	I	11
12		-CMP24										12
13	COMPASS		RJ	PTC	PACK	TEXT	CARD		CMP20	288	I	13
14		-CMP24										14
15	COMPASS		EQ	XTX17	LOOP				CMP20	289	I	15
16		-CMP24										16
17	COMPASS		NZ	X5,XTX17	LOOP				CMP24	102	A	17
18	COMPASS	XTX18	RJ	RNC	READ	FIRST	ACTIVE	CARD	CMP24	103	A	18
19	COMPASS		EQ	XTX21					CMP24	104	A	19
20	COMPASS								CMP30	3976	I	20
21		-CPSA115										21
22	COMPASS	RM	ELSE						CMP30	3977	I	22
23		-CPSA115										23
24	COMPASS	RM	IFC	LT, "MODEL"	75				CMP30	3978	I	24
25		-CPS028	-CPSA115									25
26	COMPASS	RM	IFEQ	CP#RM,6				S028 495 CPS028		367	I	26
27		-CPSA115										27
28	COMPASS								CMP30	3979	I	28
29		-CPSA115										29
30	COMPASS	XTX16	GETP	X,VALUES,10	READ	HEADER	WORD		CMP30	3980	I	30
31		-CPSA115										31
32	COMPASS		FETCH	X,FP,X4					CMP30	3981	I	32
33		-CPSA115										33
34	COMPASS		SX0	EOD+#EOR#					CMP30	3982	I	34
35		-CPSA115										35
36	COMPASS		SA1	VALUES					CMP30	3983	I	36
37		-CPSA115										37
38	COMPASS		BX6	X0*X4					CMP30	3984	I	38
39		-CPSA115										39
40	COMPASS		NZ	X6,XTEXTU	IF	NO	DATA		CMP30	3985	I	40
41		-CPSA115										41
42	COMPASS		LX1	18					CMP30	3986	I	42
43		-CPSA115										43
44	COMPASS		SX6	X1-770000B					CMP30	3987	I	44
45		-CPSA115										45
46	COMPASS		NZ	X6,XTEXTU	IF	NOT	7700	HEADER	CMP30	3988	I	46
47		-CPSA115										47
48	COMPASS		LX1	6					CMP30	3989	I	48
49		-CPSA115										49
50	COMPASS		SX5	X1	WORD	COUNT			CMP30	3990	I	50
51		-CPSA115										51
52												52
53		0	1	2	3	4	5	6	7	8		53
54		1234567890123456789012345678901234567890123456789012345678901234567890										54
55												55
56												56
57												57
58												58
59												59
60												60

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	FETCH	X,FP,X4		CMP30	4008	I	
1	COMPASS	-CPSA115	SX0	EOD+#{EOR#	CMP30	4009	I	
2	COMPASS	-CPSA115	SA1	T6RM1	CMP30	4010	I	
3	COMPASS	-CPSA115	BX6	X0*X4	CMP30	4011	I	
4	COMPASS	-CPSA115	SX7	X1-1	CMP30	4012	I	
5	COMPASS	-CPSA115	NZ	X6,XTEXTF	CMP30	4013	I	
6	COMPASS	-CPSA115	NZ	X7,XTX17	CMP30	4014	I	
7	COMPASS	-CPSA115	RJ	RNC	CMP30	4015	I	
8	COMPASS	-CPSA115	EQ	XTX21	CMP30	4016	I	
9	COMPASS	-CPSA115			CMP30	4017	A	
10	COMPASS	RM	ENDIF		CMP30	4018	A	
11	COMPASS	*	READ UPDATE COMMON DECK.		CMP24	105	A	
12	COMPASS	*	READ UPDATE COMMON DECK.		CMP24	106	A	
13	COMPASS	XTX19	RJ	RNC	CMP24	107	A	
14	COMPASS	SA1	EOFINP	READ FIRST ACTIVE CARD	CMP24	108	A	
15	COMPASS	SA5	X0		CMP24	109	A	
16	COMPASS	MX3	7*6+4		CMP24	110	A	
17	COMPASS	-CPS172			CMP24	111	I	
18	COMPASS	MX3	8*6		CPS172	21	A	
19	COMPASS	NZ	X1,XTEXTU	IF NO ACTIVE CARDS	CMP24	112	A	
20	COMPASS	SA4	=8LCOMDECK=		CMP24	113	I	
21	COMPASS	-CPS172	LX5	6	CMP24	114	I	
22	COMPASS	-CPS172						
23	COMPASS	SA4	P1TEMP	=8L*COMDECK WHERE * IS	CPS172	22	A	
24	COMPASS	BX1	-X3*X5	MASTER CONTROL CHARACTER	CPS172	23	A	
25	COMPASS	BX5	X3*X5		CMP24	115	A	
26	COMPASS	BX5	X4-X5		CMP24	116	A	
27	COMPASS	NZ	X5,XTEXTU	IF NOT *COMDECK	CMP24	117	A	
28	COMPASS	AX1	6		CPS172	24	A	
29	COMPASS	SX5	X1-1R	TEST NINTH CHARACTER	CPS172	25	A	
30	COMPASS	AX5	6		CPS172	26	A	
31	COMPASS	BX1	X1*X5		CPS172	27	A	
32	COMPASS	NZ	X1,XTEXTU	IF NOT 00B NOR 55B-77B	CPS172	28	A	
33	COMPASS	RJ	RNC	SKIP *COMDECK CARD	CMP24	118	A	
34	COMPASS	EQ	XTX21		CMP24	119	A	
35	COMPASS	*	READ TEXT.		CMP20	290	A	
36	COMPASS	*	READ TEXT.		CMP20	291	A	
37	COMPASS	*	READ TEXT.		CMP20	292	A	
38	COMPASS	XTX20	MX0	-18	CMP20	293	I	
39	COMPASS	-CMP30						
40	COMPASS	XTX20	BSS	0	CMP30	4019	A	
41								
42								
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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

1	COMPASS	-CMP24	* READ UPDATE COMMON DECK.	CMP20	312	I	1
2		-CMP24					2
3	COMPASS			CMP20	313	I	3
4		-CMP24					4
5	COMPASS	XTX22	MANAGE LASTAB,14	CMP20	314	I	5
6		-CMP24					6
7	COMPASS		SA0 VALUES	CMP20	315	I	7
8		-CMP24					8
9	COMPASS		SX2 X	CMP20	316	I	9
10		-CMP24					10
11	COMPASS		READW X2,A0,1 READ *COMDECK CARD	CMP20	317	I	11
12		-CMP24					12
13	COMPASS		SA5 A0	CMP20	318	I	13
14		-CMP24					14
15	COMPASS		MX3 1	CMP20	319	I	15
16		-CMP24					16
17	COMPASS		LX3 -1	CMP20	320	I	17
18		-CMP24					18
19	COMPASS		BX5 -X3*X5 SET INACTIVE	CMP20	321	I	19
20		-CMP24					20
21	COMPASS		EQ XTX24	CMP20	322	I	21
22		-CMP24					22
23	COMPASS	XTX23	SX2 X	CMP20	323	I	23
24		-CMP24					24
25	COMPASS		SA0 VALUES	CMP20	324	I	25
26		-CMP24					26
27	COMPASS		READW X2,A0,1 READ CONTROL WORD	CMP20	325	I	27
28		-CMP24					28
29	COMPASS		SA5 A0	CMP20	326	I	29
30		-CMP24					30
31	COMPASS	XTX24	NZ X1,XTX27 IF EOR	CMP20	327	I	31
32		-CMP24					32
33	COMPASS		BX3 X5	CMP20	328	I	33
34		-CMP24					34
35	COMPASS	XTX25	NG X3,XTX26 IF END OF CHB-S	CMP20	329	I	35
36		-CMP24					36
37	COMPASS		READW X2,A0,1 SKIP CHB	CMP20	330	I	37
38		-CMP24					38
39	COMPASS		SA3 A0	CMP20	331	I	39
40		-CMP24					40
41	COMPASS		ZR X1,XTX25 IF NOT EOR	CMP20	332	I	41
42		-CMP24					42
43	COMPASS		EQ XTX27	CMP20	333	I	43
44		-CMP24					44
45	COMPASS	XTX26	LX5 24 READ CARD INTO TABLE	CMP20	334	I	45
46		-CMP24					46
47	COMPASS		READW X2,A0,X5	CMP20	335	I	47
48		-CMP24					48
49	COMPASS		LX5 -23	CMP20	336	I	49
50		-CMP24					50
51	COMPASS		PL X5,XTX23 IF CARD INACTIVE	CMP20	337	I	51
52							52
53		0	1	2	3	4	5
54		1234567890123456789012345678901234567890123456789012345678901234567890					6
55							7
56							8
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP24

1	COMPASS	-CMP24	MX6	0		CMP20	338	I	
2	COMPASS	-CMP24	SA6	B6		CMP20	339	I	
3	COMPASS	-CMP24	RJ	PTC	PACK TEXT CARD	CMP20	340	I	
4	COMPASS	-CMP24	EQ	XTX23	LOOP	CMP20	341	I	
5	COMPASS	-CMP24				CMP20	342	I	
6	COMPASS	-CMP24				CMP20	343	I	
7	COMPASS	*			PROCESS END OF COMMON DECK.	CMP20	344	I	
8	COMPASS	-CMP24				CMP20	345	I	
9	COMPASS	XTX27			MANAGE LASTAB, -14	CMP20	346	A	
10	COMPASS	-CMP24				CMP20	347	A	
11	COMPASS	*			PROCESS END OF TEXT.	CMP20	348	A	
12	COMPASS	XTX28	SX1	1RT		CMP20	349	I	
13	COMPASS	-CMP24				CMP24	123	I	
14	COMPASS	XTX22	SX1	1RT		CMP029	90	I	
15	COMPASS	-CMP029	RJ	CWI	EMPTY RECORD - WRITE *XTEXT* TO INTER	CP114	41	A	
16	COMPASS	-CP114	SA1	P1TEMPD	EMPTY RECORD - RESTORE INPUT FORMAT	CP114	42	A	
17	COMPASS	XTX22	BX6	X1		CP114	43	A	
18	COMPASS		SA6	CP.IFORM		CP114	44	A	
19	COMPASS		RJ	CWI	WRITE *XTEXT* TO INTERMEDIATE	CMP029	91	A	
20	COMPASS	XTX22A	SX1	1RT		CMP20	350	A	
21	COMPASS		LX1	54		CMP20	351	A	
22	COMPASS		ADDWORD	LASTAB		CMP24	124	I	
23	COMPASS	SA1	P1TEMPD	RESTORE AMODE		CMP30	4025	A	
24	COMPASS	-CMP30	SA1	P1TEMPD	RESTORE INPUT FORMAT AND END OF INPUT FLAG	CMP30	4026	A	
25	COMPASS		SA2	A1+B1		CMP24	125	A	
26	COMPASS		BX6	X1		CMP24	126	I	
27	COMPASS	-CMP30	SA6	AMODE		CMP30	4027	A	
28	COMPASS		LX7	X2		CMP30	4028	A	
29	COMPASS		SA6	CP.IFORM		CMP30	4029	A	
30	COMPASS		SA7	EOFINP		CMP24	127	I	
31	COMPASS	RJ	CWI	WRITE *XTEXT* TO INTERMEDIATE		CMP20	352	A	
32	COMPASS	-CMP029	SA1	P1TEMP		CMP20	353	A	
33	COMPASS		SX2	4		CMP20	354	A	
34	COMPASS		SA4	P1TEMPA	XTEXT FILE NAME	CMP20	355	A	
35	COMPASS		MX5	0		CMP20	356	A	
36	COMPASS		BX3	X1		CMP20	357	A	
37	COMPASS		RJ	PUSHDOWN		CMP036	34	A	
38	COMPASS		SA1	XLEV	INCREMENT XTEXT LEVEL				

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## 1412THE

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## 14121HE

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPSA115

1	COMPASS	OPENM	X,INPUT,N			CMP30	4069		I	1
2	-CPSA115									2
3	COMPASS	EQ	XTXWA	RETURN		CMP30	4070		I	3
4	-CPSA115									4
5	COMPASS					CMP30	4071		I	5
6	-CPSA115									6
7	COMPASS	DM	ENDIF			CMP30	4072		I	7
8	-CPSA115									8
9	COMPASS					CMP30	4073		I	9
10	-CPSA115									10
11	COMPASS					CMP30	4074	A		11
12	COMPASS	**	DUMMY FIT FOR RE-INITIALIZING XTEXT FIT.			CMP30	4075	A		12
13	COMPASS					CMP30	4076	A		13
14	COMPASS					CMP30	4077	A		14
15	COMPASS	IFC	LT, "MODEL" 75 ,2			CMP30	4078		I	15
16	-CPS028									16
17	COMPASS	IFEQ	CP#RM,6,1		S028 499	CPS028	369		I	17
18	-CPSA115									18
19	COMPASS	XDUM	FILE	FO=SQ,BT=C,RT=Z,MRL=100,CM=YES,LT=UL,WSA=VALUES,FET=XTF		CMP30	4079		I	19
20	-CPSA115									20
21	COMPASS	,,BFS=BBUFL				CMP30	4080		I	21
22	-CPS028	-CPSA115								22
23	COMPASS	SKIP	1			CMP30	4081		I	23
24	-CPS028	-CPSA115								24
25	COMPASS	,,BFS=BBUFL,ERL=1			S028 501	CPS028	370		I	25
26	-CPSA115									26
27	COMPASS	IFEQ	CP#RM,7,1		S028 502	CPS028	371		I	27
28	-CPSA115									28
29	COMPASS	XDUM	FILE	FO=SQ,BT=,RT=W,MRL=5120,CM=NO,WSA=VALUES,PD=INPUT		CMP30	4082	A		29
30	COMPASS	LXDUM	EQU	*-XDUM		CMP30	4083	A		30
31	COMPASS					CMP30	4084	A		31
32	COMPASS					CMP30	4085	A		32
33	COMPASS	RM	ENDIF			CMP30	4086	A		33
34	COMPASS	XTEXT	SPACE	4		COMPASS	11899	A		34
35	COMPASS	**	XTEXT	- EXTERNAL INPUT.		COMPASS	11900	A		35
36	COMPASS					COMPASS	11901	A		36
37	COMPASS					COMPASS	11902	A		37
38	COMPASS		QUAL	PASS2		COMPASS	11903	A		38
39	COMPASS	XTEXT	EQU	ZLLA		COMPASS	11904	A		39
40	COMPASS	BLANK	SPACE	4		COMPASS	11905	A		40
41	COMPASS	***	BLANK	OPERATION CODE.		COMPASS	11906	A		41
42	COMPASS	*				COMPASS	11907	A		42
43	COMPASS	*				COMPASS	11908	A		43
44	COMPASS	*SYM				COMPASS	11909	A		44
45	COMPASS	*	(SYM)	IS ASSIGNED THE VALUE OF THE LOCATION COUNTER,		COMPASS	11910	A		45
46	COMPASS	*	AND ONE WORD IS ZEROED AND RESERVED.			COMPASS	11911	A		46
47	COMPASS	*	IF (SYM) IS MISSING, THIS CARD IS IGNORED.			COMPASS	11912	A		47
48	COMPASS					COMPASS	11913	A		48
49	COMPASS					COMPASS	11914	A		49
50	COMPASS		QUAL	PASS1		COMPASS	11915	A		50
51	COMPASS	BLNKOP	SA2	LOCSYM		COMPASS	11916	A		51
52										52
53	0	1	2	3	4	5	6	7	8	53
54	1234567890123456789012345678901234567890123456789012345678901234567890									54
55										55
56										56
57										57
58										58
59										59
60										60

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

1	COMPASS		NZ	X2,BLNKOP1	COMPASS	11917	A		
2	COMPASS	BLNKOP1	PL	X2,CTL300	COMPASS	11918	A		
3	COMPASS		SB7	X2-1R+	COMPASS	11919	A		
4	COMPASS		ZR	B7,CTL70	COMPASS	11920	A		
5	COMPASS		EQ	B7,B1,CTL70	COMPASS	11921	A		
6	COMPASS		SX6	B1	COMPASS	11922	A		
7	COMPASS		SA6	IFCDGP	COMPASS	11923	A		
8	COMPASS		SA1	LWORD	COMPASS	11924	A		
9	COMPASS		RJ	YPRLOC	COMPASS	11925	A		
10	COMPASS		SA1	LWORD	COMPASS	11926	A		
11	COMPASS		RJ	UPPOS	COMPASS	11927	A		
12	COMPASS	BLANK	EQ	CTL70	COMPASS	11928	A		
13	COMPASS	**	SPACE	4	COMPASS	11929	A		
14	COMPASS		BLANK OPERATION CODE.				COMPASS	11930	A
15	COMPASS				COMPASS	11931	A		
16	COMPASS				COMPASS	11932	A		
17	COMPASS	BLNKOP	QUAL	PASS2	COMPASS	11933	A		
18	COMPASS		SA2	LOCSYM	COMPASS	11934	A		
19	COMPASS		ZR	X2,ZLIST	COMPASS	11935	A		
20	COMPASS		SA1	LWORD	COMPASS	11936	A		
21	COMPASS		SB2	X2-1R+	COMPASS	11937	A		
22	COMPASS		ZR	B2,ZLIST	COMPASS	11938	A		
23	COMPASS		EQ	B1,B2,ZLIST	COMPASS	11939	A		
24	COMPASS		RJ	ZPRLOC	COMPASS	11940	A		
25	COMPASS		SA4	MACHINE	COMPASS	11941	A		
26	COMPASS	+	SX2	36	COMPASS	11942	A		
27	COMPASS		SX3	20	COMPASS	11943	A		
28	COMPASS		ZR	X4,*+2	COMPASS	11944	A		
29	COMPASS		SX2	25	COMPASS	11945	A		
30	COMPASS	-CPSA281	SX3	4	COMPASS	11946	I		
31	COMPASS		SA3	PPBYT	CPSA281	300	A		
32	COMPASS		SX1	B0	COMPASS	11947	A		
33	COMPASS		RJ	PACK0	COMPASS	11948	A		
34	COMPASS		SX6	B1	COMPASS	11949	A		
35	COMPASS		BX5	X6	CPS062	37	A		
36	COMPASS		SA6	FLAG	CPS062	38	A		
37	COMPASS		SA6	EXVAL	COMPASS	11950	A		
38	COMPASS		SA6	IFCDGP	COMPASS	11951	A		
39	COMPASS		EQ	BSSZ5	COMPASS	11952	A		
40	COMPASS	=	SPACE	4	COMPASS	11953	A		
41	COMPASS	***	=	- SYMBOL DEFINITION.	COMPASS	11954	A		
42	COMPASS	*			COMPASS	11955	I		
43	COMPASS	-CPSA097							
44	COMPASS	*			COMPASS	11956	A		
45	COMPASS	*SYM	=	EXP	COMPASS	11957	A		
46	COMPASS	*	(SYM) IS ASSIGNED THE VALUE OF THE ADDRESS EXPRESSION.				COMPASS	11958	A
47	COMPASS				COMPASS	11959	A		
48	COMPASS				COMPASS	11960	A		
49	COMPASS		QUAL	PASS1	COMPASS	11961	A		
50	COMPASS	* =	EQU	EQU	COMPASS	11962	A		
51	COMPASS	AUT	TITLE	PASS 1 SUBROUTINES.	COMPASS	11963	A		

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	MANAGE	USETAB,6*3	ALLOCATE 3 BLOCKS	COMPASS	11990	I
COMPASS	-CMP30			COMPASS	11991	I
COMPASS	SB5	6	PRESET FIRST 3 BLOCKS - ABS, 0, LIT	COMPASS	11991	I
COMPASS	-CMP30					
COMPASS	SA6	A7+B1		CMP30	4091	A
COMPASS	MANAGE	USETAB,3*4	ALLOCATE 3 BLOCKS	CMP30	4092	A
COMPASS	SB5	4	PRESET FIRST 3 BLOCKS - ABS, 0, LIT	CMP30	4093	A
COMPASS	SA1	LWORD	SET POSITION COUNTER	COMPASS	11992	A
COMPASS	IX2	X2+X3		COMPASS	11993	A
COMPASS	SB7	X2-6*3	SET BASE ADDRESS	COMPASS	11994	I
COMPASS	-CMP30					
COMPASS	SB7	X2-3*4	BASE ADDRESS	CMP30	4094	A
COMPASS	BX6	X1		COMPASS	11995	A
COMPASS	LX6	24		COMPASS	11996	A
COMPASS	SX7	B0		COMPASS	11997	A
COMPASS	SA6	B7+B1		COMPASS	11998	A
COMPASS	SA6	A6+B5		COMPASS	11999	A
COMPASS	SA6	A6+B5		COMPASS	12000	A
COMPASS	MX6	0	STORE TYPE = 0	COMPASS	12001	A
COMPASS	SA7	B7+2		COMPASS	12002	A
COMPASS	SA6	A7+B1	CLEAR MAXIMUM BLOCK SIZE	COMPASS	12003	A
COMPASS	SA7	A7+B5		COMPASS	12004	A
COMPASS	SA6	A7+B1		COMPASS	12005	A
COMPASS	SA7	A7+B5		COMPASS	12006	A
COMPASS	SA6	A7+B1		COMPASS	12007	A
COMPASS	SA1	=9RLITERALS*		COMPASS	12008	A
COMPASS	SA2	=9RABSOLUTE*		COMPASS	12009	A
COMPASS	BX6	X2		COMPASS	12010	A
COMPASS	SX7	1R		COMPASS	12011	A
COMPASS	SA6	B7		COMPASS	12012	A
COMPASS	SA7	A6+B5		COMPASS	12013	A
COMPASS	BX6	X1		COMPASS	12014	A
COMPASS	SA6	A7+B5		COMPASS	12015	A
COMPASS	SA1	USESTK	CLEAR USE STACK	CMP30	4095	A
COMPASS	SX2	MSTACK		CMP30	4096	A
COMPASS	MX0	30		CMP30	4097	A
COMPASS	BX3	X0*X1		CMP30	4098	A
COMPASS	IX6	X3+X2		CMP30	4099	A
COMPASS	SA6	A1		CMP30	4100	A
COMPASS	MANAGE	RVTAB,3*1	ALLOCATE 1ST 3 RVTAB ENTRIES	CPS2672	36	A
COMPASS	SB7	X3-3*1	PRESET THEM TO ZERO	CPS2672	37	A
COMPASS	MX6	0		CPS2672	38	A
COMPASS	SA6	X2+B7		CPS2672	39	A
COMPASS	SA6	A6+B1		CPS2672	40	A
COMPASS	SA6	A6+B1		CPS2672	41	A
COMPASS	EQ	AUT	RETURN	COMPASS	12016	A
COMPASS	AVO	SPACE 4		COMPASS	12017	A
COMPASS	**	AVO - ADVANCE OVERLAY.		COMPASS	12018	A
COMPASS				COMPASS	12019	A
COMPASS	AVO	PS	RETURN EXIT	COMPASS	12020	A
COMPASS	SA1	L.USETAB	SET NEW USE INDEX	COMPASS	12021	A
COMPASS				COMPASS	12022	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA2	L.EPTAB	SET NEW EPTAB INDEX	COMPASS	12023	A
COMPASS	SA3	L.LITAB	SET NEW LITAB INDEX	CMP17	21	A
COMPASS	SA4	L.SLITS	SET NEW SLITS INDEX	CMP17	22	A
COMPASS	BX6	X1		COMPASS	12024	A
COMPASS	LX7	X2		COMPASS	12025	A
COMPASS	SA3	L.LITAB	SET NEW LITAB INDEX	COMPASS	12026	I
-CMP17						
COMPASS	SA6	UI		COMPASS	12027	A
COMPASS	SA7	EI		COMPASS	12028	A
COMPASS	BX6	X3		COMPASS	12029	A
COMPASS	LX7	X4		CMP17	23	A
COMPASS	SA6	LI		COMPASS	12030	A
COMPASS	SA7	DI		CMP17	24	A
COMPASS	MX7	0	SET NEW USE NUMBER	COMPASS	12031	I
-CMP30						
COMPASS	AV01	SX1	X1-6	COMPASS	12032	I
-CMP30						
COMPASS	SX7	X7+B1		COMPASS	12033	I
-CMP30						
COMPASS	PL	X1,AV01	LOOP	COMPASS	12034	I
-CMP30						
COMPASS	AX1	2	SET NEW USE NUMBER	CMP30	4101	I
-RSM4159						
COMPASS	SX7	X1+B1		CMP30	4102	I
-RSM4159						
COMPASS	SX7	B1	SET NEW USE NUMBER	RSM4159	28	A
COMPASS	SA7	UI+1		COMPASS	12035	A
COMPASS	EQ	AV0	RETURN	COMPASS	12036	A
COMPASS	COB	SPACE 4		COMPASS	12037	A
COMPASS	**	COB - CLOSE OUT BLOCKS.		COMPASS	12038	A
COMPASS				COMPASS	12039	A
COMPASS				COMPASS	12040	A
COMPASS	COB	PS	RETURN EXIT	COMPASS	12041	A
COMPASS	RJ	YFOUP	CLOSE OUT ALL BLOCKS	COMPASS	12042	A
COMPASS	RJ	RSL	RECORD SEGMENT LENGTH	COMPASS	12043	A
COMPASS	SA1	ORGCTR+1		COMPASS	12044	A
COMPASS	NZ	X1,COB1	CORRECT FOR ZERO BLOCK NUMBER	COMPASS	12045	A
COMPASS	SA1	UI+1		COMPASS	12046	A
COMPASS	BX6	X1		COMPASS	12047	A
COMPASS	SA6	ORGCTR+1		COMPASS	12048	A
COMPASS	COB1	LX2	X1,B1 6*RELOCATION	COMPASS	12049	I
-CMP30						
COMPASS	IX3	X2+X2		COMPASS	12050	I
-CMP30						
COMPASS	IX4	X2+X3		COMPASS	12051	I
-CMP30						
COMPASS	SB6	X4-5		COMPASS	12052	I
-CMP30						
COMPASS	COB1	LX1	2	CMP30	4103	A
COMPASS	SB6	X1-3		CMP30	4104	A
COMPASS	SA2	0.USETAB		COMPASS	12053	A
COMPASS	SA1	UI		RSM4159	29	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	IX2	X1+X2	BASE ADDRESS OF BLOCK GROUP	RSM4159	30	A
COMPASS	SA1	ORGCTR		COMPASS	12054	A
COMPASS	MX0	-21		COMPASS	12055	A
COMPASS	SA3	LWORD		COMPASS	12056	A
COMPASS	BX6	-X0*X1		COMPASS	12057	A
COMPASS	LX3	24		COMPASS	12058	A
COMPASS	IX7	X6+X3		COMPASS	12059	A
COMPASS	SA7	X2+B6	NOTE LENGTH AND POSITION	COMPASS	12060	A
COMPASS	RJ	YFUALL		COMPASS	12061	A
COMPASS	SA1	O.USETAB	CORRECT BLOCK LENGTHS FOR MAXIMUM	COMPASS	12062	A
COMPASS	SA2	L.USETAB		COMPASS	12063	A
COMPASS	SA3	UI		COMPASS	12064	A
COMPASS	IX1	X1+X3		COMPASS	12065	A
COMPASS	IX2	X2-X3		COMPASS	12066	A
COMPASS	SB6	6		COMPASS	12067	I
-CMP30						
COMPASS	SB7	X2-6		COMPASS	12068	I
-CMP30						
COMPASS	SB6	4		CMP30	4105	A
COMPASS	SB7	X2-4		CMP30	4106	A
COMPASS	SA0	X1+2		COMPASS	12069	A
COMPASS	MX0	39		COMPASS	12070	A
COMPASS	SA1	A0-B1	LAST ORGCTR VALUE	COMPASS	12071	A
COMPASS	SA2	A0+B1	MAXIMUM ORGCTR VALUE	COMPASS	12072	A
COMPASS	BX3	-X0*X1		COMPASS	12073	A
COMPASS	IX4	X2-X3		COMPASS	12074	A
COMPASS	BX6	X1		COMPASS	12075	A
COMPASS	NG	X4,COB3		COMPASS	12076	A
COMPASS	IX6	X4+X6		COMPASS	12077	A
COMPASS	SB7	B7-B6		COMPASS	12078	A
COMPASS	SA0	A0+B6		COMPASS	12079	A
COMPASS	SA6	A1		COMPASS	12080	A
COMPASS	PL	B7,COB2	LOOP	COMPASS	12081	A
COMPASS	EQ	COB	RETURN	COMPASS	12082	A
COMPASS	CRL	SPACE 4		S004 19	CPS004 7	A
COMPASS	**	CRL - CHECK RECURSION LIMIT.		S004 20	CPS004 8	A
COMPASS	*	IF LIMIT IS ABOUT TO BE EXCEEDED, POST *F* ERROR		S004 21	CPS004 9	A
COMPASS	*	AND SET (CRLF) = 1.		S004 22	CPS004 10	A
COMPASS				S004 23	CPS004 11	A
COMPASS				S004 24	CPS004 12	A
COMPASS	CRL	PS	RETURN EXIT	S004 25	CPS004 13	A
COMPASS	SA1	L.STACK		S004 26	CPS004 14	A
COMPASS	SB7	X1-4*"LIMRECUR"		S004 27	CPS004 15	A
COMPASS	MI	B7,CRL	IF NOT EXCEEDED	S004 28	CPS004 16	A
COMPASS	SX6	B1		S004 29	CPS004 17	A
COMPASS	SA6	CRLF	SET FLAG FOR /PASS2/CRL	S004 30	CPS004 18	A
COMPASS	SA6	EFLG		S004 31	CPS004 19	A
COMPASS	SA6	FERR	POST *F* ERROR	S004 32	CPS004 20	A
COMPASS	JP	CRL		S004 33	CPS004 21	A
COMPASS	CRC	SPACE 4		COMPASS	12083	I
-CMP24						
COMPASS	**	CRC - CREATE STATEMENT FROM CARDS.		COMPASS	12084	I
0	1	2	3	4	5	6
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-CMP24

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP24

1	COMPASS	-CMP24	SA4	LASTCOL	COMPASS	12111	I	1	
2	COMPASS	-CMP24	SX7	A6 - CARD+1	COMPASS	12112	I	2	
3	COMPASS	-CMP24	IX4	X4 - X7	COMPASS	12113	I	3	
4	COMPASS	-CMP24	SA7	A4	COMPASS	12114	I	4	
5	COMPASS	-CMP24	LX7	X6	COMPASS	12115	I	5	
6	COMPASS	-CMP24	SA7	A6+B1	COMPASS	12116	I	6	
7	COMPASS	-CMP24	SA6	A7+B1	COMPASS	12117	I	7	
8	COMPASS	CRC1	SX4	X4 - 2	CLEAR TO END OF CARD	COMPASS	12118	I	8
9	COMPASS	-CMP24	SA7	A6+B1	COMPASS	12119	I	9	
10	COMPASS	-CMP24	SA6	A7+B1	COMPASS	12120	I	10	
11	COMPASS	-CMP24	PL	X4 ,CRC1	LOOP	COMPASS	12121	I	11
12	COMPASS	-CMP24	MX0	48	SQUEEZE COSY CARD	COMPASS	12122	I	12
13	COMPASS	-CMP24	MX4	54	COMPASS	12123	I	13	
14	COMPASS	-CMP24	SA1	A0+B1	COMPASS	12124	I	14	
15	COMPASS	-CMP24	MX3	42	COMPASS	12125	I	15	
16	COMPASS	-CMP24	SB6	SQIMAGE+10	COMPASS	12126	I	16	
17	COMPASS	-CMP24	SB7	-10	COMPASS	12127	I	17	
18	COMPASS	-CMP24	SX6	1R	SET STYPE	COMPASS	12128	I	18
19	COMPASS	-CMP24	SA5	CARD	COMPASS	12129	I	19	
20	COMPASS	-CMP24	SX7	X5 - 1R*	COMPASS	12130	I	20	
21	COMPASS	-CMP24	NZ	X7 ,CRC2	IF NOT COMMENT	COMPASS	12131	I	21
22	COMPASS	-CMP24	SX6	1R*	COMPASS	12132	I	22	
23	COMPASS	CRC2	BX7	X4*X1	COMPASS	12133	I	23	
24	COMPASS	-CMP24	BX7	X6+X7	COMPASS	12134	I	24	
25	COMPASS	-CMP24	LX7	54	COMPASS	12135	I	25	
26	COMPASS	-CMP24	BX6	-X4*X1	COMPASS	12136	I	26	

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP24

1	COMPASS	-CMP24	BX1	-X0*X1		COMPASS	12137	I	1
2		-CMP24							2
3	COMPASS		ZR	X1,CRC3	IF END OF INPUT LINE	COMPASS	12138	I	3
4		-CMP24							4
5	COMPASS		SA1	A1+B1		COMPASS	12139	I	5
6		-CMP24							6
7	COMPASS	CRC3	SA7	B6+B7		COMPASS	12140	I	7
8		-CMP24							8
9	COMPASS		SB7	B7+B1		COMPASS	12141	I	9
10		-CMP24							10
11	COMPASS		BX5	-X3*X7		COMPASS	12142	I	11
12		-CMP24							12
13	COMPASS		ZR	X5,CRC4	IF END OF OUTPUT LINE	COMPASS	12143	I	13
14		-CMP24							14
15	COMPASS		NZ	B7,CRC2	LOOP	COMPASS	12144	I	15
16		-CMP24							16
17	COMPASS	CRC4	SX6	B7+10		COMPASS	12145	I	17
18		-CMP24							18
19	COMPASS		SA6	SQLGN		COMPASS	12146	I	19
20		-CMP24							20
21	COMPASS		RJ	RNC	READ NEXT CARD	COMPASS	12147	I	21
22		-CMP24							22
23	COMPASS		SX7	B1	SET CARD COUNT	COMPASS	12148	I	23
24		-CMP24							24
25	COMPASS		SA7	CCT		COMPASS	12149	I	25
26		-CMP24							26
27	COMPASS		SA5	A0+B1	CHECK FOR CONTINUE CARD	COMPASS	12150	I	27
28		-CMP24							28
29	COMPASS		MX0	60-6		COMPASS	12151	I	29
30		-CMP24							30
31	COMPASS		LX5	6		COMPASS	12152	I	31
32		-CMP24							32
33	COMPASS		BX6	-X0*X5		COMPASS	12153	I	33
34		-CMP24							34
35	COMPASS		SX7	X6-1R,		COMPASS	12154	I	35
36		-CMP24							36
37	COMPASS		NZ	X7,CRC	IF NO CONTINUATION	COMPASS	12155	I	37
38		-CMP24							38
39	COMPASS		SA7	SQLGN		COMPASS	12156	I	39
40		-CMP24							40
41	COMPASS		SX7	CARD+72		COMPASS	12157	I	41
42		-CMP24							42
43	COMPASS		SA7	CRCA		COMPASS	12158	I	43
44		-CMP24							44
45	COMPASS					COMPASS	12159	I	45
46		-CMP24							46
47	COMPASS	*		PROCESS CONTINUE CARD.		COMPASS	12160	I	47
48		-CMP24							48
49	COMPASS					COMPASS	12161	I	49
50		-CMP24							50
51	COMPASS	CRC5	SA1	CCT		COMPASS	12162	I	51

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP24

1	COMPASS	-CMP24	SB7	X1-NCARDS	COMPASS	12163	I	1
2		-CMP24						2
3	COMPASS		ZR	B7,CRC	COMPASS	12164	I	3
4		-CMP24		IF LIMIT OF CONTINUE CARDS				4
5	COMPASS	-CMP24	SA3	X7-1	COMPASS	12165	I	5
6		-CMP24						6
7	COMPASS	-CMP24	BX6	X3	COMPASS	12166	I	7
8		-CMP24						8
9	COMPASS	-CMP24	SA6	A3	COMPASS	12167	I	9
10		-CMP24						10
11	COMPASS	-CMP24	SA1	EDITFG	COMPASS	12168	I	11
12		-CMP24						12
13	COMPASS	-CMP24	BX7	X1	COMPASS	12169	I	13
14		-CMP24						14
15	COMPASS	-CMP24	SB7	9	COMPASS	12170	I	15
16		-CMP24						16
17	COMPASS	-CMP24	RJ	UPC	COMPASS	12171	I	17
18		-CMP24		UNPACK CARD				18
19	COMPASS	-CMP24	SA7	EDITFG	COMPASS	12172	I	19
20		-CMP24						20
21	COMPASS	-CMP24	SX7	A6-CARD+1	COMPASS	12173	I	21
22		-CMP24						22
23	COMPASS	-CMP24	SA7	LASTCOL	COMPASS	12174	I	23
24		-CMP24						24
25	COMPASS	-CMP24	SA1	CCT	COMPASS	12175	I	25
26		-CMP24						26
27	COMPASS	-CMP24	SX6	X1+B1	COMPASS	12176	I	27
28		-CMP24						28
29	COMPASS	-CMP24	SA6	A1	COMPASS	12177	I	29
30		-CMP24						30
31	COMPASS	-CMP24	RJ	RNC	COMPASS	12178	I	31
32		-CMP24		READ NEXT CARD				32
33	COMPASS	-CMP24	SA5	A0+B1	COMPASS	12179	I	33
34		-CMP24		CHECK FOR CONTINUE				34
35	COMPASS	-CMP24	MX0	60-6	COMPASS	12180	I	35
36		-CMP24						36
37	COMPASS	-CMP24	LX5	6	COMPASS	12181	I	37
38		-CMP24						38
39	COMPASS	-CMP24	BX6	-X0*X5	COMPASS	12182	I	39
40		-CMP24						40
41	COMPASS	-CMP24	SB7	X6-1R,	COMPASS	12183	I	41
42		-CMP24						42
43	COMPASS	-CMP24	NZ	B7,CRC	COMPASS	12184	I	43
44		-CMP24		IF END OF CONTINUE				44
45	COMPASS	-CMP24	SA1	CRCA	COMPASS	12185	I	45
46		-CMP24						46
47	COMPASS	-CMP24	SX7	X1+71	COMPASS	12186	I	47
48		-CMP24						48
49	COMPASS	-CMP24	SA7	A1	COMPASS	12187	I	49
50		-CMP24						50
51	COMPASS	-CMP24	EQ	CRC5	COMPASS	12188	I	51
52		-CMP24		LOOP FOR NEXT CARD				52

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-CMP24

[illegible]

-CMP24

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP24

1	COMPASS	-CMP24	SA1	CCT	INCREMENT CARD COUNT	COMPASS	12241	I	1
2		-CMP24							2
3	COMPASS		LX0	X1,B1		COMPASS	12242	I	3
4		-CMP24							4
5	COMPASS		SA6	SEQ+X0		COMPASS	12243	I	5
6		-CMP24							6
7	COMPASS		SA7	A6+B1		COMPASS	12244	I	7
8		-CMP24							8
9	COMPASS		SX6	X1+B1		COMPASS	12245	I	9
10		-CMP24							10
11	COMPASS		SA6	A1		COMPASS	12246	I	11
12		-CMP24							12
13	COMPASS					COMPASS	12247	I	13
14		-CMP24							14
15	COMPASS	*		READ NEXT CARD.		COMPASS	12248	I	15
16		-CMP24							16
17	COMPASS					COMPASS	12249	I	17
18		-CMP24							18
19	COMPASS		RJ	RCARD		COMPASS	12250	I	19
20		-CMP24							20
21	COMPASS		SA1	A0	CHECK FOR CONTINUE	COMPASS	12251	I	21
22		-CMP24							22
23	COMPASS		MX4	54		COMPASS	12252	I	23
24		-CMP24							24
25	COMPASS		LX1	6		COMPASS	12253	I	25
26		-CMP24							26
27	COMPASS		BX6	-X4*X1		COMPASS	12254	I	27
28		-CMP24							28
29	COMPASS		SB7	X6-1R,		COMPASS	12255	I	29
30		-CMP24							30
31	COMPASS		ZR	B7,CSC7	IF CONTINUE CARD	COMPASS	12256	I	31
32		-CMP24							32
33	COMPASS	CSC6	SX1	1R	CLEAR SEQUENCE FIELD	COMPASS	12257	I	33
34		-CMP24							34
35	COMPASS		SA4	LASTCOL		COMPASS	12258	I	35
36		-CMP24							36
37	COMPASS		SA2	CSCA		COMPASS	12259	I	37
38		-CMP24							38
39	COMPASS		SX7	X2-CARD+1		COMPASS	12260	I	39
40		-CMP24							40
41	COMPASS		SX4	X4+CARD-1		COMPASS	12261	I	41
42		-CMP24							42
43	COMPASS		SX3	X2+18		COMPASS	12262	I	43
44		-CMP24							44
45	COMPASS	+	IX5	X3-X4		COMPASS	12263	I	45
46		-CMP24							46
47	COMPASS		PL	X5,*+1		COMPASS	12264	I	47
48		-CMP24							48
49	COMPASS		BX3	X4		COMPASS	12265	I	49
50		-CMP24							50
51	COMPASS		SA7	A4		COMPASS	12266	I	51

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP24

1	COMPASS	-CMP24	RJ	PRESET	COMPASS	12267	I	1
2	COMPASS	-CMP24	EQ	CRCARD	COMPASS	12268	I	2
3	COMPASS	-CMP24			COMPASS	12269	I	3
4	COMPASS	-CMP24			COMPASS	12270	I	4
5	COMPASS	-CMP24			COMPASS	12271	I	5
6	COMPASS	*		PROCESS CONTINUE CARD.	COMPASS	12272	I	6
7	COMPASS	-CMP24			COMPASS	12273	I	7
8	COMPASS	-CMP24			COMPASS	12274	I	8
9	COMPASS	-CMP24	SA1	CCT	COMPASS	12275	I	9
10	COMPASS	-CMP24	SA3	CSCA	COMPASS	12276	I	10
11	COMPASS	-CMP24	SX7	X1-NCARDS	COMPASS	12277	I	11
12	COMPASS	-CMP24	ZR	X7,CSC6 IF LIMIT OF CONTINUE CARDS	COMPASS	12278	I	12
13	COMPASS	-CMP24	SA5	X3-1 SET (A6) TO LAST CHARACTER	COMPASS	12279	I	13
14	COMPASS	-CMP24	SA1	EDITFG	COMPASS	12280	I	14
15	COMPASS	-CMP24	BX7	X1	COMPASS	12281	I	15
16	COMPASS	-CMP24	BX6	X5	COMPASS	12282	I	16
17	COMPASS	-CMP24	SA6	A5	COMPASS	12283	I	17
18	COMPASS	-CMP24	SB2	A5 (B2) = FIRST CHARACTER POSITION	COMPASS	12284	I	18
19	COMPASS	-CMP24	SA5	A0	COMPASS	12285	I	19
20	COMPASS	-CMP24	LX5	6	COMPASS	12286	I	20
21	COMPASS	-CMP24	SB7	9	COMPASS	12287	I	21
22	COMPASS	-CMP24	EQ	CSC1 LOOP	COMPASS	12288	I	22
23	COMPASS	-CMP24			COMPASS	12289	I	23
24	COMPASS	-CMP24			COMPASS	12290	I	24
25	COMPASS	-CMP24			COMPASS	12291	I	25
26	COMPASS	-CMP24			COMPASS	12292	I	26
27	COMPASS	-CMP24			COMPASS	12293	I	27
28	COMPASS	-CMP24			COMPASS	12294	I	28
29	COMPASS	-CMP24			COMPASS	12295	I	29
30	COMPASS	-CMP24			COMPASS	12296	I	30
31	COMPASS	-CMP24			COMPASS	12297	I	31
32	COMPASS	-CMP24			COMPASS	12298	I	32
33	COMPASS	-CMP24			COMPASS	12299	I	33
34	COMPASS	-CMP24			COMPASS	12300	I	34
35	COMPASS	-CMP24			COMPASS	12301	I	35
36	COMPASS	-CMP24			COMPASS	12302	I	36
37	COMPASS	-CMP24			COMPASS	12303	I	37
38	COMPASS	-CMP24			COMPASS	12304	I	38
39	COMPASS	-CMP24			COMPASS	12305	I	39
40	COMPASS	-CMP24			COMPASS	12306	I	40
41	COMPASS	-CMP24			COMPASS	12307	I	41
42	COMPASS	-CMP24			COMPASS	12308	I	42
43	COMPASS	-CMP24			COMPASS	12309	I	43
44	COMPASS	-CMP24			COMPASS	12310	I	44
45	COMPASS	-CMP24			COMPASS	12311	I	45
46	COMPASS	-CMP24			COMPASS	12312	I	46
47	COMPASS	-CMP24			COMPASS	12313	I	47
48	COMPASS	-CMP24			COMPASS	12314	I	48
49	COMPASS	-CMP24			COMPASS	12315	I	49
50	COMPASS	-CMP24			COMPASS	12316	I	50
51	COMPASS	-CMP24			COMPASS	12317	I	51
52	COMPASS	-CMP24			COMPASS	12318	I	52
53	COMPASS	-CMP24			COMPASS	12319	I	53
54	COMPASS	-CMP24			COMPASS	12320	I	54
55	COMPASS	-CMP24			COMPASS	12321	I	55
56	COMPASS	-CMP24			COMPASS	12322	I	56
57	COMPASS	-CMP24			COMPASS	12323	I	57
58	COMPASS	-CMP24			COMPASS	12324	I	58
59	COMPASS	-CMP24			COMPASS	12325	I	59
60	COMPASS	-CMP24			COMPASS	12326	I	60

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SB7	30	COMPASS	12297	A	
COMPASS	CWI1	AX2	X1,B7	COMPASS	12298	A
COMPASS		SA3	X1	COMPASS	12299	A
COMPASS		SA4	X2	COMPASS	12300	A
COMPASS		BX0	-X3*X4	COMPASS	12301	A
COMPASS		SA1	A1+B1	COMPASS	12302	A
COMPASS		ZR	X0,CWI1 IF LIST TEST DOESNT FAIL	COMPASS	12303	A
COMPASS		SX6	A1-/PASS2/RISA-/PASS2/RISAL	COMPASS	12304	A
COMPASS		NZ	X6,CWI IF LINE WILL NOT LIST	COMPASS	12305	A
COMPASS	CWI2	RJ	WINTER WRITE INTERMEDIATE	COMPASS	12306	A
COMPASS		EQ	CWI RETURN	COMPASS	12307	A
COMPASS	DSL	SPACE	4	COMPASS	12308	A
COMPASS	**	DSL -	DEFINE SYMBOL LITERALS.	COMPASS	12309	A
COMPASS	*	USES	P1TEMP, P1TEMPA.	COMPASS	12310	I
COMPASS	-CMP19					
COMPASS	*	USES	P1TEMP, P1TEMPA, P1TEMPB.	CMP19	295	I
COMPASS	-CP154					
COMPASS	*	USES	P1TEMP, P1TEMPA, P1TEMPB, P1TEMPC.	CP154	13	A
COMPASS				COMPASS	12311	A
COMPASS				COMPASS	12312	A
COMPASS	DSL7	SA1	QVAL+1 RESTORE QUALIFIER	CMP19	296	A
COMPASS		BX6	X1	CMP19	297	A
COMPASS		SA6	A1-B1	CMP19	298	A
COMPASS				CMP19	299	A
COMPASS	DSL	PS	RETURN EXIT	COMPASS	12313	A
COMPASS		SA1	L.SLITS	COMPASS	12314	I
COMPASS	-CMP19					
COMPASS	DSL1	SX6	X1-1	COMPASS	12315	I
COMPASS	-CMP19					
COMPASS		ZR	X1,DSL IF SYMBOL LITERALS COMPLETE	COMPASS	12316	I
COMPASS	-CMP19					
COMPASS		SA2	QVAL	CMP19	300	A
COMPASS		SA3	LOCSYM	CMP19	301	A
COMPASS		SA1	L.SLITS	CMP19	302	A
COMPASS		BX7	X2	CMP19	303	A
COMPASS		SA7	A2+B1	CMP19	304	A
COMPASS		BX6	X2+X3 SAVE POSSIBLY QUALIFIED END CARD SYMBOL	CMP19	305	A
COMPASS		SA6	P1TEMPB	CMP19	306	A
COMPASS	DSL1	SA2	DI	CMP19	307	A
COMPASS		SX6	X1-1	CMP19	308	A
COMPASS		IX2	X2-X1	CMP19	309	A
COMPASS		ZR	X2,DSL7 IF SYMBOL LITERALS COMPLETE	CMP19	310	A
COMPASS		SA6	P1TEMP SAVE INDEXING COUNT	COMPASS	12317	A
COMPASS		SA1	O.SLITS FETCH NEXT LITERALS	COMPASS	12318	I
COMPASS	-CMP19					
COMPASS		SB7	X1	COMPASS	12319	I
COMPASS	-CMP19					
COMPASS		SA2	X6+B7	COMPASS	12320	I
COMPASS	-CMP19					
COMPASS		SA2	O.SLITS FETCH NEXT LITERAL	CMP19	311	A
COMPASS		SB7	X6	CMP19	312	A
COMPASS		SA2	X2+B7	CMP19	313	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	NG	X2,DSL3	IF DEFINED	COMPASS	12321	A	
1	COMPASS	MX0	12		COMPASS	12322	A	
2	COMPASS	BX1	-X0*X2		COMPASS	12323	A	
3	COMPASS	AX2	48		COMPASS	12324	I	
4	-CMP19							
5	COMPASS	MX0	9	SET QUALIFIER	CMP19	314	A	
6	COMPASS	LX0	-3		CMP19	315	A	
7	COMPASS	BX7	X0*X2		CMP19	316	A	
8	COMPASS	AX2	57		CMP19	317	A	
9	COMPASS	SA7	QVAL		CMP19	318	A	
10	COMPASS	BX6	X2		COMPASS	12325	A	
11	COMPASS	SA6	A6+B1	STORE TYPE FLAG	COMPASS	12326	A	
12	COMPASS	SA4	LOCSYM	CHECK IF THIS IS END CARD SYMBOL	COMPASS	12327	I	
13	-CMP19							
14	COMPASS	SA4	P1TEMPB	CHECK IF THIS IS END CARD SYMBOL	CMP19	319	A	
15	COMPASS	BX5	X1-X4		COMPASS	12328	A	
16	COMPASS	BX5	X5-X7		CMP19	320	A	
17	COMPASS	ZR	X5,DSL3		COMPASS	12329	A	
18	COMPASS	RJ	TLUSYMT	LOOK UP SYMBOL	COMPASS	12330	A	
19	COMPASS	SA4	P1TEMPA		COMPASS	12331	A	
20	COMPASS	NZ	X2,DSL3	IF SYMBOL IS ALREADY DEFINED	COMPASS	12332	I	
21	-CMP19							
22	COMPASS	LX2	59-30		CMP19	321	A	
23	COMPASS	NG	X2,DSL3	IF SYMBOL IS ALREADY DEFINED	CMP19	322	A	
24	COMPASS	SB7	X4	TYPE FLAG	COMPASS	12333	A	
25	COMPASS	SX0	B1		COMPASS	12334	A	
26	COMPASS	JP	DSL2-1+B7	JUMP ACCORDING TO TYPE OF LITERAL	COMPASS	12335	I	
27	-CP154							
28	COMPASS	JP	DSL2+B7	JUMP ACCORDING TO TYPE OF LITERAL	CP154	14	A	
29	COMPASS				COMPASS	12336	A	
30	COMPASS				COMPASS	12337	A	
31	COMPASS	DSL2	BSS	0	COMPASS	12338	A	
32	COMPASS				CP154	15	A	
33	COMPASS	+	MX6	1 =Y LITERAL (WEAK EXTERNAL)	CP154	16	A	
34	COMPASS		EQ	DSL6	CP154	17	A	
35	COMPASS				COMPASS	12339	A	
36	COMPASS	+	SA2	0.USETAB =S LITERAL	COMPASS	12340	A	
37	COMPASS		EQ	DSL4	COMPASS	12341	A	
38	COMPASS				COMPASS	12342	A	
39	COMPASS	+	SA2	L.EXTAB EXT (=X TYPE)	COMPASS	12343	I	
40	-CP154							
41	COMPASS	+	MX6	0 =X LITERAL (STRONG EXTERNAL)	CP154	18	A	
42	COMPASS		EQ	DSL6	COMPASS	12344	A	
43	COMPASS				CPS0253	11	A	
44	COMPASS	DSL2A	SX6	B1	CPS0253	12	A	
45	COMPASS		SA6	EFLG	CPS0253	13	A	
46	COMPASS		SA6	FERR	CPS0253	14	A	
47	COMPASS				COMPASS	12345	A	
48	COMPASS				COMPASS	12346	A	
49	COMPASS	*	MULTIPLE OR ALREADY DEFINED.			COMPASS	12347	A
50	COMPASS				COMPASS	12348	A	
51	COMPASS	DSL3	SA1	P1TEMP MULTIPLE OR ALREADY DEFINED	COMPASS	12349	A	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	EQ	DSL1	COMPASS	12350	A
COMPASS			COMPASS	12351	A
COMPASS *	=S	SYMBOL LITERAL.	COMPASS	12352	A
COMPASS			COMPASS	12353	A
COMPASS	DSL4	SA2 X2+7	COMPASS	12354	I
-CMP19					
COMPASS	SX3	B1+B1	COMPASS	12355	I
-CMP19					
COMPASS	DSL4	SA3 UI	CMP19	323	A
COMPASS		SA4 A3+B1	CMP19	324	A
COMPASS		IX2 X2+X3	CMP19	325	A
COMPASS		SX3 X4+B1	CMP19	326	A
COMPASS		SA2 X2+7	CMP19	327	I
-CMP30					
COMPASS	SA2	X2+4+1	CMP30	4107	A
COMPASS	MX4	0	COMPASS	12356	A
COMPASS	BX5	X5-X5	COMPASS	12357	A
COMPASS	IX6	X2+X0	COMPASS	12358	A
COMPASS	SA6	A2	COMPASS	12359	A
COMPASS	RJ	YDEFSYM	COMPASS	12360	A
COMPASS	DSL5	SA1 P1TEMP	COMPASS	12361	A
COMPASS		SA2 0.SLITS	COMPASS	12362	A
COMPASS	SB7	X2	COMPASS	12363	I
-CMP19					
COMPASS	SA2	X1+B7	COMPASS	12364	I
-CMP19					
COMPASS	SB7	X1	CMP19	328	A
COMPASS	SA2	X2+B7	CMP19	329	A
COMPASS	MX0	1	COMPASS	12365	A
COMPASS	BX6	X2+X0	COMPASS	12366	A
COMPASS	SA6	X1+B7	COMPASS	12367	I
-CMP19					
COMPASS	SA6	A2	CMP19	330	A
COMPASS	EQ	DSL1	COMPASS	12368	A
COMPASS		LOOP			
COMPASS			COMPASS	12369	A
COMPASS *	=X	SYMBOL LITERAL.	COMPASS	12370	A
COMPASS			COMPASS	12371	A
COMPASS	DSL6	SA4 ABSFG	COMPASS	12372	I
-CP154					
COMPASS	DSL6	SA2 L.EXTAB	CP154	19	A
COMPASS		SA6 P1TEMPC	CP154	20	A
COMPASS		SA4 ABSFG	CP154	21	A
COMPASS	NZ	X4,DSL3	COMPASS	12373	A
COMPASS	BX6	X1	COMPASS	12374	A
COMPASS	RJ	VFYLINK	COMPASS	12375	A
COMPASS	NZ	X7,DSL3	COMPASS	12376	A
COMPASS		IF INAPPROPRIATE AS A LINKAGE SYMBOL			
COMPASS	SA3	L.EXTAB	CPS0253	15	A
COMPASS	SX3	X3-777B	CPS0253	16	A
COMPASS	PL	X3,DSL2A	CPS0253	17	A
COMPASS		IF EXCEEDS 511 EXTERNALS			
COMPASS	SX4	X2+B1	COMPASS	12377	A
COMPASS	BX2	X2-X2	COMPASS	12378	A
COMPASS	MX3	0	COMPASS	12379	A
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS		SX5	B0		COMPASS	12380	A	
1	COMPASS		MX7	0		CMP19	331	A	1
2	COMPASS		SA7	QVAL	SET QUALIFIER	CMP19	332	A	2
3	COMPASS		RJ	YDEFSYM	DEFINE AS EXTERNAL SYMBOL	COMPASS	12381	A	3
4	COMPASS		SA2	P1TEMPC	RECLAIM WEAK-EXT BIT	CP154	22	A	5
5	COMPASS		BX1	X1+X2		CP154	23	A	6
6	COMPASS		ADDWORD	EXTAB	ADD ENTRY TO EXTERNAL TABLE	COMPASS	12382	A	7
7	COMPASS		EQ	DSL5		COMPASS	12383	A	8
8	COMPASS	EDIT	SPACE	4		COMPASS	12384	A	9
9	COMPASS	**	EDIT - EDIT STATEMENT TO REMOVE MICROS/CONCATENATION.			COMPASS	12385	A	10
10	COMPASS	*	EDIT IS A NULL FUNCTION IF (EDITFG) IS POSITIVE, OR IF CARD			COMPASS	12386	A	11
11	COMPASS	*	IS A COMMENT. OTHERWISE, EDIT WILL SCAN THE CARD CHECKING			COMPASS	12387	A	12
12	COMPASS	*	FOR * * AND "*" MARKS. THE CARD IS WRITTEN ON THE			COMPASS	12388	A	13
13	COMPASS	*	INTERMEDIATE (MICFLG = 1) AND A NEW CARD IS CREATED.			COMPASS	12389	A	14
14	COMPASS	*	EXIT (CCT) = CARD COUNT.			COMPASS	12390	A	15
15	COMPASS	*	(LASTCOL) = INDEX OF LAST CHARACTER.			COMPASS	12391	A	16
16	COMPASS					COMPASS	12392	A	17
17	COMPASS					COMPASS	12393	A	18
18	COMPASS	EDIT	PS		RETURN EXIT	COMPASS	12394	A	19
19	COMPASS		SA2	EDITFG		COMPASS	12395	A	20
20	COMPASS		PL	X2,EDIT	IF NO EDITING	COMPASS	12396	A	21
21	COMPASS		SA1	CARD		COMPASS	12397	A	22
22	COMPASS		SB7	X1-1R*		COMPASS	12398	A	23
23	COMPASS		ZR	B7,EDIT	IF COMMENT CARD	COMPASS	12399	A	24
24	COMPASS		SA4	LASTCOL	CHECK FOR CONCATENATION AND MICRO MARKS	COMPASS	12400	A	25
25	COMPASS		SX2	B1		COMPASS	12401	A	26
26	COMPASS		SB3	X4		COMPASS	12402	I	27
27		-CMP64G							28
28	COMPASS		SB7	X1		COMPASS	12403	I	29
29		-CMP64G							30
30	COMPASS		MX6	0		COMPASS	12404	I	31
31		-CMP64G							32
32	COMPASS		LX3	X2,B7		COMPASS	12405	I	33
33		-CMP64G							34
34	COMPASS		SB3	B3-B1		COMPASS	12406	I	35
35		-CMP64G							36
36	COMPASS		SA1	A1+B1		COMPASS	12407	I	37
37		-CMP64G							38
38	COMPASS		SB7	X1		CMP64G	145	A	39
39	COMPASS		LX4	-1		CMP64G	146	A	40
40	COMPASS		BX6	X6-X6		CMP64G	147	A	41
41	COMPASS		SA5	A1+B1		CMP64G	148	A	42
42	COMPASS		SB3	X4		CMP64G	149	A	43
43	COMPASS		PL	X4,EDT1	IF (LASTCOL) IS EVEN	CMP64G	150	A	44
44	COMPASS		SA1	A1+B1		CMP64G	151	A	45
45	COMPASS		SA5	A5+B1		CMP64G	152	A	46
46	COMPASS		LX3	X2,B7		CMP64G	153	A	47
47	COMPASS		BX6	X6+X3		CMP64G	154	A	48
48	COMPASS		SB7	X1		CMP64G	155	A	49
49	COMPASS	EDT1	SA1	A5+B1		CMP64G	156	A	50
50	COMPASS		LX3	X2,B7		CMP64G	157	A	51
51	COMPASS		SB3	B3-B1		CMP64G	158	A	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS		BX6	X6+X3		CMP64G	159	A	
1	COMPASS		SB7	X5		CMP64G	160	A	1
2	COMPASS		LX3	X2,B7		CMP64G	161	A	2
3	COMPASS		SA5	A1+B1		CMP64G	162	A	3
4	COMPASS		BX6	X6+X3		COMPASS	12408	A	4
5	COMPASS		SB7	X1		COMPASS	12409	A	5
6	COMPASS		PL	B3,EDT1	IF NOT END OF CARD	COMPASS	12410	I	6
7		-CMP12							7
8	COMPASS		GE	B3,B1,EDT1	IF NOT END OF CARD	CMP12	20	A	8
9	COMPASS		LX6	59-MICMARK		COMPASS	12411	A	9
10	COMPASS		NG	X6,EDT6	IF MICRO MARK	COMPASS	12412	A	10
11	COMPASS		LX6	60+MICMARK-CONCAT		COMPASS	12413	A	11
12	COMPASS		PL	X6,EDIT	IF NO CONCATENATION MARK	COMPASS	12414	A	12
13	COMPASS					COMPASS	12415	A	13
14	COMPASS	*		REMOVE CONCATENATION MARK ONLY.		COMPASS	12416	A	14
15	COMPASS					COMPASS	12417	A	15
16	COMPASS		SX6	B1	WRITE CARD ON INTERMEDIATE	COMPASS	12418	A	16
17	COMPASS		SA6	MICFLG		COMPASS	12419	A	17
18	COMPASS		RJ	CWI		COMPASS	12420	A	18
19	COMPASS		SA4	LASTCOL		COMPASS	12421	A	19
20	COMPASS		SA1	STYPE		COMPASS	12422	A	20
21	COMPASS		SB2	-CONCAT		COMPASS	12423	A	21
22	COMPASS		SB3	X4+CARD		COMPASS	12424	I	22
23		-CMP12							23
24	COMPASS		SB3	X4+CARD-1	(B3) = LWA OF STATEMENT	CMP12	21	A	24
25	COMPASS		SB4	X4		COMPASS	12425	A	25
26	COMPASS		BX6	X1		COMPASS	12426	A	26
27	COMPASS		SA6	STYPE		COMPASS	12427	A	27
28	COMPASS	EDT2	SA1	A1+B1	REMOVE CONCATENATION	COMPASS	12428	A	28
29	COMPASS		SB4	B4-B1		COMPASS	12429	A	29
30	COMPASS		SX7	X1+B2		COMPASS	12430	A	30
31	COMPASS		BX6	X1		COMPASS	12431	A	31
32	COMPASS		ZR	X7,EDT2	IF CONCATENATION	COMPASS	12432	A	32
33	COMPASS		SA6	A6+B1		COMPASS	12433	A	33
34	COMPASS		PL	B4,EDT2	LOOP TO END OF CARD	COMPASS	12434	I	34
35		-CMP12							35
36	COMPASS		GE	B4,B1,EDT2	LOOP TO END OF CARD	CMP12	22	A	36
37	COMPASS					COMPASS	12435	A	37
38	COMPASS	*		PROCESS END OF CARD.		COMPASS	12436	A	38
39	COMPASS					COMPASS	12437	A	39
40	COMPASS	EDT3	SB5	A6		COMPASS	12438	A	40
41	COMPASS		SB6	A6		COMPASS	12439	A	41
42	COMPASS		SB7	A6		COMPASS	12440	I	42
43		-CMP12							43
44	COMPASS		SX7	A6-CARD+1		COMPASS	12441	A	44
45	COMPASS	+	NZ	X7,*+1	IF NOT ALL BLANKS	CMP27	18	A	45
46	COMPASS		SX7	B1		CMP27	19	A	46
47	COMPASS		SA7	LASTCOL		COMPASS	12442	A	47
48	COMPASS		SX6	1R		COMPASS	12443	A	48
49	COMPASS		GE	B7,B3,EDT4	IF STORE IS PAST PREVIOUS LAST COLUMN	COMPASS	12444	I	49
50		-CMP12							50
51	COMPASS		GE	B6,B3,EDT4	IF NEW (LASTCOL) \ OLD (LASTCOL)	CMP12	23	A	51
52									52
53		0	1	2	3	4	5	6	53
54									54

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SB7	B3	COMPASS	12445	A		
COMPASS	EDT4	SB6	B6+B1	CLEAR TO END OF CARD	COMPASS	12446	I
-CMP12							
COMPASS	+	SB6	B6+B1	CLEAR TO END OF CARD	CMP12	24	A
COMPASS		SA6	A6+B1		COMPASS	12447	A
COMPASS		LT	B6,B7,EDT4		COMPASS	12448	I
-CMP12							
COMPASS		MX6	0		COMPASS	12449	I
-CMP12							
COMPASS		LT	B6,B3,*		CMP12	25	A
COMPASS	EDT4	MX6	0		CMP12	26	A
COMPASS		SA6	SQLGN		COMPASS	12450	A
COMPASS		SA6	MICFLG		COMPASS	12451	A
COMPASS		SX7	B0	COUNT NUMBER OF CARDS	COMPASS	12452	A
COMPASS		SB6	71		COMPASS	12453	A
COMPASS		SB5	B5-CARD-1		COMPASS	12454	I
-CMP12							
COMPASS		SB5	B5-CARD		CMP12	27	A
COMPASS	EDT5	SB5	B5-B6		COMPASS	12455	A
COMPASS		SX7	X7+B1		COMPASS	12456	A
COMPASS		GT	B5,EDT5	LOOP	COMPASS	12457	A
COMPASS		SA7	CCT		COMPASS	12458	A
COMPASS		SX5	X7-1		COMPASS	12459	A
COMPASS		ZR	X5,EDIT	RETURN	COMPASS	12460	A
COMPASS		SA1	SEQ	COPY SEQUENCE FIELDS	COMPASS	12461	A
COMPASS		SA2	CP.IFORM		CPS213	5	A
COMPASS		LX2	59-0		CPS213	6	A
COMPASS		PL	X2,EDT5.2	IF NOT MODIFY FORMAT	CPS213	7	A
COMPASS		BX6	X1		CPS213	8	A
COMPASS		SA6	A1		CPS213	9	A
COMPASS	EDT5.1	SA6	A6+1	COPY ONE WORD MODIFY SEQUENCE NUMBERS	CPS213	10	A
COMPASS		SX5	X5-1		CPS213	11	A
COMPASS		NZ	X5,EDT5.1	LOOP	CPS213	12	A
COMPASS		EQ	EDIT	RETURN	CPS213	13	A
COMPASS					CPS213	14	A
COMPASS	EDT5.2	BSS	0	COPY TWO WORD UPDATE SEQUENCE FIELDS	CPS213	15	A
COMPASS		SA2	A1+B1		COMPASS	12462	A
COMPASS		BX6	X1		COMPASS	12463	A
COMPASS		LX7	X2		COMPASS	12464	A
COMPASS		SA7	A2		COMPASS	12465	A
COMPASS	+	SA6	A7+B1		COMPASS	12466	A
COMPASS		SA7	A6+B1		COMPASS	12467	A
COMPASS		SX5	X5-1		COMPASS	12468	A
COMPASS		NZ	X5,*-1	LOOP	COMPASS	12469	A
COMPASS		EQ	EDIT	RETURN	COMPASS	12470	A
COMPASS					COMPASS	12471	A
COMPASS	*			REMOVE CONCATENATION AND REPLACE MICROS.	COMPASS	12472	A
COMPASS					COMPASS	12473	A
COMPASS	EDT6	SX6	B1	WRITE CARD ON INTERMEDIATE	COMPASS	12474	A
COMPASS		SA6	MICFLG		COMPASS	12475	A
COMPASS		RJ	CWI		COMPASS	12476	A
COMPASS		SX0	2074B	PACK CARD REMOVING CONCATENATION	COMPASS	12477	I

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP64G

1	COMPASS					CMP64G	163	A		1
2	COMPASS	*			PACK CARD REMOVING CONCATENATION.	CMP64G	164	A		2
3	COMPASS					CMP64G	165	A		3
4	COMPASS		SB7	60		CMP64G	166	A		4
5	COMPASS		SA1	STYPE		COMPASS	12478	A		5
6	COMPASS		SA4	LASTCOL		COMPASS	12479	A		6
7	COMPASS		SB2	CONCAT		COMPASS	12480	A		7
8	COMPASS		SB5	X4+B1		COMPASS	12481	A		8
9	COMPASS		SB6	NCARDS		COMPASS	12482		I	9
10		-CMP64G								10
11	COMPASS		LX0	48		COMPASS	12483		I	11
12		-CMP64G								12
13	COMPASS		UX6	B7,X0		COMPASS	12484		I	13
14		-CMP64G								14
15	COMPASS		SB4	6		COMPASS	12485		I	15
16		-CMP64G								16
17	COMPASS		SB6	6		CMP64G	167	A		17
18	COMPASS		BX6	X6-X6		CMP64G	168	A		18
19	COMPASS		PX0	X6,B7		CMP64G	169	A		19
20	COMPASS		SB4	B5		CMP64G	170	A		20
21	COMPASS		SA6	SQIMAGE		COMPASS	12486	A		21
22	COMPASS					COMPASS	12487	A		22
23	COMPASS	EDT7	LX5	X6,B4		COMPASS	12488		I	23
24		-CMP64G								24
25	COMPASS		BX6	X5+X1		COMPASS	12489		I	25
26		-CMP64G								26
27	COMPASS	EDT7	LX6	6	PACK CHARACTER	CMP64G	171	A		27
28	COMPASS		SB7	B7-B6		CMP64G	172	A		28
29	COMPASS		BX6	X6+X1		CMP64G	173	A		29
30	COMPASS		SA1	A1+B1		COMPASS	12490	A		30
31	COMPASS		SB7	B7-B4		COMPASS	12491		I	31
32		-CMP64G								32
33	COMPASS	EDT8	NZ	B7,EDT9	IF NOT END OF CARD	COMPASS	12492		I	33
34		-CMP64G								34
35	COMPASS	EDT8	NZ	B7,EDT9	IF WORD NOT FULL	CMP64G	174	A		35
36	COMPASS		SA6	A6+B1		COMPASS	12493	A		36
37	COMPASS		UX6	B7,X0		COMPASS	12494		I	37
38		-CMP64G								38
39	COMPASS		UX6,B7	X0		CMP64G	175	A		39
40	COMPASS	EDT9	SB5	B5-B1		COMPASS	12495	A		40
41	COMPASS		SB3	X1		COMPASS	12496	A		41
42	COMPASS		ZR	B5,EDT10	IF END OF CARD	COMPASS	12497	A		42
43	COMPASS		NE	B3,B2,EDT7	IF NOT CONCATENATION	COMPASS	12498	A		43
44	COMPASS		SB4	B4-B1		CMP64G	176	A		44
45	COMPASS		SA1	A1+B1		COMPASS	12499	A		45
46	COMPASS		EQ	EDT8	LOOP	COMPASS	12500		I	46
47		-CMP64G								47
48	COMPASS		EQ	EDT9	LOOP	CMP64G	177	A		48
49	COMPASS	EDT10	LX6	X6,B7		COMPASS	12501	A		49
50	COMPASS		SA6	A6+B1		COMPASS	12502	A		50
51	COMPASS					COMPASS	12503	A		51

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## 1412THE

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[illegible]

## 1412THE

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- CMP18

[illegible]

LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	EDITM	VFD	1/,MICMARK/1,EX/1,\$/	COMPASS	12601	I
	COMPASS	-CMP26	IFLT	CONCAT,MICMARK,2	COMPASS	12602	I
	COMPASS	EX	SET	MICMARK-CONCAT	COMPASS	12603	I
	COMPASS	EDITM	VFD	1/,CONCAT/1,EX/1,\$/	COMPASS	12604	I
	COMPASS	EDITM	BSS	0	CMP26	42	A
	COMPASS		POS	60-MICMARK	CMP26	43	A
	COMPASS		VFD	1/1	CMP26	44	A
	COMPASS		POS	60-CONCAT	CMP26	45	A
	COMPASS		VFD	1/1	CMP26	46	A
	COMPASS		POS	0	CMP26	47	A
	COMPASS	EMT	SPACE	4	COMPASS	12605	A
	COMPASS	**	EMT -	ENTER MICRO TABLE.	COMPASS	12606	A
	COMPASS	*	ENTRY	(X6) = NUMBER OF WORDS IN MICRO.	COMPASS	12607	A
	COMPASS	*		(RELVEC+1) = MICRO.	COMPASS	12608	I
	COMPASS	*		(RELVEC) = MICRO.	CMP18	125	A
	COMPASS				COMPASS	12609	A
	COMPASS				COMPASS	12610	A
	COMPASS	EMT	PS	RETURN EXIT	COMPASS	12611	A
	COMPASS		SA6	P1TEMP	COMPASS	12612	A
	COMPASS		SA5	LOCSYM	COMPASS	12613	A
	COMPASS		SA2	BADLOC	COMPASS	12614	A
	COMPASS		ZR	X5,EMT5	COMPASS	12615	A
	COMPASS		NZ	X2,EMT5	COMPASS	12616	A
	COMPASS		SA2	O.MICTAB	COMPASS	12617	A
	COMPASS		SA4	L.MICTAB	COMPASS	12618	A
	COMPASS		BX6	X5	COMPASS	12619	I
	COMPASS	-CMP18					
	COMPASS		SB7	X4	COMPASS	12620	I
	COMPASS	-CMP18					
	COMPASS		SA6	RELVEC	COMPASS	12621	I
	COMPASS	-CMP18					
	COMPASS		ZR	B7,EMT2	COMPASS	12622	I
	COMPASS	-CMP18					
	COMPASS		SB7	X6	CMP18	126	A
	COMPASS		SB2	X4-1	CMP18	127	A
	COMPASS		PX6	X5,B7	CMP18	128	A
	COMPASS		SA6	RELVEC-1+B7	CMP18	129	A
	COMPASS		SA6	X2	COMPASS	12623	A
	COMPASS		SB2	B7-2	COMPASS	12624	I
	COMPASS	-CMP18					
	COMPASS	EMT1	SA3	X2+B2	COMPASS	12625	A
	COMPASS		SB2	B2-B1	COMPASS	12626	I
	COMPASS	-CMP18					
	COMPASS		BX1	X5-X3	COMPASS	12627	I
	COMPASS	-CMP18					
	COMPASS		UX1,B7	X3	CMP18	130	A
	COMPASS		BX1	X1-X5	CMP18	131	A
		0	1	2	3	4	5
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SB2	B2-B7			CMP18	132	A	
COMPASS	NZ	X1,EMT1	IF NAME NOT FOUND		COMPASS	12628	A	
COMPASS	PL	B2,EMT3	IF NAME FOUND		COMPASS	12629		I
-CMP18								
COMPASS	NG	B2,EMT2	IF NAME NOT IN TABLE		CMP18	133		I
-CMP042								
COMPASS	MI	B2,EMT3	IF NAME NOT IN TABLE		CMP042	267	A	
COMPASS	IX1	X2+X4			CMP18	134	A	
COMPASS	SX2	A3+B1			CMP18	135	A	
COMPASS	SB7	-B7			CMP18	136	A	
COMPASS	IX1	X1-X2			CMP18	137	A	
COMPASS	SX7	X4+B7			CMP18	138	A	
COMPASS	SX3	X2+B7			CMP18	139	A	
COMPASS	SA7	A4	REDUCE MICRO TABLE LENGTH		CMP18	140		I
-CMP042								
COMPASS	SA7	P1TEMPA			CMP042	268	A	
COMPASS	ZR	X1,EMT2			CMP18	141	A	
COMPASS	RJ	MOVE	ELIMINATE OLD DEFINITION		CMP18	142	A	
COMPASS	EMT2	P1TEMP	GET ROOM FOR MICRO		COMPASS	12630		I
-CMP042								
COMPASS	RJ	ASU	ACCUMULATE STORAGE USED		CMP042	269	A	
COMPASS	SA1	P1TEMPA			CMP042	270	A	
COMPASS	BX6	X1	REDUCE MICRO TABLE LENGTH		CMP042	271	A	
COMPASS	SA6	L.MICTAB			CMP042	272	A	
COMPASS	EMT3	P1TEMP	GET ROOM FOR MICRO		CMP042	273	A	
COMPASS	MANAGE	MICTAB,X1			COMPASS	12631	A	
COMPASS	SA1	P1TEMP	STORE MICRO		COMPASS	12632	A	
COMPASS	IX4	X2+X3			COMPASS	12633	A	
COMPASS	SX2	RELVEC			COMPASS	12634	A	
COMPASS	IX3	X4-X1			COMPASS	12635	A	
COMPASS	RJ	MOVE			COMPASS	12636	A	
COMPASS	EQ	EMT			COMPASS	12637	A	
COMPASS	EMT3	MX0	54	ELIMINATE OLD DEFINITION	COMPASS	12638		I
-CMP18								
COMPASS	SX3	A3			COMPASS	12639		I
-CMP18								
COMPASS	SA2	A3			COMPASS	12640		I
-CMP18								
COMPASS	SB2	B2+B1			COMPASS	12641		I
-CMP18								
COMPASS	EMT4	BX4	-X0*X2	SEARCH FOR END OF MICRO	COMPASS	12642		I
-CMP18								
COMPASS	SB7	B7-B1			COMPASS	12643		I
-CMP18								
COMPASS	SA2	A2+B1			COMPASS	12644		I
-CMP18								
COMPASS	NZ	X4,EMT4			COMPASS	12645		I
-CMP18								
COMPASS	SX7	B7	SET MICRO TABLE LENGTH		COMPASS	12646		I
-CMP18								
COMPASS	SA7	A4			COMPASS	12647		I
-CMP18								

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SX2	A2	COMPASS	12648	I
-CMP18					
COMPASS	SX1	B7-B2	COMPASS	12649	I
-CMP18					
COMPASS	RJ	MOVE	COMPASS	12650	I
-CMP18					
COMPASS	EQ	EMT2	COMPASS	12651	I
-CMP18					
COMPASS	EMT5	SX6 B1 SET L-ERROR	COMPASS	12652	A
COMPASS	SA6	EFLG	COMPASS	12653	A
COMPASS	SA6	LERR	COMPASS	12654	A
COMPASS	EQ	CTL70	COMPASS	12655	A
COMPASS	GSM	SPACE 4	COMPASS	12656	A
COMPASS	**	GSM - GENERATE SYSTEMS MACRO TEXT.	COMPASS	12657	A
COMPASS			COMPASS	12658	A
COMPASS			COMPASS	12659	A
COMPASS	GSM	PS RETURN EXIT	COMPASS	12660	A
COMPASS	SA1	SYNAME	COMPASS	12661	A
COMPASS	SA2	B	CMP30	4113	A
COMPASS	ZR	X1,GSM IF NO SYSTEXT GENERATION	COMPASS	12662	A
COMPASS	ZR	X2,GSM IF NO BINARY FILE	CMP30	4114	A
COMPASS			CMP30	4115	I
-CPSA134					
COMPASS	RM	IFNE CP#RM,0	CMP30	4116	I
-CPSA134					
COMPASS	RM	IFC LT, "MODEL" 75	CMP30	4117	I
-F7540CP	-CPSA134				
COMPASS	ENV	(4,5,7,8),X	F7540CP	137	I
-CPSA134					
COMPASS	SKIP		F7540CP	138	I
-CPSA134					
COMPASS	X	ELSE	F7540CP	139	I
-CPSA134					
COMPASS	FETCH	B,OC,X2	CMP30	4118	I
-CPSA134					
COMPASS	SX6	X2-#YES#	CMP30	4119	I
-CPSA134					
COMPASS	ZR	X6,GSM0A IF FILE IS OPEN	CMP30	4120	I
-CPSA134					
COMPASS	OPENM	B,OUTPUT,N	CMP30	4121	I
-CPSA134					
COMPASS	SA1	SYNAME	CMP30	4122	I
-CPSA134					
COMPASS	GSM0A	BSS 0	CMP30	4123	I
-CPSA134					
COMPASS	X	ENDIF	F7540CP	140	I
-CPSA134					
COMPASS	RM	ENDIF	CMP30	4124	I
-CPSA134					
COMPASS			CMP30	4125	I
-CPSA134					
COMPASS	SA2	ERCNT	COMPASS	12663	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	NZ	X2,GSM	IF ERRORS	COMPASS	12664	I
-CMP20						
COMPASS	NZ	X2,GSM5	IF ERRORS	CMP20	379	I
-CMP30						
COMPASS	SA4	DATE	GENERATE IDENT TABLE	COMPASS	12665	I
-CMP30						
COMPASS	BX6	X1		COMPASS	12666	I
-CMP30						
COMPASS	NZ	X2,GSM15	IF ERRORS	CMP30	4126	A
COMPASS	SA3	PRFX+6		CMP30	4127	A
COMPASS	MX0	30		CMP30	4128	A
COMPASS	BX6	X1	DECK NAME	CMP30	4129	A
COMPASS	SA4	=1HT		CMP30	4130	A
COMPASS	BX3	X0*X3		CMP30	4131	A
COMPASS	LX7	X4		COMPASS	12667	A
COMPASS	BX4	-X0*X4		CMP30	4132	A
COMPASS	SA6	DPBA+1		COMPASS	12668	A
COMPASS	SA7	A6+B1		COMPASS	12669	I
-CMP30						
COMPASS	WRITEW B,DPBA,17B			COMPASS	12670	I
-CMP30						
COMPASS	WRITEW B,(=50000101BS36),1			COMPASS	12671	I
-CMP30						
COMPASS	SA7	A3+B1	DECK TYPE = T	CMP30	4133	A
COMPASS	BX6	X3+X4		CMP30	4134	A
COMPASS	SA6	A3	TARGET, VALID, *F = BLANKS	CMP30	4135	A
COMPASS	SB4	PRFXC		CMP30	4136	A
COMPASS	SB5	PRFXC+7		CMP30	4137	A
COMPASS	MX6	0		CMP30	4138	A
COMPASS	+	SA6	B4	CMP30	4139	A
COMPASS		SB4	B4+B1	CMP30	4140	A
COMPASS	LT	B4,B5,*		CMP30	4141	A
COMPASS	SA4	L.SEGTAB	FIND COMMENT TEXT IN IDTAB	CMP30	4142	A
COMPASS	SA3	O.IDTAB		CMP30	4143	A
COMPASS	SB7	X3		CMP30	4144	A
COMPASS	MX0	-12		CMP30	4145	A
COMPASS	SX5	X4-5		CMP30	4146	A
COMPASS	SA2	L.IDTAB		CMP30	4147	A
COMPASS	MI	X5,*+2	IF ONLY ONE SEGMENT	CMP30	4148	A
COMPASS	+	SA4	O.SEGTAB	CMP30	4149	A
COMPASS	SA2	X4+5		CMP30	4150	A
COMPASS	+	SB4	PRFXC	CMP30	4151	A
COMPASS	SB6	X3+B1		CMP30	4152	A
COMPASS	SB7	B7+X2		CMP30	4153	A
COMPASS	+	SA1	B6	CMP30	4154	A
COMPASS		BX6	-X0*X1	CMP30	4155	A
COMPASS	SB6	B6+B1		CMP30	4156	A
COMPASS	NZ	X6,*-1		CMP30	4157	A
COMPASS	+	GE	B6,B7,GSM0	CMP30	4158	A
COMPASS	SA1	B6	IF END OF COMMENT TEXT	CMP30	4159	A
COMPASS	SB6	B6+B1		CMP30	4160	A
COMPASS	BX6	X1		CMP30	4161	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS		SA6	A7+B1			CP096A	440	A
COMPASS		ZR	X4,GSM1	IF LOCAL SYMBOL		COMPASS	12699	A
COMPASS		SA6	A7+B1			COMPASS	12700	I
-CP096A								
COMPASS		BX4	X5*X3			COMPASS	12701	A
COMPASS		LX7	X3,B5		S028 506	CPS028	373	A
COMPASS		NZ	X4,GSM1	IF SET, EXTERNAL, RELOCATABLE, OR XTEXT		COMPASS	12702	A
COMPASS		PL	X7,GSM1	IF NOT DEFINED	S028 508	CPS028	374	A
COMPASS		BX7	-X1*X3			COMPASS	12703	A
COMPASS		SA7	A6+B1			COMPASS	12704	A
COMPASS		EQ	GSM1	LOOP		COMPASS	12705	A
COMPASS	GSM2	SX6	A7-B6			COMPASS	12706	A
COMPASS		SA6	B6			COMPASS	12707	A
COMPASS						CMP30	4172	A
COMPASS	RM	IFEQ	CP#RM,0			CMP30	4173	A
COMPASS		WRITEW	B,B6,X6+B1			COMPASS	12708	A
COMPASS	RM	ELSE				CMP30	4174	A
COMPASS		SA1	L.MICTAB			CMP30	4175	A
COMPASS		SX2	X6+B1	SYMBOL TABLE LENGTH		CMP30	4176	A
COMPASS		IX3	X2+X2			CMP30	4177	A
COMPASS		LX2	3	MULTIPLY BY TEN		CMP30	4178	A
COMPASS		IX6	X2+X3			CMP30	4179	A
COMPASS		SA6	T6RM1	SAVE IT		CMP30	4180	A
COMPASS		IX2	X1+X1			CMP30	4181	A
COMPASS		LX1	3	MULTIPLY MICRO TABLE LENGTH BY TEN		CMP30	4182	A
COMPASS		IX7	X1+X2			CMP30	4183	A
COMPASS		SA7	A6+B1	SAVE IT TOO		CMP30	4184	A
COMPASS		SX3	10*LPRFX+10	ADD LENGTH OF PRFX + OVERLAY HEADER		CMP30	4185	A
COMPASS		IX5	X6+X7			CMP30	4186	A
COMPASS		SA1	B-1		S028 510	CPS028	375	A
COMPASS		IX4	X5+X3			CMP30	4187	A
COMPASS	+	ZR	X1,*+1	IF RECORD TYPE W	S028 512	CPS028	376	A
COMPASS		SX4	0		S028 513	CPS028	377	A
COMPASS		STORE	B,RL=X4			CMP30	4188	A
COMPASS		PUTP	B,PRFX,X3			CMP30	4189	A
COMPASS		SA3	T6RM1			CMP30	4190	A
COMPASS		SA2	O.DUPTAB			CMP30	4191	A
COMPASS		PUTP	B,X2,X3			CMP30	4192	A
COMPASS	RM	ENDIF				CMP30	4193	A
COMPASS						CMP30	4194	A
COMPASS		RJ	ASU	ACCUMULATE STORAGE USED		CMP042	274	A
COMPASS		SX6	B0			COMPASS	12709	A
COMPASS		SA6	L.DUPTAB			COMPASS	12710	A
COMPASS		SA1	L.MACDEF	OUTPUT LENGTH OF MACRO SKELETON TABLE		COMPASS	12711	I
-CMP043								
COMPASS		SA5	LSYSMAC			COMPASS	12712	I
-CMP043								
COMPASS		IX6	X1-X5			COMPASS	12713	I
-CMP043								
COMPASS		SA6	P1TEMP			COMPASS	12714	I
-CMP043								
COMPASS		WRITEW	B,A6,1			COMPASS	12715	I

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP043

1	COMPASS	-CMP043	SA1	O.MACDEF	WRITE SYSTEM MACRO TABLE	COMPASS	12716		I
2	COMPASS	-CMP043	SA2	P1TEMP		COMPASS	12717		I
3	COMPASS	-CMP043	IX6	X1+X5		COMPASS	12718		I
4	COMPASS	-CMP043	WRITEW	B,X6,X2		COMPASS	12719		I
5	COMPASS	-CMP043				COMPASS	12720	A	
6	COMPASS	*		WRITE MICRO TABLE.		COMPASS	12721	A	
7	COMPASS		SA1	L.MICTAB		COMPASS	12722	A	
8	COMPASS	-CMP043	SX6	X1-1		COMPASS	12723		I
9	COMPASS	-CMP043	SA6	P1TEMP		COMPASS	12724		I
10	COMPASS	-CMP043	WRITEW	B,A6,1		COMPASS	12725		I
11	COMPASS	-CMP043	SA1	O.MICTAB		COMPASS	12726		I
12	COMPASS	-CMP043	SA3	L.MICTAB		COMPASS	12727		I
13	COMPASS	-CMP043	WRITEW	X2,X1+B1,X3-1		COMPASS	12728		I
14	COMPASS	-CMP043	SA1	L.OPTAB	GENERATE MACRO NAME TABLE	COMPASS	12729		I
15	COMPASS	-CMP043	MANAGE	DUPTAB,X1+B1		COMPASS	12730		I
16	COMPASS	-CMP043	SB6	X2		COMPASS	12731		I
17	COMPASS	-CMP043	SB7	X3-1		COMPASS	12732		I
18	COMPASS	-CMP043	MX1	1		COMPASS	12733		I
19	COMPASS	-CMP043	-CMP64G			COMPASS	12734		I
20	COMPASS	-CMP043	SX1	B1		CMP64G	195		I
21	COMPASS	-CMP043	SA4	O.OPTAB		COMPASS	12735		I
22	COMPASS	-CMP043	SA7	X2		COMPASS	12736		I
23	COMPASS	-CMP043	SB4	X4+B7		COMPASS	12737		I
24	COMPASS	-CMP043	SA5	LSYSMAC		COMPASS	12738		I
25	COMPASS	-CMP043	MX0	12		COMPASS	12739		I
26	COMPASS	-CMP043	LX1	60-2		COMPASS	12740		I
27	COMPASS	-CMP043	-CMP64G			COMPASS	12741		I
28	COMPASS	-CMP043	SB2	B1+B1		COMPASS			

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SB5	57	COMPASS	12742	I			
-CMP043								
COMPASS	SB4	B4+B1	COMPASS	12743	I			
-CMP043								
COMPASS	LX4	X1,B5	CMP64G	196	I			
-CMP043								
COMPASS	BX5	X4+X5	CMP64G	197	I			
-CMP043								
COMPASS			COMPASS	12744	I			
-CMP043								
COMPASS	*	TRANSFER PROGRAM MACROS TO DUPTAB.	COMPASS	12745	I			
-CMP043								
COMPASS			COMPASS	12746	I			
-CMP043								
COMPASS	GSM3	ZR B7,GSM4 IF END OF OPERATION TABLE	COMPASS	12747	I			
-CMP043								
COMPASS	SA2	B4-B7	COMPASS	12748	I			
-CMP043								
COMPASS	SB7	B7-B2	COMPASS	12749	I			
-CMP043								
COMPASS	AX6	X2,B5	COMPASS	12750	I			
-CMP043								
COMPASS	BX7	X1+X6	COMPASS	12751	I			
-CMP043	-CMP64G							
COMPASS	BX7	X6+X4	CMP64G	198	I			
-CMP043								
COMPASS	NZ	X7,GSM3 IF NOT PROGRAM MACRO	COMPASS	12752	I			
-CMP043								
COMPASS	SA3	A2-B1	COMPASS	12753	I			
-CMP043								
COMPASS	BX6	-X0*X3	COMPASS	12754	I			
-CMP043								
COMPASS	IX7	X2-X5	COMPASS	12755	I			
-CMP043								
COMPASS	LX2	12	COMPASS	12756	I			
-CMP043	-CMP64G							
COMPASS	NG	X2,GSM3 IF OPDEF	COMPASS	12757	I			
-CMP043	-CMP64G							
COMPASS	BX7	-X1*X7	COMPASS	12758	I			
-CMP043	-CMP64G							
COMPASS	SA6	A7+B1	COMPASS	12759	I			
-CMP043								
COMPASS	SA7	A6+B1	COMPASS	12760	I			
-CMP043								
COMPASS	NZ	B7,GSM3 IF NOT END OF OPERATION TABLE	COMPASS	12761	I			
-CMP043								
COMPASS	GSM4	SX6 A7-B6 WRITE MACRO NAME TABLE	COMPASS	12762	I			
-CMP043								
COMPASS	SA6	B6	COMPASS	12763	I			
-CMP043								
COMPASS	WRITEW B,B6,X6+B1		COMPASS	12764	I			
-CMP043								
0	1	2	3	4	5	6	7	8
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	RJ	ASU	ACCUMULATE STORAGE USED	CMP042	275	I
COMPASS -CMP043	SX6	B0		COMPASS	12765	I
COMPASS -CMP043	SA6	L.DUPTAB		COMPASS	12766	I
COMPASS -CMP043	WRITER B			COMPASS	12767	I
COMPASS -CMP20 GSM5 -CMP043	-CMP043 WRITER B			CMP20	380	I
COMPASS -CMP30	SA2	L.MICTAB		CMP043	3	I
COMPASS -CMP30	SA1	O.MICTAB		CMP043	4	I
COMPASS -CMP30	SX6	X2-1		CMP043	5	I
COMPASS -CMP30	SA6	X1		CMP043	6	I
COMPASS -CMP30	WRITEW B,X1,X2			CMP043	7	I
COMPASS -CMP30	SA3	L.MICTAB		CMP30	4195	A
COMPASS	SA2	O.MICTAB		CMP30	4196	A
COMPASS	SA6	A3	S028 515	CPS028	378	A
COMPASS	SX6	X3-1		CMP30	4197	A
COMPASS	SA6	X2	STORE WORD COUNT	CMP30	4198	A
COMPASS				CMP30	4199	A
COMPASS	IFEQ	CP#RM,0,2		CMP30	4200	A
COMPASS	WRITEW B,X2,X3			CMP30	4201	A
COMPASS	ELSE	2		CMP30	4202	A
COMPASS	SA3	T6RM2	GET CHARACTER COUNT	CMP30	4203	A
COMPASS	PUTP	B,X2,X3		CMP30	4204	A
COMPASS				CMP043	8	A
COMPASS *		GENERATE MACRO NAME TABLE.		CMP043	9	A
COMPASS				CMP043	10	A
COMPASS	SA1	L.OPTAB	MAKE ROOM FOR TABLE	CMP043	11	A
COMPASS	MANAGE	TEMTAB,X1+B1		CMP043	12	A
COMPASS	RJ	ASU	ACCUMULATE STORAGE USED	CMP043	13	A
COMPASS	SA1	O.OPTAB		CMP043	14	A
COMPASS	SA2	O.TEMTAB		CMP043	15	A
COMPASS	SB2	B1+B1		CMP043	16	A
COMPASS	SB5	X1		CMP043	17	A
COMPASS	SB6	X1+NOPCT*2-2		CMP043	18	A
COMPASS	SB7	X2+B1		CMP043	19	A
COMPASS	MX0	12		CMP043	20	A
COMPASS GSM3	GT	B5,B6,GSM9	IF LAST HASH CHAIN FINISHED	CMP043	21	A
COMPASS	SA1	B5	GET FIRST OPTAB ENTRY IN CHAIN	CMP043	22	A
COMPASS	SA2	B5+B1		CMP043	23	A
COMPASS	SB5	B5+B2	BUMP CHAIN NUMBER	CMP043	24	A
COMPASS	BX5	X0*X1		CMP043	25	A
COMPASS	ZR	X1,GSM3	IF NULL CHAIN	CMP043	26	A
COMPASS GSM4	BX3	X2		CMP043	27	A
COMPASS	LX2	59-47		CMP043	28	A

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77	

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	IX4	X1-X6	LOOK AT NEXT	CMP043	64	I
-CPS118X						
COMPASS	NO			CMP043	65	I
-CPS118X						
COMPASS	LX6	13		CMP043	66	I
-CPS118X						
COMPASS	BX4	X3-X4		CMP043	67	I
-CPS118X						
COMPASS	NZ	X4,GSM8	IF NOT SAME OPCODE NAME	CMP043	68	I
-CPS118X						
COMPASS	SA2	A1+B1		CMP043	69	I
-CPS118X						
COMPASS	SX4	B1		CMP043	70	I
-CPS118X						
COMPASS	LX4	38	SET DUPLICATE FLAG	CMP043	71	I
-CPS118X						
COMPASS	BX7	X2+X4		CMP043	72	I
-CPS118X						
COMPASS	NO			CMP043	73	I
-CPS118X						
COMPASS	SA7	A2		CMP043	74	I
-CPS118X						
COMPASS	EQ	GSM8		CMP043	75	I
-CPS118X						
COMPASS	SB4	A1	SAVE ADDRESS OF CURRENT ENTRY	CPS118X	6	A
COMPASS	SA1	B5-B2	RESCAN CHAIN TO SEARCH FOR DUPLICATES	CPS118X	7	A
COMPASS	GSM8	SB3		CPS118X	8	A
COMPASS	EQ	B3,B4,GSM8A	IF CURRENT ENTRY	CPS118X	9	A
COMPASS	BX3	X0*X1		CPS118X	10	A
COMPASS	IX2	X1-X3	REMOVE HASH LINK	CPS118X	11	A
COMPASS	LX3	13		CPS118X	12	A
COMPASS	BX2	X6-X2		CPS118X	13	A
COMPASS	SA1	B6+X3	GET NEXT TO COMPARE WITH CURRENT	CPS118X	14	A
COMPASS	NZ	X2,GSM8	IF NOT DUPLICATE, LOOP	CPS118X	15	A
COMPASS	EQ	GSM5	DUPLICATE FOUND, IGNORE CURRENT ENTRY	CPS118X	16	A
COMPASS	GSM8A	SA6	NO DUPLICATE FOUND, STORE	CPS118X	17	A
COMPASS	SA7	B7+B1	CURRENT ENTRY IN TEMTAB	CPS118X	18	A
COMPASS	SB7	B7+B2		CPS118X	19	A
COMPASS	EQ	GSM5		CPS118X	20	A
COMPASS	GSM9	SA1	STORE WORD COUNT IN FIRST WORD	CMP043	76	A
COMPASS	SB6	X1		CMP043	77	A
COMPASS	SX6	B7-B6		CMP043	78	A
COMPASS	SX7	X6-1		CMP043	79	A
COMPASS	SA6	L.TEMTAB	REDUCE TABLE SIZE	CMP043	80	A
COMPASS	SA7	X1		CMP043	81	A
COMPASS				CMP043	82	A
COMPASS	*		GENERATE MACRO DEFINITION TABLE.	CMP043	83	A
COMPASS				CMP043	84	A
COMPASS	SX0	B1		CMP043	85	A
COMPASS	BX2	X7		CMP043	86	A
COMPASS	MX1	-18		CPS028	379	A
COMPASS	SB7	57		CMP043	87	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	LX0	38				CMP043	88	A
COMPASS	AX6	X0,B1			S028 524	CPS028	380	A
COMPASS	BX1	X1-X6	(X1) = MASK TO CLEAR LCM BIT AND ADDRESS		S028 525	CPS028	381	A
COMPASS	GSM10	SA3	X2+B6	SEARCH MACRO NAME TABLE		CMP043	89	A
COMPASS	ZR	X2,GSM14	IF END OF TABLE			CMP043	90	A
COMPASS	AX4	X3,B7				CMP043	91	A
COMPASS	SX5	X4+B1				CMP043	92	A
COMPASS	SX2	X2-2				CMP043	93	A
COMPASS	BX6	X0*X3				CMP043	94	A
COMPASS	NZ	X5,GSM10	IF NOT A MACRO			CMP043	95	A
COMPASS	ZR	X6,GSM11	IF NOT ALREADY ADJUSTED			CMP043	96	A
COMPASS	BX6	-X0*X3				CMP043	97	A
COMPASS	SA6	A3	CLEAR FLAG BIT			CMP043	98	A
COMPASS	GSM11	EQ	GSM10			CMP043	99	A
COMPASS	SA4	L.DUPTAB	CHECK FOR SYNONYMS			CMP043	100	A
COMPASS	SX5	X3				CMP043	101	I
-CPS028								
COMPASS	IX6	X3-X5				CMP043	102	I
-CPS028								
COMPASS	BX6	X1*X3			S028 527	CPS028	382	A
COMPASS	IX7	X6+X4	ADJUST TEXT POINTER			CMP043	103	A
COMPASS	SX5	X2				CMP043	104	A
COMPASS	SA7	A3				CMP043	105	A
COMPASS	BX7	X0+X7				CMP043	106	A
COMPASS	GSM12	ZR	X5,GSM13	IF END OF TABLE		CMP043	107	A
COMPASS	SA4	X5+B6				CMP043	108	A
COMPASS	BX6	X3-X4				CMP043	109	A
COMPASS	SX5	X5-2				CMP043	110	A
COMPASS	NZ	X6,GSM12	IF NOT SYNONYMOUS			CMP043	111	A
COMPASS	SA7	A4	SET FLAG BIT			CMP043	112	A
COMPASS	EQ	GSM12				CMP043	113	A
COMPASS	GSM13	SX6	X2	SAVE POINTERS		CMP043	114	A
COMPASS	AX7	39				CMP043	115	A
COMPASS	SA6	P1TEMP	P1TEMP = TEMTAB INDEX			CMP043	116	A
COMPASS	SA7	A6+B1	P1TEMPA = TEXT WORD COUNT			CMP043	117	A
COMPASS	SX6	X3	P1TEMPB = TEXT FWA IN MACDEF			CMP043	118	I
-CPS028								
COMPASS	BX6	-X1*X3	P1TEMPB = TEXT FWA IN MACDEF OR LCM		S028 529	CPS028	383	A
COMPASS	SA6	A7+B1				CMP043	119	A
COMPASS	MANAGE	DUPTAB,X7	MAKE ROOM FOR TEXT			CMP043	120	A
COMPASS	IX7	X2+X3				CMP043	121	A
COMPASS	SA1	P1TEMPA				CMP043	122	A
COMPASS	SA2	A1+B1				CMP043	123	A
COMPASS	LX2	59-37			S028 531	CPS028	384	A
COMPASS	PL	X2,GSM13A	IF IN MACDEF		S028 532	CPS028	385	A
COMPASS	LX2	37-59			S028 533	CPS028	386	A
COMPASS	SX3	X1			S028 534	CPS028	387	A
COMPASS	BX1	X2			S028 535	CPS028	388	A
COMPASS	IX2	X7-X3			S028 536	CPS028	389	A
COMPASS	RJ	RLC	MOVE TEXT FROM LCM TO DUPTAB		S028 537	CPS028	390	A
COMPASS	EQ	GSM13B			S028 538	CPS028	391	A
COMPASS	GSM13A	LX2	37-59		S028 539	CPS028	392	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA3	O.MACDEF				CMP043	124	A
COMPASS	SX1	X1				CMP043	125	A
COMPASS	IX2	X2+X3				CMP043	126	A
COMPASS	IX3	X7-X1				CMP043	127	A
COMPASS	RJ	MOVE	MOVE TEXT FROM MACDEF TO DUPTAB			CMP043	128	A
COMPASS	SA1	O.TEMTAB				CMP043	129	I
-CPS028								
COMPASS	GSM13B	SA1	O.TEMTAB		S028 541	CPS028	393	A
COMPASS		SA2	P1TEMP			CMP043	130	A
COMPASS		SX0	B1			CMP043	131	A
COMPASS		SB7	57			CMP043	132	A
COMPASS		SB6	X1			CMP043	133	A
COMPASS		MX1	-18		S028 543	CPS028	394	A
COMPASS		LX0	38			CMP043	134	A
COMPASS		AX6	X0,B1		S028 545	CPS028	395	A
COMPASS		BX1	X1-X6		S028 546	CPS028	396	A
COMPASS		NZ	X2,GSM10	IF NOT END OF MACRO NAME TABLE		CMP043	135	A
COMPASS						CMP043	136	A
COMPASS	*		WRITE MACRO TABLES.			CMP043	137	A
COMPASS						CMP043	138	A
COMPASS	RM	IFEQ	CP#RM,0			CMP30	4205	A
COMPASS						CMP30	4206	A
COMPASS	GSM14	WRITEW	B,L.DUPTAB,1			CMP043	139	A
COMPASS		SA3	O.DUPTAB			CMP043	140	A
COMPASS		SA4	L.DUPTAB			CMP043	141	A
COMPASS		WRITEW	X2,X3,X4	WRITE MACRO DEFINITION TABLE		CMP043	142	A
COMPASS		SA3	O.TEMTAB			CMP043	143	A
COMPASS		SA4	L.TEMTAB			CMP043	144	A
COMPASS		WRITEW	X2,X3,X4	WRITE MACRO NAME TABLE		CMP043	145	A
COMPASS		WRITER	X2			CMP043	146	I
-CMP30								
COMPASS						CMP30	4207	A
COMPASS	RM	ELSE				CMP30	4208	A
COMPASS						CMP30	4209	A
COMPASS	GSM14	SA5	L.DUPTAB			CMP30	4210	A
COMPASS		SA4	L.TEMTAB			CMP30	4211	A
COMPASS		SX3	X5+B1	MACRO DEFS SIZE + 1 FOR HEADER WORD		CMP30	4212	A
COMPASS		IX2	X3+X4			CMP30	4213	A
COMPASS		IX7	X2+X2			CMP30	4214	A
COMPASS		LX2	3			CMP30	4215	A
COMPASS		SA1	B-1		S028 517	CPS028	397	A
COMPASS		IX4	X2+X7			CMP30	4216	A
COMPASS	+	ZR	X1,*+1	IF RECORD TYPE W	S028 519	CPS028	398	A
COMPASS		SX4	0		S028 520	CPS028	399	A
COMPASS		STORE	B,RL=X4			CMP30	4217	A
COMPASS		PUTP	B,L.DUPTAB,10			CMP30	4218	A
COMPASS		SA5	L.DUPTAB			CMP30	4219	A
COMPASS		ZR	X5,GSM14A	IF NO MACRO DEFINITIONS	S028 548	CPS028	400	A
COMPASS		IX7	X5+X5			CMP30	4220	A
COMPASS		LX5	3			CMP30	4221	A
COMPASS		IX3	X5+X7			CMP30	4222	A
COMPASS		SA2	O.DUPTAB			CMP30	4223	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	PUTP	B,X2,X3	DUMP MACRO DEFINITION TABLE	CMP30	4224	A
COMPASS	SA5	L.TEMTAB		CMP30	4225	I
COMPASS	-CPS028					
COMPASS	GSM14A	SA5	L.TEMTAB	S028 550	CPS028	401 A
COMPASS		IX7	X5+X5	CMP30	4226	A
COMPASS		LX5	3	CMP30	4227	A
COMPASS		IX3	X5+X7	CMP30	4228	A
COMPASS		SA2	O.TEMTAB	CMP30	4229	A
COMPASS	PUTP	B,X2,X3	DUMP MACRO NAME TABLE	CMP30	4230	A
COMPASS				CMP30	4231	A
COMPASS	RM	ENDIF		CMP30	4232	A
COMPASS				CMP30	4233	A
COMPASS	GSM15	WEOR	B	CMP30	4234	A
COMPASS		RJ	ASU	ACCUMULATE STORAGE USED	CMP043	147 A
COMPASS		SX6	B0		CMP043	148 A
COMPASS		SA6	L.DUPTAB		CMP043	149 A
COMPASS		SA6	L.TEMTAB		CMP043	150 A
COMPASS		EQ	GSM	RETURN	COMPASS	12768 A
COMPASS	INPUT1	SPACE	4		COMPASS	12769 A
COMPASS	**	INPUT1	- PASS 1 INPUT ROUTINE.		COMPASS	12770 A
COMPASS	*	INPUT1	CREATES NEXT STATEMENT, EITHER BY UNPACKING FROM THE		COMPASS	12771 A
COMPASS	*	TABLE	Dictated by the top-most stack entry, or by calling		COMPASS	12772 A
COMPASS	*	CRCARD	OR CRC TO CREATE A STATEMENT FROM THE INPUT FILE.		COMPASS	12773 I
COMPASS	-CMP041					
COMPASS	*	RNS	TO READ NEXT STATEMENT FROM THE SOURCE INPUT FILE.	CMP041	33	A
COMPASS	*	INPUT1	ALSO CLEARS OUT...	COMPASS	12774	A
COMPASS	*	SQLGN	TO PERMIT PACKING OF STATEMENT.	COMPASS	12775	A
COMPASS	*	ERFLAGS	TO CLEAR HANGING ERROR FLAGS.	COMPASS	12776	A
COMPASS	*	FLAG	TO MINIMIZE INTERMEDIATE USAGE OF IT.	COMPASS	12777	A
COMPASS	*	OPTYPE	TO AVOID CONFUSION IN *WINTER*.	CMP24	131	I
COMPASS	-CMP029					
COMPASS	*	OPTYPE	TO AVOID CONFUSION IN *WINTER*.	CMP029	92	A
COMPASS	*	INPUT1	WILL COMPLAIN IF RECURSION DEPTH IS TOO BIG.	COMPASS	12778	A
COMPASS	*	EXIT	(X1) " 0 IF PUSHUP OCCURRED.	COMPASS	12779	A
COMPASS				COMPASS	12780	A
COMPASS				COMPASS	12781	A
COMPASS	INPUT1	PS	RETURN EXIT	COMPASS	12782	A
COMPASS		SA1	L.STACK	CHECK ON SOURCE OF INPUT	COMPASS	12783 I
COMPASS	-CPS004					
COMPASS		ZR	X1,IN4	IF NORMAL INPUT	COMPASS	12784 I
COMPASS	-CPS004					
COMPASS		SA2	AMODE		COMPASS	12785 I
COMPASS	-CMP24					
COMPASS		AX1	2		COMPASS	12786 I
COMPASS	-CPS004					
COMPASS		SB7	X1-"LIMRECUR"	CHECK FOR EXCESSIVE RECURSION	COMPASS	12787 I
COMPASS	-CPS004					
COMPASS		PL	B7,INPF		COMPASS	12788 I
COMPASS	-CPS004					
COMPASS		ZR	X2,INP1	IF NOT A-MODE	COMPASS	12789 I
COMPASS	-CMP24					
COMPASS		SA2	L.STACK		COMPASS	12790 I
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP24

1	COMPASS	-CMP24	SA4	O.STACK					COMPASS	12791		I
2	COMPASS	-CMP24	SB4	X2-3					COMPASS	12792		I
3	COMPASS	-CMP24	SA3	X4+B4	GET SECOND WORD OF STACK				COMPASS	12793		I
4	COMPASS	-CMP24	SA4	A3+2					COMPASS	12794		I
5	COMPASS	-CMP24	BX6	X4+X1					COMPASS	12795		I
6	COMPASS	-CMP24	SA6	SEQ					COMPASS	12796		I
7	COMPASS	-CMP24	EQ	INP2					COMPASS	12797		I
8	COMPASS	-CMP24	INP1	RJ	CONDEC				COMPASS	12798		I
9	COMPASS	-CMP24	LX6	24					COMPASS	12799		I
10	COMPASS	-CMP24	SA2	L.STACK					COMPASS	12800	A	
11	COMPASS	-CMP24	SA1	O.STACK					COMPASS	12801	A	
12	COMPASS	-CMP24	ZR	X2,IN4	IF NORMAL INPUT	S004	37	CPS004	22	A		
13	COMPASS	-CMP24	SB4	X2-3					COMPASS	12802	A	
14	COMPASS	-CMP24	SA3	X1+B4	GET SECOND WORD OF STACK				COMPASS	12803	A	
15	COMPASS	-CMP24	SA1	A3-B1	GET CURRENT WORD POINTER				CMP24	132	A	
16	COMPASS	-CMP24	MX0	42					CMP24	133	A	
17	COMPASS	-CMP24	SA4	A3+2					COMPASS	12804	A	
18	COMPASS	-CMP24	SA5	=3R					CMP24	134	A	
19	COMPASS	-CMP24	BX6	X0*X1					CMP24	135	A	
20	COMPASS	-CMP24	LX7	X4					COMPASS	12805	A	
21	COMPASS	-CMP24	BX6	X6+X5					CMP24	136	A	
22	COMPASS	-CMP24	SA7	SEQ	STORE MACRO NAME				COMPASS	12806	A	
23	COMPASS	-CMP24	SA6	A7+B1	STORE LEVEL NUMBER				COMPASS	12807	A	
24	COMPASS	-CMP24	SB7	NCARDS-1					COMPASS	12808		I
25	COMPASS	-CMP24	IN1A	SA7	A6+B1				COMPASS	12809		I
26	COMPASS	-CMP24	SA6	A7+B1					COMPASS	12810		I
27	COMPASS	-CMP24	SB7	B7-B1					COMPASS	12811		I
28	COMPASS	-CMP24	NZ	B7,IN1A					COMPASS	12812		I
29	COMPASS	-CMP24	INP2	AX3	56	LOOK AT TYPE			COMPASS	12813		I
30	COMPASS	-CMP24	AX3	56	LOOK AT TYPE				CMP24	137	A	
31	COMPASS	-CMP24	SB4	X3	SAVE TYPE OF STACK ENTRY				COMPASS	12814	A	
32	COMPASS	-CMP24	SA1	A3-B1	GET CURRENT WORD POINTERS				COMPASS	12815		I
33	COMPASS	-CMP24	SX1	X1					CMP24	138	A	
34	COMPASS	-CMP24	JP	*+B4	JUMP ON TYPE OF STACK ENTRY				COMPASS	12816	A	
35	COMPASS	-CMP24							COMPASS	12817	A	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA7	A2		CMP24	148	A
COMPASS	MX6	0	CLEAR SQUEEZE FLAG	COMPASS	12853	A
COMPASS	SA6	SQLGN		COMPASS	12854	A
COMPASS	SA3	STYPE		COMPASS	12855	A
COMPASS	SB4	B4-2		COMPASS	12856	I
-CMP64G						
COMPASS	SB4	X4-2		CMP64G	201	A
COMPASS	SB7	X3-1RT		COMPASS	12857	A
COMPASS	NZ	B7,INP5	IF NOT A *T* TERMINATOR	COMPASS	12858	A
COMPASS	ZR	B4,IN3A	IF DUP ENTRY	COMPASS	12859	A
COMPASS	SB4	B4-3		COMPASS	12860	A
COMPASS	NZ	B4,IN3	IF NOT ECHO	COMPASS	12861	A
COMPASS	RJ	ITE	ITERATE ECHO	COMPASS	12862	A
COMPASS	ZR	X1,INPUT1+1	READ NEXT CARD	COMPASS	12863	I
-CMP64G						
COMPASS	ZR	X2,INPUT1+1	IF NOT DONE, GO READ NEXT CARD	CMP64G	202	A
COMPASS	IN3	RJ	PUSHUP	COMPASS	12864	A
COMPASS	EQ	INPUT1+1	ELSE PUSH STACK UP, RETURN FOR	COMPASS	12865	A
COMPASS	IN3A	SA4	INPUT1+1 NEXT CARD	COMPASS	12866	A
COMPASS	MX0	A7+2	FETCH DUPLICATION CONTROL	COMPASS	12866	A
COMPASS	BX7	42		CMP24	149	A
COMPASS	NG	X0*X7		CMP24	150	A
COMPASS	SX7	X4,IN3	IF STOPDUP IN EFFECT	COMPASS	12867	A
COMPASS	SX7	X4	SIZE OF DUPTAB AT START OF DUP	COMPASS	12868	I
-CMP24						
COMPASS	SX5	X4	SIZE OF DUPTAB AT START OF DUP	CMP24	151	A
COMPASS	SX3	B1		COMPASS	12869	A
COMPASS	SA7	A7	RESET TABLE LENGTHS	COMPASS	12870	I
-CMP24						
COMPASS	BX7	X7+X5	RESET POINTER TO FIRST CARD	CMP24	152	A
COMPASS	LX3	18		COMPASS	12871	A
COMPASS	SA7	A7		CMP24	153	A
COMPASS	IX6	X4-X3	DECREMENT DUP COUNT	COMPASS	12872	A
COMPASS	SA6	A4	RESTORE DECREMENTED 3RD WORD	COMPASS	12873	A
COMPASS	AX4	19	TEST FOR END OF DUPLICATION	COMPASS	12874	A
COMPASS	ZR	X4,IN3	QUIT IF END OF DUP	COMPASS	12875	A
COMPASS	EQ	INPUT1+1	ELSE GET NEXT CARD	COMPASS	12876	A
COMPASS				COMPASS	12877	A
COMPASS	*	INPUT FROM MACRO.		COMPASS	12878	A
COMPASS				COMPASS	12879	A
COMPASS	INMAC	SA2	0.MACDEF	COMPASS	12880	A
COMPASS	IX1	X2+X1		COMPASS	12881	A
COMPASS	RJ	UCARD		COMPASS	12882	A
COMPASS	SA1	0.MACDEF		COMPASS	12883	A
COMPASS	EQ	IN2	GO UNBIAS NEXT ADDRESS	COMPASS	12884	A
COMPASS				COMPASS	12885	A
COMPASS	*	INPUT FROM DUPLICATION (DUPTAB).		COMPASS	12886	A
COMPASS				COMPASS	12887	A
COMPASS	INDUP	SA2	0.DUPTAB	COMPASS	12888	A
COMPASS	IX1	X2+X1		COMPASS	12889	A
COMPASS	RJ	UCARD		COMPASS	12890	A
COMPASS	SA1	0.DUPTAB		COMPASS	12891	A
COMPASS	EQ	IN2	AND GO TO UNBIAS RESULTANT ADDRESS	COMPASS	12892	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS										COMPASS	12893	A	
COMPASS	*		IRP	EXIT.						COMPASS	12894	A	
COMPASS										COMPASS	12895	A	
COMPASS	INP5	NE	B7,B1,INP1XX	IF NOT IRP						COMPASS	12896	A	
COMPASS		RJ	ITP	ITERATE IN PROTOTYPE						COMPASS	12897	A	
COMPASS		EQ	INPUT1+1	READ NEXT CARD						COMPASS	12898	A	
COMPASS										COMPASS	12899	A	
COMPASS	*		NORMAL	INPUT.						COMPASS	12900	A	
COMPASS										COMPASS	12901	A	
COMPASS	IN4	SX2	I							COMPASS	12902	A	
COMPASS		SA3	AMODE							COMPASS	12903		I
	-CMP24												
COMPASS		SA0	INBUF							COMPASS	12904		I
	-CMP30												
COMPASS		SA0	CP.CARD							CMP30	4235	A	
COMPASS		ZR	X3,INP4	IF NOT AMODE						COMPASS	12905		I
	-CMP24												
COMPASS		RJ	CRC							COMPASS	12906		I
	-CMP24												
COMPASS		EQ	INP1XX							COMPASS	12907		I
	-CMP24												
COMPASS	INP4	RJ	CRCARD							COMPASS	12908		I
	-CMP24												
COMPASS		RJ	RNS	READ NEXT STATEMENT						CMP24	154	A	
COMPASS		SA1	SEQ							CMP30	4236	A	
COMPASS		SA2	A1+B1							CMP30	4237	A	
COMPASS		BX6	X1							CMP30	4238	A	
COMPASS		LX7	X2							CMP30	4239	A	
COMPASS		SA6	SEQMIC	STORE NEW SEQUENCE MICRO						CMP30	4240	A	
COMPASS		SA7	A6+B1							CMP30	4241	A	
COMPASS										COMPASS	12909	A	
COMPASS	*		EXIT	FROM INPUT.						COMPASS	12910	A	
COMPASS										COMPASS	12911	A	
COMPASS	INP1XX	SX6	B0	CLEAR ERROR FLAG						COMPASS	12912	A	
COMPASS		SA6	EXERR							COMPASS	12913	A	
COMPASS		SA6	ERFLAGS							COMPASS	12914	A	
COMPASS		MX7	0							COMPASS	12915	A	
COMPASS		SB7	LERFLAGS-1							COMPASS	12916	A	
COMPASS		SA1	PUSHUP							COMPASS	12917	A	
COMPASS	+	SB7	B7-B1							COMPASS	12918	A	
COMPASS		SA6	A6+B1							COMPASS	12919	A	
COMPASS		NZ	B7,*							COMPASS	12920	A	
COMPASS		SA7	FLAG							COMPASS	12921	A	
COMPASS		SA6	MACHFLG							CPSA140	12	A	
COMPASS		SA6	OPTYPE	CLEAR OPTYPE						CMP24	155	A	
COMPASS		EQ	INPUT1	AND EXIT						COMPASS	12922	A	
COMPASS										COMPASS	12923		I
	-CPS004												
COMPASS	*		RECURSION	DEPTH EXCEEDED.						COMPASS	12924		I
	-CPS004												
COMPASS										COMPASS	12925		I
	-CPS004												
	0	1	2	3	4	5	6	7	8				
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	INPF	MESSAGE (=C* RECURSION DEPTH EXCEEDED "LIMRECUR".*)	COMPASS	12926	I
COMPASS	-CPS004	SX6 4	COMPASS	12927	I
COMPASS	-CPS004	SA6 L.STACK	COMPASS	12928	I
COMPASS	-CPS004	EQ IN3 AND CANCEL ALL STACK ENTRIES	COMPASS	12929	I
COMPASS	-CPS004	ITE SPACE 4	COMPASS	12930	A
COMPASS	**	ITE - ITERATE ECHO PARAMETERS.	COMPASS	12931	A
COMPASS	*	ENTRY (A7) = STACK ADDRESS.	COMPASS	12932	A
COMPASS	*	EXIT (X1) = 1 IF END OF ECHO.	COMPASS	12933	I
COMPASS	-CMP64G				
COMPASS	*	EXIT (X2) = 1 IF END OF ECHO.	CMP64G	203	A
COMPASS			COMPASS	12934	A
COMPASS			COMPASS	12935	A
COMPASS	ITE	PS RETURN EXIT	COMPASS	12936	A
COMPASS	SA1	A7+B1	COMPASS	12937	I
COMPASS	-CMP64G				
COMPASS	SA2	A1+B1 READ 2ND STACK WORD	COMPASS	12938	I
COMPASS	-CMP64G				
COMPASS	NG	X2,ITE2 IF STOPDUP IN EFFECT	COMPASS	12939	I
COMPASS	-CMP64G				
COMPASS	SX6	X1	COMPASS	12940	I
COMPASS	-CMP64G				
COMPASS	SA2	L.MARDIS	COMPASS	12941	I
COMPASS	-CMP64G				
COMPASS	IX1	X2-X6	COMPASS	12942	I
COMPASS	-CMP64G				
COMPASS	SA2	A7+B1	CMP64G	204	A
COMPASS	SA3	A2+B1 READ SECOND STACK WORD	CMP64G	205	A
COMPASS	MI	X3,ITE2 IF STOPDUP IN EFFECT	CMP64G	206	A
COMPASS	SX6	X2	CMP64G	207	A
COMPASS	SA3	L.MARDIS	CMP64G	208	A
COMPASS	IX2	X3-X6	CMP64G	209	A
COMPASS	SA6	ITEA	COMPASS	12943	A
COMPASS	ZR	X1,ITE2 IF NO ARGUMENTS	COMPASS	12944	I
COMPASS	-CMP64G				
COMPASS	ZR	X2,ITE2 IF NO ARGUMENTS	CMP64G	210	A
COMPASS	ITE1	SA4 ITEA	COMPASS	12945	A
COMPASS	SA2	L.MARDIS	COMPASS	12946	A
COMPASS	SX6	X4+B1	COMPASS	12947	A
COMPASS	SA6	A4	COMPASS	12948	A
COMPASS	IX1	X2-X4	COMPASS	12949	I
COMPASS	-CMP64G				
COMPASS	ZR	X1,ITE IF END OF ARGUMENTS	COMPASS	12950	I
COMPASS	-CMP64G				
COMPASS	IX2	X2-X4	CMP64G	211	A
COMPASS	ZR	X2,ITE IF END OF ARGUMENTS	CMP64G	212	A
COMPASS	RJ	SIA SKIP ITERATIVE ARGUMENTS	COMPASS	12951	A
COMPASS	NZ	X6,ITE1 IF NOT END OF ARGUMENT LIST	COMPASS	12952	A
COMPASS	ITE2	SX1 B1	COMPASS	12953	I
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- CMP64G

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP165

1	COMPASS	BX6	X2		COMPASS	12981	I	
2	-CMP165							
3	COMPASS	LX6	18		COMPASS	12982	I	
4	-CMP165							
5	COMPASS	BX2	X2+X6		COMPASS	12983	I	
6	-CMP165							
7	COMPASS	MX6	1	PACK ARGUMENT POINTERS	COMPASS	12984	I	
8	-CMP165							
9	COMPASS	BX6	X6+X2		COMPASS	12985	I	
10	-CMP64G							
11	COMPASS	MI	X3,ITP2		CMP64G	226	I	
12	-CMP165							
13	COMPASS	ZR	X3,ITP3	IF EMPTY ARGUMENT	CMP64G	227	I	
14	-CMP165							
15	COMPASS	ITP2	BX6	X6+X2	CMP64G	228	I	
16	-CMP165							
17	COMPASS	PX6	X6,B5		COMPASS	12986	I	
18	-CMP165							
19	COMPASS	UX6,B7	X2	SETUP ITERATIVE DESCRIPTOR WORD...	CMP165	37	A	
20	COMPASS	SB7	-B7		CMP165	38	A	
21	COMPASS	PX6	B7	- CHARACTER COUNT	CMP165	39	A	
22	COMPASS	LX6	59-41		CMP165	40	A	
23	COMPASS	PX6	B0	CHARACTER OFFSET	CMP165	41	A	
24	COMPASS	LX6	41-29		CMP165	42	A	
25	COMPASS	PX6	B0	WORD OFFSET	CMP165	43	A	
26	COMPASS	LX6	29-59		CMP165	44	A	
27	COMPASS	ZR	B7,ITP3	IF EMPTY ARGUMENT	CMP165	45	A	
28	COMPASS	SA6	A2		COMPASS	12987	A	
29	COMPASS	SA1	A7	PACK STACK WORD	COMPASS	12988	I	
30	-CMP64G							
31	COMPASS	SX1	X7	PACK STACK WORD	CMP64G	229	A	
32	COMPASS	SX6	A2-B2		COMPASS	12989	A	
33	COMPASS	SX1	X1		CMP24	156	I	
34	-CMP64G							
35	COMPASS	LX1	18		COMPASS	12990	A	
36	COMPASS	BX6	X6+X1		COMPASS	12991	A	
37	COMPASS	SA6	A4		COMPASS	12992	A	
38	COMPASS	EQ	ITP	RETURN	CMP64G	230	A	
39	COMPASS				CMP64G	231	A	
40	COMPASS	*		EMPTY ARGUMENT, SKIP TO SECOND IRP.	CMP64G	232	A	
41	COMPASS				CMP64G	233	A	
42	COMPASS	ITP3	IX1	X7+X1 NEXT CARD ADDRESS	CMP64G	234	A	
43	COMPASS	SA1	X1		CMP64G	235	A	
44	COMPASS	MX0	-12		CMP64G	236	A	
45	COMPASS	SX3	1LU+0001B	LOOK FOR U-CARD WITH COLON IN COLUMN 1	CMP64G	237	A	
46	COMPASS	SX2	B1		CMP64G	238	A	
47	COMPASS	LX3	42		CMP64G	239	A	
48	COMPASS	ITP4	BX6	-X0*X1	CMP64G	240	A	
49	COMPASS	IX7	X7+X2		CMP64G	241	A	
50	COMPASS	NO			CMP64G	242	A	
51	COMPASS	SA1	A1+B1		CMP64G	243	A	

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS		NZ	X6,ITP4	IF NOT END OF STATEMENT		CMP64G	244	A	
1	COMPASS		BX6	X1-X3			CMP64G	245	A	
2	COMPASS		NZ	X6,ITP4	IF NOT SECOND IRP		CMP64G	246	A	
3	COMPASS		IX7	X7+X2			CMP64G	247	A	
4	COMPASS		SA7	A7	UPDATE CARD POINTER IN STACK		CMP64G	248	A	
5	COMPASS		SA6	A7+2	CLEAR IRP SWITCH		CMP64G	249	A	
6	COMPASS		EQ	ITP	RETURN		COMPASS	12993	A	
7	COMPASS	MACALL	SPACE	4			COMPASS	12994	A	
8	COMPASS	**	MACALL	- PROCESS MACRO/OPDEF CALL (NOT RJ SUBROUTINE).			COMPASS	12995	A	
9	COMPASS	*	ENTRY	(MACRO) (B7) "	0.		COMPASS	12996	A	
10	COMPASS	*		(OPDEF) (B7) =	0.		COMPASS	12997	A	
11	COMPASS	*		(X1) =	OPERATION SYNTAX SCAN.		COMPASS	12998	A	
12	COMPASS	*					COMPASS	12999	A	
13	COMPASS	*	SCRATCH CELL USAGE.				COMPASS	13000	A	
14	COMPASS	*					COMPASS	13001	A	
15	COMPASS	*		P1TEMP	LOCATION ARGUMENT FLAG.		COMPASS	13002	A	
16	COMPASS	*		P1TEMPA	TOTAL PARAMETER COUNT.		COMPASS	13003	A	
17	COMPASS	*		P1TEMPB	LOCAL PARAMETER COUNT.		COMPASS	13004	A	
18	COMPASS	*		P1TEMPC	MACRO FLAG (B7 ON ENTRY).		COMPASS	13005	A	
19	COMPASS	*		P1TEMPD	SYNTAX (X1 ON ENTRY).		COMPASS	13006	A	
20	COMPASS	*		P1TEMPE	MACROE FLAG.		COMPASS	13007		I
21		-CMP029								
22	COMPASS						COMPASS	13008	A	
23	COMPASS						COMPASS	13009	A	
24	COMPASS	MACALL	SX7	B7	ENTRY		COMPASS	13010	A	
25	COMPASS		SA5	OPTYPE			COMPASS	13011	A	
26	COMPASS		MX0	54			COMPASS	13012		I
27		-CPS028								
28	COMPASS		BX6	X1			COMPASS	13013	A	
29	COMPASS		SX2	B1			COMPASS	13014		I
30		-CPS028								
31	COMPASS		SA6	P1TEMPD	SET UP INFORMATION CELLS		COMPASS	13015		I
32		-CPS028								
33	COMPASS		SA7	A6-B1			COMPASS	13016		I
34		-CPS028								
35	COMPASS		SA7	P1TEMPC	SAVE MACRO/OPDEF FLAG	S028 553 CPS028	402	A		
36	COMPASS		SA6	A7+B1	SAVE SYNTAX	S028 554 CPS028	403	A		
37	COMPASS		LX5	59-37		S028 555 CPS028	404	A		
38	COMPASS		PL	X5,MCL0	IF TEXT NOT IN LCM	S028 556 CPS028	405	A		
39	COMPASS		AX5	39-60+59-37		S028 557 CPS028	406	A		
40	COMPASS		MANAGE	MACDEF,X5	MAKE ROOM IN MACDEF TABLE	S028 558 CPS028	407	A		
41	COMPASS		SA5	OPTYPE		S028 559 CPS028	408	A		
42	COMPASS		IX2	X2+X3		S028 560 CPS028	409	A		
43	COMPASS		MX0	-18		S028 561 CPS028	410	A		
44	COMPASS		BX1	-X0*X5	LCM ADDRESS	S028 562 CPS028	411	A		
45	COMPASS		BX6	X0*X5		S028 563 CPS028	412	A		
46	COMPASS		LX5	-39		S028 564 CPS028	413	A		
47	COMPASS		SX4	X5	WORD COUNT	S028 565 CPS028	414	A		
48	COMPASS		SX7	1RT		S028 566 CPS028	415	A		
49	COMPASS		IX0	X3-X4		S028 567 CPS028	416	A		
50	COMPASS		LX7	42		S028 568 CPS028	417	A		
51	COMPASS		BX6	X6+X0	INSERT MACDEF INDEX INTO OPTYPE	S028 569 CPS028	418	A		
52										
53		0	1	2	3	4	5	6	7	8
54		1234567890123456789012345678901234567890123456789012345678901234567890								

## 1412THE

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS004

1	COMPASS	RJ	PUSHDOWN	ENTER STACK			COMPASS	13036	I
2	-CPS004								
3	COMPASS	BX6	X1		S004	43	CPS004	25	A
4	COMPASS	LX7	X2		S004	44	CPS004	26	A
5	COMPASS	SA6	MCLA		S004	45	CPS004	27	A
6	COMPASS	SA7	A6+B1		S004	46	CPS004	28	A
7	COMPASS	BX6	X3		S004	47	CPS004	29	A
8	COMPASS	LX7	X4		S004	48	CPS004	30	A
9	COMPASS	SA6	A7+B1		S004	49	CPS004	31	A
10	COMPASS	SA7	A6+B1		S004	50	CPS004	32	A
11	COMPASS						COMPASS	13037	A
12	COMPASS *		SCAN OFF PARAMETERS.				COMPASS	13038	A
13	COMPASS						COMPASS	13039	A
14	COMPASS	SA1	P1TEMP	CHECK ON LOCATION TYPE			COMPASS	13040	A
15	COMPASS	ZR	X1,MCL10				COMPASS	13041	A
16	COMPASS	SA1	L.MARGS	STORE DESCRIPTOR WORD			COMPASS	13042	I
17	-CMP165								
18	COMPASS		ADDWORD MARDIS				COMPASS	13043	I
19	-CMP165								
20	COMPASS		MANAGE MARGS,2	GET ROOM FOR LOCATION SYMBOL			COMPASS	13044	I
21	-CMP165								
22	COMPASS	SB7	X3-2				COMPASS	13045	I
23	-CMP165								
24	COMPASS		MANAGE MARGS,1	GET ROOM FOR LOCATION SYMBOL			CMP165	46	A
25	COMPASS	SB7	X3-1				CMP165	47	A
26	COMPASS	SA3	LOCSYM				COMPASS	13046	A
27	COMPASS	MX0	6				COMPASS	13047	A
28	COMPASS	SB6	B0				CMP165	48	A
29	COMPASS	MI	X3,MCL1A	IF LOCATION SYMBOL NON-EMPTY			CMP165	49	A
30	COMPASS	ZR	X3,MCL1				COMPASS	13048	A
31	COMPASS MCL1A	BX4	X3*X0				COMPASS	13049	A
32	COMPASS	LX3	6				COMPASS	13050	A
33	COMPASS	SB6	B6-1	COUNT CHARACTERS			CMP165	50	A
34	COMPASS	ZR	X4,MCL1A				COMPASS	13051	A
35	COMPASS	LX3	54				COMPASS	13052	A
36	COMPASS	SB6	11+B6				CMP165	51	A
37	COMPASS MCL1	BX6	X3				COMPASS	13053	A
38	COMPASS	MX7	0				COMPASS	13054	I
39	-CMP165								
40	COMPASS	SX1	B7	SETUP ARGUMENT DESCRIPTOR WORD			CMP165	52	A
41	COMPASS	SA6	X2+B7				COMPASS	13055	A
42	COMPASS	SA7	A6+B1				COMPASS	13056	I
43	-CMP165								
44	COMPASS	PX1	B6				CMP165	53	A
45	COMPASS		ADDWORD MARDIS				CMP165	54	A
46	COMPASS	SA1	P1TEMPA	REDUCE PARAMETER COUNT			COMPASS	13057	A
47	COMPASS	SX6	X1-1				COMPASS	13058	A
48	COMPASS	SA6	A1				COMPASS	13059	A
49	COMPASS	EQ	MCL15				COMPASS	13060	A
50	COMPASS MCL10	SX1	B0	PROCESS LOCATION FIELD			COMPASS	13061	A
51	COMPASS	SA2	LOCSYM				COMPASS	13062	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	MCLE	SPACE	4	COMPASS	13104	A
COMPASS	**	MCLE -	MACROE EXPANSION.	COMPASS	13105	A
COMPASS	*	ENTRY	(P1TEMPA) = TOTAL PARAMETER COUNT.	COMPASS	13106	A
COMPASS	*		(P1TEMPB) = LOCAL PARAMETER COUNT.	COMPASS	13107	A
COMPASS	*	USES	(P1TEMPD) = FORMAL PARAMETER COUNT.	COMPASS	13108	A
COMPASS	*		(P1TEMPE) = CURRENT KEYWORD INDEX.	CMP165	61	A
COMPASS				COMPASS	13109	A
COMPASS				COMPASS	13110	A
COMPASS	MCLE	SA1	P1TEMPA	COMPASS	13111	I
-CMP029			MOVE ARGUMENT LIST TO MARDIS			
COMPASS	MCLE	SA1	P1TEMPA	CMP029	106	A
COMPASS		SA2	A1+B1	COMPASS	13112	A
COMPASS		IX6	X1-X2	COMPASS	13113	A
COMPASS		SA6	P1TEMPD	COMPASS	13114	A
COMPASS		MANAGE	MARDIS,X6	COMPASS	13115	A
COMPASS		SA1	P1TEMPD	COMPASS	13116	A
COMPASS		IX3	X2+X3	COMPASS	13117	A
COMPASS		SB7	X3	COMPASS	13118	I
-CMP029						
COMPASS		SA2	O.MACDEF	COMPASS	13119	I
-CMP029						
COMPASS		SA4	OPTYPE	COMPASS	13120	I
-CMP029						
COMPASS		IX4	X4+X2	COMPASS	13121	I
-CMP029						
COMPASS		IX1	X3-X1	COMPASS	13122	I
-CMP029						
COMPASS		SB6	X1	COMPASS	13123	I
-CMP029						
COMPASS		SA1	X4	COMPASS	13124	I
-CMP029						
COMPASS		SA5	L.MARGS	COMPASS	13125	I
-CMP029						
COMPASS		EQ	B6,B7,MCLE2 IF END OF PARAMETERS	COMPASS	13126	I
-CMP029						
COMPASS	MCLE1	LX1	18	COMPASS	13127	I
-CMP029						
COMPASS		IX6	X1+X5	COMPASS	13128	I
-CMP029						
COMPASS		SA1	A1+B1	COMPASS	13129	I
-CMP029						
COMPASS		SA6	B6	COMPASS	13130	I
-CMP029						
COMPASS		SB6	B6+B1	COMPASS	13131	I
-CMP029						
COMPASS		NE	B6,B7,MCLE1 LOOP	COMPASS	13132	I
-CMP029						
COMPASS	MCLE2	MX1	0	COMPASS	13133	I
-CMP029			CREATE NULL ARGUMENT			
COMPASS		IX2	X3-X1	CMP029	107	A
COMPASS		SA1	L.MARGS	CMP029	108	I
-CMP165						
0	1	2	3	4	5	6
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## 1412THE

3

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS		SA1	A1+B1		COMPASS	13160		I	
1		-CMP029								
2	COMPASS		NZ	X5,MCLE5	LOOP	COMPASS	13161		I	
3		-CMP029								
4	COMPASS		SA2	L.MARGS	STORE INDEX	COMPASS	13162		I	
5		-CMP029								
6	COMPASS		BX6	X2		COMPASS	13163		I	
7		-CMP029								
8	COMPASS		SA6	B6-B1		COMPASS	13164		I	
9		-CMP029								
10	COMPASS	MCLE4	RJ	PMACF		CMP029	111	A		
11	COMPASS		ZR	X6,MCLE9A	IF EMPTY OR INVALID OR DUPLICATE	CMP029	112	A		
12	COMPASS		SA1	COLUMN		CPS254	4	A		
13	COMPASS		SA2	X1+CARD-1-1		CPS254	5	A		
14	COMPASS		SX1	X2-1R=		CPS254	6	A		
15	COMPASS		NZ	X1,MCLE9	IF SEPARATOR NOT =	CPS254	7	A		
16	COMPASS		SA2	P1TEMPD	LOOKUP IN KEYWORD LIST	CMP029	113	A		
17	COMPASS		SA1	RELVEC+64		CMP029	114	A		
18	COMPASS		SB7	X2+B1		CMP029	115	A		
19	COMPASS		SB7	-B7		CMP029	116		I	
20		-CMP165								
21	COMPASS		SX7	-B7		CMP165	64	A		
22	COMPASS	MCLE5	BX3	X1-X6		CMP029	117	A		
23	COMPASS		SB7	B7+B1		CMP029	118		I	
24		-CMP165								
25	COMPASS		NO			CMP029	119		I	
26		-CMP165								
27	COMPASS		SX7	X7+1		CMP165	65	A		
28	COMPASS		SA1	A1+B1		CMP029	120	A		
29	COMPASS		PL	B7,MCLE9	IF PARAMETER NOT FOUND	CMP029	121		I	
30		-CMP165								
31	COMPASS		PL	X7,MCLE9	IF KEYWORD NOT FOUND	CMP165	66	A		
32	COMPASS		NZ	X3,MCLE5	LOOP	CMP029	122	A		
33	COMPASS		SA7	P1TEMPE		CMP165	67	A		
34	COMPASS		RJ	PMA	PACK MACRO ARGUMENT	CMP165	68	A		
35	COMPASS		BX6	X1		CMP165	69	A		
36	COMPASS		SA1	O.MARDIS		CMP029	123	A		
37	COMPASS		SA2	L.MARDIS		CMP029	124	A		
38	COMPASS		SA3	L.MARGS		CMP029	125		I	
39		-CMP165								
40	COMPASS		SA3	P1TEMPE		CMP165	70	A		
41	COMPASS		IX4	X1+X2		CMP029	126	A		
42	COMPASS		BX6	X3		CMP029	127		I	
43		-CMP165								
44	COMPASS		SB7	X3		CMP165	71	A		
45	COMPASS		SA6	X4+B7	STORE POINTER TO VALUE	CMP029	128	A		
46	COMPASS		RJ	PMA	PACK MACRO ARGUMENT	COMPASS	13165		I	
47		-CMP165								
48	COMPASS		SA1	CHAR	CHECK FOR END OF FIELD	COMPASS	13166	A		
49	COMPASS		SB7	X1-1R		COMPASS	13167	A		
50	COMPASS		NZ	B7,MCLE3	LOOP TO END OF CALL	COMPASS	13168		I	
51		-CMP029								
52										
53		0	1	2	3	4	5	6	7	8
54		1234567890123456789012345678901234567890123456789012345678901234567890								

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	MCLE6	SA1	P1TEMPD	CLEAR KEY FIELDS	COMPASS	13169	I
COMPASS	-CMP029	SA2	O.MARDIS		COMPASS	13170	I
COMPASS	-CMP029	SA3	L.MARDIS		COMPASS	13171	I
COMPASS	-CMP029	MX0	-18		COMPASS	13172	I
COMPASS	-CMP029	IX2	X2+X3		COMPASS	13173	I
COMPASS	-CMP029	SB7	X2		COMPASS	13174	I
COMPASS	-CMP029	IX1	X2-X1		COMPASS	13175	I
COMPASS	-CMP029	SB6	X1		COMPASS	13176	I
COMPASS	-CMP029	EQ	B6,B7,MCLE8	IF END OF PARAMETERS	COMPASS	13177	I
COMPASS	MCLE7	SA1	B6		COMPASS	13178	I
COMPASS	-CMP029	BX6	-X0*X1		COMPASS	13179	I
COMPASS	-CMP029	SB6	B6+B1		COMPASS	13180	I
COMPASS	-CMP029	SA6	A1		COMPASS	13181	I
COMPASS	-CMP029	NE	B6,B7,MCLE7	LOOP	COMPASS	13182	I
COMPASS	MCLE8	NZ	B7,MCLE4	LOOP TO END OF CALL	CMP029	129	A
COMPASS	MCLE8	SA1	P1TEMPB	SET COUNT TO LOCAL PARAMETERS	COMPASS	13183	A
COMPASS		BX6	X1		COMPASS	13184	A
COMPASS		SA6	A1-B1		COMPASS	13185	A
COMPASS		EQ	MCL20	EXIT	COMPASS	13186	A
COMPASS	*				COMPASS	13187	A
COMPASS	-CMP029			ERROR IN EXPANSION.	COMPASS	13188	I
COMPASS	*			BAD FORMAL PARAMETER NAME.	CMP029	130	A
COMPASS	MCLE9	SX6	B1		COMPASS	13189	A
COMPASS	-CMP029				COMPASS	13190	I
COMPASS	-CMP029	SA6	EFLG		COMPASS	13191	I
COMPASS	-CMP029	SA6	W4ERR		COMPASS	13192	I
COMPASS	-CMP029	EQ	MCLE6		COMPASS	13193	I
COMPASS	MCLE9	SX6	B1	SET *4* ERROR	CMP029	131	A
COMPASS		SA6	W4ERR		CMP029	132	A
COMPASS		SA6	EFLG		CMP029	133	A
COMPASS	MCLE9A	RJ	PMACE	SKIP VALUE	CMP029	134	A
COMPASS		NZ	X7,MCLE4	IF NOT END OF CARD	CMP029	135	A
COMPASS		EQ	MCLE8		CMP029	136	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	RJ	YEVITEM	EVALUATE ITEM	COMPASS	13246	A
COMPASS	SA1	ELREG		COMPASS	13247	A
COMPASS	ZR	X1,MCL06	IF NOT REGISTER	COMPASS	13248	A
COMPASS	SA2	OPADS+4	GO BACK TO START OF REGISTER	COMPASS	13249	A
COMPASS	SX6	X2-1		COMPASS	13250	A
COMPASS	SA6	COLUMN		COMPASS	13251	A
COMPASS	RJ	GETCH		COMPASS	13252	A
COMPASS	RJ	MCLOR	PACK REGISTER	COMPASS	13253	A
COMPASS	EQ	MCL03		COMPASS	13254	A
COMPASS	MCL06	SA2	COLUMN	COMPASS	13255	A
COMPASS	SA3	OPADS+3	GO BACK TO OPERATOR PREC. ELEMENT	COMPASS	13256	A
COMPASS	SX6	X3-1		COMPASS	13257	A
COMPASS	SB2	X2		COMPASS	13258	A
COMPASS	SA6	A2		COMPASS	13259	A
COMPASS	MCL06A	RJ	GETCH	COMPASS	13260	A
COMPASS	SA2	COLUMN		COMPASS	13261	A
COMPASS	SB3	X2		COMPASS	13262	A
COMPASS	EQ	B2,B3,MCL03	IF AT END OF ELEMENT	COMPASS	13263	A
COMPASS	SA2	OPADS	ADD CHARACTER TO ADDRESS	COMPASS	13264	I
-CMP165						
COMPASS	SA2	OPADS+1	ADD CHARACTER TO ADDRESS	CMP165	80	A
COMPASS	SA3	A2+B1		COMPASS	13265	A
COMPASS	LX2	6		COMPASS	13266	I
-CMP165						
COMPASS	BX6	X2+X1		COMPASS	13267	I
-CMP165						
COMPASS	SA6	A2		COMPASS	13268	I
-CMP165						
COMPASS	SA4	A3+B1		COMPASS	13269	I
-CMP165						
COMPASS	SX7	X4-1		COMPASS	13270	I
-CMP165						
COMPASS	SA7	A4		COMPASS	13271	I
-CMP165						
COMPASS	NZ	X7,MCL06A		COMPASS	13272	I
-CMP165						
COMPASS	SA6	RELVEC+X3		COMPASS	13273	I
-CMP165						
COMPASS	SA7	A2		COMPASS	13274	I
-CMP165						
COMPASS	SX6	X3+B1		COMPASS	13275	I
-CMP165						
COMPASS	SX7	10		COMPASS	13276	I
-CMP165						
COMPASS	SA6	A3		COMPASS	13277	I
-CMP165						
COMPASS	SA7	A4		COMPASS	13278	I
-CMP165						
COMPASS	UX7,B7	X3		CMP165	81	A
COMPASS	SA4	RELVEC-1+X2		CMP165	82	A
COMPASS	ZR	B7,MCL07	IF AT END OF WORD	CMP165	83	A
COMPASS	SB7	B7-6		CMP165	84	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SX7	X3+B1	COUNT CHARACTERS	CMP165	85	A
COMPASS	LX1	B7		CMP165	86	A
COMPASS	PX7	B7		CMP165	87	A
COMPASS	BX6	X4+X1	INSERT NEW CHARACTER	CMP165	88	A
COMPASS	SA7	A3		CMP165	89	A
COMPASS	SA6	A4		CMP165	90	A
COMPASS	EQ	MCL06A	LOOP	CMP165	91	A
COMPASS	MCL07	SB7	60-6	CMP165	92	A
COMPASS	SX7	X2+B1	ADVANCE WORD INDEX	CMP165	93	A
COMPASS	LX6	X1,B7		CMP165	94	A
COMPASS	SA7	A2		CMP165	95	A
COMPASS	SX3	X3+B1	COUNT CHARACTERS	CMP165	96	A
COMPASS	SA6	RELVEC-1+X7		CMP165	97	A
COMPASS	PX7	X3,B7		CMP165	98	A
COMPASS	SA7	A3		CMP165	99	A
COMPASS	EQ	MCL06A		COMPASS	13279	A
COMPASS				COMPASS	13280	A
COMPASS	*	MOVE ADDRESS		COMPASS	13281	I
-CMP26						
COMPASS	*	MOVE ADDRESS.		CMP26	48	A
COMPASS				COMPASS	13282	A
COMPASS	MCL08	SA5	P1TEMPD CHECK IF THIS SUBFIELD HAS AN ADDR	COMPASS	13283	A
COMPASS		LX5	7	COMPASS	13284	A
COMPASS		LX6	X5,B1	COMPASS	13285	A
COMPASS		SA6	A5	COMPASS	13286	A
COMPASS		PL	X5,MCL08A	COMPASS	13287	A
COMPASS		SA1	OPADS	COMPASS	13288	I
-CMP165						
COMPASS		SA2	A1+B1	COMPASS	13289	I
-CMP165						
COMPASS		SA3	A2+B1 BIND OFF ADDRESS	COMPASS	13290	I
-CMP165						
COMPASS		SB6	X3	COMPASS	13291	I
-CMP165						
COMPASS		BX6	X1	COMPASS	13292	I
-CMP165						
COMPASS	+	SB6	B6-B1	COMPASS	13293	I
-CMP165						
COMPASS		LX6	6	COMPASS	13294	I
-CMP165						
COMPASS		NZ	B6,*	COMPASS	13295	I
-CMP165						
COMPASS		SA6	RELVEC+X2	COMPASS	13296	I
-CMP165						
COMPASS		SX7	X2+B1	COMPASS	13297	I
-CMP165						
COMPASS		SA7	A2	COMPASS	13298	I
-CMP165						
COMPASS		SA1	L.MARGS	COMPASS	13299	A
COMPASS		SA2	OPADS+2 SETUP ARGUMENT DESCRIPTOR WORD	CMP165	100	A
COMPASS		SB7	X2	CMP165	101	A
COMPASS		PX1	B7	CMP165	102	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	ADDWORD	MARDIS	COMPASS	13300	A				
COMPASS	SA1	OPADS+1	COMPASS	13301	A				
COMPASS	MANAGE	MARGS,X1	COMPASS	13302	A				
COMPASS	IX2	X3+X2	COMPASS	13303	A				
COMPASS	SA1	OPADS+1	COMPASS	13304	A				
COMPASS	IX3	X2-X1	COMPASS	13305	A				
COMPASS	SX2	RELVEC	COMPASS	13306	A				
COMPASS	RJ	MOVE	COMPASS	13307	A				
COMPASS	MCL08A	SA1	CHAR	TEST FOR END OF SUBFIELD ONLY	COMPASS	13308	A		
COMPASS		SB7	X1-1R,		COMPASS	13309	I		
-CMP9									
COMPASS	ZR	B7,MCL02A	COMPASS	13310	I				
-CMP9									
COMPASS	SX6	B0	CLEAR OUT OP CODE ERRORS	COMPASS	13311	I			
-CMP9									
COMPASS	EQ	MCL02		CMP9	45	A			
COMPASS				CMP9	46	A			
COMPASS	*	END OF VARIABLE FIELD.		CMP9	47	A			
COMPASS				CMP9	48	A			
COMPASS	MCL09	SX6	B0	CLEAR OUT OPCODE ERRORS	CMP9	49	A		
COMPASS		SA6	AERR		COMPASS	13312	A		
COMPASS		SA6	UERR		COMPASS	13313	A		
COMPASS		SA2	P1TEMPB		COMPASS	13314	A		
COMPASS		BX6	X2	CHECK IF THERE ARE ANY LOCALS TO	COMPASS	13315	A		
COMPASS		SA6	A2-B1	GENERATE	COMPASS	13316	A		
COMPASS		NZ	X2,MCL20		COMPASS	13317	A		
COMPASS					COMPASS	13318	A		
COMPASS	*	END OF EXPANSION.			COMPASS	13319	A		
COMPASS					COMPASS	13320	A		
COMPASS	MCL60	SA1	P1TEMP		COMPASS	13321	I		
-CPS004									
COMPASS	MCL60	RJ	CRL	CHECK RECURSION LIMIT	S004	52	CPS004	33	A
COMPASS		SA1	P1TEMP		S004	53	CPS004	34	A
COMPASS		MX6	2	CREATE OPTYPE FOR INTERMEDIATE			COMPASS	13322	A
COMPASS		LX1	57				COMPASS	13323	A
COMPASS		BX6	X1+X6				COMPASS	13324	A
COMPASS		SA2	OPTYPE				COMPASS	13325	A
COMPASS		BX7	X2				COMPASS	13326	A
COMPASS		SA6	A2				COMPASS	13327	A
COMPASS		SA7	A1				COMPASS	13328	A
COMPASS		SA1	LOCSYM				COMPASS	13329	A
COMPASS		ZR	X1,MCL61	IF NO LOCATION SYMBOL			COMPASS	13330	A
COMPASS		RJ	WINTER				COMPASS	13331	A
COMPASS		EQ	MCL62				COMPASS	13332	A
COMPASS	MCL61	RJ	CWI				COMPASS	13333	A
COMPASS	MCL62	SX6	B1				COMPASS	13334	I
-CPS004									
COMPASS	MCL62	SA1	MCLA	RECALL PUSHDOWN PARAMETERS	S004	55	CPS004	35	A
COMPASS		SX2	B1		S004	56	CPS004	36	A
COMPASS		SA3	A1+B1		S004	57	CPS004	37	A
COMPASS		SA5	A3+B1		S004	58	CPS004	38	A
COMPASS		SA4	A5+B1		S004	59	CPS004	39	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	ZR	X6,*+2	COMPASS	13369	I
COMPASS -CMP165	LX6	6	COMPASS	13370	I
COMPASS -CMP165	BX4	X7*X6	COMPASS	13371	I
COMPASS -CMP165	ZR	X4,*	COMPASS	13372	I
COMPASS -CMP165	BX1	X6	COMPASS	13373	I
COMPASS -CMP165	SB3	B0	CMP165	105	A
COMPASS	ZR	X6,MCLOR2	CMP165	106	A
COMPASS MCLOR1	BX4	X7*X6	CMP165	107	A
COMPASS	LX6	6	CMP165	108	A
COMPASS	SB3	B3-1	CMP165	109	A
COMPASS	ZR	X4,MCLOR1	CMP165	110	A
COMPASS	LX6	-6	CMP165	111	A
COMPASS	SB3	11+B3	CMP165	112	A
COMPASS MCLOR2	SA2	L.MARGS	CMP165	113	A
COMPASS	BX1	X6	CMP165	114	A
COMPASS	PX6	X2,B3	CMP165	115	A
COMPASS	SA6	P1TEMPC	CMP165	116	A
COMPASS	ADDWORD	MARGS	COMPASS	13374	A
COMPASS	SA1	P1TEMPC	CMP165	117	A
COMPASS	ADDWORD	MARDIS	CMP165	118	A
COMPASS	SA1	CHAR	COMPASS	13375	A
COMPASS	EQ	MCLOR	COMPASS	13376	A
COMPASS PCARD	SPACE	4	COMPASS	13377	A
COMPASS **	PCARD	- PACK CARD INTO TABLE.	COMPASS	13378	A
COMPASS *	ENTRY	(X1) = TABLE NAME.	COMPASS	13379	A
COMPASS			COMPASS	13380	A
COMPASS			COMPASS	13381	A
COMPASS PCARD	PS	RETURN EXIT	COMPASS	13382	A
COMPASS	BX6	X1	COMPASS	13383	A
COMPASS	SA6	PCARDT	COMPASS	13384	A
COMPASS	RJ	SQUEEZE	COMPASS	13385	A
COMPASS	SA1	SQLGN	COMPASS	13386	A
COMPASS	SA2	PCARDT	COMPASS	13387	A
COMPASS	MANAGE	X2,X1	COMPASS	13388	A
COMPASS	SA1	SQLGN	COMPASS	13389	A
COMPASS	IX3	X2+X3	COMPASS	13390	A
COMPASS	IX3	X3-X1	COMPASS	13391	A
COMPASS	SX2	SQIMAGE	COMPASS	13392	A
COMPASS	RJ	MOVE	COMPASS	13393	A
COMPASS	EQ	PCARD	COMPASS	13394	A
COMPASS			COMPASS	13395	A
COMPASS PCARDT	DATA	0	COMPASS	13396	A
COMPASS PDC	SPACE	4	COMPASS	13397	A
COMPASS **	PDC	- PROCESS DEFINITION CARD.	COMPASS	13398	A
COMPASS *	FORMAL	PARAMETER SEPARATORS ARE +-*/()\$= ,. "_	COMPASS	13399	A
COMPASS *	ENTRY	(SQIMAGE) = PACKED IMAGE OF CARD.	COMPASS	13400	A
COMPASS *		(P1TEMPA) = TOTAL PARAMETER COUNT.	COMPASS	13401	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	*	(RELVEC) = PARAMETER NAMES.	COMPASS	13402	A
COMPASS	*	EXIT (CARD) = STRING BUFFER WITH PARAMETER MARKS.	COMPASS	13403	A
COMPASS			COMPASS	13404	A
COMPASS			COMPASS	13405	A
COMPASS	PDC	PS RETURN EXIT	COMPASS	13406	A
COMPASS		IFEQ IP.CSET,IP.C64.1	CPS0267	5	A
COMPASS		SA3 =6077760000000000001B DELIMITER MASK	COMPASS	13407	A
COMPASS		ELSE	CPS0267	6	A
COMPASS		SA3 =7077760000000000001B	CPS0267	7	A
COMPASS		ENDIF	CPS0267	8	A
COMPASS		SB6 9	COMPASS	13408	A
COMPASS		SX4 B6	COMPASS	13409	A
COMPASS		SA1 SQIMAGE PACKED IMAGE	COMPASS	13410	A
COMPASS		MX0 -6	COMPASS	13411	A
COMPASS		SB5 -71*NCARDS+3 LIMITING COLUMN COUNT	COMPASS	13412	A
COMPASS		SA0 STYPE+71*NCARDS-3	COMPASS	13413	A
COMPASS			COMPASS	13414	A
COMPASS	*	ENTRY FOR NEW POTENTIAL SUBSTITUTABLE ARGUMENT.	COMPASS	13415	A
COMPASS			COMPASS	13416	A
COMPASS	PDC1	SB4 B5 RESET ADDRESS IN CASE IF ARGUMENT	COMPASS	13417	A
COMPASS		MX5 0	COMPASS	13418	A
COMPASS			COMPASS	13419	A
COMPASS	*	ENTRY FOR NEXT CHARACTER.	COMPASS	13420	A
COMPASS			COMPASS	13421	A
COMPASS	PDC2	LX1 6	COMPASS	13422	A
COMPASS		BX6 -X0*X1 ISOLATE NEW CHARACTER	COMPASS	13423	A
COMPASS		SB7 X6	COMPASS	13424	A
COMPASS		AX7 X3,B7	COMPASS	13425	A
COMPASS	+	GE B6,B1,*+1 IF STILL CHARACTERS IN WORD	COMPASS	13426	A
COMPASS		SB6 X4+B1	CMP64G	250	A
COMPASS		SA1 A1+B1 FETCH NEW WORD	COMPASS	13427	A
COMPASS		SB6 X4+B1	COMPASS	13428	I
COMPASS	-CMP64G				
COMPASS	+	SB6 B6-B1	COMPASS	13429	I
COMPASS	-CMP64G				
COMPASS		LX7 59	COMPASS	13430	I
COMPASS	-CMP64G				
COMPASS	+	LX7 59	CMP64G	251	A
COMPASS		SB6 B6-B1	CMP64G	252	A
COMPASS		NG X7,PDC3 IF THIS IS A DELIMITER	COMPASS	13431	A
COMPASS	+	PL B5,*+1 IF ROOM REMAINS IN CARD	COMPASS	13432	A
COMPASS		SA6 A0+B5 STORE CHARACTER	COMPASS	13433	A
COMPASS		SB5 B5+B1 UP COLUMN COUNT	COMPASS	13434	A
COMPASS		LX5 6	COMPASS	13435	A
COMPASS		BX5 X6+X5 OR INTO POTENTIAL PARAMETER NAME	COMPASS	13436	A
COMPASS		EQ PDC2 AND LOOP	COMPASS	13437	A
COMPASS			COMPASS	13438	A
COMPASS	*	DELIMITER FOUND.	COMPASS	13439	A
COMPASS			COMPASS	13440	A
COMPASS	PDC3	SA2 P1TEMPA TOTAL PARAMETER COUNT	COMPASS	13441	A
COMPASS		SB2 X2-1	COMPASS	13442	A
COMPASS		ZR X2,PDC5 IF NOT PARAMETERS	COMPASS	13443	A
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS		SA2	RELVEC		COMPASS	13444	A
COMPASS	PDC4	BX7	X2-X5		COMPASS	13445	A
COMPASS		SB2	B2-B1		COMPASS	13446	A
COMPASS		SA2	A2+B1		COMPASS	13447	A
COMPASS		ZR	X7,PDC6	IF PARAMETER FOUND	COMPASS	13448	A
COMPASS		PL	B2,PDC4		COMPASS	13449	A
COMPASS	PDC5	ZR	B7,PDC7	PROCESS DELIMITER... IF BLANK MARK	COMPASS	13450	A
COMPASS		PL	B5,PDC1	IF CARD EXHAUSTED	COMPASS	13451	A
COMPASS		SA6	A0+B5	STORE DELIMITER	COMPASS	13452	A
COMPASS		SB5	B5+B1		COMPASS	13453	A
COMPASS		EQ	PDC1		COMPASS	13454	A
COMPASS					COMPASS	13455	A
COMPASS	*		PARAMETER FOUND.		COMPASS	13456	A
COMPASS					COMPASS	13457	A
COMPASS	PDC6	BX7	-X0	GET A 77	COMPASS	13458	A
COMPASS		SB5	B4+2	UPDATE COLUMN NO	COMPASS	13459	A
COMPASS		PL	B5,PDC1	IF OUT OF RANGE	COMPASS	13460	A
COMPASS		SA7	A0+B4	STORE 77 (PARAMETER MARK)	COMPASS	13461	A
COMPASS		SX7	A2-RELVEC	STORE PARAMETER NUMBER	COMPASS	13462	A
COMPASS		SA7	A7+B1		COMPASS	13463	A
COMPASS		SA7	P1TEMP		COMPASS	13464	I
-CMP64G							
COMPASS		EQ	PDC5	GO PROCESS DELIMITER	COMPASS	13465	A
COMPASS					COMPASS	13466	A
COMPASS	*		00 CHARACTER.		COMPASS	13467	A
COMPASS					COMPASS	13468	A
COMPASS	PDC7	LX1	6	FETCH NEXT CHARACTER	COMPASS	13469	A
COMPASS		BX6	-X0*X1		COMPASS	13470	A
COMPASS		SB7	X6		COMPASS	13471	A
COMPASS	+	GE	B6,B1,*+1		COMPASS	13472	A
COMPASS		SB6	X4+B1		COMPASS	13473	A
COMPASS		SA1	A1+B1		COMPASS	13474	A
COMPASS	+	SB6	B6-B1		COMPASS	13475	A
COMPASS		BX6	X6-X6		CMP64G	253	A
COMPASS		ZR	B7,PDC8	IF END OF CARD	COMPASS	13476	A
COMPASS		EQ	B7,B1,PDC5	IF 0001 (COLON), GO STORE 00	CMP64G	254	A
COMPASS		SX6	1R	STORE BLANKS OUT TO END OF CARD	COMPASS	13477	A
COMPASS		SA6	A0+B5		COMPASS	13478	A
COMPASS		SB2	B5+B7		COMPASS	13479	A
COMPASS		SB2	B2+B1		COMPASS	13480	A
COMPASS		PL	B2,PDC1	IF OUT OF BOUNDS	COMPASS	13481	A
COMPASS	+	SB7	B7-B1		COMPASS	13482	A
COMPASS		SA6	A6+B1		COMPASS	13483	A
COMPASS		NZ	B7,*		COMPASS	13484	A
COMPASS		SB5	B2		COMPASS	13485	A
COMPASS		EQ	PDC1		COMPASS	13486	A
COMPASS					COMPASS	13487	A
COMPASS	*		END OF CARD.		COMPASS	13488	A
COMPASS					COMPASS	13489	A
COMPASS	PDC8	SX6	1R	BLANK OUT REMAINDER OF CARD	COMPASS	13490	A
COMPASS		SA1	LASTCOL		CMP12	29	A
COMPASS		SA6	A0+B5		COMPASS	13491	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS		SX7	A6-STYPE-1			COMPASS	13492	A
COMPASS		SB6	X1			CMP12	30	A
COMPASS	+	NZ	X7,*+1	IF NOT ALL BLANKS		CMP27	20	A
COMPASS		SX7	B1			CMP27	21	A
COMPASS		SA7	LASTCOL	UPDATE LASTCOL		COMPASS	13493	A
COMPASS		SB7	X7			CMP12	31	A
COMPASS		MX7	0			COMPASS	13494	A
COMPASS	+	SB5	B5+B1			COMPASS	13495	I
	-CMP12							
COMPASS	+	SB7	B7+B1			CMP12	32	A
COMPASS		SA6	A6+B1			COMPASS	13496	A
COMPASS		NG	B5,*			COMPASS	13497	I
	-CMP12							
COMPASS		LT	B7,B6,*			CMP12	33	A
COMPASS		SA7	SQLGN	PERMIT REPACKING		COMPASS	13498	A
COMPASS		EQ	PDC	RETURN		COMPASS	13499	A
COMPASS	PEC	SPACE	4			COMPASS	13500	A
COMPASS	**	PEC	PROCESS END CARD.			COMPASS	13501	A
COMPASS	*	ENTRY	(X1) = NAME OF ENDX CARD.			COMPASS	13502	A
COMPASS	*		(P1TEMPE) = BRACKET NAME.			COMPASS	13503	A
COMPASS	*	EXIT	(P1TEMPD) = 1 IF ENDX CARD FOUND.			COMPASS	13504	A
COMPASS						COMPASS	13505	A
COMPASS						COMPASS	13506	A
COMPASS	PEC	PS		RETURN EXIT		COMPASS	13507	A
COMPASS		BX6	X1			COMPASS	13508	A
COMPASS		SA6	PECA			COMPASS	13509	A
COMPASS		MX6	0			COMPASS	13510	A
COMPASS		SA6	P1TEMPD	CLEAR ENDM FLAG		COMPASS	13511	A
COMPASS	PEC1	RJ	SQUEEZE	WRITE DEFINITION CARD		COMPASS	13512	A
COMPASS		SA2	IOP			COMPASS	13513	A
COMPASS		SX0	3REND			COMPASS	13514	A
COMPASS		IX0	X2-X0			COMPASS	13515	A
COMPASS		ZR	X0,END	IF *END* CARD		COMPASS	13516	I
	-CPS0320							
COMPASS		ZR	X0,PEC5	IF *END* CARD		CPS0320	6	A
COMPASS		RJ	CWI			COMPASS	13517	A
COMPASS		MX6	0	CLEAR PARAMETER NUMBER		COMPASS	13518	I
	-CMP64G							
COMPASS		SA6	P1TEMP			COMPASS	13519	I
	-CMP64G							
COMPASS		SA1	STYPE			COMPASS	13520	A
COMPASS		SB7	X1-1R*			COMPASS	13521	A
COMPASS		ZR	B7,PEC4	IF COMMENTS CARD		COMPASS	13522	A
COMPASS		SA2	IOP			COMPASS	13523	A
COMPASS		SA1	PECA			COMPASS	13524	A
COMPASS		IX0	X2-X1			COMPASS	13525	A
COMPASS		SA1	LOCSYM			COMPASS	13526	A
COMPASS		NZ	X0,PEC	IF NOT ENDX CARD		COMPASS	13527	A
COMPASS		SA2	P1TEMPE			COMPASS	13528	A
COMPASS		BX0	X2-X1			COMPASS	13529	A
COMPASS		ZR	X1,PEC2			COMPASS	13530	A
COMPASS		NZ	X0,PEC			COMPASS	13531	A
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	PEC2	SX6	1R	CLEAR LOCATION SYMBOL	COMPASS	13532	I	
	COMPASS	-CMP64G							
	COMPASS	PEC2	SA1	CARD	CLEAR LOCATION FIELD	CMP64G	255	A	
	COMPASS		SX6	1R		CMP64G	256	A	
	COMPASS		SX7	B1		COMPASS	13533	A	
	COMPASS		SA1	CARD		COMPASS	13534	I	
		-CMP64G							
	COMPASS		SA6	A1	CLEAR COLUMN 1	COMPASS	13535	A	
	COMPASS		SA7	P1TEMPD		COMPASS	13536	A	
	COMPASS	PEC3	SA1	A1+B1		COMPASS	13537	A	
	COMPASS		BX7	X1-X6		COMPASS	13538	A	
	COMPASS		SA6	A6+B1		COMPASS	13539	A	
	COMPASS		NZ	X7,PEC3		COMPASS	13540	A	
	COMPASS		SA7	SQLGN	CLEAR COMPRESSION INDICATOR	COMPASS	13541	A	
	COMPASS		RJ	SQUEEZE	REPACK CARD WITH BLANKED LOCSYM	COMPASS	13542	A	
	COMPASS		EQ	PEC	RETURN	COMPASS	13543	A	
	COMPASS					COMPASS	13544	A	
	COMPASS	*			SKIP COMMENT CARD.	COMPASS	13545	A	
	COMPASS					COMPASS	13546	A	
	COMPASS	PEC4	RJ	INPUT1		COMPASS	13547	A	
	COMPASS		RJ	SETUP		COMPASS	13548	A	
	COMPASS		EQ	PEC1	LOOP	COMPASS	13549	A	
	COMPASS					COMPASS	13550	A	
	COMPASS	*			END CARD.	CPS0320	7	A	
	COMPASS					CPS0320	8	A	
	COMPASS	PEC5	SA1	IOP	*END*	CPS0320	9	A	
	COMPASS		RJ	TLUOP	MAKE SURE OPTYPE IS SET CORRECTLY	CPS0320	10	A	
	COMPASS		EQ	END		CPS0320	11	A	
	COMPASS	PECA	DATA	0	NAME OF ENDX CARD	COMPASS	13551	A	
	COMPASS	PMA	SPACE	4		COMPASS	13552	A	
	COMPASS	**	PMA	PROCESS MACRO ARGUMENTS.			COMPASS	13553	A
	COMPASS	*	ENTRY	(CARD) = ARGUMENTS SEPARATED BY *,*.			COMPASS	13554	A
	COMPASS	*	EXIT	(MARGS) = PACKED ARGUMENT.			COMPASS	13555	A
	COMPASS	*		(X1) = ARGUMENT DESCRIPTOR WORD FOR MARDIS TABLE.			CMP165	119	A
	COMPASS	*	USES	P1TEMPC.		COMPASS	13556	A	
	COMPASS	*	CALLS	MCLS.		COMPASS	13557	A	
	COMPASS					COMPASS	13558	A	
	COMPASS					COMPASS	13559	A	
	COMPASS	PMA	PS		RETURN EXIT	COMPASS	13560	A	
	COMPASS		SB6	10		COMPASS	13561	A	
	COMPASS		SA7	RELVEC		COMPASS	13562	I	
		-CMP029							
	COMPASS		SA7	RELVEC+128		CMP029	141	A	
	COMPASS		SB2	B0	PREPARE TO STORE CHARACTER STRINGS	COMPASS	13563	A	
	COMPASS		SB3	B0		CMP165	120	A	
	COMPASS		SX7	B0		COMPASS	13564	A	
	COMPASS		SA1	CHAR		COMPASS	13565	A	
	COMPASS		SB7	X1-1R(		COMPASS	13566	A	
	COMPASS		ZR	B7,PMA5	IF OPEN PAREN	COMPASS	13567	A	
	COMPASS	PMA1	SB7	X1-1R		COMPASS	13568	A	
	COMPASS		ZR	B7,PMA7		COMPASS	13569	A	
	COMPASS		EQ	B7,B1,PMA6		COMPASS	13570	A	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	PMACE	SPACE	4		CMP029	144	A
1	COMPASS	**	PMACE - SKIP ARGUMENT VALUE.			CMP029	145	A
2	COMPASS	*	CALLED BY *ECHO* AND *MCLE* AFTER AN EMPTY, INVALID, OR			CMP029	146	A
3	COMPASS	*	DUPLICATE FORMAL PARAMETER NAME IS SCANNED. SKIPS			CMP029	147	A
4	COMPASS	*	TO END OF ARGUMENT VALUE.			CMP029	148	A
5	COMPASS	*	EXIT (X7) = 0 IF END OF CARD.			CMP029	149	A
6	COMPASS					CMP029	150	A
7	COMPASS					CMP029	151	A
8	COMPASS	PMACEX	SB7	X1-1R		CMP029	152	A
9	COMPASS		ZR	B7,PMACE	IF COMMA FOLLOWED BY BLANK	CMP029	153	A
10	COMPASS					CMP029	154	A
11	COMPASS	PMACE0	SX7	A1-CARD+1		CMP029	155	A
12	COMPASS		BX6	X1		CMP029	156	A
13	COMPASS		SA7	COLUMN	STORE UPDATED COLUMN POINTER	CMP029	157	A
14	COMPASS		SA6	CHAR		CMP029	158	A
15	COMPASS					CMP029	159	A
16	COMPASS	PMACE	PS	RETURN EXIT		CMP029	160	A
17	COMPASS		SA4	COLUMN		CMP029	161	A
18	COMPASS		SA1	CARD-2+X4	GET SEPARATOR FOLLOWING NAME	CMP029	162	A
19	COMPASS		MX7	0		CMP029	163	A
20	COMPASS		SB5	-1R		CMP029	164	A
21	COMPASS		SB6	B0		CMP029	165	A
22	COMPASS		SB7	X1-1R,		CMP029	166	A
23	COMPASS		SA1	A1+B1		CMP029	167	A
24	COMPASS		ZR	B7,PMACEX	IF COMMA	CMP029	168	A
25	COMPASS		SB7	X1-1R(	LOOK AT CHARACTER THAT FOLLOWS SEPARATOR	CMP029	169	A
26	COMPASS		NZ	B7,PMACE1	IF NOT LEFT PAREN	CMP029	170	A
27	COMPASS		SA2	LASTCOL		CMP029	171	A
28	COMPASS		SA1	A1+B1		CMP029	172	A
29	COMPASS		IX2	X4-X2		CMP029	173	A
30	COMPASS		EQ	PMACE3		CMP029	174	A
31	COMPASS					CMP029	175	A
32	COMPASS	PMACE1	SB7	X1+B5		CMP029	176	A
33	COMPASS		SA1	A1+B1		CMP029	177	A
34	COMPASS		ZR	B7,PMACE	IF BLANK	CMP029	178	A
35	COMPASS		NE	B7,B1,PMACE1	IF NOT COMMA	CMP029	179	A
36	COMPASS		EQ	PMACE0	RETURN	CMP029	180	A
37	COMPASS					CMP029	181	A
38	COMPASS	PMACE2	SB7	B7+B7		CMP029	182	A
39	COMPASS		SX3	B1-B7		CMP029	183	A
40	COMPASS		SB6	B6+X3	UPDATE PAREN LEVEL	CMP029	184	A
41	COMPASS		SA1	A1+B1		CMP029	185	A
42	COMPASS		MI	B6,PMACE1	IF OUT OF PARENS	CMP029	186	A
43	COMPASS		SX2	X2+B1		CMP029	187	A
44	COMPASS	PMACE3	SB7	X1-1R(		CMP029	188	A
45	COMPASS		ZR	B7,PMACE2	IF LEFT PAREN	CMP029	189	A
46	COMPASS		EQ	B7,B1,PMACE2	IF RIGHT PAREN	CMP029	190	A
47	COMPASS		SX2	X2+B1		CMP029	191	A
48	COMPASS		SA1	A1+B1		CMP029	192	A
49	COMPASS		MI	X2,PMACE3	IF NOT END OF CARD	CMP029	193	A
50	COMPASS		EQ	PMACE	RETURN	CMP029	194	A
51	COMPASS	PMACF	SPACE	4		COMPASS	13599	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	**	PMACF - ISOLATE FORMAL PARAMETER.			COMPASS	13600	A
1	COMPASS	*	THIS ROUTINE CATCHES ILLEGAL NAMES, DUPLICATED NAMES			COMPASS	13601	A
2	COMPASS	*	AND ADDS TO THE LIST IN RELVEC.			COMPASS	13602	A
3	COMPASS	*	EXIT (X6) = PARAMETER NAME.			COMPASS	13603	A
4	COMPASS					COMPASS	13604	A
5	COMPASS					COMPASS	13605	A
6	COMPASS	PMACFER	SX6	B1	POST REJECTED FORMAL PARAMETER ERROR	COMPASS	13606	A
7	COMPASS		SA6	W4ERR		COMPASS	13607	A
8	COMPASS		SA6	EFLG		COMPASS	13608	A
9	COMPASS	PMACFN	MX6	0		COMPASS	13609	A
10	COMPASS					COMPASS	13610	A
11	COMPASS	PMACF	PS		RETURN EXIT	COMPASS	13611	A
12	COMPASS		SA1	COLUMN		COMPASS	13612	A
13	COMPASS		MX3	49	ISOLATE THE FORMAL PARAMETER NAME	COMPASS	13613	A
14	COMPASS		BX2	-X3		COMPASS	13614	A
15	COMPASS		SA1	X1+CARD-1		COMPASS	13615	A
16	COMPASS		LX2	12		COMPASS	13616	A
17	COMPASS		BX6	X6-X6		COMPASS	13617	A
18	COMPASS		SB6	X1-1R0		COMPASS	13618	A
19	COMPASS		SB5	X1-1R9-1		COMPASS	13619	A
20	COMPASS		EQ	PMACF1		COMPASS	13620	A
21	COMPASS	PMACF1A	LX6	6		COMPASS	13621	A
22	COMPASS		BX6	X1+X6		COMPASS	13622	A
23	COMPASS		SA1	A1+B1		COMPASS	13623	A
24	COMPASS	PMACF1	SB7	X1		COMPASS	13624	A
25	COMPASS		LX3	X2,B7		COMPASS	13625	A
26	COMPASS		PL	X3,PMACF1A		COMPASS	13626	A
27	COMPASS		SB7	B7-1R		COMPASS	13627	A
28	COMPASS	+	ZR	B7,*+1		COMPASS	13628	A
29	COMPASS		SA1	A1+B1	THROW AWAY NAME TERMINATOR	COMPASS	13629	A
30	COMPASS		SX7	A1-CARD+1		COMPASS	13630	A
31	COMPASS		SA7	COLUMN		COMPASS	13631	A
32	COMPASS		BX7	X1		COMPASS	13632	A
33	COMPASS		SA7	CHAR		COMPASS	13633	A
34	COMPASS		ZR	X6,PMACFN		COMPASS	13634	A
35	COMPASS	+	NG	B6,*+1		COMPASS	13635	A
36	COMPASS		NG	B5,PMACFN		COMPASS	13636	I
37		-CMP029						
38	COMPASS		NG	B5,PMACFER	IF FIRST CHARACTER OF NAME IS 0-9	CMP029	195	A
39	COMPASS		SA2	P1TEMPA	FETCH PARAMETER COUNT	COMPASS	13637	A
40	COMPASS		SA3	RELVEC	AND COMPARE WITH EXISTING PARAMETERS	COMPASS	13638	A
41	COMPASS		ZR	X2,PMACF3		COMPASS	13639	A
42	COMPASS		SB7	X2-1		COMPASS	13640	A
43	COMPASS	PMACF2	BX4	X3-X6		COMPASS	13641	A
44	COMPASS		SA3	A3+B1		COMPASS	13642	A
45	COMPASS		SB7	B7-B1		COMPASS	13643	A
46	COMPASS		ZR	X4,PMACFN	IGNORE DUPLICATED NAME	COMPASS	13644	I
47		-CMP029						
48	COMPASS		ZR	X4,PMACFER	IF DUPLICATED NAME	CMP029	196	A
49	COMPASS		PL	B7,PMACF2		COMPASS	13645	A
50	COMPASS	PMACF3	SA4	=0RENDM		COMPASS	13646	A
51	COMPASS		SX0	3REND	CHECK FOR ILLEGAL NAME	COMPASS	13647	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA3	=0RLOCAL	COMPASS	13648	A
COMPASS	IX0	X6-X0	COMPASS	13649	A
COMPASS	BX3	X6-X3	COMPASS	13650	A
COMPASS	ZR	X0,PMACFER IF PARAMETER NAME IS END	COMPASS	13651	A
COMPASS	ZR	X3,PMACFER IF PARAMETER NAME IS LOCAL	COMPASS	13652	A
COMPASS	SX0	3RIRP	COMPASS	13653	A
COMPASS	BX4	X6-X4	COMPASS	13654	A
COMPASS	IX0	X6-X0	COMPASS	13655	A
COMPASS	MX3	12	COMPASS	13656	A
COMPASS	BX3	X6*X3	COMPASS	13657	A
COMPASS	ZR	X0,PMACFER IF IRP	COMPASS	13658	A
COMPASS	ZR	X4,PMACFER IF PARAMETER NAME IS ENDM	COMPASS	13659	A
COMPASS	NZ	X3,PMACFER IF PARAMETER NAME IS OVER 8 CHARS LONG	COMPASS	13660	A
COMPASS	SB7	X2-63	COMPASS	13661	A
COMPASS	PL	B7,PMACFF IF PARAMETER COUNT WILL EXCEED 63	COMPASS	13662	A
COMPASS	SX7	X2+B1	COMPASS	13663	A
COMPASS	SA6	RELVEC+63+B7 STORE FORMAL PARAMETER NAME	COMPASS	13664	A
COMPASS	SA7	A2	COMPASS	13665	A
COMPASS	EQ	PMACF	COMPASS	13666	A
COMPASS			COMPASS	13667	A
COMPASS	PMACFF	SX6 B1 POST OVERFLOW IF MORE THAN	COMPASS	13668	A
COMPASS		SA6 FERR 63 FORMAL/LOCAL PARAMETERS	COMPASS	13669	A
COMPASS		SA6 EFLG	COMPASS	13670	A
COMPASS		EQ PMACFN	COMPASS	13671	A
COMPASS	PMACRO	SPACE 4	COMPASS	13672	A
COMPASS	**	PMACRO - PROCESS MACRO DEFINITION (OPDEF ALSO).	COMPASS	13673	A
COMPASS	*	ENTRY (X0) = 0 IF MACRO.	COMPASS	13674	A
COMPASS	*	(X0) < 0 IF OPDEF.	COMPASS	13675	A
COMPASS	*	(X0) = 20000 IF MACROE.	COMPASS	13676	A
COMPASS	*	SCRATCH CELL USE EXPLAINED HERE...	COMPASS	13677	A
COMPASS	*		COMPASS	13678	A
COMPASS	*	P1TEMP MACRO NAME.	COMPASS	13679	A
COMPASS	*	P1TEMPA PARAMETER COUNT.	COMPASS	13680	A
COMPASS	*	P1TEMPB LOCAL PARAMETER COUNT.	COMPASS	13681	A
COMPASS	*	P1TEMPC LOCATION ARGUMENT FLAG.	COMPASS	13682	A
COMPASS	*	P1TEMPD REQUIRED PARAMETER COUNT AND FLAG.	COMPASS	13683	A
COMPASS	*	P1TEMPE BRACKET NAME.	COMPASS	13684	A
COMPASS	*	OPADS USED BY OPDEF TO RECORD FORMAT.	COMPASS	13685	A
COMPASS			COMPASS	13686	A
COMPASS			COMPASS	13687	A
COMPASS	PMACRO	PS RETURN EXIT	COMPASS	13688	A
COMPASS	SA1	LOCSYM SET MACRO NAME AND BRACKET NAME	COMPASS	13689	A
COMPASS	BX6	X1	COMPASS	13690	A
COMPASS	SA6	P1TEMP	COMPASS	13691	A
COMPASS	MX7	0	COMPASS	13692	A
COMPASS	SA7	A6+B1 P1TEMPA CLEAR PARAMETER COUNT	COMPASS	13693	A
COMPASS	SA7	A7+B1 P1TEMPB LOCAL PARAMETER COUNT	COMPASS	13694	A
COMPASS	SA7	A7+B1 P1TEMPC	COMPASS	13695	A
COMPASS	SA7	A7+B1 P1TEMPD	COMPASS	13696	A
COMPASS	SA6	A7+B1 BRACKET TO P1TEMPE	COMPASS	13697	A
COMPASS	SA7	PUSHUP CLEAR PUSHUP FLAG	COMPASS	13698	A
COMPASS	PL	X0,PMAC9 IF MACRO OR MACROE	COMPASS	13699	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS					COMPASS	13700	A		
COMPASS	*			OPDEF DEFINITIONS.	COMPASS	13701	A		
COMPASS					COMPASS	13702	A		
COMPASS		SA1	CARD	SCAN OPERATION SYNTAX	COMPASS	13703	A		
COMPASS		RJ	SOS		COMPASS	13704	A		
COMPASS		ZR	X6,PMACER	IF SYNTAX ERROR	COMPASS	13705	A		
COMPASS		EQ	PMAC10		COMPASS	13706	A		
COMPASS					COMPASS	13707	A		
COMPASS	*			MACRO DEFINITION.	COMPASS	13708	A		
COMPASS					COMPASS	13709	A		
COMPASS	PMAC9	BX6	X0	MACROE FLAG	COMPASS	13710	A		
COMPASS		SA6	P1TEMPC		COMPASS	13711	A		
COMPASS		MX7	59		COMPASS	13712	A		
COMPASS		SA7	P1TEMPD	FP COUNT SET TO -1	COMPASS	13713	A		
COMPASS		NZ	X1,PMAC10	IF LOCSYM IS MACRO NAME	COMPASS	13714	A		
COMPASS		SX7	X0+B1		COMPASS	13715	A		
COMPASS		SA7	P1TEMPC		COMPASS	13716	A		
COMPASS		RJ	SCLIST	GET MACRO NAME	COMPASS	13717	A		
COMPASS		SA1	CHAR		CMP30	4242	A		
COMPASS		SA6	P1TEMP	AND SAVE IT	COMPASS	13718	A		
COMPASS		SA6	P1TEMPE		COMPASS	13719	A		
COMPASS		RJ	PMACF	GET LOCATION PARAMETER	COMPASS	13720	I		
	-CMP029								
COMPASS		ZR	X6,PMACL	COMPLAIN IF NO MACRO NAME AT ALL	COMPASS	13721	I		
	-CMP30								
COMPASS		SB7	X1-1R		CMP30	4243	A		
COMPASS		ZR	B7,PMACL	IF NO MACRO NAME OR NO FIRST PARAMETER	CMP30	4244	A		
COMPASS	PMAC10	RJ	PMACF	GET PARAMETER	COMPASS	13722	A		
COMPASS		SA1	CHAR	CHECK FOR END OF FIELD	COMPASS	13723	A		
COMPASS		SB7	X1-1R		COMPASS	13724	A		
COMPASS		NZ	B7,PMAC10	KEEP GOING UNTIL END OF FIELD	COMPASS	13725	A		
COMPASS	PMAC21	SA1	P1TEMP		COMPASS	13726	A		
COMPASS		SX6	B1		COMPASS	13727	A		
COMPASS		SX0	3REND	CHECK FOR INVALID MACRO NAMES	COMPASS	13728	A		
COMPASS		SA2	=0RLOCAL	THOSE BEING...	COMPASS	13729	A		
COMPASS		BX0	X1-X0	(BLANK)	COMPASS	13730	A		
COMPASS		BX2	X1-X2	END	COMPASS	13731	A		
COMPASS		ZR	X0,PMACL	LOCAL	COMPASS	13732	A		
COMPASS		SX0	3RIRP		COMPASS	13733	A		
COMPASS		BX0	X1-X0		COMPASS	13734	A		
COMPASS		ZR	X1,PMACL		COMPASS	13735	A		
COMPASS		ZR	X2,PMACL		COMPASS	13736	A		
COMPASS		MX2	12		COMPASS	13737	A		
COMPASS		BX2	X2*X1		COMPASS	13738	A		
COMPASS		ZR	X0,PMACL	IF IRP	COMPASS	13739	A		
COMPASS		NZ	X2,PMACL	IF MORE THAN 8 CHARACTERS	COMPASS	13740	A		
COMPASS		RJ	TLUOP	LOOK UP MACRO NAME IN OP CODE TABLE	COMPASS	13741	A		
COMPASS		SX7	B0	CLEAR OUT POSSIBLE OP-CODE ERROR	COMPASS	13742	A		
COMPASS		SA7	OERR		COMPASS	13743	A		
COMPASS		ZR	X6,PMAC30	IF NOT IN TABLE	COMPASS	13744	A		
COMPASS		SA3	IFCDGP	CHECK FOR DUPLICATE MACRO DEFINITION	COMPASS	13745	A		
COMPASS		ZR	X3,PMAC22	IF ASSEMBLY MODE NOT YET KNOWN	COMPASS	13746	A		
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	NG	X6,PMAC22	OR OLD WAS PSEUDO OPERATION	COMPASS	13747	A
COMPASS	AX6	57		COMPASS	13748	A
COMPASS	SA3	MACHINE		COMPASS	13749	A
COMPASS	SB7	X6		COMPASS	13750	A
COMPASS	BX6	X6-X3		COMPASS	13751	A
COMPASS	GT	B7,B1,PMAC22	AGAIN, IF OLD WAS PSEUDO-OPERATION	COMPASS	13752	A
COMPASS	NZ	X6,PMAC30	OR FOR SAME MACHINE,	COMPASS	13753	A
COMPASS	PMAC22	SX6	B1 POST DUPLICATION WARNING FLAG	COMPASS	13754	A
COMPASS	SA6	EFLG		COMPASS	13755	A
COMPASS	SA6	W3ERR		COMPASS	13756	A
COMPASS	PMAC30	SA1	P1TEMPA CHECK PARAMETER COUNT IF A FIXED	COMPASS	13757	A
COMPASS	SA2	A1+B1	NUMBER WAS REQUIRED (OPDEF ONLY)	COMPASS	13758	A
COMPASS	IX7	X1-X2		COMPASS	13759	A
COMPASS	SA3	P1TEMPD		COMPASS	13760	A
COMPASS	IX6	X7-X3		COMPASS	13761	A
COMPASS	AX3	60		COMPASS	13762	A
COMPASS	BX5	-X3*X6		COMPASS	13763	A
COMPASS	NZ	X5,PMACER1	WRONG NUMBER OF PARAMETERS	COMPASS	13764	A
COMPASS	PMAC31	SX6	B1	COMPASS	13765	A
COMPASS	SA6	TXTFLG		COMPASS	13766	A
COMPASS	RJ	CWI	WRITE CARD	COMPASS	13767	A
COMPASS	RJ	INPUT1	READ NEXT ONE	COMPASS	13768	A
COMPASS	NZ	X1,PMAC200	IF PUSHUP OCCURRED	COMPASS	13769	I
-CMP64G						
COMPASS	NZ	X1,PMAC202	IF PUSHUP OCCURRED	CMP64G	257	A
COMPASS	RJ	SETUP		COMPASS	13770	A
COMPASS	SA2	STYPE		COMPASS	13771	A
COMPASS	SB7	X2-1R*		COMPASS	13772	A
COMPASS	SX3	3REND		COMPASS	13773	A
COMPASS	ZR	B7,PMAC31	IF COMMENT S CARD	COMPASS	13774	A
COMPASS	SA4	IOP		COMPASS	13775	A
COMPASS	BX3	X3-X4		COMPASS	13776	A
COMPASS	ZR	X3,END	IF END OP	COMPASS	13777	A
COMPASS	SX3	X4-2R		COMPASS	13778	A
COMPASS	NZ	X3,PMAC310	IF OP-CODE	COMPASS	13779	A
COMPASS	SA3	LOCSYM		COMPASS	13780	A
COMPASS	ZR	X3,PMAC31	IF NO LOC FIELD	COMPASS	13781	A
COMPASS	PMAC310	SA3	=0RLOCAL	COMPASS	13782	A
COMPASS	BX4	X3-X4		COMPASS	13783	A
COMPASS	NZ	X4,PMAC100	IF NOT LOCAL OP	COMPASS	13784	A
COMPASS	PMAC35	RJ	PMACF GET LOCAL NAME	COMPASS	13785	A
COMPASS	SA1	CHAR		COMPASS	13786	A
COMPASS	SA2	P1TEMPB		COMPASS	13787	A
COMPASS	ZR	X6,PMAC36		COMPASS	13788	A
COMPASS	SX6	X2+B1		COMPASS	13789	A
COMPASS	SA6	A2	UP LOCAL COUNT	COMPASS	13790	A
COMPASS	PMAC36	SB7	X1-1R	COMPASS	13791	A
COMPASS	ZR	B7,PMAC31	IF END OF FIELD	COMPASS	13792	A
COMPASS	EQ	PMAC35		COMPASS	13793	A
COMPASS				COMPASS	13794	A
COMPASS	*	PROCESS MACRO DEFINITION CARDS.		COMPASS	13795	A
COMPASS				COMPASS	13796	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA4	P1TEMPC	LOCATION FLAG	COMPASS	13823	I
COMPASS -CMP64G	MX0	-1		COMPASS	13824	I
COMPASS -CMP64G	BX0	-X0*X4		COMPASS	13825	I
COMPASS -CMP64G	IX1	X1-X0		COMPASS	13826	I
COMPASS -CMP64G	IX3	X2+X3		COMPASS	13827	I
COMPASS -CMP64G	SA2	A1+B1	LOCAL COUNT	COMPASS	13828	I
COMPASS -CMP64G	IX1	X1-X2		COMPASS	13829	I
COMPASS -CMP64G	IX3	X3-X1		COMPASS	13830	I
COMPASS -CMP64G	SX2	RELVEC		COMPASS	13831	I
COMPASS -CMP64G	IX2	X2+X0		COMPASS	13832	I
COMPASS -CMP64G	RJ	MOVE		COMPASS	13833	I
COMPASS PMAC100	SA1	P1TEMPA	TOTAL PARAMETER COUNT	CMP64G	258	A
COMPASS	SA2	A1+B1	LOCAL PARAMETER COUNT	CMP64G	259	A
COMPASS	SA3	A2+B1	LOCATION ARGUMENT, MACROE FLAGS	CMP64G	260	A
COMPASS	SA4	L.MACDEF		CMP64G	261	A
COMPASS	LX5	X1,B1	FORM SECOND WORD OF OPTAB	CMP64G	262	A
COMPASS	BX6	X5+X3	ENTRY AND SAVE IN P1TEMPB	CMP64G	263	A
COMPASS	IX7	X1-X2		CMP64G	264	A
COMPASS	LX2	25		CMP64G	265	A
COMPASS	SX0	B1		CMP64G	266	A
COMPASS	BX5	X2+X4		CMP64G	267	A
COMPASS	LX6	18		CMP64G	268	A
COMPASS	BX2	X0*X3		CMP64G	269	A
COMPASS	IX1	X7-X2	KEYWORD COUNT	CMP64G	270	A
COMPASS	BX5	X6+X5		CMP64G	271	A
COMPASS	MX4	3		CMP64G	272	A
COMPASS	SX7	B0		CMP64G	273	A
COMPASS	BX6	X4+X5		CMP64G	274	A
COMPASS	SA6	A2		CMP64G	275	A
COMPASS	LX3	59-13		CMP64G	276	A
COMPASS	SA7	A3	CLEAR IRP SWITCH (P1TEMPC)	CMP64G	277	A
COMPASS	PL	X3,PMAC120	IF NOT MACROE	CMP64G	278	A
COMPASS	LX1	18		CMP64G	279	A
COMPASS	BX6	X1+X2	KEYWORD COUNT, LOC ARG FLAG	CMP64G	280	A
COMPASS	AX1	18		CMP64G	281	A
COMPASS	SA6	A3+B1	P1TEMPD	CMP64G	282	A
COMPASS	MANAGE	MACDEF,X1		CMP64G	283	A
COMPASS	SA1	P1TEMPD	STORE KEYWORD NAMES	CMP64G	284	A
COMPASS	IX4	X2+X3		CMP64G	285	A
COMPASS	SX2	RELVEC+X1		CMP64G	286	A
COMPASS	AX1	18		CMP64G	287	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	ADDWORD	MACDEF	COMPASS	13855	I
-CMP64G					
COMPASS	PCARD	MACDEF	COMPASS	13856	I
-CMP64G					
COMPASS	SA1	P1TEMP	COMPASS	13857	I
-CMP64G					
COMPASS	SX1	1RU*100B+X1	COMPASS	13858	I
-CMP64G					
COMPASS	LX1	48	COMPASS	13859	I
-CMP64G					
COMPASS	ADDWORD	MACDEF	COMPASS	13860	I
-CMP64G					
COMPASS	PMAC140	SA1	CMP64G	299	A
		P1TEMPC			
COMPASS	NZ	X1,PMAC146	CMP64G	300	A
		IF SECOND IRP OF A PAIR			
COMPASS	PCARD	MACDEF	CMP64G	301	A
		FIRST OF A PAIR, PACK INTO MACDEF			
COMPASS	RJ	SETUP	CMP64G	302	A
COMPASS	SA1	COL+1	CMP64G	303	A
		CHECK FOR VALID ADDRESS FIELD			
COMPASS	SA1	CARD+X1	CMP64G	304	A
COMPASS	SB7	X1-77B	CMP64G	305	A
COMPASS	SA3	P1TEMPB	CMP64G	306	A
COMPASS	NZ	B7,PMAC142	CMP64G	307	I
		IF NOT A PARAMETER MARK			
-CMP109					
COMPASS	NZ	B7,PMAC190	CMP109	1	A
		IF NOT A PARAMETER MARK			
COMPASS	AX3	25	CMP64G	308	A
COMPASS	SA2	A3-B1	CMP64G	309	A
COMPASS	MX0	-6	CMP64G	310	A
COMPASS	BX4	-X0*X3	CMP64G	311	A
COMPASS	IX2	X2-X4	CMP64G	312	A
		NUMBER OF SUBSTITUTABLE PARAMETERS			
COMPASS	SA1	A1+B1	CMP64G	313	A
COMPASS	NO		CMP64G	314	A
COMPASS	IX2	X2-X1	CMP64G	315	A
COMPASS	ZR	X1,PMAC142	CMP64G	316	A
		IF PARAMETER NUMBER IS ZERO			
COMPASS	MI	X2,PMAC142	CMP64G	317	A
		OR TOO LARGE			
COMPASS	SA3	A1+B1	CMP64G	318	A
COMPASS	BX6	X1	CMP64G	319	A
COMPASS	SB7	X3-1R	CMP64G	320	A
COMPASS	NZ	B7,PMAC142	CMP64G	321	A
		IF NEXT CHARACTER IS NOT BLANK			
COMPASS	SX1	1RU*100B	CMP64G	322	A
		NO ERRORS			
COMPASS	SA6	P1TEMPC	CMP64G	323	A
		SET IRP SWITCH			
COMPASS	BX1	X1+X6	CMP64G	324	A
COMPASS	LX1	48	CMP64G	325	A
		PACK U-CARD WITH PARAMETER			
COMPASS	ADDWORD	MACDEF	CMP64G	326	A
		NUMBER IN COLUMN 1			
COMPASS	EQ	PMAC190	CMP64G	327	A
COMPASS	PMAC142	SX6	CMP64G	328	A
		B1			
COMPASS	SX7	-B1	CMP64G	329	A
		(P1TEMPC) = -1			
COMPASS	SA6	AERR	CMP64G	330	A
		SET ADDRESS ERROR			
COMPASS	SA7	P1TEMPC	CMP64G	331	A
COMPASS	SA6	EFLG	CMP64G	332	A
COMPASS	RJ	WINTER	CMP64G	333	A
		WRITE CARD AGAIN			
COMPASS	EQ	PMAC190	CMP64G	334	A
COMPASS	PMAC146	SX6	CMP64G	335	A
		B0			
COMPASS	SA6	A1	CMP64G	336	A
		SECOND IRP OF A PAIR			
		CLEAR IRP SWITCH			
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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	PMAC200	SA3	P1TEMPC						CMP64G	343	I
1	-CPS028										
2	COMPASS		SX1	1LU+0001B					CMP64G	344	I
3	-CPS028										
4	COMPASS		ZR	X3,PMAC201	IF NOT IN RANGE OF VALID IRP				CMP64G	345	I
5	-CPS028										
6	COMPASS		MI	X3,PMAC201					CMP64G	346	I
7	-CPS028										
8	COMPASS		LX1	42	PACK TERMINAL U-CARD				CMP64G	347	I
9	-CPS028										
10	COMPASS			ADDWORD	MACDEF				CMP64G	348	I
11	-CPS028										
12	COMPASS	PMAC201	SX1	1RT	PACK T-CARD				CMP64G	349	I
13	-CPS028										
14	COMPASS		LX1	54					COMPASS	13903	I
15	-CPS028										
16	COMPASS			ADDWORD	MACDEF				COMPASS	13904	I
17	-CPS028										
18	COMPASS	PMAC201	SX6	B1	SET *E* ERROR				COMPASS	13905	I
19	-CMP64G										
20	COMPASS		SA3	L.MACDEF	ADD WORD COUNT TO OPTAB ENTRY				CMP64G	350	I
21	-CPS028										
22	COMPASS		SA2	P1TEMPB					CMP64G	351	I
23	-CPS028										
24	COMPASS		SA1	P1TEMP					CMP64G	352	I
25	-CPS028										
26	COMPASS		SX4	X2					CMP64G	353	I
27	-CPS028										
28	COMPASS		IX4	X3-X4					CMP64G	354	I
29	-CPS028										
30	COMPASS		LX4	39					CMP64G	355	I
31	-CPS028										
32	COMPASS		BX2	X2+X4					CMP64G	356	I
33	-CPS028										
34	COMPASS		RJ	ENTOP	ENTER OPCODE TABLE				CMP64G	357	I
35	-CPS028										
36	COMPASS	PMAC200	SX6	B1		S028 621	CPS028	463	A		
37	COMPASS		SA6	EERR	SET *E* ERROR	S028 622	CPS028	464	A		
38	COMPASS		SA6	EFLG		S028 623	CPS028	465	A		
39	COMPASS		EQ	PMAC130	GO ENTER OPCODE TABLE	S028 624	CPS028	466	A		
40	COMPASS	PMAC202	SX6	B1	SET *E* ERROR		CMP64G	358	A		
41	COMPASS		MX7	0			CMP64G	359	A		
42	COMPASS		SA6	EFLG			COMPASS	13906	A		
43	COMPASS		SA7	TXTFLG	CLEAR TEXT FLAG		CMP64G	360	A		
44	COMPASS		SA6	EERR			COMPASS	13907	A		
45	COMPASS		RJ	CWI	CONDITIONALLY WRITE INTERMEDIATE		COMPASS	13908		I	
46	-CMP64G										
47	COMPASS		MX7	0	CLEAR TEXT FLAG		COMPASS	13909		I	
48	-CMP64G										
49	COMPASS		SA7	TXTFLG			COMPASS	13910		I	
50	-CMP64G										
51	COMPASS		EQ	PMACRO	RETURN		COMPASS	13911		I	
52											
53	0	1	2	3	4	5	6	7	8		
54	1234567890123456789012345678901234567890123456789012345678901234567890										
55											
56											
57											
58											
59											
60											



- CMP64G

14121HE

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SX6	100B+1RD			CMP30	4255	A
COMPASS	LX6	-6			CMP30	4256	A
COMPASS	SA6	BASEMIC	SET BASE AND CODE MICROS = *D*		CMP30	4257	A
COMPASS	SA6	CODEMIC			CMP30	4258	A
COMPASS	SX7	-B1			COMPASS	13937	I
-CPS010							
COMPASS	SA7	XR	SET XREF TO PAGE/LINE		COMPASS	13938	I
-CPS010							
COMPASS	SX7	XRDV	SET XREF DEFAULT VALUE		CPS010	74	A
COMPASS	SA7	XR			CPS010	75	A
COMPASS	SB7	LLISTOPS/2	SET LIST OPTIONS		COMPASS	13939	A
COMPASS	SA1	LISTOPS			COMPASS	13940	A
COMPASS	PR2	UX6	X1		COMPASS	13941	A
COMPASS	SB7	B7-B1			COMPASS	13942	A
COMPASS	SA6	A1+B1			COMPASS	13943	A
COMPASS	SA1	A6+B1			COMPASS	13944	A
COMPASS	NZ	B7,PR2	LOOP		COMPASS	13945	A
COMPASS	RJ	SVF	SAVE LIST FLAGS		COMPASS	13946	I
-CMP30							
COMPASS	RJ	CPS	CLEAR PUSH-DOWN STACKS		CMP30	4259	A
COMPASS	SX6	BUCKET			CMP042	276	A
COMPASS	SA6	MAXCORE	SET MAXCORE = BUCKET		CMP042	277	A
COMPASS	SA1	LCMSYS			CP096A	468	A
COMPASS	BX7	X1	RESET FWA OF PROGRAM MACRO TEXT		CP096A	469	A
COMPASS	SX6	X1-201B			CP096A	470	A
COMPASS	SA7	LCMPGM			CP096A	471	A
COMPASS	SA7	LCMEND			CP096A	472	A
COMPASS	+	MI	X6,*+1	IF NO SYSTEXT TABLES IN LCM	CP096A	473	A
COMPASS	SA7	ALCM	INITIALIZE LCM USED FOR THIS ASSEMBLY		CP096A	474	A
COMPASS					CP096A	475	A
COMPASS	RM	IFNE	CP#RM,7		CP096A	476	A
COMPASS	SA1	L.SYMTAB			COMPASS	13947	A
COMPASS	SX2	2*NSYMT			COMPASS	13948	A
COMPASS	IX1	X2-X1			COMPASS	13949	A
COMPASS	MANAGE	SYMTAB,X1	ALLOCATE INITIAL SYMBOL TABLE		COMPASS	13950	A
COMPASS	IX3	X2+X3	CLEAR IT		COMPASS	13951	A
COMPASS	MX1	0			COMPASS	13952	I
-CMP30							
COMPASS	RJ	PRESET			COMPASS	13953	I
-CMP30							
COMPASS	RJ	CLS			CMP30	4260	A
COMPASS	RM	ELSE			CP096A	477	A
COMPASS	SX6	X7+777B	ROUND UP TO LEAVE ROOM FOR MACROS		CP096A	478	A
COMPASS	AX6	9			CP096A	479	A
COMPASS	LX6	9			CP096A	480	A
COMPASS	SX7	2*NSYMT	SET SYMBOL TABLE POINTERS		CP096A	481	A
COMPASS	SA6	O.SYMTAB			CP096A	482	A
COMPASS	SA7	L.SYMTAB			CP096A	483	A
COMPASS	IX2	X6+X7	MAKE ROOM FOR SYMBOL TABLE		CP096A	484	A
COMPASS	IX1	X2-X1			CP096A	485	A
COMPASS	RJ	ILF	INCREASE LCM FIELD LENGTH		CP096A	486	A
COMPASS	MI	X6,ILC	IF NO ROOM IN LCM		CP096A	487	A

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS		SA2	O.SYMTAB	CLEAR INITIAL SYMBOL TABLE	CP096A	488	A	
1	COMPASS		SX3	X2+2*NSYMT		CP096A	489	A	1
2	COMPASS		RJ	CLL		CP096A	490	A	2
3	COMPASS	RM	ENDIF			CP096A	491	A	3
4	COMPASS					CP096A	492	A	4
5	COMPASS		DATE	DATE		COMPASS	13954	A	5
6	COMPASS		CLOCK	TIME		COMPASS	13955	A	6
7	COMPASS		SA1	L.SYSMIC	STORE SYSTEM MICROS	COMPASS	13956	I	7
8		-CMP30							8
9	COMPASS		JDATE	P1TEMPD		CMP30	4261	A	9
10	COMPASS		SA1	LCM0PC		CMP30	4262	A	10
11	COMPASS		ZR	X1,PRS2A	IF OPCODE TABLE NOT IN LCM	CMP30	4263	A	11
12	COMPASS		AX1	30		CMP30	4264	A	12
13	COMPASS		MANAGE	OPTAB,X1	ALLOCATE TABLE IN SCM	CMP30	4265	A	13
14	COMPASS		SA1	LCM0PC		CMP30	4266	A	14
15	COMPASS		RJ	RLC	COPY TABLE TO SCM	CMP30	4267	A	15
16	COMPASS	PRS2A	SA1	LCMMAC		CMP30	4268	I	16
17		-CPS028							17
18	COMPASS		ZR	X1,PRS2B	IF SYSTEM MACROS NOT IN LCM	CMP30	4269	I	18
19		-CPS028							19
20	COMPASS		AX1	30		CMP30	4270	I	20
21		-CPS028							21
22	COMPASS		MANAGE	MACDEF,X1	ALLOCATE TABLE IN SCM	CMP30	4271	I	22
23		-CPS028							23
24	COMPASS		SA1	LCMMAC		CMP30	4272	I	24
25		-CPS028							25
26	COMPASS		RJ	RLC	COPY TABLE TO SCM	CMP30	4273	I	26
27		-CPS028							27
28	COMPASS	PRS2B	SA1	LCMMIC		CMP30	4274	I	28
29		-CPS028							29
30	COMPASS	PRS2A	SA1	LCMMIC	S028 626 CPS028		467	A	30
31	COMPASS		ZR	X1,PRS2C	IF SYSTEM MICROS NOT IN LCM	CMP30	4275	A	31
32	COMPASS		AX1	30		CMP30	4276	A	32
33	COMPASS		MANAGE	MICTAB,X1+B1	ALLOCATE TABLE IN SCM	CMP30	4277	A	33
34	COMPASS		SA1	LCMMIC		CMP30	4278	A	34
35	COMPASS		SX2	X2+B1	ALLOW SCRATCH WORD AT START OF TABLE	CMP30	4279	A	35
36	COMPASS		SX3	X3-1		CMP30	4280	A	36
37	COMPASS		RJ	RLC	COPY TABLE TO SCM	CMP30	4281	A	37
38	COMPASS		EQ	PRS3		CMP30	4282	A	38
39	COMPASS	PRS2C	SA1	L.SYSMIC	STORE SYSTEM MICROS	CMP30	4283	A	39
40	COMPASS		MANAGE	MICTAB,X1+B1		COMPASS	13957	A	40
41	COMPASS		SX1	X3-1		COMPASS	13958	A	41
42	COMPASS		SX3	X2+B1		COMPASS	13959	A	42
43	COMPASS		SA2	O.SYSMIC		COMPASS	13960	A	43
44	COMPASS		ZR	X1,PRS3	IF TABLE EMPTY	COMPASS	13961	A	44
45	COMPASS		RJ	MOVE		COMPASS	13962	A	45
46	COMPASS	PRS3	SA1	=0RDATE	STORE DATE AND TIME MICROS	COMPASS	13963	A	46
47	COMPASS		SA4	DATE		COMPASS	13964	A	47
48	COMPASS		BX6	X1		COMPASS	13965	A	48
49	COMPASS		LX7	X4		COMPASS	13966	A	49
50	COMPASS		SA6	LOCSYM		COMPASS	13967	A	50
51	COMPASS		SA7	RELVEC+1		COMPASS	13968	I	51

[illegible]

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP18

1	COMPASS	SA7	RELVEC			CMP18	143	A	
2	COMPASS	MX7	0			COMPASS	13969	A	
3	COMPASS	SA7	A7+B1			COMPASS	13970	A	
4	COMPASS	SX6	3			COMPASS	13971	A	
5	COMPASS	RJ	EMT			COMPASS	13972	A	
6	COMPASS	SA1	=0RTIME			COMPASS	13973	A	
7	COMPASS	SA4	TIME			COMPASS	13974	A	
8	COMPASS	BX6	X1			COMPASS	13975	A	
9	COMPASS	LX7	X4			COMPASS	13976	A	
10	COMPASS	SA6	LOCSYM			COMPASS	13977	A	
11	COMPASS	SA7	RELVEC+1			COMPASS	13978		I
12	-CMP18								
13	COMPASS	SA7	RELVEC			CMP18	144	A	
14	COMPASS	SX6	3			COMPASS	13979	A	
15	COMPASS	RJ	EMT			COMPASS	13980	A	
16	COMPASS	SA4	P1TEMPD			CMP30	4284	A	
17	COMPASS	SA1	=0RJDATE			CMP30	4285	A	
18	COMPASS	SX5	5			CMP30	4286	A	
19	COMPASS	LX4	30			CMP30	4287	A	
20	COMPASS	BX6	X1			CMP30	4288	A	
21	COMPASS	IX7	X4+X5			CMP30	4289	A	
22	COMPASS	SA6	LOCSYM			CMP30	4290	A	
23	COMPASS	SA7	RELVEC			CMP30	4291	A	
24	COMPASS	SX6	B1+B1			CMP30	4292	A	
25	COMPASS	RJ	EMT			CMP30	4293	A	
26	COMPASS	SA1	=0RMODLEVEL			CMP30	4294	A	
27	COMPASS	SA2	CP.MODL			CMP30	4295	A	
28	COMPASS	BX6	X1			CMP30	4296	A	
29	COMPASS	MX0	6			CMP30	4297	A	
30	COMPASS	SA6	LOCSYM			CMP30	4298	A	
31	COMPASS	ZR	X2,PRS4	IF NO *ML* ARGUMENT, USE JDATE		CMP30	4299	A	
32	COMPASS	SX7	0			CMP30	4300	A	
33	COMPASS	+	BX3	-X0*X2	COUNT CHARACTERS	CMP30	4301	A	
34	COMPASS	SX7	X7+1			CMP30	4302	A	
35	COMPASS	AX0	6			CMP30	4303	A	
36	COMPASS	NZ	X3,*-1			CMP30	4304	A	
37	COMPASS	BX7	X2+X7			CMP30	4305	A	
38	COMPASS	SA7	RELVEC			CMP30	4306	A	
39	COMPASS	PRS4	SX6	B1+B1	DEFINE *MODLEVEL* MICRO	CMP30	4307	A	
40	COMPASS	RJ	EMT			CMP30	4308	A	
41	COMPASS	SA1	CP.PCOM			CMP30	4309	A	
42	COMPASS	SA2	A1+B1			CMP30	4310	A	
43	COMPASS	BX6	X1			CMP30	4311	A	
44	COMPASS	LX7	X2			CMP30	4312	A	
45	COMPASS	SA1	A2+B1			CMP30	4313	A	
46	COMPASS	SA2	=0RPCOMMENT			CMP30	4314	A	
47	COMPASS	SA6	RELVEC			CMP30	4315	A	
48	COMPASS	SA7	A6+B1			CMP30	4316	A	
49	COMPASS	BX6	X1			CMP30	4317	A	
50	COMPASS	LX7	X2			CMP30	4318	A	
51	COMPASS	SA6	A7+B1			CMP30	4319	A	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA7	LOCSYM		CMP30	4320	A
COMPASS	MX6	0		CMP30	4321	A
COMPASS	SA6	A6+B1		CMP30	4322	A
COMPASS	SX6	5		CMP30	4323	A
COMPASS	RJ	EMT		CMP30	4324	A
COMPASS	SA1	DATE	STORE DATE AND TIME IN PREFIX TABLE	CMP30	4325	A
COMPASS	SA2	TIME		CMP30	4326	A
COMPASS	MX0	54		CMP30	4327	A
COMPASS	LX1	6		CMP30	4328	A
COMPASS	LX2	6		CMP30	4329	A
COMPASS	BX3	X0*X1		CMP30	4330	A
COMPASS	BX4	X0*X2		CMP30	4331	A
COMPASS	IX5	X1-X3		CMP30	4332	A
COMPASS	BX6	X2-X4		CMP30	4333	A
COMPASS	BX6	X3+X6		CMP30	4334	A
COMPASS	IX7	X4+X5		CMP30	4335	A
COMPASS	SA6	DPBA+2		CMP30	4336	A
COMPASS	SA7	A6+B1		CMP30	4337	A
COMPASS	SA1	=8R'?000000	INITIALIZE INVENTED SYMBOLS	COMPASS	13981	A
COMPASS	SA2	RJY	INITIALIZE SCAN JUMP	COMPASS	13982	A
COMPASS	LX6	X2		COMPASS	13983	A
COMPASS	BX7	X1		COMPASS	13984	A
COMPASS	SA6	SCANEV		COMPASS	13985	A
COMPASS	SA7	INVENT		COMPASS	13986	A
COMPASS	SX6	COMCOL		COMPASS	13987	A
COMPASS	SA6	CCOL		COMPASS	13988	A
COMPASS	SA1	=1H		COMPASS	13989	A
COMPASS	SX7	B1	SET PASS NUMBER	COMPASS	13990	I
-CPS038						
COMPASS	SA7	PASS		COMPASS	13991	I
-CPS038						
COMPASS	SX2	TITBUF+1		COMPASS	13992	A
COMPASS	SX3	TITBUF+TITBUFL+1		COMPASS	13993	A
COMPASS	RJ	PRESET		COMPASS	13994	A
COMPASS	SX1	55B		COMPASS	13995	I
-CMP20						
COMPASS	SX1	1R	CLEAR STRING BUFFER	CMP20	381	A
COMPASS	SX2	CARD		COMPASS	13996	A
COMPASS	SX3	SEQ		COMPASS	13997	A
COMPASS	RJ	PRESET		COMPASS	13998	A
COMPASS	SX1	0		COMPASS	13999	I
-CMP30						
COMPASS	SX2	SEQ		COMPASS	14000	A
COMPASS	SX3	SEQ+2*NCARDS		COMPASS	14001	A
COMPASS	RJ	PRESET		COMPASS	14002	I
-CMP30						
COMPASS	RJ	CLS		CMP30	4338	A
COMPASS	RJ	RCD	RESTORE CHARACTER DATA	CPS011	73	A
COMPASS	EQ	PRS	RETURN	COMPASS	14003	A
COMPASS	PTC	SPACE	4	COMPASS	14004	I
-CMP24						
COMPASS	**	PTC	- PACK TEXT CARD.	COMPASS	14005	I

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-CMP24

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP24

COMPASS	EQ	PTC	RETURN	COMPASS	14032	I
COMPASS	-CMP24					
COMPASS	PG0	SPACE	4	CMP6	34	A
COMPASS	**	PG0	- PURGE OPCODE ENTRY.	CMP6	35	A
COMPASS	*	ENTRY	(X1) = ENTRY NAME.	CMP6	36	A
COMPASS				CMP6	37	A
COMPASS				CMP6	38	A
COMPASS	PG02	MX7	0	CMP6	39	A
COMPASS		SA7	OERR	CMP6	40	A
COMPASS				CMP6	41	A
COMPASS	PG0	PS	RETURN EXIT	CMP6	42	A
COMPASS		ZR	X1,PG0	CMP6	43	A
COMPASS		RJ	TLUOP	CMP6	44	A
COMPASS		ZR	X6,PG02	CMP6	45	A
COMPASS		SA1	A2-B1	CMP6	46	A
COMPASS		MX0	12	CMP6	47	A
COMPASS		SA5	0.OPTAB	CMP6	48	A
COMPASS		BX4	X0*X1	CMP6	49	A
COMPASS		ZR	X4,PG01	CMP6	50	A
COMPASS		LX4	13	CMP6	51	A
COMPASS		IX5	X5+X4	CMP6	52	A
COMPASS		SX4	X5+2*NOPCT-2	CMP6	53	A
COMPASS		SA3	X4	CMP6	54	A
COMPASS		SA4	A3+B1	CMP6	55	A
COMPASS		SA6	A4	CMP6	56	A
COMPASS		BX7	X1	CMP6	57	A
COMPASS		SA7	A3	CMP6	58	A
COMPASS		BX6	X3	CMP6	59	A
COMPASS		LX7	X4	CMP6	60	A
COMPASS		SA6	A1	CMP6	61	A
COMPASS		SA7	A2	CMP6	62	A
COMPASS		EQ	PG02	CMP6	63	A
COMPASS	PG01	SX6	A1	CMP6	64	A
COMPASS		IX6	X6-X5	CMP6	65	A
COMPASS		SA6	P1TEMPA	CMP6	66	A
COMPASS		MANAGE	OPTAB,2	CMP6	67	A
COMPASS		SA1	P1TEMPA	CMP6	68	A
COMPASS		IX1	X2+X1	CMP6	69	A
COMPASS		IX5	X2+X3	CMP6	70	A
COMPASS		SA1	X1	CMP6	71	A
COMPASS		SA2	A1+B1	CMP6	72	A
COMPASS		MX6	0	CMP6	73	A
COMPASS		SA6	A1	CMP6	74	A
COMPASS		SA6	A2	CMP6	75	A
COMPASS		BX6	X1	CMP6	76	A
COMPASS		LX7	X2	CMP6	77	A
COMPASS		SA6	X5-2	CMP6	78	A
COMPASS		SA7	A6+B1	CMP6	79	A
COMPASS		EQ	PG02	CMP6	80	A
COMPASS	PUSHDOWN	SPACE	4	COMPASS	14033	A
COMPASS	**	PUSHDOWN	- PUSH DOWN RECURSION STACK.	COMPASS	14034	A
0	1	2	3	4	5	6
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	*	ENTRY	(X1) = BYTE POINTER.	COMPASS	14035	A	
COMPASS	*		(X2) = TYPE OF STACK ENTRY.	COMPASS	14036	A	
COMPASS	*		(X3) = DUPCOUNT, LASTAB, OR RASTAB.	COMPASS	14037		I
	-CPS004						
COMPASS	*		(X3) = MARGS / RASTAB / LASTAB RESET PTR, OR DUP COUNT.	S004	66	CPS004	43
COMPASS	*		(X4) = NAME.	COMPASS	14038	A	
COMPASS	*		(X5) = DUPTAB RESET QUANTITY.	COMPASS	14039		I
	-CPS004						
COMPASS	*		(X5) = MARDIS OR DUPTAB RESET POINTER.	S004	68	CPS004	44
COMPASS	*	EXIT	TO CTL100 WITH STACK, TEXT TABLES, AND TXTFLG	S004	69	CPS004	45
COMPASS	*		CLEARED, IF RECURSION LIMIT EXCEEDED.	S004	70	CPS004	46
COMPASS						COMPASS	14040
COMPASS						COMPASS	14041
COMPASS	PUSHDOWN	PS	RETURN EXIT			COMPASS	14042
COMPASS		BX6	X1			COMPASS	14043
COMPASS		LX7	X2			COMPASS	14044
COMPASS		SA6	PUSHDT			COMPASS	14045
COMPASS		SA7	A6+B1			COMPASS	14046
COMPASS		BX6	X3			COMPASS	14047
COMPASS		LX7	X4			COMPASS	14048
COMPASS		SA6	A7+B1			COMPASS	14049
COMPASS		SA7	A6+B1			COMPASS	14050
COMPASS		BX6	X5			COMPASS	14051
COMPASS		SA6	A7+B1			COMPASS	14052
COMPASS		SA1	L.STACK	S004	72	CPS004	47
COMPASS		SB7	X1-4*"LIMRECUR"	S004	73	CPS004	48
COMPASS		PL	B7,PUD3	S004	74	CPS004	49
COMPASS		MANAGE	STACK,4			COMPASS	14053
COMPASS		SB7	X3-4			COMPASS	14054
	-CMP24						I
COMPASS		SX1	X3			CMP24	157
COMPASS		SB3	X3-4			CMP24	158
COMPASS		AX1	2			CMP24	159
COMPASS		RJ	CONDEC			CMP24	160
COMPASS		SA3	PUSHDT			COMPASS	14055
COMPASS		BX7	X3			COMPASS	14056
	-CMP24						I
COMPASS		SB2	-B2			CMP24	161
COMPASS		SX4	1R.-1R			CMP24	162
COMPASS		SA2	0.STACK			CMP24	163
COMPASS		AX4	X4,B2			CMP24	164
COMPASS		SB2	54+B2			CMP24	165
COMPASS		MX7	42			CMP24	166
COMPASS		IX6	X6+X4			CMP24	167
COMPASS		LX6	X6,B2			CMP24	168
COMPASS		BX7	X7*X6			CMP24	169
COMPASS		BX7	X7+X3			CMP24	170
	-CPS004						I
COMPASS		MX6	0			COMPASS	14057
	-CPS004						I
COMPASS		SA7	B7+X2			COMPASS	14058
	-CMP24						I
	0	1	2	3	4	5	6
	123456789012345678901234567890123456789012345678901234567890						



## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA7	B3+X2	STORE FIRST WORD OF STACK ENTRY	CMP24	171	I
-CPS004						
COMPASS	BX6	X7+X3	S004 77	CPS004	50	A
COMPASS	SA6	X2+B3	S004 78	CPS004	51	A
COMPASS	SB6	LFLG-1		COMPASS	14059	A
COMPASS	SA5	SYSFLG		COMPASS	14060	A
COMPASS	MX6	0	S004 80	CPS004	52	A
COMPASS	PUSHDN1	LX6		COMPASS	14061	A
COMPASS		BX6		COMPASS	14062	A
COMPASS		SA5		COMPASS	14063	A
COMPASS		SB6		COMPASS	14064	A
COMPASS		PL		COMPASS	14065	A
COMPASS		LX6		COMPASS	14066	A
COMPASS		SA3	STACK ENTRY TYPE	S004 82	CPS004	53
COMPASS		SA5		COMPASS	14067	A
COMPASS		SA4		COMPASS	14068	A
COMPASS		BX6		COMPASS	14069	I
-CPS004						
COMPASS	SB7	X3	S004 84	CPS004	54	A
COMPASS	NE	B7,B1,PUD4	S004 85	CPS004	55	A
COMPASS	SA5	A3+B1	S004 86	CPS004	56	A
COMPASS	SA4	PUSHDT+4	S004 87	CPS004	57	A
COMPASS	MX7	0	S004 88	CPS004	58	A
COMPASS	SA7	A5	S004 89	CPS004	59	A
COMPASS	SA7	A4	S004 90	CPS004	60	A
COMPASS	PUD4	BX6	S004 91	CPS004	61	A
COMPASS		LX6		COMPASS	14070	A
COMPASS		BX6		COMPASS	14071	A
COMPASS		SA3		COMPASS	14072	I
-CPS004						
COMPASS	LX3	56		COMPASS	14073	A
COMPASS	BX6	X6+X3		COMPASS	14074	A
COMPASS	SA6	A7+B1	STORE SECOND WORD	COMPASS	14075	I
-CPS004						
COMPASS	SA6	A6+B1	STORE SECOND WORD	S004 94	CPS004	62
COMPASS	SA4	A3+B1	RECLAIM DUP COUNT	COMPASS	14076	A
COMPASS	SA3	A4+B1	RECLAIM NEST NAME	COMPASS	14077	A
COMPASS	SA5	A3+B1	RECLAIM DUP RESET QUANTITY	COMPASS	14078	A
COMPASS	LX4	18		COMPASS	14079	A
COMPASS	IX6	X5+X4		COMPASS	14080	A
COMPASS	SA6	A6+B1	STORE DUP CONTROL	COMPASS	14081	A
COMPASS	SA2	AMODE		COMPASS	14082	I
-CMP24						
COMPASS	MX0	18		COMPASS	14083	I
-CMP24						
COMPASS	SX1	1R		COMPASS	14084	A
COMPASS	SB6	12		COMPASS	14085	I
-CMP24						
COMPASS	BX7	-X0*X3		COMPASS	14086	I
-CMP24						
COMPASS	NZ	X2,PUD2	IF A-MODE	COMPASS	14087	I
-CMP24						
0	1	2	3	4	5	6
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS		MX0	12			COMPASS	14088	A	
COMPASS		SB6	-6			COMPASS	14089		I
	-CMP24								
COMPASS		BX7	-X0*X3			COMPASS	14090	A	
COMPASS	PUD2	LX7	6	POSITION AND FILL NAME		COMPASS	14091	A	
COMPASS		BX3	X0*X7			COMPASS	14092	A	
COMPASS		NZ	X3,*+2	IF FILLED		COMPASS	14093		I
	-CMP24								
COMPASS	+	BX7	X7+X1			COMPASS	14094		I
	-CMP24								
COMPASS		LX7	6			COMPASS	14095		I
	-CMP24								
COMPASS		BX3	X0*X7			COMPASS	14096		I
	-CMP24								
COMPASS	+	ZR	X3,*-1			COMPASS	14097		I
	-CMP24								
COMPASS		LX7	X7,B6	ADJUST NAME		COMPASS	14098		I
	-CMP24								
COMPASS		IX7	X7+X1			CMP24	172	A	
COMPASS		ZR	X3,PUD2			CMP24	173	A	
COMPASS		AX7	6			CMP24	174	A	
COMPASS		SA7	A6+B1	STORE NEST NAME		COMPASS	14099	A	
COMPASS		EQ	PUSHDOWN	AND QUIT		COMPASS	14100	A	
COMPASS					S004 96	CPS004	63	A	
COMPASS	*			RECURSION LIMIT EXCEEDED.	S004 97	CPS004	64	A	
COMPASS					S004 98	CPS004	65	A	
COMPASS	PUD3	RJ	ASU	ACCUMULATE STORAGE USED	S004 99	CPS004	66	A	
COMPASS		MX6	0		S004 100	CPS004	67	A	
COMPASS		SX7	B0		S004 101	CPS004	68	A	
COMPASS		SA6	L.STACK	CLEAR ALL SOURCE PUSHDOWN TABLES	S004 102	CPS004	69	A	
COMPASS		SA7	L.MARDIS		S004 103	CPS004	70	A	
COMPASS		SA6	L.MARGS		S004 104	CPS004	71	A	
COMPASS		SA7	L.DUPTAB		S004 105	CPS004	72	A	
COMPASS		SA6	L.RASTAB		S004 106	CPS004	73	A	
COMPASS		SA7	L.LASTAB		S004 107	CPS004	74	A	
COMPASS		SA6	L.ECHTAB		S004 108	CPS004	75	A	
COMPASS		SA7	TXTFLG	CLEAR TEXT FLAG	S004 109	CPS004	76	A	
COMPASS		JP	CTL100	GO READ NEXT SOURCE CARD	S004 110	CPS004	77	A	
COMPASS						COMPASS	14101	A	
COMPASS	PUSHDT	BSS	5	TEMPORARY STORAGE		COMPASS	14102	A	
COMPASS	PUSHUP	SPACE	4			COMPASS	14103	A	
COMPASS	**	PUSHUP	-	PUSH UP RECURSION STACK.		COMPASS	14104	A	
COMPASS						COMPASS	14105	A	
COMPASS						COMPASS	14106	A	
COMPASS	PUSHUP	PS		RETURN EXIT		COMPASS	14107	A	
COMPASS		RJ	ASU	ACCUMULATE STORAGE USED		CMP042	278	A	
COMPASS		SA5	L.STACK			COMPASS	14108	A	
COMPASS		SA2	O.STACK			COMPASS	14109	A	
COMPASS		SX6	X5-4			COMPASS	14110	A	
COMPASS		IX3	X6+X2			COMPASS	14111	A	
COMPASS		SA2	X3+B1			COMPASS	14112	A	
COMPASS		MX0	59			COMPASS	14113	A	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA6	A5	RESET STACK SIZE	COMPASS	14114	A
COMPASS	AX2	36		COMPASS	14115	A
COMPASS	SB7	LFLG-1		COMPASS	14116	A
COMPASS	PUSHUP1	BX6	-X0*X2	COMPASS	14117	A
COMPASS	SA6	SYSFLG+B7	STORE MODE FLAGS	COMPASS	14118	A
COMPASS	SB7	B7-B1		COMPASS	14119	A
COMPASS	AX2	1		COMPASS	14120	A
COMPASS	PL	B7,PUSHUP1		COMPASS	14121	A
COMPASS	AX2	20-LFLG		COMPASS	14122	A
COMPASS	SB7	X2		COMPASS	14123	A
COMPASS	JP	*+B7		COMPASS	14124	A
COMPASS				COMPASS	14125	A
COMPASS	+	EQ	PUSHUP2	COMPASS	14126	A
COMPASS	+	EQ	PUSHUP3	COMPASS	14127	A
COMPASS	+	EQ	PUSHUP4	COMPASS	14128	A
COMPASS	+	EQ	PUSHUP5	COMPASS	14129	A
COMPASS	+	SA3	A2+1	COMPASS	14130	A
COMPASS		AX3	18	COMPASS	14131	A
COMPASS		SX6	X3	COMPASS	14132	A
COMPASS		SA6	L.ECHTAB	COMPASS	14133	A
COMPASS	PUSHUP2	SA2	A2	COMPASS	14134	A
COMPASS		SX6	X2	COMPASS	14135	A
COMPASS		AX2	18	COMPASS	14136	A
COMPASS		SX7	X2	COMPASS	14137	A
COMPASS		SA6	L.MARDIS	COMPASS	14138	A
COMPASS		SA7	L.MARGS	COMPASS	14139	A
COMPASS		NE	B7,B1,PUSHUP	IF NOT A MACRO	S028 628	CPS028 468
COMPASS		SA3	X3		S028 629	CPS028 469
COMPASS		SA2	L.MACDEF		S028 630	CPS028 470
COMPASS		SA1	O.MACDEF		S028 631	CPS028 471
COMPASS		SB6	X3		S028 632	CPS028 472
COMPASS		SB7	X2		S028 633	CPS028 473
COMPASS		NE	B6,B7,PUSHUP	IF NOT AT END OF MACDEF TABLE	S028 634	CPS028 474
COMPASS		SB7	B7-B1		S028 635	CPS028 475
COMPASS		SA3	X1+B7		S028 636	CPS028 476
COMPASS		AX3	12	EXTRACT TEXT WORD COUNT FROM	S028 637	CPS028 477
COMPASS		SX1	X3	BITS 29-12 OF T-CARD WORD	S028 638	CPS028 478
COMPASS		IX6	X2-X1		S028 639	CPS028 479
COMPASS		SA6	A2	DELETE TEXT FROM MACDEF TABLE	S028 640	CPS028 480
COMPASS		EQ	PUSHUP		COMPASS	14140
COMPASS	PUSHUP3	SA2	A2+1		COMPASS	14141
COMPASS		SX6	X2		COMPASS	14142
COMPASS		SA6	L.DUPTAB		COMPASS	14143
COMPASS		EQ	PUSHUP		COMPASS	14144
COMPASS	PUSHUP4	SA2	A2+1		COMPASS	14145
COMPASS		AX2	18		COMPASS	14146
COMPASS		SX6	X2		COMPASS	14147
COMPASS		SA6	L.RASTAB		COMPASS	14148
COMPASS		EQ	PUSHUP		COMPASS	14149
COMPASS	PUSHUP5	SA2	A2+B1		COMPASS	14150
COMPASS		AX2	18		COMPASS	14151
COMPASS		SX6	X2		COMPASS	14152

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA6	L.LASTAB	COMPASS	14153	A
COMPASS	SA2	XLEV	DECREASE NESTING LEVEL	P036 60 CMP036	37 A
COMPASS	SX6	X2-1		P036 61 CMP036	38 A
COMPASS	NZ	X6,*+1		P036 62 CMP036	39 A
COMPASS	SA6	LIBFLG	CLEAR XTEXT FLAG	P036 63 CMP036	40 A
COMPASS	SA6	A2		P036 64 CMP036	41 A
COMPASS	EQ	PUSHUP		COMPASS	14154 A
COMPASS	RCD	SPACE 4,8		CPS011	74 A
COMPASS	**	RCD - RESTORE CHARACTER DATA.		CPS011	75 A
COMPASS				CPS011	76 A
COMPASS				CPS011	77 A
COMPASS	RCD	PS	RETURN EXIT	CPS011	78 A
COMPASS	SB7	64	RESET CODE OTHER	CPS011	79 A
COMPASS	SA1	STCA		CPS011	80 A
COMPASS	MX0	-6		CPS011	81 A
COMPASS	MX3	-6		CPS011	82 I
COMPASS	-CPSA281				
COMPASS	LX3	24		CPS011	83 I
COMPASS	-F4820				
COMPASS	LX3	48		F4820	733 I
COMPASS	-CPSA281				
COMPASS	MX3	-8		CPSA281	303 A
COMPASS	LX3	36		CPSA281	304 A
COMPASS	RCD1	BX2	-X0*X1	CPS011	84 A
COMPASS	BX6	X3*X1		CPS011	85 A
COMPASS	SA1	A1+B1		CPS011	86 A
COMPASS	LX2	24		CPS011	87 I
COMPASS	-F4820				
COMPASS	LX2	48		F4820	734 I
COMPASS	-CPSA281				
COMPASS	LX2	36		CPSA281	305 A
COMPASS	BX6	X6+X2		CPS011	88 A
COMPASS	SB7	B7-1		CPS011	89 A
COMPASS	SA6	A1-B1		CPS011	90 A
COMPASS	NZ	B7,RCD1	LOOP	CPS011	91 A
COMPASS	JP	RCD	RETURN	CPS011	92 A
COMPASS				CPSA227	18 A
COMPASS	RM	IFEQ	CP#RM,0	CPSA227	19 A
COMPASS				CPSA227	20 A
COMPASS	RIV	SPACE 4,10		F4830CP	58 A
COMPASS	**	RIV - REDEFINE INSTRUCTIONS FOR MACHINE 8.		F4830CP	59 A
COMPASS				F4830CP	60 A
COMPASS				F4830CP	61 A
COMPASS	RIV	PS	0 ENTRY/EXIT	F4830CP	62 A
COMPASS	RJ	MTD	MOVE TABLES DOWN	F4830CP	63 A
COMPASS	SA1	=0LAIDTEXT	SET UP *LDV* PARAMETER LIST	F4830CP	64 A
COMPASS	BX6	X1		F4830CP	65 A
COMPASS	SA6	RIVA	42/NAME,18/0	F4830CP	66 A
COMPASS	RIV1A	SA1	0.ENDTAB	F4830CP	67 A
COMPASS	SA2	0.MEMORY		F4830CP	68 A
COMPASS	LX1	18		F4830CP	69 A
COMPASS	SX5	0101014B		F4830CP	70 A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	LX5	39		F4830CP	71	A
COMPASS	BX6	X1+X5		F4830CP	72	A
COMPASS	BX6	X6+X2		F4830CP	73	A
COMPASS	SA6	A6+B1	6/L1,6/L2,2/N,3/0,1/U,1/V,5/0,18/LWA,18/FWA	F4830CP	74	A
COMPASS	SX6	B0		F4830CP	75	A
COMPASS	SA6	RA.LDR		F4830CP	76	A
COMPASS	LOADREQ	RIVA		CPSA259	5	A
COMPASS				CPSA259	6	A
COMPASS	RIV2	RECALL		CPSA259	7	A
COMPASS	SA4	RA.LDR		CPSA259	8	A
COMPASS	ZR	X4,RIV2		CPSA259	9	A
COMPASS				CPSA259	10	A
COMPASS	LOADREQ	RIVA		F4830CP	77	I
-CPSA227						
COMPASS				F4830CP	78	I
-CPSA227						
COMPASS	RM	IFNE	CP#RM,7	F4830CP	79	I
-CPSA227						
COMPASS	RIV2	RECALL		F4830CP	80	I
-CPSA227						
COMPASS	SA4	RA.LDR		F4830CP	81	I
-CPSA227						
COMPASS	ZR	X4,RIV2		F4830CP	82	I
-CPSA227						
COMPASS	RM	ENDIF		F4830CP	83	I
-CPSA227						
COMPASS				F4830CP	84	I
-CPSA227						
COMPASS	SA1	RIVA		F4830CP	85	A
COMPASS	SX6	X1-9		F4830CP	86	A
COMPASS	NZ	X6,RIV2A	IF LOADED, CONTINUE	F4830CP	87	A
COMPASS	SX1	0	ELSE ATTEMPT TO GET MORE FL	F4830CP	88	A
COMPASS	RJ	RFL		F4830CP	89	A
COMPASS	ZR	X3,ALC17	IF ALREADY AT MAX. FL. ABORT	F4830CP	90	A
COMPASS	EQ	RIV1A	ELSE TRY AGAIN	F4830CP	91	A
COMPASS				F4830CP	92	A
COMPASS	RIV2A	SA1	0.MEMORY	F4830CP	93	A
COMPASS		SA2	L.MEMORY	F4830CP	94	A
COMPASS		SA3	X1+B1	F4830CP	95	A
COMPASS		SX3	X3+2	F4830CP	96	A
COMPASS		IX6	X1+X3	F4830CP	97	A
COMPASS		IX7	X2-X3	F4830CP	98	A
COMPASS		SA3	X6	F4830CP	99	A
COMPASS		SX3	X3+1	F4830CP	100	A
COMPASS		IX6	X6+X3	F4830CP	101	A
COMPASS		IX7	X7-X3	F4830CP	102	A
COMPASS		SA6	A1	F4830CP	103	A
COMPASS		SA7	A2	F4830CP	104	A
COMPASS		SA1	X6	F4830CP	105	A
COMPASS		SX2	X1+B1	F4830CP	106	A
COMPASS		SX3	A1	F4830CP	107	A
COMPASS		IX3	X2+X3	F4830CP	108	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS		SA2	X3	OPCODES LENGTH	F4830CP	109	A
1	COMPASS		IX6	X1+X2		F4830CP	110	A
2	COMPASS		SX6	X6+2		F4830CP	111	A
3	COMPASS		SA6	L.MEMORY	REMAINING LENGTH	F4830CP	112	A
4	COMPASS		ZR	X1,RIV3	IF NO MACROS	F4830CP	113	A
5	COMPASS		SA2	L.MACDEF		F4830CP	114	A
6	COMPASS		BX7	X2		F4830CP	115	A
7	COMPASS		SA7	RIVB	SAVE MACDEF INDEX	F4830CP	116	A
8	COMPASS		MANAGE	MACDEF,X1		F4830CP	117	A
9	COMPASS		SA4	O.MEMORY		F4830CP	118	A
10	COMPASS		SA1	X4	(X1) = WORD COUNT OF MACDEF	F4830CP	119	A
11	COMPASS		SX2	X4+B1	(X2) = FWA OF MACROS	F4830CP	120	A
12	COMPASS		SA3	O.MACDEF		F4830CP	121	A
13	COMPASS		SA4	RIVB	MACDEF INDEX	F4830CP	122	A
14	COMPASS		IX3	X3+X4	(X3) = DESTINATION ADDRESS	F4830CP	123	A
15	COMPASS		RJ	MOVE	MOVE TEXT INTO MACDEF	F4830CP	124	A
16	COMPASS	RIV3	SA4	O.MEMORY		F4830CP	125	A
17	COMPASS		SA5	L.MEMORY		F4830CP	126	A
18	COMPASS		SA3	X4		F4830CP	127	A
19	COMPASS		SX3	X3+2	MACDEF LENGTH + 1	F4830CP	128	A
20	COMPASS		IX7	X4+X3		F4830CP	129	A
21	COMPASS		IX6	X5-X3		F4830CP	130	A
22	COMPASS		SA7	A4		F4830CP	131	A
23	COMPASS		SA6	A5		F4830CP	132	A
24	COMPASS		SA1	X7-1	OPCODE LENGTH	F4830CP	133	A
25	COMPASS		ZR	X1,RIV7	IF NO OPCODES	F4830CP	134	A
26	COMPASS	RIV4	SA1	X7	GET OPCODE ENTRY	F4830CP	135	A
27	COMPASS		SA2	A1+B1		F4830CP	136	A
28	COMPASS		MX7	3		F4830CP	137	A
29	COMPASS		BX3	X2*X7	EXTRACT OPCODE TYPE	F4830CP	138	A
30	COMPASS		LX3	3		F4830CP	139	A
31	COMPASS		SX3	X3-6		F4830CP	140	A
32	COMPASS		SA4	RIVB	MACDEF INDEX	F4830CP	141	A
33	COMPASS		ZR	X3,RIV5	IF MACRO	F4830CP	142	A
34	COMPASS		MX4	0		F4830CP	143	A
35	COMPASS		SX7	B1		F4830CP	144	A
36	COMPASS		LX7	47-0		F4830CP	145	A
37	COMPASS	RIV5	BX2	X2+X7	ADD PROGRAM DEFINED FLAG	F4830CP	146	A
38	COMPASS		IX2	X2+X4	ADD MACDEF INDEX IF PRESENT	F4830CP	147	A
39	COMPASS		RJ	ENTOP	ENTER INTO OPCODE TABLE	F4830CP	148	A
40	COMPASS		SA4	O.MEMORY		F4830CP	149	A
41	COMPASS		SA5	L.MEMORY		F4830CP	150	A
42	COMPASS		SX7	X4+2		F4830CP	151	A
43	COMPASS		SX6	X5-2		F4830CP	152	A
44	COMPASS		SA7	A4		F4830CP	153	A
45	COMPASS		SA6	A5		F4830CP	154	A
46	COMPASS		NZ	X6,RIV4	IF MORE OPCODES	F4830CP	155	A
47	COMPASS	RIV7	MX6	0		F4830CP	156	A
48	COMPASS		SA6	L.MEMORY		F4830CP	157	A
49	COMPASS		EQ	RIV	RETURN	F4830CP	158	A
50	COMPASS					F4830CP	159	A
51	COMPASS	RIVA	DATA	0	*LDV* PARAMETER LIST	F4830CP	160	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	*	ENTRY	(X2) = FET/FIT ADDRESS.	CMP30	4339	A	
COMPASS	*		(A0) = FWA OF CARD BUFFER.	COMPASS	14180	A	
COMPASS	*	EXIT	(X2) = FET ADDRESS.	COMPASS	14181		I
	-CMP24						
COMPASS	*	A0, X0, A5, X5	ARE PRESERVED.	COMPASS	14182		I
	-CMP24						
COMPASS	*	EXIT	(X0) = FWA OF CARD IMAGE.	CMP24	175	A	
COMPASS	*	A0, A5, X2, X5	ARE PRESERVED.	CMP24	176		I
	-CMP30						
COMPASS	*		(X2) = FET/FIT ADDRESS.	CMP30	4340	A	
COMPASS	*		(A0) = FWA OF CARD BUFFER.	CMP30	4341	A	
COMPASS				COMPASS	14183	A	
COMPASS				COMPASS	14184	A	
COMPASS		SEG	PASS 1 SUBROUTINES (Q-Z).	CMP30	4342	A	
COMPASS				CMP30	4343	A	
COMPASS	RM	IFEQ	CP#RM,0	CMP30	4344	A	
COMPASS				CMP30	4345	A	
COMPASS	RNC	PS	RETURN EXIT	COMPASS	14185		I
	-CMP24						
COMPASS		READW	X2,A0,1	COMPASS	14186		I
	-CMP24						
COMPASS		NZ	X1,RNC1 IF EOR	COMPASS	14187		I
	-CMP24						
COMPASS		-CMP4					
COMPASS		READC	X2,A0+B1,10	COMPASS	14188		I
	-CMP24						
COMPASS		BX6	X1 SET EOR FLAG	CMP4	3		I
	-CMP24						
COMPASS		SA6	EOFINP	CMP4	4		I
	-CMP24						
COMPASS	RNC1	SX0	A0 READ NORMAL CARD (AMODE = 0)	CMP24	177	A	
COMPASS		READC	X2,A0,10	CMP24	178		I
	-CPS146						
COMPASS		READC	X2,A0,16	CPS146	5	A	
COMPASS				CMP30	4346	A	
COMPASS	RNCX	BX6	X1	CMP24	179	A	
COMPASS		SA6	EOFINP	CMP24	180	A	
COMPASS		ZR	X1,RNC IF NOT EOR	COMPASS	14189	A	
COMPASS		SA3	INPRES IF NO INPUT, LEAVE	CPSA141	13	A	
COMPASS		ZR	X3,RNC	CPSA141	14	A	
COMPASS				CMP30	4347		I
	-CPSA115						
COMPASS		BX6	X0 ENSURE THAT *END* IS IN OPTAB	CPSA115	6	A	
COMPASS		SA6	RNCA SAVE CONTENTS OF X0	CPSA115	7	A	
COMPASS		SX6	A0	CPSA115	8	A	
COMPASS		SA6	A6+B1 SAVE CONTENTS OF A0	CPSA115	9	A	
COMPASS		BX6	X2	CPSA115	10	A	
COMPASS		SA6	A6+B1 SAVE CONTENTS OF X2	CPSA115	11	A	
COMPASS		SX1	3REND NOT DESTROYED BY TLUOP	CPSA115	12	A	
COMPASS		RJ	TLUOP SCAN OPTAB	CPSA115	13	A	
COMPASS		NZ	X6,RNCX1 IF END IS IN OPTAB	CPSA115	14	A	
COMPASS		SA2	ENDLOST ELSE	CPSA115	15	A	
COMPASS		RJ	ENTOP MAKE ENTRY (X1)=END, (X2)=EQUIVALENT	CPSA115	16	A	

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## 1412THE

7

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA3	A0+B1			CMP24	199	A	
COMPASS	MX6	0			CMP24	200	A	
COMPASS	SX0	A0+2			CMP24	201	A	
COMPASS	NZ	X1,RNCX	IF EOR		CMP24	202	A	
COMPASS	SB7	X3			CMP24	203	A	
COMPASS	SA6	X0+B7			CMP24	204	A	
COMPASS	READW	X2,X0,B7	READ CARD IMAGE		CMP24	205	A	
COMPASS	EQ	RNCX			CMP24	206	A	
COMPASS					CMP24	207	A	
COMPASS	*	AMODE = +1, READ MODIFY COMPRESSED TEXT.			CMP24	208		I
	-CMP30							
COMPASS	*	CP.IFORM = +1, READ MODIFY COMPRESSED TEXT.			CMP30	4351		I
	-CP114							
COMPASS	*	CP.IFORM = +1 OR +3, READ MODIFY COMPRESSED TEXT.			CP114	45	A	
COMPASS					CMP24	209	A	
COMPASS	RNC4	READW	X2,A0+B1,1	GET SEQUENCE FIELD	CMP24	210	A	
COMPASS		SX0	A0+2		CMP24	211	A	
COMPASS		NZ	X1,RNCX	IF EOR	CMP24	212	A	
COMPASS		READC	X2,X0,8	READ CARD IMAGE	CMP24	213		I
	-CP114							
COMPASS		READC	X2,X0,12	READ CARD IMAGE	CP114	46	A	
COMPASS		EQ	RNCX		CMP24	214	A	
COMPASS					CMP24	215	A	
COMPASS	*	AMODE = -1, READ UPDATE COMMON DECK.			CMP24	216		I
	-CMP30							
COMPASS	*	CP.IFORM = -1, READ UPDATE COMMON DECK.			CMP30	4352	A	
COMPASS					CMP24	217	A	
COMPASS	RNC5	READW	X2,A0,1	READ FIRST CHB WORD	CMP24	218	A	
COMPASS		SA3	A0		CMP24	219	A	
COMPASS		SX0	A0+2		CMP24	220	A	
COMPASS		NZ	X1,RNCX	IF EOR	CMP24	221	A	
COMPASS		MI	X3,RNC5B	IF LAST CHB WORD	CMP24	222	A	
COMPASS	RNC5A	READW	X2,A0+B1,1	READ NEXT CHB WORD	CMP24	223	A	
COMPASS		SA3	A0+B1		CMP24	224	A	
COMPASS		NZ	X1,RNCX	IF EOR	CMP24	225	A	
COMPASS		PL	X3,RNC5A	IF NOT LAST CHB WORD	CMP24	226	A	
COMPASS		SA3	A0		CMP24	227	A	
COMPASS	RNC5B	AX3	36		CMP24	228	A	
COMPASS		SX6	B0		CMP24	229	A	
COMPASS		SB7	X3	WORD COUNT	CMP24	230	A	
COMPASS		SA6	X0+B7		CMP24	231	A	
COMPASS		READW	X2,X0,B7	READ CARD IMAGE	CMP24	232	A	
COMPASS		SA3	A0		CMP24	233	A	
COMPASS		NZ	X1,RNCX	IF EOR	CMP24	234		I
	-CMP041							
COMPASS		LX3	59-58		CMP24	235	A	
COMPASS		MI	X3,RNCX	IF CARD IS ACTIVE	CMP24	236	A	
COMPASS		ZR	X1,RNC5	IF NOT EOR	CMP24	237	A	
COMPASS		EQ	RNCX		CMP24	238	A	
COMPASS					CMP24	239	A	
COMPASS	*	AMODE = -2, READ MODIFY COMMON DECK.			CMP24	240		I
	-CMP30							
	0	1	2	3	4	5	6	7
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\* CP.IFORM = -2, READ MODIFY COMMON DECK.

0	1	2	3	4	5	6	7	8
12345678901	23456789012	34567890123	45678901234	56789012345	67890123456	78901234567	89012345678	90123456789

## 14121HE

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- CPSA115

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- CPS028

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## 1412THE

9



## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

1	COMPASS	-CPSA115	NZ	X6,RNCX	IF END OF DATA	CMP30	4510	I	1
2	COMPASS	-CPSA115	BX6	-X5*X3		CMP30	4511	I	2
3		-CPSA115							3
4	COMPASS	-CPSA115	ZR	X6,RNC6B	IF LAST MHB WORD	CMP30	4512	I	4
5		-CPSA115							5
6	COMPASS	-CPSA115	GETP	X2,X1,10	GET NEXT MHB WORD	CMP30	4513	I	6
7		-CPSA115							7
8	COMPASS	-CPSA115	SA5	T6RM1		CMP30	4514	I	8
9		-CPSA115							9
10	COMPASS	-CPSA115	SX2	A0		CMP30	4515	I	10
11		-CPSA115							11
12	COMPASS	-CPSA115	SA3	X5+B1		CMP30	4516	I	12
13		-CPSA115							13
14	COMPASS	-CPSA115	EQ	RNC6A	LOOP	CMP30	4517	I	14
15		-CPSA115							15
16	COMPASS	-CPSA115				CMP30	4518	I	16
17		-CPSA115							17
18	COMPASS	RNC6B	SA5	T6RM1	GET WORD COUNT FROM FIRST MHB WORD	CMP30	4519	I	18
19		-CPSA115							19
20	COMPASS	-CPSA115	SA3	X5		CMP30	4520	I	20
21		-CPSA115							21
22	COMPASS	-CPSA115	MX0	-5		CMP30	4521	I	22
23		-CPSA115							23
24	COMPASS	-CPSA115	AX3	54		CMP30	4522	I	24
25		-CPSA115							25
26	COMPASS	-CPSA115	BX6	-X0*X3		CMP30	4523	I	26
27		-CPSA115							27
28	COMPASS	-CPSA115	SX7	B0	NO HEADER WORDS	S028 664 CPS028	495	I	28
29		-CPSA115							29
30	COMPASS	-CPSA115	SB7	X6		CMP30	4524	I	30
31		-CPSA115							31
32	COMPASS	-CPSA115	RJ	RNC7	READ CARD IMAGE	CMP30	4525	I	32
33		-CPSA115							33
34	COMPASS	-CPSA115	SA5	T6RM1		CMP30	4526	I	34
35		-CPSA115							35
36	COMPASS	-CPSA115	SA3	X5		CMP30	4527	I	36
37		-CPSA115							37
38	COMPASS	-CPSA115	PL	X3,RNCX	IF CARD IS ACTIVE	CMP30	4528	I	38
39		-CPSA115							39
40	COMPASS	-CPSA115	SX6	X5		CMP30	4529	I	40
41		-CPSA115							41
42	COMPASS	-CPSA115	EQ	RNC6		CMP30	4530	I	42
43		-CPSA115							43
44	COMPASS	-CPSA115				CMP30	4531	I	44
45		-CPSA115							45
46	COMPASS	DM	ENDIF			CMP30	4532	I	46
47		-CPSA115							47
48	COMPASS					CMP30	4533	A	48
49	COMPASS					CMP30	4534	A	49
50	COMPASS	*		RNC7 - READ COMPRESSED CARD IMAGE.		CMP30	4535	A	50
51	COMPASS	*		ENTRY (A0) = FIT ADDRESS.		CMP30	4536	A	51

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPSA115

1	COMPASS		SX0	EOD				CMP30	4571	A		1
2	COMPASS							CMP30	4572		I	2
3												3
4												4
5	COMPASS		SA5	RNCB				CMP30	4573	A		5
6	COMPASS		BX6	X0*X4				CMP30	4574	A		6
7	COMPASS		IX7	X5-X3				CMP30	4575	A		7
8	COMPASS		NZ	X6,RNCX	IF END OF DATA			CMP30	4576		I	8
9												9
10	COMPASS	-CPS028	ZR	X7,RNC7	IF END OF CARD IMAGE, RETURN			CMP30	4577		I	10
11												11
12												12
13												13
14	COMPASS		NZ	X6,RNC7B	IF END OF DATA	S028 677	CPS028		502	A		14
15	COMPASS		ZR	X7,RNC7C	IF END OF CARD IMAGE	S028 678	CPS028		503	A		15
16												16
17	COMPASS		SX0	1S20/10+1				CMP30	4578	A		17
18	COMPASS		SA5	A5-B1				CMP30	4579	A		18
19	COMPASS		IX3	X3*X0				CMP30	4580	A		19
20												20
21	COMPASS		AX3	20	X3 = NUMBER OF WORDS READ			CMP30	4581	A		21
22	COMPASS		IX5	X5+X3	UPDATE RECORD ADDRESS			CMP30	4582	A		22
23	COMPASS		EQ	RNC7A	LOOP			CMP30	4583	A		23
24												24
25	COMPASS	RNC7B	SA1	RNCC		S028 680	CPS028		504	A		25
26	COMPASS		IX3	X1+X1		S028 681	CPS028		505	A		26
27	COMPASS		LX1	3		S028 682	CPS028		506	A		27
28												28
29	COMPASS		IX4	X1+X3		S028 683	CPS028		507	A		29
30	COMPASS		IX5	X7-X4		S028 684	CPS028		508	A		30
31	COMPASS		NZ	X5,RNCX	IF END OF DATA BEFORE HEADER WORDS	S028 685	CPS028		509	A		31
32												32
33	COMPASS	RNC7C	SA1	RNCC		S028 686	CPS028		510	A		33
34	COMPASS		SA3	A1+B1		S028 687	CPS028		511	A		34
35	COMPASS		SA4	T6RM2		S028 688	CPS028		512	A		35
36												36
37	COMPASS		IX5	X3-X1		S028 689	CPS028		513	A		37
38	COMPASS		IX3	X4+X5		S028 690	CPS028		514	A		38
39	COMPASS		ZR	X1,RNC7D	IF NO HEADER WORDS	S028 691	CPS028		515	A		39
40												40
41	COMPASS		SA1	X3		S028 692	CPS028		516	A		41
42	COMPASS		SA5	X3+B1		S028 693	CPS028		517	A		42
43	COMPASS		BX6	X1	MOVE HEADER WORDS TO END	S028 694	CPS028		518	A		43
44												44
45	COMPASS		LX7	X5	OF CARD IMAGE BUFFER	S028 695	CPS028		519	A		45
46	COMPASS		SA6	X4+12		S028 696	CPS028		520	A		46
47	COMPASS		SA7	A6+B1		S028 697	CPS028		521	A		47
48												48
49	COMPASS	RNC7D	BX6	X6-X6	CLEAR WORD FOLLOWING CARD IMAGE	S028 698	CPS028		522	A		49
50	COMPASS		SA6	X3		S028 699	CPS028		523	A		50
51	COMPASS		EQ	RNC7	RETURN	S028 700	CPS028		524	A		51
52												52
53	COMPASS							CMP30	4584	A		53
54	COMPASS	RNCA	DATA	0	TEMPORARY STORAGE			CMP30	4585	A		54
55	COMPASS	RNCB	DATA	0				CMP30	4586	A		55
56												56
57	COMPASS	RNCC	DATA	0		S028 702	CPS028		525	A		57
58	COMPASS	RNCD	DATA	0		S028 703	CPS028		526	A		58
59												59
60	COMPASS							CMP30	4587	A		60
61	COMPASS	RM	ENDIF					CMP30	4588	A		61
62	COMPASS	RNS	SPACE	4				CMP24	260	A		62
63	COMPASS	**	RNS	- READ NEXT STATEMENT.				CMP24	261	A		63
64												64
65	COMPASS	*	ENTRY	(X2) = FET ADDRESS.				CMP24	262		I	65
66												66
67	COMPASS	-CMP30										67
68	COMPASS	*	ENTRY	(X2) = FET/FIT ADDRESS.				CMP30	4589	A		68
69												69
70												70
71												71
72												72
73												73
74												74
75												75
76												76
77												77
78												78
79												79
80												80

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## 14121HE

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CP114

1	COMPASS		LX3	-2		CP114	49	A	1
2	COMPASS		MI	X3,RNS4	IF UPDATE OR MODIFY (64)	CP114	50	A	2
3	COMPASS					CMP24	297	A	3
4	COMPASS	*			UNPACK MODIFY COMPRESSED CARD.	CMP24	298	I	4
5		-CP114							5
6	COMPASS	*			UNPACK MODIFY (63 CHAR SET) COMPRESSED CARD.	CP114	51	A	6
7	COMPASS					CMP24	299	A	7
8	COMPASS		MX3	59		CMP24	300	A	8
9	COMPASS		SB4	-B1		CMP24	301	A	9
10	COMPASS		SB5	1R		CMP24	302	A	10
11	COMPASS		EQ	RNS3C		CMP24	303	A	11
12	COMPASS	RNS3A	LX5	6	EXTRACT NEXT CHARACTER	CMP24	304	A	12
13	COMPASS		BX3	-X0*X5		CMP24	305	A	13
14	COMPASS		ZR	X3,RNS6	IF 0000 (END OF LINE)	CMP24	306	A	14
15	COMPASS	RNS3B	SX3	X3+B4		CMP24	307	A	15
16	COMPASS		SA6	A6+B1	STORE CHARACTER	CMP24	308	A	16
17	COMPASS		PL	X3,RNS3B	IF FILLING BLANKS, LOOP	CMP24	309	A	17
18	COMPASS		NZ	B7,RNS3C	IF SOURCE WORD NOT EXHAUSTED	CMP24	310	A	18
19	COMPASS		SA5	A5+B1		CMP24	311	A	19
20	COMPASS		SB7	B3		CMP24	312	A	20
21	COMPASS	RNS3C	LX5	6		CMP24	313	A	21
22	COMPASS		SB6	X6		CMP24	314	A	22
23	COMPASS		BX6	-X0*X5	EXTRACT NEXT CHARACTER	CMP24	315	A	23
24	COMPASS		LX4	X1,B6		CMP24	316	A	24
25	COMPASS		SB7	B7-B1		CMP24	317	A	25
26	COMPASS		BX7	X7+X4		CMP24	318	A	26
27	COMPASS		NZ	X6,RNS3B	IF NOT 00	CMP24	319	A	27
28	COMPASS		SB7	B7-B1		CMP24	320	A	28
29	COMPASS		SX6	B5		CMP24	321	A	29
30	COMPASS		PL	B7,RNS3A	IF SOURCE WORD NOT EXHAUSTED	CMP24	322	A	30
31	COMPASS		SA5	A5+B1		CMP24	323	A	31
32	COMPASS		SB7	B3-B1		CMP24	324	A	32
33	COMPASS		EQ	RNS3A		CMP24	325	A	33
34	COMPASS					CMP30	4602	A	34
35	COMPASS	DM		ENDIF		CMP30	4603	A	35
36	COMPASS					CMP24	326	A	36
37	COMPASS	*			UNPACK UPDATE COMPRESSED CARD.	CMP24	327	I	37
38		-CP114							38
39	COMPASS	*			UNPACK UPDATE OR MODIFY (64 CHAR SET) COMPRESSED CARD.	CP114	52	A	39
40	COMPASS					CMP24	328	A	40
41	COMPASS	RNS4	SB4	B0		CMP24	329	A	41
42	COMPASS		SB5	1R		CMP24	330	A	42
43	COMPASS		SB6	B5		CMP24	331	A	43
44	COMPASS		EQ	RNS4B		CMP24	332	A	44
45	COMPASS	RNS4A	SB4	B4-B1	STORE CHARACTER	CMP24	333	A	45
46	COMPASS		SA6	A6+B1		CMP24	334	A	46
47	COMPASS		PL	B4,RNS4A	LOOP IF FILLING BLANKS	CMP24	335	A	47
48	COMPASS	RNS4B	LX5	6		CMP24	336	A	48
49	COMPASS		SB7	B7-B1		CMP24	337	A	49
50	COMPASS		BX6	-X0*X5	EXTRACT NEXT CHARACTER	CMP24	338	A	50
51	COMPASS		LX4	X1,B6		CMP24	339	A	51

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

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## 14121HE

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP041

1	COMPASS		MI	X3,RNS8A	IF COMMON DECK	CMP24	399	A		1
2	COMPASS		LX3	59		CMP24	400	A		2
3	COMPASS		MI	X3,RNS6A	IF MODIFY COMPRESSED COMPILE FILE	CMP24	401	A		3
4	COMPASS					CMP24	402	A		4
5	COMPASS		SA3	A0	COLUMNS 73-82	CMP24	403		I	5
6	-CMP041									6
7	COMPASS		BX4	X0*X4	COLUMNS 83-89	CMP24	404		I	7
8	-CMP041									8
9	COMPASS		MX0	12		CMP24	405		I	9
10	-CMP041									10
11	COMPASS		LX4	-12		CMP24	406		I	11
12	-CMP041									12
13	COMPASS		LX3	-12		CMP24	407		I	13
14	-CMP041									14
15	COMPASS		SX5	1R		CMP24	408		I	15
16	-CMP041									16
17	COMPASS		BX6	-X0*X3	COLUMNS 73-80	CMP24	409		I	17
18	-CMP041									18
19	COMPASS		IX5	X4+X5		CMP24	410		I	19
20	-CMP041									20
21	COMPASS		BX7	X3-X6		CMP24	411		I	21
22	-CMP041									22
23	COMPASS		BX7	X7+X5	COLUMNS 81-90	CMP24	412		I	23
24	-CMP041									24
25	COMPASS		SA3	A0	COLUMNS 74-83	CMP041	40	A		25
26	COMPASS		LX4	-18		CMP041	41	A		26
27	COMPASS		BX7	-X0*X4	COLUMNS 84-90	CMP041	42	A		27
28	COMPASS		SX5	1R		CMP041	43	A		28
29	COMPASS		LX3	-18		CMP041	44	A		29
30	COMPASS		BX6	-X0*X3	COLUMNS 74-80	CMP041	45	A		30
31	COMPASS		IX4	X3-X6	COLUMNS 81-83	CMP041	46	A		31
32	COMPASS		LX5	42		CMP041	47	A		32
33	COMPASS		BX7	X4+X7	COLUMNS 81-90	CMP041	48	A		33
34	COMPASS		IX6	X5+X6	COLUMNS 73-80	CMP041	49	A		34
35	COMPASS		EQ	RNS8		CMP24	413	A		35
36	COMPASS					CMP24	414	A		36
37	COMPASS	RNS6A	BX6	X4	STORE IDENTIFIER AND	CMP24	415	A		37
38	COMPASS		SA6	SEQ+X1	BINARY SEQUENCE NUMBER	CMP24	416	A		38
39	COMPASS		EQ	RNS8A		CMP24	417	A		39
40	COMPASS					CMP24	418	A		40
41	COMPASS	RNS7	SA3	X7	COLLECT COLUMNS 73-80	CMP24	419	A		41
42	COMPASS		MX6	0		CMP24	420	A		42
43	COMPASS		SB7	8		CMP24	421	A		43
44	COMPASS	RNS7B	LX6	6		CMP24	422	A		44
45	COMPASS		SB7	B7-B1		CMP24	423	A		45
46	COMPASS		BX6	X6+X3		CMP24	424	A		46
47	COMPASS		SA3	A3+B1		CMP24	425	A		47
48	COMPASS		NZ	B7,RNS7B		CMP24	426	A		48
49	COMPASS		MX7	0	COLLECT COLUMNS 81-90	CMP24	427	A		49
50	COMPASS		SB7	B3		CMP24	428	A		50
51	COMPASS	RNS7C	LX7	6		CMP24	429	A		51

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## 14121HE

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SX7	X1-CARD	TO END OF PREVIOUS STATEMENT	CMP24	474	A
COMPASS	SB3	X1+18		CMP24	475	A
COMPASS	SB4	X4+CARD		CMP24	476	A
COMPASS	SX6	1R		CMP24	477	A
COMPASS	SB2	X1		CMP24	478	A
COMPASS	SA7	A4	STORE NEW LASTCOL	CMP24	479	A
COMPASS	SA6	X1		CMP24	480	A
COMPASS	GE	B3,B4,RNS9A		CMP24	481	A
COMPASS	SB3	B4		CMP24	482	A
COMPASS	RNS9A	SB2	B2+B1	CMP24	483	A
COMPASS	SA6	A6+B1		CMP24	484	A
COMPASS	LT	B2,B3,RNS9A	LOOP	CMP24	485	A
COMPASS	EQ	RNS		CMP24	486	A
COMPASS				CMP24	487	A
COMPASS	RNSA	DATA	0	CMP24	488	A
COMPASS	RSL	SPACE	4	COMPASS	14203	A
COMPASS	**	RSL	- RECORD SEGMENT LENGTH.	COMPASS	14204	A
COMPASS				COMPASS	14205	A
COMPASS				COMPASS	14206	A
COMPASS	RSL	PS	RETURN EXIT	COMPASS	14207	A
COMPASS	SA2	0.SEGTAB		COMPASS	14208	A
COMPASS	SA3	L.SEGTAB		COMPASS	14209	A
COMPASS	SA1	ORGCTR		COMPASS	14210	A
COMPASS	IX3	X2+X3		COMPASS	14211	A
COMPASS	SA2	A1+B1		COMPASS	14212	A
COMPASS	NZ	X2,RSL1	CHANGE ABSOLUTE ORIGIN TO 1	COMPASS	14213	A
COMPASS	SA2	UI+1		COMPASS	14214	A
COMPASS	RSL1	LX2	21	COMPASS	14215	A
COMPASS	BX6	X1+X2		COMPASS	14216	A
COMPASS	SA6	X3-4		COMPASS	14217	A
COMPASS	EQ	RSL		COMPASS	14218	A
COMPASS	RSG	SPACE	4	COMPASS	14219	A
COMPASS	**	RSG	- RELOCATE SEGMENT TABLE.	COMPASS	14220	A
COMPASS				COMPASS	14221	A
COMPASS				COMPASS	14222	A
COMPASS	RSG	PS	RETURN EXIT	COMPASS	14223	A
COMPASS	SA1	0.SEGTAB		COMPASS	14224	A
COMPASS	SA2	L.SEGTAB		COMPASS	14225	A
COMPASS	SB6	X1		COMPASS	14226	A
COMPASS	SB7	B6+X2		COMPASS	14227	A
COMPASS	SA3	0.USETAB		COMPASS	14228	A
COMPASS	SB5	X3-4		COMPASS	14229	I
-CMP30						
COMPASS	SB4	21-2		CMP30	4640	A
COMPASS	SB5	X3-2		CMP30	4641	A
COMPASS	SB7	B7-4		COMPASS	14230	A
COMPASS	RSG1	SA1	B7	COMPASS	14231	I
-CMP30						
COMPASS	SX3	1S10-1S2		CMP30	4642	I
-CPS227						
COMPASS	SX3	3774B	MASK FOR RELOCATION	CPS227	5	A
COMPASS	MX0	-21	FETCH SEGMENT LWA AND RELOCATION	CMP30	4643	A
0	1	2	3	4	5	6
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA1	B7			CMP30	4644	A	
COMPASS	SA5	B7+2	EPTAB/LITAB INDEX		COMPASS	14232	I	
-CMP17								
COMPASS	RSG2	SA4	B7+B1	USE INDEX	COMPASS	14233	I	
-CMP17								
COMPASS	SA5	B7+2	SLITS/EPTAB/LITAB INDEX		CMP17	25	I	
-CPS012								
COMPASS	SA2	B7+B1	USETAB/IDTAB INDEX		CPS012	4	A	
COMPASS	SA5	A2+B1	SLITS/EPTAB/LITAB INDEX		CPS012	5	A	
COMPASS	RSG2	SA4	B7+B1	USETAB/IDTAB INDEX	CMP17	26	I	
-CMP30								
COMPASS	RSG1	SA4	B7+B1	USETAB/IDTAB INDEX	CMP30	4645	I	
-CPS012								
COMPASS	RSG1	LX4	X2		CPS012	6	A	
COMPASS		BX7	X5		COMPASS	14234	A	
COMPASS	SA5	A4+B1			COMPASS	14235	I	
-CPS012								
COMPASS	SA5	A2+1			CPS012	7	A	
COMPASS	RSG3	MX0	-21		COMPASS	14236	I	
-CMP30								
COMPASS	BX6	X1			COMPASS	14237	I	
-CMP30								
COMPASS	AX1	21	6*RELOCATION		COMPASS	14238	I	
-CMP30								
COMPASS	LX1	1			COMPASS	14239	I	
-CMP30								
COMPASS	IX3	X1+X1			COMPASS	14240	I	
-CMP30								
COMPASS	IX1	X3+X1			COMPASS	14241	I	
-CMP30								
COMPASS	SA1	B5+X1	FETCH BLOCK ORIGIN		COMPASS	14242	I	
-CMP30								
COMPASS	IX6	X6+X1	CALCULATE SEGMENT LWA		COMPASS	14243	I	
-CMP30								
COMPASS	RSG2	AX6	X1,B4		CMP30	4646	I	
-CPS012								
COMPASS	BX4	X3*X6			CMP30	4647	I	
-CPS012								
COMPASS	SA2	B5+X4	FETCH BLOCK ORIGIN		CMP30	4648	I	
-CPS012								
COMPASS	RSG2	AX2	X1,B4	RELOCATION * 4	CPS012	8	A	
COMPASS		BX6	X3*X2		CPS012	9	A	
COMPASS	SA2	B5+X6	FETCH BLOCK ORIGIN		CPS012	10	I	
-RSM4159								
COMPASS	BX2	X4			RSM4159	31	A	
COMPASS	AX2	18	USETAB INDEX		RSM4159	32	A	
COMPASS	IX2	X2+X6			RSM4159	33	A	
COMPASS	SA2	B5+X2	FETCH BLOCK ORIGIN		RSM4159	34	A	
COMPASS	IX6	X1+X2	CALCULATE SEGMENT LWA		CMP30	4649	A	
COMPASS	BX6	-X0*X6			COMPASS	14244	A	
COMPASS	SA6	B7			COMPASS	14245	A	
COMPASS	SA7	B7+3	EPTAB/LITAB INDEX		COMPASS	14246	I	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP17

1	COMPASS	SA7	B7+3	SLITS/EPTAB/LITAB INDEX	CMP17	27	A		1
2	COMPASS	EQ	B6,B7,RSG	IF END OF TABLE	COMPASS	14247	A		2
3	COMPASS	SB7	B7-4		COMPASS	14248	A		3
4	COMPASS	SA2	B7+B1		COMPASS	14249	A		4
5	COMPASS	BX6	X4-X2		COMPASS	14250	A		5
6	COMPASS	AX6	18		COMPASS	14251	A		6
7	COMPASS	SA1	B7		COMPASS	14252	A		7
8	COMPASS	ZR	X6,RSG3	IF SAME USETAB INDEX	COMPASS	14253		I	8
9	-CMP30								9
10	COMPASS	EQ	RSG2		COMPASS	14254		I	10
11	-CMP30								11
12	COMPASS	ZR	X6,RSG2	IF SAME USETAB INDEX	CMP30	4650	A		12
13	COMPASS	EQ	RSG1		CMP30	4651	A		13
14	COMPASS	RSS	SPACE 4		COMPASS	14255	A		14
15	COMPASS	**	RSS - RECORD SEGMENT START.		COMPASS	14256	A		15
16	COMPASS				COMPASS	14257	A		16
17	COMPASS				COMPASS	14258	A		17
18	COMPASS	RSS	PS	RETURN EXIT	COMPASS	14259	A		18
19	COMPASS	MANAGE	SEGTAB,4		COMPASS	14260	A		19
20	COMPASS	IX3	X2+X3		COMPASS	14261	A		20
21	COMPASS	SA1	L.IDTAB		COMPASS	14262	A		21
22	COMPASS	MX6	0		COMPASS	14263	A		22
23	COMPASS	SA6	X3-4		COMPASS	14264	A		23
24	COMPASS	SA2	UI		COMPASS	14265	A		24
25	COMPASS	SA3	LI		COMPASS	14266		I	25
26	-CMP17								26
27	COMPASS	SA3	EI		CMP17	28	A		27
28	COMPASS	SA4	LI		CMP17	29	A		28
29	COMPASS	LX2	18		COMPASS	14267	A		29
30	COMPASS	SA4	EI		COMPASS	14268		I	30
31	-CMP17								31
32	COMPASS	SA5	DI		CMP17	30	A		32
33	COMPASS	BX7	X2+X1		COMPASS	14269	A		33
34	COMPASS	LX3	18		CMP17	31	A		34
35	COMPASS	SA7	A6+B1		COMPASS	14270	A		35
36	COMPASS	LX4	18		COMPASS	14271		I	36
37	-CMP17								37
38	COMPASS	IX7	X4+X3		COMPASS	14272		I	38
39	-CMP17								39
40	COMPASS	BX4	X3+X4		CMP17	32	A		40
41	COMPASS	LX5	36		CMP17	33	A		41
42	COMPASS	BX7	X5+X4		CMP17	34	A		42
43	COMPASS	SA7	A7+B1		COMPASS	14273	A		43
44	COMPASS	SA6	A7+B1		COMPASS	14274	A		44
45	COMPASS	SA1	QVAL	RECORD CURRENT QUAL BLOCK	COMPASS	14275	A		45
46	COMPASS	SA2	NBASE	RECORD CURRENT BASE	COMPASS	14276	A		46
47	COMPASS	IX1	X1+X2		COMPASS	14277	A		47
48	COMPASS	ADDWORD	IDTAB		COMPASS	14278	A		48
49	COMPASS	PCARD	IDTAB		COMPASS	14279	A		49
50	COMPASS	EQ	RSS	RETURN	COMPASS	14280	A		50
51	COMPASS	RST	SPACE 4		COMPASS	14281	A		51

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	**	RST - RELOCATE SYMBOL TABLE.				COMPASS	14282	A	
COMPASS						COMPASS	14283	A	
COMPASS						COMPASS	14284	A	
COMPASS	RST	PS			RETURN EXIT	COMPASS	14285	A	
COMPASS		SA1	L.SYMTAB			COMPASS	14286	A	
COMPASS		SA2	O.SYMTAB			COMPASS	14287	A	
COMPASS		SA3	O.USETAB			COMPASS	14288	A	
COMPASS		SA4	UI			RSM4159	35	A	
COMPASS		IX3	X3+X4		BASE ADDRESS OF BLOCK GROUP	RSM4159	36	A	
COMPASS		SB6	X2+B1		(B6) = O.SYMTAB	COMPASS	14289		I
	-CMP30								
COMPASS		SB2	B1+B1			CMP30	4652	A	
COMPASS		SB7	X1		(B7) = L.SYMTAB	COMPASS	14290	A	
COMPASS		SB4	-31+59		(B4) = EXTERNAL SHIFT	COMPASS	14291	A	
COMPASS		SB5	X3-4		(B5) = USETAB INDEX	COMPASS	14292		I
	-CMP30								
COMPASS		SB5	X3-2		(B5) = USETAB INDEX	CMP30	4653	A	
COMPASS		SB6	-29+59		(B6) = RELOCATION SIGN SHIFT	CPS008	1	A	
COMPASS		MX0	-21		(X0) = VALUE MASK	COMPASS	14293	A	
COMPASS		MX5	9			COMPASS	14294		I
	-CPS008								
COMPASS		LX5	30		(X5) = RELOCATION VALUE MASK	COMPASS	14295		I
	-CPS008								
COMPASS		MX5	8		(X5) = RELOCATION VALUE MASK	CPS008	2	A	
COMPASS		LX5	21-52			CPS008	3	A	
COMPASS		SB3	-20+59		(B3) = VALUE SHIFT	COMPASS	14296		I
	-CMP30								
COMPASS		MX7	31		(X7) = RELOCATION MASK	COMPASS	14297	A	
COMPASS	RST1	SB7	B7-2			COMPASS	14298		I
	-CMP30								
COMPASS		NG	B7,RST		IF END OF SYMBOL TABLE	COMPASS	14299		I
	-CMP30								
COMPASS		SA1	B6+B7			COMPASS	14300		I
	-CMP30								
COMPASS		LX6	X1,B4			COMPASS	14301		I
	-CMP30								
COMPASS		NG	X6,RST1		IF EXTERNAL	COMPASS	14302		I
	-CMP30								
COMPASS		BX4	X5*X1		EXTRACT SYMBOL RELOCATION	COMPASS	14303		I
	-CMP30								
COMPASS		ZR	X4,RST1		IF ABSOLUTE	COMPASS	14304		I
	-CMP30								
COMPASS		MX2	-9		EXTRACT RELOCATION NUMBER	COMPASS	14305		I
	-CMP30								
COMPASS		LX4	-20		CALCULATE USETAB INDEX	COMPASS	14306		I
	-CMP30								
COMPASS		BX4	-X2*X4			COMPASS	14307		I
	-CMP30								
COMPASS		IX3	X4+X4			COMPASS	14308		I
	-CMP30								
COMPASS		LX6	-29+31		EXTEND SIGN OF RELOCATION	COMPASS	14309		I
	-CMP30								
	0	1	2	3	4	5	6	7	8
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	AX2	24-21			CMP30	4664	A	
COMPASS	BX6	X6-X4	COMPLEMENT BLOCK ORIGIN IF NEG RELOCATION		CMP30	4665	A	
COMPASS	BX2	X5+X2	BLOCK RELOCATION		CMP30	4666	A	
COMPASS	IX3	X3+X6			CMP30	4667	A	
COMPASS	BX4	-X0+X3			CMP30	4668	A	
COMPASS	IX2	X1+X2			CMP30	4669	A	
COMPASS	BX6	X2+X4			CMP30	4670	A	
COMPASS					CP096A	496	A	
COMPASS	RM	IFNE	CP#RM,7		CP096A	497	A	
COMPASS	SA6	A1	RESTORE SYMBOL TABLE ENTRY		CMP30	4671	A	
COMPASS	RST2	SB7	B7-B2		CMP30	4672	A	
COMPASS	SA1	A1+B2	NEXT SYMBOL TABLE ENTRY		CMP30	4673	A	
COMPASS	RM	ELSE			CP096A	498	A	
COMPASS	SX3	B3	RESTORE SYMBOL TABLE ENTRY		CP096A	499	A	
COMPASS	WX6	X3			CP096A	500	A	
COMPASS	RST2	SX3	B3+B2		CP096A	501	A	
COMPASS	RX1	X3	NEXT SYMBOL TABLE ENTRY		CP096A	502	A	
COMPASS	SB3	X3			CP096A	503	A	
COMPASS	SB7	B7-B2			CP096A	504	A	
COMPASS	RM	ENDIF			CP096A	505	A	
COMPASS					CP096A	506	A	
COMPASS	BX6	X5+X1			CMP30	4674		I
-CPS008								
COMPASS	BX2	X5+X1			CPS008	7	A	
COMPASS	LX3	X1,B4			CMP30	4675	A	
COMPASS	MI	B7,RST	IF END OF SYMBOL TABLE		CMP30	4676	A	
COMPASS	ZR	X6,RST2	IF ABSOLUTE OR NULL ENTRY		CMP30	4677		I
-CPS008								
COMPASS	LX6	1			CMP30	4678		I
-CPS008								
COMPASS	BX2	X5+X6	BLOCK NUMBER		CMP30	4679		I
-CPS008								
COMPASS	ZR	X2,RST2	IF ABSOLUTE OR NULL ENTRY		CPS008	8	A	
COMPASS	PL	X3,RST1	IF NOT EXTERNAL		CMP30	4680	A	
COMPASS	EQ	RST2	LOOP		CMP30	4681	A	
COMPASS	RUT	SPACE	4		COMPASS	14326	A	
COMPASS	**	RUT -	RELOCATE USE TABLE.		COMPASS	14327	A	
COMPASS	*	ENTRY	(X1) = USE TABLE INDEX.		COMPASS	14328	A	
COMPASS	*	EXIT	(X0) = PROGRAM LENGTH.		COMPASS	14329	A	
COMPASS					COMPASS	14330	A	
COMPASS					COMPASS	14331	A	
COMPASS	RUT	PS	RETURN EXIT		COMPASS	14332	A	
COMPASS	SA5	ABSFG			COMPASS	14333	A	
COMPASS	SA3	O.USETAB			COMPASS	14334	A	
COMPASS	SA2	L.USETAB			COMPASS	14335	A	
COMPASS	SA4	UI			RSM4159	37	A	
COMPASS	LX6	X1,B1			COMPASS	14336		I
-CMP30								
COMPASS	IX6	X6+X1			COMPASS	14337		I
-CMP30								
COMPASS	LX6	1			COMPASS	14338		I
-CMP30								
0	1	2	3	4	5	6	7	8
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	IX6	X3+X6	COMPASS	14339	I
-CMP30					
COMPASS	SB6	X6-6	COMPASS	14340	I
-CMP30					
COMPASS	LX1	2	CMP30	4682	A
COMPASS	IX1	X1+X4	RSM4159	38	A
COMPASS	IX6	X3+X1	CMP30	4683	A
COMPASS	SB6	X6-4	CMP30	4684	A
COMPASS	IX2	X2+X3	COMPASS	14341	A
COMPASS	SB7	X2	COMPASS	14342	A
COMPASS	SB4	X5+B1	COMPASS	14343	A
COMPASS	MX2	-21	COMPASS	14344	A
COMPASS	SB3	B0	COMPASS	14345	A
COMPASS	SA3	=R/PROGRAM*/ SET UP REAL BLOCK NAMES	COMPASS	14346	A
COMPASS	SA4	=R/ABSOLUTE*/	COMPASS	14347	A
COMPASS	BX6	X3	COMPASS	14348	A
COMPASS	LX7	X4	COMPASS	14349	A
COMPASS	SA6	B6+6	COMPASS	14350	I
-CMP30					
COMPASS	SA6	B6+4	CMP30	4685	A
COMPASS	SA7	B6	COMPASS	14351	A
COMPASS	BX0	X0-X0	COMPASS	14352	A
COMPASS	SB5	6	COMPASS	14353	I
-CMP30					
COMPASS	SB5	33	CMP30	4686	A
COMPASS	EQ	B4,B1,RUT1	COMPASS	14354	A
COMPASS	SA6	A7	COMPASS	14355	A
COMPASS	RUT1	SA1	COMPASS	14356	A
COMPASS	SA3	B6+B1	COMPASS	14357	A
COMPASS	SA4	A1+B1	COMPASS	14358	A
COMPASS	SA4	B6	COMPASS	14359	A
COMPASS	SB2	B3+B4	COMPASS	14360	A
COMPASS	BX1	-X2*X1	COMPASS	14361	A
COMPASS	+	NE	COMPASS	14362	A
COMPASS	NZ	B4,B1,*+1	COMPASS	14363	A
COMPASS	NG	X3,RUT3	COMPASS	14364	A
COMPASS	EQ	X4,RUT5	COMPASS	14365	A
COMPASS	SB2	B1,B2,RUT4	COMPASS	14366	A
COMPASS	SB2	B1+B1	COMPASS	14367	A
COMPASS	SX5	B2-B4	COMPASS	14368	A
COMPASS	LX5	24	COMPASS	14369	I
COMPASS	BX6	X5+X0			
COMPASS	SA6	A3	COMPASS	14370	A
-CMP30					
COMPASS	IX0	X1+X0	COMPASS	14371	I
COMPASS	BX7	X0	COMPASS	14372	I
-CMP30					
COMPASS	SA7	B6+5	COMPASS	14373	I
-CMP30					
COMPASS	RUT2	SB3	COMPASS	14374	I
-CMP30					
COMPASS	MX6	0	COMPASS	14375	I
-CMP30					
COMPASS	SA6	A7-B1			
0	1	2	3	4	5
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP30

1	COMPASS	SA6	A6-B1	CLEAR BINWORD WORD	COMPASS	14376	I
2	-CMP30						
3	COMPASS	SB6	B6+B5	INCREMENT LOAD ADDRESS	COMPASS	14377	I
4	-CMP30						
5	COMPASS	LX7	X0,B5		CMP30	4687	A
6	COMPASS	BX6	X6+X7		CMP30	4688	A
7	COMPASS	SA6	A3	STORE BLOCK ORIGIN, RELOCATION, MAXIMUM	CMP30	4689	A
8	COMPASS	RUT2	MX6	0	CMP30	4690	A
9	COMPASS	SB3	B3+4	INCREMENT BLOCK INDEX	CMP30	4691	A
10	COMPASS	SA6	A6+B1	CLEAR BINWORD WORD	CMP30	4692	A
11	COMPASS	SB6	B6+4	INCREMENT LOAD ADDRESS	CMP30	4693	A
12	COMPASS	NE	B6,B7,RUT1	LOOP	COMPASS	14378	A
13	COMPASS	EQ	RUT	RETURN	COMPASS	14379	A
14	COMPASS				COMPASS	14380	A
15	COMPASS	*	COMMON BLOCK.		COMPASS	14381	A
16	COMPASS				COMPASS	14382	A
17	COMPASS	RUT3	SA4	NBLOCKS INCREMENT BLOCK COUNT	COMPASS	14383	A
18	COMPASS	SX6	X4+B1		COMPASS	14384	A
19	COMPASS	BX7	X1	BLOCK LENGTH	COMPASS	14385	I
20	-CMP30						
21	COMPASS	LX7	X1,B5	BLOCK LENGTH	CMP30	4694	A
22	COMPASS	SA6	A4		COMPASS	14386	A
23	COMPASS	SX6	X6+B1		COMPASS	14387	I
24	-CMP30						
25	COMPASS	SA7	B6+5		COMPASS	14388	I
26	-CMP30						
27	COMPASS	LX6	24		COMPASS	14389	I
28	-CMP30						
29	COMPASS	SX5	X6+B1		CMP30	4695	A
30	COMPASS	LX5	24		CMP30	4696	A
31	COMPASS	BX6	X7+X5	STORE BLOCK ORIGIN, RELOCATION, MAXIMUM	CMP30	4697	A
32	COMPASS	SA6	A3		COMPASS	14390	A
33	COMPASS	EQ	RUT2	LOOP	COMPASS	14391	A
34	COMPASS				COMPASS	14392	A
35	COMPASS	*	ABSOLUTE BLOCK IN REL ASSEMBLY.		COMPASS	14393	A
36	COMPASS				COMPASS	14394	A
37	COMPASS	RUT4	MX6	0	COMPASS	14395	I
38	-CMP30						
39	COMPASS	SX7	377777B		COMPASS	14396	I
40	-CMP30						
41	COMPASS	RUT4	SX6	1S17-1	CMP30	4698	A
42	COMPASS	LX6	33		CMP30	4699	A
43	COMPASS	SA6	A3		COMPASS	14397	A
44	COMPASS	SA7	B6+5		COMPASS	14398	I
45	-CMP30						
46	COMPASS	EQ	RUT2	LOOP	COMPASS	14399	A
47	COMPASS				COMPASS	14400	A
48	COMPASS	*	LCM BLOCK IN ABSOLUTE ASSEMBLY.		COMPASS	14401	I
49	-CMP30						
50	COMPASS	*	LOCAL LCM BLOCK.		CMP30	4700	A
51	COMPASS				COMPASS	14402	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP165

1	COMPASS	-CMP165	SB7	A0-B5	UNPACK CHARACTER INDEX	COMPASS	14428	I	1	
2									2	
3	COMPASS		SX6	B7+B7		COMPASS	14429	I	3	
4		-CMP165							4	
5	COMPASS		SB7	X6+B7		COMPASS	14430	I	5	
6		-CMP165							6	
7	COMPASS		LX3	X3,B7		COMPASS	14431	I	7	
8		-CMP165							8	
9	COMPASS		MX0	-6		COMPASS	14432	I	9	
10		-CMP165							10	
11	COMPASS		LX3	X3,B7		COMPASS	14433	I	11	
12		-CMP165							12	
13	COMPASS		SB5	B5-B1		COMPASS	14434	I	13	
14		-CMP165							14	
15	COMPASS		LX3	6		COMPASS	14435	I	15	
16		-CMP165							16	
17	COMPASS		BX6	-X0*X3		COMPASS	14436	I	17	
18		-CMP165							18	
19	COMPASS		NZ	B5,SIA1	IF NOT END OF WORD	COMPASS	14437	I	19	
20		-CMP165							20	
21	COMPASS		UX3,B4	X2		CMP165	138	A	21	
22	COMPASS		SB3	B3+X2	(B3) = FWA OF ARGUMENT	CMP165	139	A	22	
23	COMPASS		LX3	59-41		CMP165	140	A	23	
24	COMPASS		SB4	-B4	(B4) = ARGUMENT CHARACTER COUNT	CMP165	141	A	24	
25	COMPASS		SB6	X3	(B6) = SHIFT COUNT FOR NEXT CHARACTER	CMP165	142	A	25	
26	COMPASS		UX3,B5		(B5) = COUNT OF CHARS PRECEDING CURRENT CH	CMP165	143	A	26	
27	COMPASS		LX3	41-29		CMP165	144	A	27	
28	COMPASS		UX3,B2			CMP165	145	A	28	
29	COMPASS		SA3	B3+B2	(X3) = CURRENT WORD OF ARGUMENT	CMP165	146	A	29	
30	COMPASS		SB6	B6+6		CMP165	147	A	30	
31	COMPASS		SB5	B5+B1		CMP165	148	A	31	
32	COMPASS		LX4	X3,B6	GET NEXT CHARACTER	CMP165	149	A	32	
33	COMPASS		SB7	A0-B6		CMP165	150	A	33	
34	COMPASS		GT	B5,B4,SIA7	IF PAST END OF ARGUMENT	CMP165	151	A	34	
35	COMPASS		BX6	-X0*X4		CMP165	152	A	35	
36	COMPASS		NZ	B7,SIA1	IF NOT END OF WORD	CMP165	153	A	36	
37	COMPASS		SA3	A3+B1		COMPASS	14438	A	37	
38	COMPASS		SB5	A0		COMPASS	14439	I	38	
39		-CMP165							39	
40	COMPASS		SB6	B0		CMP165	154	A	40	
41	COMPASS	SIA1	SB7	X6-1R(		COMPASS	14440	A	41	
42	COMPASS		MX5	0		COMPASS	14441	A	42	
43	COMPASS		ZR	B7,SIA5	IF 1ST CHARACTER *(	COMPASS	14442	I	43	
44		-CMP165							44	
45	COMPASS		ZR	B7,SIA4	IF FIRST CHARACTER IS *(	CMP165	155	A	45	
46	COMPASS		EQ	SIA3		COMPASS	14443	A	46	
47	COMPASS					COMPASS	14444	A	47	
48	COMPASS	SIA2	SB5	B5-B1	SKIP ONE ARGUMENT	COMPASS	14445	I	48	
49		-CMP165							49	
50	COMPASS		LX3	6		COMPASS	14446	I	50	
51		-CMP165							51	
52									52	
53		0	1	2	3	4	5	6	7	8
54		1234567890123456789012345678901234567890123456789012345678901234567890								
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	BX6	-X0*X3	COMPASS	14447	I			
COMPASS	-CMP165	NZ	B5,SIA3	IF NOT END OF WORD	COMPASS	14448	I	
COMPASS	-CMP165	SIA2	SB6	B6+6	SKIP ONE SUBARGUMENT	CMP165	156	A
COMPASS			SB5	B5+B1		CMP165	157	A
COMPASS			LX4	X3,B6	GET NEXT CHARACTER	CMP165	158	A
COMPASS			SB7	A0-B6		CMP165	159	A
COMPASS			GT	B5,B4,SIA7	IF PAST END OF ARGUMENT	CMP165	160	A
COMPASS			BX6	-X0*X4		CMP165	161	A
COMPASS			NZ	B7,SIA3	IF NOT END OF WORD	CMP165	162	A
COMPASS			SA3	A3+B1		COMPASS	14449	A
COMPASS			SB5	A0		COMPASS	14450	I
COMPASS	-CMP165	SB6	B0			CMP165	163	A
COMPASS	SIA3	SX5	X6-1R,			COMPASS	14451	A
COMPASS		ZR	X6,SIA7	IF END OF CURRENT IRP		COMPASS	14452	I
COMPASS	-CMP165	NZ	X5,SIA2	IF NOT *,*		COMPASS	14453	A
COMPASS		SX2	X2	UPDATE ARGUMENT POINTER		COMPASS	14454	A
COMPASS		SX6	A3-B3			COMPASS	14455	I
COMPASS	-CMP165	LX6	18			COMPASS	14456	I
COMPASS	-CMP165	BX6	X6+X2			COMPASS	14457	I
COMPASS	-CMP165	MX2	1			COMPASS	14458	I
COMPASS	-CMP165	BX2	X6+X2			COMPASS	14459	I
COMPASS	-CMP165	PX6	X2,B5			COMPASS	14460	I
COMPASS	-CMP165	SX6	B6			CMP165	164	A
COMPASS		LX2	59-41			CMP165	165	A
COMPASS		BX2	X2+X6			CMP165	166	A
COMPASS		PX2	B5			CMP165	167	A
COMPASS		SB2	A3-B3			CMP165	168	A
COMPASS		LX2	41-29			CMP165	169	A
COMPASS		PX2	B2			CMP165	170	A
COMPASS		SB4	-B4			CMP165	171	A
COMPASS		LX2	29-59			CMP165	172	A
COMPASS		PX6	X2,B4			CMP165	173	A
COMPASS		SA6	A2			COMPASS	14461	A
COMPASS		SA4	A7+2			COMPASS	14462	A
COMPASS		SX6	X7			CMP24	489	A
COMPASS		AX4	18	RESET MACRO DEFINITION POINTER		COMPASS	14463	A
COMPASS		BX7	X4			COMPASS	14464	I
COMPASS	-CMP24	SA7	A7			COMPASS	14465	I
COMPASS	-CMP24	BX7	X7-X6			CMP24	490	A
COMPASS		BX7	X7+X4			CMP24	491	A
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SB7	X1-1RQ	COMPASS	14536	A
COMPASS	ZR	B7,S0S8	COMPASS	14537	A
COMPASS	NZ	X7,S0SER IF WE HAVE ALREADY WRITTEN REGISTERS	COMPASS	14538	A
COMPASS	SB7	X1-1R+ CHECK LEADING OPERATOR	COMPASS	14539	A
COMPASS	ZR	B7,S0S4 IF PLUS	COMPASS	14540	A
COMPASS	NE	B7,B1,S0S5 IF NOT MINUS	COMPASS	14541	A
COMPASS	S0S4	SX0 B7	COMPASS	14542	A
COMPASS	SA1	A1+B1	COMPASS	14543	A
COMPASS	LX0	7	COMPASS	14544	A
COMPASS	BX6	X0+X6	COMPASS	14545	A
COMPASS	S0S5	SB7 X1-3	COMPASS	14546	A
COMPASS	SB6	X1-1RX	COMPASS	14547	A
COMPASS	NG	B7,S0S6	COMPASS	14548	A
COMPASS	SX1	3	COMPASS	14549	A
COMPASS	NZ	B6,S0SER ERROR IF NOT ABX	COMPASS	14550	A
COMPASS	S0S6	LX1 5	COMPASS	14551	A
COMPASS	BX6	X1+X6	COMPASS	14552	A
COMPASS	SA1	A1+B1	COMPASS	14553	A
COMPASS	SB3	B3+B1 INCREMENT PARAMETER COUNT	COMPASS	14554	A
COMPASS	MX7	1 SET REGISTER INTERLOCK	COMPASS	14555	A
COMPASS	SB7	X1-1R+ TEST INTERMEDIATE OPERATOR	COMPASS	14556	A
COMPASS	SB6	X1-1R/-1	COMPASS	14557	A
COMPASS	NG	B7,S0S3	COMPASS	14558	A
COMPASS	PL	B6,S0S3	COMPASS	14559	A
COMPASS	SX0	B7	COMPASS	14560	A
COMPASS	SA1	A1+B1	COMPASS	14561	A
COMPASS	SB3	B3+B1 INCREMENT PARAMETER COUNT	COMPASS	14562	A
COMPASS	LX0	3	COMPASS	14563	A
COMPASS	BX6	X0+X6	COMPASS	14564	A
COMPASS	SB7	X1-3	COMPASS	14565	A
COMPASS	SB6	X1-1RX	COMPASS	14566	A
COMPASS	NG	B7,S0S7	COMPASS	14567	A
COMPASS	SX1	3	COMPASS	14568	A
COMPASS	NZ	B6,S0SER	COMPASS	14569	A
COMPASS	S0S7	LX1 1	COMPASS	14570	A
COMPASS	BX6	X1+X6	COMPASS	14571	A
COMPASS	EQ	S0S2	COMPASS	14572	A
COMPASS			COMPASS	14573	A
COMPASS	*	Q SUBFIELD.	COMPASS	14574	A
COMPASS			COMPASS	14575	A
COMPASS	S0S8	SX6 X6+B1 SET ADDRESS FLAG	COMPASS	14576	A
COMPASS	MX5	1 SET ADDRESS INTERLOCK	COMPASS	14577	A
COMPASS	SB3	B3+B1 INCREMENT PARAMETER COUNT	COMPASS	14578	A
COMPASS	EQ	S0S2	COMPASS	14579	A
COMPASS			COMPASS	14580	A
COMPASS	*	END OF SUBFIELD.	COMPASS	14581	A
COMPASS			COMPASS	14582	A
COMPASS	S0S9	SA6 A6+B1 STORE MASK	COMPASS	14583	I
-CMP27					
COMPASS	S0S9	ZR X6,S0S9A IF EMPTY SUBFIELD	CMP27	24	A
COMPASS	SA6	A6+B1 STORE MASK	CMP27	25	A
COMPASS	ZR	B7,S0S10 JUMP IF TERMINATOR WAS BLANK	COMPASS	14584	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS		SB2	B2+B1	INCREMENT SUBFIELD COUNT	COMPASS	14585	A	
1	COMPASS		SB7	B2-3		COMPASS	14586	A	1
2	COMPASS		NG	B7,S0S1	IF NOT TOO MANY COMMAS YET	COMPASS	14587	A	2
3	COMPASS		EQ	S0SER		COMPASS	14588	A	3
4	COMPASS	S0S9A	NZ	B7,S0S1	IF NOT END OF SYNTAX SPECIFICATION	CMP27	26	A	4
5	COMPASS					COMPASS	14589	A	5
6	COMPASS	*		END OF SYNTAX.		COMPASS	14590	A	6
7	COMPASS					COMPASS	14591	A	7
8	COMPASS	S0S10	SA1	0PADS	CONSTRUCT MASK	COMPASS	14592	A	8
9	COMPASS		SA2	A1+B1		COMPASS	14593	A	9
10	COMPASS		LX1	36		COMPASS	14594	A	10
11	COMPASS		SA3	A2+B1		COMPASS	14595	A	11
12	COMPASS		LX2	28		COMPASS	14596	A	12
13	COMPASS		SA4	A3+B1		COMPASS	14597	A	13
14	COMPASS		BX6	X1+X2		COMPASS	14598	A	14
15	COMPASS		LX3	20		COMPASS	14599	A	15
16	COMPASS		SX0	1R		COMPASS	14600	A	16
17	COMPASS		BX6	X3+X6		COMPASS	14601	A	17
18	COMPASS		IX7	X0+X6		COMPASS	14602	A	18
19	COMPASS		LX4	12		COMPASS	14603	A	19
20	COMPASS		BX6	X4+X7		COMPASS	14604	A	20
21	COMPASS		SX7	B3	PARAMETER COUNT	COMPASS	14605	A	21
22	COMPASS		SA6	P1TEMP		COMPASS	14606	A	22
23	COMPASS		SA7	P1TEMPD		COMPASS	14607	A	23
24	COMPASS		EQ	S0S	RETURN	COMPASS	14608	A	24
25	COMPASS					COMPASS	14609	A	25
26	COMPASS	*		ERROR IN SYNTAX.		COMPASS	14610	A	26
27	COMPASS					COMPASS	14611	A	27
28	COMPASS	S0SER	SX6	B1	NOTE ARGUMENT COUNT ERROR	COMPASS	14612	A	28
29	COMPASS		SA6	W5ERR		COMPASS	14613	A	29
30	COMPASS		SA6	EFLG		COMPASS	14614	A	30
31	COMPASS		MX6	0		COMPASS	14615	A	31
32	COMPASS		EQ	S0S	RETURN	COMPASS	14616	A	32
33	COMPASS	SQUEEZE	SPACE	4		COMPASS	14617	A	33
34	COMPASS	**		SQUEEZE - COMPRESS CARD.		COMPASS	14618	A	34
35	COMPASS	*	ENTRY	IF (SQLGN) " 0 SQUEEZE IS NULL.		COMPASS	14619	A	35
36	COMPASS	*	EXIT	(SQLGN) = LENGTH OF SQUEEZED IMAGE.		COMPASS	14620	A	36
37	COMPASS					COMPASS	14621	A	37
38	COMPASS					COMPASS	14622	A	38
39	COMPASS	SQUEEZE	PS	RETURN EXIT		COMPASS	14623	A	39
40	COMPASS		SA1	SQLGN		COMPASS	14624	I	40
41		-CMP64G							41
42	COMPASS		SX0	2012B		COMPASS	14625	I	42
43		-CMP64G							43
44	COMPASS		NZ	X1,SQUEEZE	IF CARD ALREADY SQUEEZED	COMPASS	14626	I	44
45		-CMP64G							45
46	COMPASS		SB2	-1R	PRE-SET REGISTERS	COMPASS	14627	I	46
47		-CMP64G							47
48	COMPASS		SB4	100B		COMPASS	14628	I	48
49		-CMP64G							49
50	COMPASS		SB3	-B1		COMPASS	14629	I	50
51		-CMP64G							51
52									52
53		0	1	2	3	4	5	6	53
54		1234567890123456789012345678901234567890123456789012345678901234567890							54



## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

1	COMPASS	-CMP64G	SA6	A6+B1		COMPASS	14656	I	1	
2	COMPASS	-CMP64G	UX6	B6,X0		COMPASS	14657	I	2	
3		-CMP64G							3	
4	COMPASS	SQU4	SX7	X5+B2	CHECK CHARACTER FOR BLANK	COMPASS	14658	I	5	
5		-CMP64G							6	
6	COMPASS		BX4	X5		COMPASS	14659	I	7	
7		-CMP64G							8	
8	COMPASS		SB5	B5+B1	INCREMENT BLANK COUNT	COMPASS	14660	I	10	
9		-CMP64G							11	
10	COMPASS		SA5	A5+B1		COMPASS	14661	I	12	
11		-CMP64G							13	
12	COMPASS		ZR	X7,SQU4	IF BLANK	COMPASS	14662	I	14	
13		-CMP64G							15	
14	COMPASS		IX2	X4-X1		COMPASS	14663	I	16	
15		-CMP64G							17	
16	COMPASS		BX2	X1*X2		COMPASS	14664	I	18	
17		-CMP64G							19	
18	COMPASS		SB3	-B1		COMPASS	14665	I	20	
19		-CMP64G							21	
20	COMPASS		ZR	X2,SQU6	IF END OF LINE OR 77 MARK	COMPASS	14666	I	22	
21		-CMP64G							23	
22	COMPASS		ZR	B5,SQU3	IF NO BLANKS	COMPASS	14667	I	24	
23		-CMP64G							25	
24	COMPASS	SQU5	SX4	-B2		COMPASS	14668	I	26	
25		-CMP64G							27	
26	COMPASS		SA5	A5-B1	BACKSPACE ONE CHARACTER	COMPASS	14669	I	28	
27		-CMP64G							29	
28	COMPASS		EQ	B5,B1,SQU3	IF ONE BLANK	COMPASS	14670	I	30	
29		-CMP64G							31	
30	COMPASS		EQ	SQU1	IF > 1 BLANK	COMPASS	14671	I	32	
31		-CMP64G							33	
32	COMPASS					COMPASS	14672	I	34	
33		-CMP64G							35	
34	COMPASS	*		PROCESS MACRO MARK (77).		COMPASS	14673	I	36	
35		-CMP64G							37	
36	COMPASS					COMPASS	14674	I	38	
37		-CMP64G							39	
38	COMPASS	SQU6	ZR	X4,SQU8	IF END OF LINE	COMPASS	14675	I	40	
39		-CMP64G							41	
40	COMPASS		NZ	B5,SQU5	IF BLANKS	COMPASS	14676	I	42	
41		-CMP64G							43	
42	COMPASS		LX6	6		COMPASS	14677	I	44	
43		-CMP64G							45	
44	COMPASS		SB6	B6-B1		COMPASS	14678	I	46	
45		-CMP64G							47	
46	COMPASS		BX6	X6+X4		COMPASS	14679	I	48	
47		-CMP64G							49	
48	COMPASS		NZ	B6,SQU7	IF NOT END OF WORD	COMPASS	14680	I	50	
49		-CMP64G							51	
50	COMPASS		SA6	A6+B1		COMPASS	14681	I	52	
51		-CMP64G							53	
52									54	
53		0	1	2	3	4	5	6	7	8
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	UX6,B6 X0	COMPASS	14682	I
1	COMPASS	-CMP64G	COMPASS	14683	I
2	COMPASS	SQU7	COMPASS	14684	I
3	COMPASS	-CMP64G	COMPASS	14685	I
4	COMPASS	SA5	COMPASS	14686	I
5	COMPASS	-CMP64G	COMPASS	14687	I
6	COMPASS	NZ	COMPASS	14688	I
7	COMPASS	-CMP64G	COMPASS	14689	I
8	COMPASS	SA5	COMPASS	14690	I
9	COMPASS	-CMP64G	COMPASS	14691	I
10	COMPASS	SX4	COMPASS	14692	I
11	COMPASS	-CMP64G	COMPASS	14693	I
12	COMPASS	EQ	COMPASS	14694	I
13	COMPASS	-CMP64G	COMPASS	14695	I
14	COMPASS	-CMP64G	COMPASS	14696	I
15	COMPASS	*	COMPASS	14697	I
16	COMPASS	-CMP64G	COMPASS	14698	I
17	COMPASS		COMPASS	14699	I
18	COMPASS	-CMP64G	COMPASS	14700	I
19	COMPASS	SQU8	COMPASS	14701	I
20	COMPASS	-CMP64G	COMPASS	14702	I
21	COMPASS	LX6	COMPASS	14703	I
22	COMPASS	-CMP64G	COMPASS	14704	I
23	COMPASS	SB6	COMPASS	14705	I
24	COMPASS	-CMP64G	COMPASS	14706	I
25	COMPASS	NZ	COMPASS	14707	I
26	COMPASS	-CMP64G	COMPASS	14708	I
27	COMPASS	SA6	COMPASS	14709	I
28	COMPASS	-CMP64G	COMPASS	14710	I
29	COMPASS	MX0	COMPASS	14711	I
30	COMPASS	-CMP64G	COMPASS	14712	I
31	COMPASS	BX4	COMPASS	14713	I
32	COMPASS	-CMP64G	COMPASS	14714	I
33	COMPASS	SX6	COMPASS	14715	I
34	COMPASS	-CMP64G	COMPASS	14716	I
35	COMPASS	SX7	COMPASS	14717	I
36	COMPASS	-CMP64G	COMPASS	14718	I
37	COMPASS	ZR	COMPASS	14719	I
38	COMPASS	-CMP64G	COMPASS	14720	I
39	COMPASS	SA6	COMPASS	14721	I
40	COMPASS	-CMP64G	COMPASS	14722	I
41	COMPASS	SQU9	COMPASS	14723	I
42	COMPASS	-CMP64G	COMPASS	14724	I
43	COMPASS	SX6	COMPASS	14725	I
44	COMPASS	-CMP64G	COMPASS	14726	I
45	COMPASS	SA1	COMPASS	14727	I
46	COMPASS	NZ	COMPASS	14728	I
47	COMPASS	SA3	COMPASS	14729	I
48	COMPASS	SA5	COMPASS	14730	I
49	COMPASS	SB2	COMPASS	14731	I
50	COMPASS	SB3	COMPASS	14732	I
51	COMPASS	SB4	COMPASS	14733	I
	COMPASS	SB6	COMPASS	14734	I
	COMPASS	SQLGN	COMPASS	14735	I
	COMPASS	X1,SQUEEZE	COMPASS	14736	I
	COMPASS	LASTCOL	COMPASS	14737	I
	COMPASS	STYPE	COMPASS	14738	I
	COMPASS	-1R	COMPASS	14739	I
	COMPASS	-2	COMPASS	14740	I
	COMPASS	77B	COMPASS	14741	I
	COMPASS	10	COMPASS	14742	I

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS		SB7	STCA		CMP64G	370	A
COMPASS		BX6	X6-X6		CMP64G	371	A
COMPASS		MX7	60		CMP64G	372	A
COMPASS		SA6	SQIMAGE-1		CMP64G	373	A
COMPASS		SA7	CARD+X3	STORE -0 IN LAST COLUMN + 1	CMP64G	374	A
COMPASS		PX0	X6,B6		CMP64G	375	A
COMPASS					CMP64G	376	A
COMPASS	SQU1	SB6	B6-B1	PACK CHARACTER	CMP64G	377	A
COMPASS		BX6	X6+X5		CMP64G	378	A
COMPASS		SA5	A5+B1	FETCH NEXT CHARACTER	CMP64G	379	A
COMPASS		SA2	X5+B7		CMP64G	380	A
COMPASS	SQU2	NZ	B6,SQU3	IF WORD NOT FULL	CMP64G	381	A
COMPASS		SA6	A6+B1		CMP64G	382	A
COMPASS		UX6,B6	X0		CMP64G	383	A
COMPASS	SQU3	LX6	6		CMP64G	384	A
COMPASS		PL	X2,SQU1	IF NOT -0 NOR 00 NOR 55 NOR 77	CMP64G	385	A
COMPASS		SB5	B3		CMP64G	386	A
COMPASS	SQU4	SX2	X5+B2	COUNT BLANKS	CMP64G	387	A
COMPASS		SB5	B5+B1	(B5) = BLANK COUNT - 1	CMP64G	388	A
COMPASS		NO			CMP64G	389	A
COMPASS		SA5	A5+B1		CMP64G	390	A
COMPASS	SQU5	ZR	X2,SQU4		CMP64G	391	A
COMPASS		LE	B5,B1,SQU6	IF 0, 1, OR 2 BLANKS	CMP64G	392	A
COMPASS		GT	B5,B4,SQU8	IF MORE THAN 64 BLANKS	CMP64G	393	A
COMPASS		SB6	B6-B1	PACK 0002-0077 FOR 3 TO 64 BLANKS	CMP64G	394	A
COMPASS		SA5	A5+B3	RESET CHARACTER POINTER	CMP64G	395	A
COMPASS	SQU5A	SX5	B5		CMP64G	396	A
COMPASS		BX2	X2-X2	GO PACK 00NN	CMP64G	397	A
COMPASS		EQ	SQU2		CMP64G	398	A
COMPASS					CMP64G	399	A
COMPASS	SQU6	SB5	B5-B3	0, 1, OR 2 BLANKS	CMP64G	400	A
COMPASS		SA5	A5-B5	RESET CHARACTER POINTER	CMP64G	401	A
COMPASS		GT	B5,B1,SQU1	IF 1 OR 2 BLANKS	CMP64G	402	A
COMPASS		MI	X5,SQU9	IF -0 (END OF STATEMENT)	CMP64G	403	A
COMPASS		ZR	X5,SQU7	IF 00 (COLON)	CMP64G	404	A
COMPASS		SA2	A5+B1	77 (SEMICOLON OR PARAMETER MARK)	CMP64G	405	A
COMPASS		SX2	X2+B2	SEE IF NEXT CHARACTER IS 55 (BLANK)	CMP64G	406	A
COMPASS		NZ	X2,SQU1	IF 77 NOT FOLLOWED BY 55	CMP64G	407	A
COMPASS		SB6	B6-B1		CMP64G	408	A
COMPASS		BX6	X6+X5	PACK 77 (SEMICOLON OR PARAMETER MARK)	CMP64G	409	A
COMPASS		NO			CMP64G	410	A
COMPASS		SA5	A5+B1		CMP64G	411	A
COMPASS		EQ	SQU2	GO PACK 55 (BLANK)	CMP64G	412	A
COMPASS					CMP64G	413	A
COMPASS	SQU7	SB6	B6-B1	00 (COLON), PACK 0001	CMP64G	414	A
COMPASS		EQ	SQU5A		CMP64G	415	A
COMPASS					CMP64G	416	A
COMPASS	SQU8	SB6	B6-B1	MORE THAN 64 BLANKS, PACK 0077	CMP64G	417	A
COMPASS		SB5	B5-B1	PACK 00	CMP64G	418	A
COMPASS		NO			CMP64G	419	A
COMPASS		SX5	B4		CMP64G	420	A
COMPASS		NZ	B6,SQU8A	IF WORD NOT FULL	CMP64G	421	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA6	A6+B1			CMP64G	422	A
COMPASS	UX6,B6	X0			CMP64G	423	A
COMPASS	SQU8A	LX6	6	PACK 77	CMP64G	424	A
COMPASS	SB6	B6-B1			CMP64G	425	A
COMPASS	SB5	B5-B4		REDUCE BLANK COUNT	CMP64G	426	A
COMPASS	BX6	X6+X5			CMP64G	427	A
COMPASS	NZ	B6,SQU8B		IF WORD NOT FULL	CMP64G	428	A
COMPASS	SA6	A6+B1			CMP64G	429	A
COMPASS	UX6,B6	X0			CMP64G	430	A
COMPASS	SQU8B	LX6	6		CMP64G	431	A
COMPASS	PL	B5,SQU5		IF AT LEAST ONE MORE BLANK	CMP64G	432	A
COMPASS	SA5	A5-B1			CMP64G	433	A
COMPASS	LX6	-6			CMP64G	434	A
COMPASS	SA2	X5+B7			CMP64G	435	A
COMPASS	EQ	SQU3		GO PROCESS NEXT CHARACTER	CMP64G	436	A
COMPASS					CMP64G	437	A
COMPASS	SQU9	SX1	B6+B6	END OF STATEMENT	CMP64G	438	A
COMPASS		LX2	X1,B1		CMP64G	439	A
COMPASS		IX3	X1+X2		CMP64G	440	A
COMPASS		SX7	-B2		CMP64G	441	A
COMPASS		SB6	X3-6	LEFT-JUSTIFY WORD IN X6	CMP64G	442	A
COMPASS		LX6	X6,B6		CMP64G	443	A
COMPASS		SA7	A7	RESTORE BLANK AFTER LAST COLUMN	CMP64G	444	A
COMPASS		SB7	B6-6		CMP64G	445	A
COMPASS		SA6	A6+B1		CMP64G	446	A
COMPASS		PL	B7,SQU9A	IF AT LEAST 12 ZERO BITS	CMP64G	447	A
COMPASS		BX6	X6-X6		CMP64G	448	A
COMPASS		SA6	A6+B1		CMP64G	449	A
COMPASS	SQU9A	SX6	A6-SQIMAGE+1		CMP64G	450	A
COMPASS		SA6	SQLGN		COMPASS	14704	A
COMPASS		EQ	SQUEEZE	RETURN	COMPASS	14705	A
COMPASS	TLUMIC	SPACE	4		CMP30	4718	A
COMPASS	**	TLUMIC	-	LOOK UP ENTRY IN MICRO TABLE.	CMP30	4719	A
COMPASS	*	ENTRY	(X7)	= MICRO NAME.	CMP30	4720	A
COMPASS	*	EXIT	(B4)	= WORD COUNT OF ENTRY INCLUDING HEADER WORD.	CMP30	4721	A
COMPASS	*		(B4)	= 0 IF MICRO NOT FOUND.	CMP30	4722	A
COMPASS	*		(A2)	= FWA-1 OF ENTRY.	CMP30	4723	A
COMPASS	*	USES	A2, A5, A7, X2, X5, X6, X7, B4, B6.		CMP30	4724	I
COMPASS	-CPS192						
COMPASS	*	USES	A2,A5,A7,X0,X2,X3,X5,X6,X7,B4,B6.		CPS192	7	A
COMPASS	*	CALLS	NONE.		CMP30	4725	A
COMPASS					CMP30	4726	A
COMPASS					CMP30	4727	A
COMPASS	TLUMIC	PS		RETURN EXIT	CMP30	4728	A
COMPASS		SA2	L.MICTAB		CMP30	4729	A
COMPASS		SA5	O.MICTAB		CMP30	4730	A
COMPASS		SB6	X2-1		CMP30	4731	A
COMPASS		SA2	X5+B6		CMP30	4732	A
COMPASS		PX7	X7,B1	STORE NAME TO STOP SEARCH	CMP30	4733	A
COMPASS		SA7	X5		CMP30	4734	A
COMPASS		UX6	X7		CMP30	4735	A
COMPASS	MLU1	UX5,B4	X2	SEARCH MICRO TABLE	CMP30	4736	A

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3

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	MX6	-6			CMP30	4777	I
-CPS010							
COMPASS	BX6	-X6*X2	COLUMN 83		CMP30	4778	I
-CPS010							
COMPASS	BX2	X6-X2	COLUMNS 74-82		CMP30	4779	I
-CPS010							
COMPASS	SX6	X6+8*64	APPEND CHARACTER COUNT		CMP30	4780	I
-CPS010							
COMPASS	BX7	X7+X6			CMP30	4781	I
-CPS010							
COMPASS	SX5	1R	BLANK IN COLUMN 73		CMP30	4782	I
-CPS010							
COMPASS	BX2	X2+X5			CMP30	4783	I
-CPS010							
COMPASS	LX7	-6	COLUMNS 83-90		CMP30	4784	I
-CPS010							
COMPASS	LX2	-6	COLUMNS 73-82		CMP30	4785	I
-CPS010							
COMPASS	SA7	P1TEMPE			CMP30	4786	I
-CPS010							
COMPASS	BX7	X2	STORE MICRO VALUE		CMP30	4787	I
-CPS010							
COMPASS	SA7	A7-B1			CMP30	4788	I
-CPS010							
COMPASS	SA2	A7-B1			CMP30	4789	I
-CPS010							
COMPASS	SB4	B4+B1	WORD COUNT = 3		CMP30	4790	I
-CPS010							
COMPASS	EQ	TLUMIC	RETURN		CMP30	4791	I
-CPS010							
COMPASS					CPS010	78	A
COMPASS	MLU4	BX7	X3	MODIFY	CMP30	4792	A
COMPASS		MX6	-18		CMP30	4793	A
COMPASS		SA7	P1TEMPC	SAVE (X3)	CMP30	4794	A
COMPASS		SB4	B0		CMP30	4795	A
COMPASS		BX0	-X6*X2	SEQUENCE NUMBER	CMP30	4796	A
COMPASS		SA5	=1H		CMP30	4797	A
COMPASS		SA2	=0.1000000001P48		CMP30	4798	A
COMPASS		BX6	X5		CMP30	4799	A
COMPASS		SA5	=10.0P0		CMP30	4800	A
COMPASS		PX0	X0		CMP30	4801	A
COMPASS		BX3	X5		CMP30	4802	A
COMPASS	MLU5	DX5	X0*X2	CONVERT TO DECIMAL	CMP30	4803	A
COMPASS		FX0	X0*X2		CMP30	4804	A
COMPASS		SB6	X0		CMP30	4805	A
COMPASS		LX6	-6		CMP30	4806	A
COMPASS		SB4	B4+6		CMP30	4807	A
COMPASS		FX7	X5*X3		CMP30	4808	A
COMPASS		SX5	X7+1R0-1R		CMP30	4809	A
COMPASS		IX6	X5+X6		CMP30	4810	A
COMPASS		NZ	B6,MLU5	LOOP	CMP30	4811	A
COMPASS		LX6	-6		CMP30	4812	A

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1



LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	*	(OPTYE) EQUALS X6.				COMPASS	14711	I
COMPASS	*	(A2) = LOCATION OF EQUIVALENT IF FOUND.				COMPASS	14712	I
COMPASS	-CPS064					COMPASS	14713	I
COMPASS	-CPS064					COMPASS	14714	I
COMPASS	-CPS064					COMPASS	14715	I
COMPASS	TLUOP2	SA2	A5+B1	FETCH EQUIVALENT		COMPASS	14716	I
COMPASS	-CPS064					COMPASS	14717	I
COMPASS	-CPS064					COMPASS	14718	I
COMPASS	TLUOP	PS	RETURN EXIT			COMPASS	14719	I
COMPASS	-CPS064	PX0	X1			COMPASS	14720	I
COMPASS	-CPS064	SA2	HASH			COMPASS	14721	I
COMPASS	-CPS064	DX3	X0*X2			COMPASS	14722	I
COMPASS	-CPS064	SA5	0.OPTAB			COMPASS	14723	I
COMPASS	-CPS064	SX0	2*NOPCT-2			COMPASS	14724	I
COMPASS	-CPS064	SX6	B0	CLEAR OUT OPERATION CODE ERROR		COMPASS	14725	I
COMPASS	-CPS064	AX3	47-TLUOPSHF			COMPASS	14726	I
COMPASS	-CPS064	BX4	X0*X3			COMPASS	14727	I
COMPASS	-CPS064	SB7	X5			COMPASS	14728	I
COMPASS	-CPS064	MX2	12			COMPASS	14729	I
COMPASS	-CPS064	SA6	OERR			COMPASS	14730	I
COMPASS	TLUOP1	SA5	X4+B7	FETCH NEXT ENTRY IN CHAIN		COMPASS	14731	I
COMPASS	-CPS064	BX6	X2*X5	EXTRACT LINK		COMPASS	14732	I
COMPASS	-CPS064	IX3	X5-X6	ISOLATE ACTUAL SYMBOL		COMPASS	14733	I
COMPASS	-CPS064	BX7	X1-X3			COMPASS	14734	I
COMPASS	-CPS064	LX6	13	POSITION LINK FOR LATER TESTING		COMPASS	14735	I
COMPASS	-CPS064	ZR	X7,TLUOP2	IF MATCH FOUND		COMPASS	14736	I
COMPASS	-CPS064							
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1412THE

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	IX4	X6+X0	CALCULATE ADDRESS OF CHAIN ENTRY	COMPASS	14737	I
COMPASS -CPS064	NZ	X6,TLUOP1		COMPASS	14738	I
COMPASS -CPS064	SA6	OPTYPE		COMPASS	14739	I
COMPASS -CPS064	EQ	TLUOP		COMPASS	14740	I
COMPASS -CPS064	UCARD	SPACE 4		COMPASS	14741	A
COMPASS **	UCARD	- UNPACK CARD.		COMPASS	14742	A
COMPASS *	ENTRY	(X1) = ADDRESS OF IMAGE.		COMPASS	14743	A
COMPASS *		(B4) IS NOT DESTROYED IN THIS ROUTINE.		COMPASS	14744	I
COMPASS -CMP64G						
COMPASS *	EXIT	(X6) = ADDRESS IF NEXT CARD.		COMPASS	14745	I
COMPASS -CMP64G						
COMPASS *	EXIT	(X6) = ADDRESS OF NEXT CARD.		CMP64G	451	A
COMPASS *	THIS ROUTINE SETS UP...			COMPASS	14746	A
COMPASS *	CARD	CONTAINS IMAGE WHICH HAS BEEN UNPACKED		COMPASS	14747	A
COMPASS *	CCT	CONTAINS CARD COUNT.		COMPASS	14748	A
COMPASS *	LASTCOL	CONTAINS LAST COLUMN NUMBER.		COMPASS	14749	A
COMPASS				COMPASS	14750	A
COMPASS				COMPASS	14751	A
COMPASS				COMPASS	14752	I
COMPASS UCARD1	PL	B2,UCARD0	IF OUT OF RANGE OF CARD			
COMPASS -CMP64G						
COMPASS	SA6	B2+B3	STORE CHARACTER	COMPASS	14753	I
COMPASS -CMP64G						
COMPASS	SB2	B2+B1	UP COLUMN COUNT	COMPASS	14754	I
COMPASS -CMP64G						
COMPASS UCARD0	SB6	B6-B1	COUNT OF CHARACTERS LEFT IN X1	COMPASS	14755	I
COMPASS -CMP64G						
COMPASS	LX1	6	EXTRACT CHARACTER	COMPASS	14756	I
COMPASS -CMP64G						
COMPASS	BX6	-X0*X1		COMPASS	14757	I
COMPASS -CMP64G						
COMPASS	IX3	X6+X0		COMPASS	14758	I
COMPASS -CMP64G						
COMPASS +	NZ	B6,*+1		COMPASS	14759	I
COMPASS -CMP64G						
COMPASS	SA1	A1+B1	FETCH NEW SOURCE WORD	COMPASS	14760	I
COMPASS -CMP64G						
COMPASS	SB6	A0		COMPASS	14761	I
COMPASS -CMP64G						
COMPASS	BX4	-X0*X3		COMPASS	14762	I
COMPASS -CMP64G						
COMPASS	NZ	X4,UCARD1	IF NEITHER 00 OR 77	COMPASS	14763	I
COMPASS -CMP64G						
COMPASS	SB6	B6-B1	FETCH NEXT CHARACTER	COMPASS	14764	I
COMPASS -CMP64G						
COMPASS	LX1	6		COMPASS	14765	I
COMPASS -CMP64G						
COMPASS	BX6	-X0*X1		COMPASS	14766	I
COMPASS -CMP64G						
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

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## 1412THE

7



## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SB6	B6-B1		CMP64G	456	A
COMPASS	BX6	-X0*X7		CMP64G	457	A
COMPASS	LX1	6		CMP64G	458	A
COMPASS	NZ	B6,UCARD2	IF NOT END OF WORD	CMP64G	459	A
COMPASS	SB6	A0		CMP64G	460	A
COMPASS	SA1	A1+B1		CMP64G	461	A
COMPASS	UCARD2	NZ	X7,UCARD0 IF NOT 00 NOR 77	CMP64G	462	A
COMPASS	MI	X7,UCARDS	IF 77 (SEMICOLON OR PARAMETER MARK)	CMP64G	463	A
COMPASS	SB6	B6-B1		CMP64G	464	A
COMPASS	LX1	6	00, EXTRACT NEXT CHARACTER	CMP64G	465	A
COMPASS	BX6	-X0*X1		CMP64G	466	A
COMPASS	SB5	X6+B1		CMP64G	467	A
COMPASS	NZ	B6,UCARD3	IF NOT END OF WORD	CMP64G	468	A
COMPASS	SB6	A0		CMP64G	469	A
COMPASS	SA1	A1+B1		CMP64G	470	A
COMPASS	UCARD3	AX6	1	CMP64G	471	A
COMPASS	SB2	B2+B5		CMP64G	472	A
COMPASS	NZ	X6,UCARD1	IF 0002-0077 (3 TO 64 BLANKS)	CMP64G	473	A
COMPASS	SB2	B2-B5		CMP64G	474	A
COMPASS	BX6	X6-X6		CMP64G	475	A
COMPASS	NE	B5,B1,UCARD0	IF 0001, GO STORE 00 (COLON)	CMP64G	476	A
COMPASS				CMP64G	477	A
COMPASS	SB6	A0-B6	0000, END OF STATEMENT	CMP64G	478	A
COMPASS	NG	B2,UCARD4	IF STATEMENT NOT TOO LONG	CMP64G	479	A
COMPASS	SB2	B0		CMP64G	480	A
COMPASS	UCARD4	SB2	B2+71*NCARDS+1 CALCULATE NUMBER OF COLUMNS	CMP64G	481	A
COMPASS		SB3	71	CMP64G	482	A
COMPASS		SX7	B2+B1	CMP64G	483	I
-CPSA175						
COMPASS	SX7	B2		CPSA175	6	A
COMPASS	NZ	X7,UCARD5	IF NOT EMPTY STATEMENT	CMP64G	484	A
COMPASS	SX7	B1		CMP64G	485	A
COMPASS	UCARD5	SB2	B2-B3 CALCULATE NUMBER OF CARDS IN STATEMENT	CMP64G	486	A
COMPASS	SX6	X6+B1		CMP64G	487	A
COMPASS	GT	B2,B3,UCARD5		CMP64G	488	A
COMPASS	SA6	CCT		CMP64G	489	A
COMPASS	SA7	LASTCOL		CMP64G	490	A
COMPASS	SX6	A1+B1	(X6) = FWA NEXT STATEMENT	CMP64G	491	A
COMPASS	NZ	B6,UCARD	IF NOT END OF WORD	CMP64G	492	A
COMPASS	SX6	A1		CMP64G	493	A
COMPASS				CMP64G	494	A
COMPASS	UCARD	PS	RETURN EXIT	CMP64G	495	A
COMPASS	SX6	1R		CMP64G	496	A
COMPASS	BX7	X6		CMP64G	497	A
COMPASS	SA1	X1		CMP64G	498	A
COMPASS	SA4	LASTCOL		CMP64G	499	A
COMPASS	SB7	X4-1		CMP64G	500	A
COMPASS	SA6	STYPE		CMP64G	501	A
COMPASS	MX5	59		CMP64G	502	A
COMPASS	SB6	B1+B1		CMP64G	503	A
COMPASS	SB2	-71*NCARDS-2		CMP64G	504	A
COMPASS	SB3	A6-B2		CMP64G	505	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS		MX0	-6			CMP64G	506	A	
COMPASS	UCARD7	SA7	A6+B1	STORE BLANKS IN CARD AREA		CMP64G	507	A	
COMPASS		SB7	B7-B6			CMP64G	508		I
	-CMP165								
COMPASS		N0				CMP64G	509		I
	-CMP165								
COMPASS		SB7	B7-2			CMP165	190	A	
COMPASS		SA6	A7+B1			CMP64G	510	A	
COMPASS		PL	B7,UCARD7			CMP64G	511	A	
COMPASS		SA0	10			CMP64G	512	A	
COMPASS		SB4	54			CMP64G	513	A	
COMPASS		SB6	A0			CMP64G	514	A	
COMPASS		EQ	UCARD1			CMP64G	515	A	
COMPASS						COMPASS	14807	A	
COMPASS	*		SUSTITUTE PARAMETER.			COMPASS	14808	A	
COMPASS						COMPASS	14809	A	
COMPASS	UCARDS	NZ	B6,*+1	FOR PARAMETER SUBSTITUTION		COMPASS	14810		I
	-CMP64G								
COMPASS		SA1	A1+B1			COMPASS	14811		I
	-CMP64G								
COMPASS		SB6	A0			COMPASS	14812		I
	-CMP64G								
COMPASS	UCARDS	AX7	X1,B4	77, EXTRACT NEXT CHARACTER		CMP64G	516	A	
COMPASS		BX7	-X0*X7			CMP64G	517	A	
COMPASS		ZR	X7,UCARD0	IF 00 (END-OF-LINE OR COLON)		CMP64G	518	A	
COMPASS		SA3	0.STACK			COMPASS	14813	A	
COMPASS		SA4	L.STACK			COMPASS	14814	A	
COMPASS		IX3	X3+X4			COMPASS	14815	A	
COMPASS		ZR	X4,UCARD0	IF NO STACK ENTRY EXISTS		CPS0257	7	A	
COMPASS		SB7	X6-1	PARAMETER NUMBER		COMPASS	14816		I
	-CMP64G								
COMPASS		SB7	X7-1	PARAMETER NUMBER		CMP64G	519	A	
COMPASS		SB5	A0			COMPASS	14817	A	
COMPASS		SA4	X3-3	FETCH SECOND WORD OF STACK ENTRY		COMPASS	14818	A	
COMPASS		SA2	L.MARDIS			COMPASS	14819	A	
COMPASS		SX3	X4+B7			COMPASS	14820	A	
COMPASS		IX2	X3-X2			COMPASS	14821	A	
COMPASS		PL	X2,UCD10	IF PARAMETER ERROR		COMPASS	14822		I
	-CMP64G								
COMPASS		PL	X2,UCARD0	IF PARAMETER NUMBER TOO LARGE		CMP64G	520	A	
COMPASS		SA2	0.MARDIS			COMPASS	14823	A	
COMPASS		IX4	X2+X3			COMPASS	14824		I
	-CMP64G								
COMPASS		SB6	B6-B1	UPDATE SOURCE POINTERS		CMP64G	521	A	
COMPASS		LX1	6			CMP64G	522	A	
COMPASS		NZ	B6,UCD1	IF NOT END OF WORD		CMP64G	523	A	
COMPASS		SB6	A0			CMP64G	524	A	
COMPASS		SA1	A1+B1			CMP64G	525	A	
COMPASS	UCD1	IX4	X2+X3			CMP64G	526	A	
COMPASS		SA3	X4			COMPASS	14825	A	
COMPASS		SA4	0.MARGS			COMPASS	14826	A	
COMPASS		SB7	X3			COMPASS	14827	A	
	0	1	2	3	4	5	6	7	8
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA2	B7+X4	COMPASS	14828	A	
COMPASS	PL	X3,UCARDS1	IF NOT IRP PARAMETER	COMPASS	14829	I
-CMP165						
COMPASS	UX3,B7			CMP165	191	A
COMPASS	PL	B7,UCARDS1	IF NOT IRP PARAMETER	CMP165	192	A
COMPASS				COMPASS	14830	A
COMPASS *	UNPACK	IRP PARAMETER.		COMPASS	14831	A
COMPASS				COMPASS	14832	A
COMPASS	UX3	B5,X3		COMPASS	14833	I
-CMP165						
COMPASS	AX3	18		COMPASS	14834	I
-CMP165						
COMPASS	SB7	X3		COMPASS	14835	I
-CMP165						
COMPASS	SA2	B7+X4		COMPASS	14836	I
-CMP165						
COMPASS	SB7	A0-B5		COMPASS	14837	I
-CMP165						
COMPASS	SX3	B7+B7		COMPASS	14838	I
-CMP165						
COMPASS	SB7	X3+B7		COMPASS	14839	I
-CMP165						
COMPASS	LX2	X2,B7		COMPASS	14840	I
-CMP165						
COMPASS	LX2	X2,B7		COMPASS	14841	I
-CMP165						
COMPASS	SB5	B5-B1		COMPASS	14842	I
-CMP165						
COMPASS	LX2	6		COMPASS	14843	I
-CMP165						
COMPASS	BX6	-X0*X2		COMPASS	14844	I
-CMP165						
COMPASS	NZ	B5,UCD2	IF NOT END OF WORD	COMPASS	14845	I
-CMP165						
COMPASS	LX3	59-41		CMP165	193	A
COMPASS	SB4	X3	(B4) = SHIFT COUNT FOR CURRENT CHARACTER	CMP165	194	A
COMPASS	UX3,B5			CMP165	195	A
COMPASS	SA0	60	(A0) = 60	CMP165	196	A
COMPASS	LX3	41-29		CMP165	197	A
COMPASS	SB5	B5+B7	(B5) = - REMAINING CHARACTER COUNT	CMP165	198	A
COMPASS	UX3,B7			CMP165	199	A
COMPASS	SA2	A2+B7	(X2) = CURRENT WORD OF ARGUMENT	CMP165	200	A
COMPASS	SB4	B4+6		CMP165	201	A
COMPASS	SB5	B5+B1		CMP165	202	A
COMPASS	LX3	X2,B4	GET NEXT CHARACTER	CMP165	203	A
COMPASS	SB7	A0-B4		CMP165	204	A
COMPASS	GT	B5,UCD6	IF PAST END OF ARGUMENT	CMP165	205	A
COMPASS	BX6	-X0*X3		CMP165	206	A
COMPASS	NZ	B7,UCD2	IF NOT END OF WORD	CMP165	207	A
COMPASS	SA2	A2+B1		COMPASS	14846	A
COMPASS	SB5	A0		COMPASS	14847	I
-CMP165						
0	1	2	3	4	5	6
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

1	COMPASS	-CMP165	UCD7	PL	B2,UCD8	IF END OF CARD BUFFER	COMPASS	14873	I	1
2	COMPASS	-CMP165	UCD7	PL	B2,UCD7A	IF END OF CARD BUFFER	CMP165	221	A	2
3	COMPASS			SA6	B2+B3		COMPASS	14874	A	3
4	COMPASS			SB2	B2+B1		COMPASS	14875	A	4
5	COMPASS		UCD8	SB5	B5-B1		COMPASS	14876	I	5
6	COMPASS	-CMP165		LX2	6		COMPASS	14877	I	6
7	COMPASS	-CMP165		BX6	-X0*X2		COMPASS	14878	I	7
8	COMPASS	-CMP165		NZ	B5,UCD9	IF NOT END OF CARD	COMPASS	14879	I	8
9	COMPASS	-CMP165	UCD7A	SB4	B4+6		CMP165	222	A	9
10	COMPASS			SB5	B5+B1		CMP165	223	A	10
11	COMPASS			LX3	X2,B4	GET NEXT CHARACTER	CMP165	224	A	11
12	COMPASS			SB7	A0-B4		CMP165	225	A	12
13	COMPASS			GT	B5,UCD6	IF PAST END OF ARGUMENT	CMP165	226	A	13
14	COMPASS			BX6	-X0*X3		CMP165	227	A	14
15	COMPASS			NZ	B7,UCD8	IF NOT END OF WORD	CMP165	228	A	15
16	COMPASS			SA2	A2+B1		COMPASS	14880	A	16
17	COMPASS			SB5	A0		COMPASS	14881	I	17
18	COMPASS	-CMP165	UCD9	SB7	X6-1R(		COMPASS	14882	I	18
19	COMPASS	-CMP165		ZR	B7,UCD6	IF *(	COMPASS	14883	I	19
20	COMPASS	-CMP165		EQ	B7,B1,UCD6	IF *)*	COMPASS	14884	I	20
21	COMPASS	-CMP165		NZ	X6,UCD7	IF NOT END OF ARGUMENT STRING	COMPASS	14885	I	21
22	COMPASS	-CMP165		EQ	UCARD0		COMPASS	14886	I	22
23	COMPASS	-CMP64G		EQ	UCARD1		CMP64G	529	I	23
24	COMPASS	-CMP165		SB4	B0		CMP165	229	A	24
25	COMPASS		UCD8	SB7	X6-1R(		CMP165	230	A	25
26	COMPASS			ZR	B7,UCD9	IF *(	CMP165	231	A	26
27	COMPASS			NE	B7,B1,UCD7	IF NOT *)*	CMP165	232	A	27
28	COMPASS		UCD9	SB7	B7+B7		CMP165	233	A	28
29	COMPASS			SX3	B1-B7		CMP165	234	A	29
30	COMPASS			IX4	X4+X3		CMP165	235	A	30
31	COMPASS			PL	X4,UCD7	IF STILL WITHIN PARENS	CMP165	236	A	31
32	COMPASS			EQ	UCD4		CMP165	237	A	32
33	COMPASS						COMPASS	14887	A	33
34	COMPASS	*			UNPACK FORMAL PARAMETER.		COMPASS	14888	A	34
35	COMPASS						COMPASS	14889	A	35
36	COMPASS		UCARDS2	PL	B2,#+1		COMPASS	14890	A	36
37	COMPASS			SA6	B2+B3		COMPASS	14891	A	37
38	COMPASS			SB2	B2+B1		COMPASS	14892	A	38
39	COMPASS		UCARDS1	SB5	B5-B1		COMPASS	14893	A	39

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	LX2	6	COMPASS	14894	A			
COMPASS	SB7	B7-B1	CMP165	238	A			
COMPASS	BX6	-X0*X2	COMPASS	14895	A			
COMPASS	NZ	B5,*+1	COMPASS	14896	A			
COMPASS	SA2	A2+B1	COMPASS	14897	A			
COMPASS	SB5	A0	COMPASS	14898	A			
COMPASS	NZ	X6,UCARDS2	COMPASS	14899	I			
-CMP165								
COMPASS	PL	B7,UCARDS2	LOOP TO END OF ARGUMENT	CMP165	239	A		
COMPASS	EQ	UCARD0	COMPASS	14900	I			
-CMP64G								
COMPASS			COMPASS	14901	I			
-CMP64G								
COMPASS	*	PARAMETER ERROR.	COMPASS	14902	I			
-CMP64G								
COMPASS			COMPASS	14903	I			
-CMP64G								
COMPASS	UCD10	BX7	-X0	COMPASS	14904	I		
-CMP64G								
COMPASS	PL	B2,UCARD0	IF OUT OF RANGE	COMPASS	14905	I		
-CMP64G								
COMPASS	SA7	B2+B3	STORE 77	COMPASS	14906	I		
-CMP64G								
COMPASS	SB2	B2+B1	COMPASS	14907	I			
-CMP64G								
COMPASS	EQ	UCARD1	COMPASS	14908	A			
COMPASS	UPC	SPACE	4	COMPASS	14909	I		
-CMP24								
COMPASS	**	UPC - UNPACK CARD.	COMPASS	14910	I			
-CMP24								
COMPASS	*	ENTRY (A5) = WORD ADDRESS.	COMPASS	14911	I			
-CMP24								
COMPASS	*	(X5) = WORD TO UNPACK.	COMPASS	14912	I			
-CMP24								
COMPASS	*	(A6) = STRING BUFFER ADDRESS.	COMPASS	14913	I			
-CMP24								
COMPASS	*	(X7) = EDIT FLAG.	COMPASS	14914	I			
-CMP24								
COMPASS	*	(B7) = NUMBER OF CHARACTERS IN X5.	COMPASS	14915	I			
-CMP24								
COMPASS	*	EXIT (X7) = EDIT FLAG.	COMPASS	14916	I			
-CMP24								
COMPASS	*	(A6) = STRING BUFFER ADDRESS.	COMPASS	14917	I			
-CMP24								
COMPASS	*	(B3) = 10.	COMPASS	14918	I			
-CMP24								
COMPASS	*	(A0), (B2), (X2) ARE PRESERVED.	COMPASS	14919	I			
-CMP24								
COMPASS			COMPASS	14920	I			
-CMP24								
COMPASS			COMPASS	14921	I			
-CMP24								
0	1	2	3	4	5	6	7	8
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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

1	COMPASS	UPC	PS	RETURN EXIT			COMPASS	14922	I	1	
2	COMPASS	-CMP24	SA1	EDITM						2	
3	COMPASS	-CMP24								3	
4	COMPASS		MX3	59						4	
5	COMPASS	-CMP24								5	
6	COMPASS		SB4	-B1						6	
7	COMPASS	-CMP24								7	
8	COMPASS		SB3	10						8	
9	COMPASS	-CMP24								9	
10	COMPASS		SB5	1R						10	
11	COMPASS	-CMP24								11	
12	COMPASS		MX0	60-6						12	
13	COMPASS	-CMP24								13	
14	COMPASS		EQ	UPC3						14	
15	COMPASS	-CMP24								15	
16	COMPASS									16	
17	COMPASS	-CMP24								17	
18	COMPASS	UPC1	LX5	6						18	
19	COMPASS	-CMP24								19	
20	COMPASS		BX3	-X0*X5						20	
21	COMPASS	-CMP24								21	
22	COMPASS		ZR	X3,UPC	IF END OF LINE					22	
23	COMPASS	-CMP24								23	
24	COMPASS	UPC2	SA6	A6+B1	STORE CHARACTER					24	
25	COMPASS	-CMP24								25	
26	COMPASS		SX3	X3+B4						26	
27	COMPASS	-CMP24								27	
28	COMPASS		PL	X3,UPC2	IF FILLING BLANKS					28	
29	COMPASS	-CMP24								29	
30	COMPASS		NZ	B7,UPC3	IF NOT END OF WORD					30	
31	COMPASS	-CMP24								31	
32	COMPASS		SA5	A5+B1						32	
33	COMPASS	-CMP24								33	
34	COMPASS		SB7	B3						34	
35	COMPASS	-CMP24								35	
36	COMPASS	UPC3	SB6	X6	CHECK FOR MICRO/CONCATENATION					36	
37	COMPASS	-CMP24								37	
38	COMPASS		LX5	6						38	
39	COMPASS	-CMP24								39	
40	COMPASS		BX6	-X0*X5						40	
41	COMPASS	-CMP24								41	
42	COMPASS		LX4	X1,B6						42	
43	COMPASS	-CMP24								43	
44	COMPASS		SB7	B7-B1						44	
45	COMPASS	-CMP24								45	
46	COMPASS		BX7	X7+X4						46	
47	COMPASS	-CMP24								47	
48	COMPASS		NZ	X6,UPC2	IF NOT 00 CHARACTER					48	
49	COMPASS	-CMP24								49	
50	COMPASS		SX6	B5						50	
51	COMPASS	-CMP24								51	
52											52
53	0 1 2 3 4 5 6 7 8										53
54	123456789012345678901234567890123456789012345678901234567890										54
55											55
56											56
57											57
58											58
59											59
60											60

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SB7	B7-B1	COMPASS	14948	I		
COMPASS	-CMP24	PL	B7,UPC1	IF NOT END OF WORD	COMPASS	14949	I
COMPASS	-CMP24	SA5	A5+B1	COMPASS	14950	I	
COMPASS	-CMP24	SB7	B3-B1	COMPASS	14951	I	
COMPASS	-CMP24	EQ	UPC1	LOOP	COMPASS	14952	I
COMPASS	WINTER	SPACE 4	COMPASS	14953	A		
COMPASS	**	WINTER - WRITE INTERMEDIATE FILE.	COMPASS	14954	A		
COMPASS	*	THIS ROUTINE ADDS A STATEMENT TO THE INTERMEDIATE FILE OR	COMPASS	14955	A		
COMPASS	*	INTERMEDIATE TABLE.	COMPASS	14956	A		
COMPASS	*	INTERMEDIATE FILE FORMAT:	COMPASS	14957	A		
COMPASS	*		COMPASS	14958	A		
COMPASS	*	OPTYPE	3/TYPE,11/,1/SF,1/FF,1/IF,2/,7/LGTH,4/CCT,30/IMAGE	COMPASS	14959	I	
COMPASS	-CMP24						
COMPASS	*	OPTYPE	3/TYPE,10/,1/TW,1/SF,1/FF,1/IF,2/,7/L,4/CCT,30/BIN	CMP24	493	A	
COMPASS	*	IND	22/,8/FLAGS,12/,18/EFLAGS	COMPASS	14960	A	
COMPASS	*	FLAG	60/FLAG	COMPASS	14961	A	
COMPASS	*	SEQUENCE	12/,48/NAME	COMPASS	14962	A	
COMPASS	*		60/NUMBER	COMPASS	14963	A	
COMPASS	*	CARD	60/CARD	COMPASS	14964	A	
COMPASS	*			COMPASS	14965	A	
COMPASS	*		TYPE = OPERATION TYPE.	COMPASS	14966	A	
COMPASS	*		SF = SEQUENCE NUMBERS PRESENT.	COMPASS	14967	I	
COMPASS	-CMP24						
COMPASS	*		TW = TWO-WORD SEQUENCE FIELD(S) PRESENT.	CMP24	494	A	
COMPASS	*		SF = SEQUENCE FIELD PRESENT FOR EACH CARD.	CMP24	495	A	
COMPASS	*		FF = FLAG PRESENT.	COMPASS	14968	A	
COMPASS	*		IF = IND PRESENT.	COMPASS	14969	A	
COMPASS	*		LGTH = LENGTH OF COMPRESSED RECORD.	COMPASS	14970	I	
COMPASS	-CMP24						
COMPASS	*		L = LENGTH OF COMPRESSED RECORD.	CMP24	496	A	
COMPASS	*		CCT = NUMBER OF CARDS.	COMPASS	14971	A	
COMPASS	*		IMAGE = INFORMATION FROM PASS 1 PROCESSOR.	COMPASS	14972	I	
COMPASS	-CMP24						
COMPASS	*		BIN = INFORMATION FROM PASS 1 PROCESSOR.	CMP24	497	A	
COMPASS	*		FLAGS = 200 NOAS	COMPASS	14973	A	
COMPASS	*		100 TXTFLG	COMPASS	14974	A	
COMPASS	*		040 MICFLG	COMPASS	14975	A	
COMPASS	*		020 SYSFLG	COMPASS	14976	A	
COMPASS	*		010 MACFLG	COMPASS	14977	A	
COMPASS	*		004 ECHFLG	COMPASS	14978	A	
COMPASS	*		002 RMTFLG	COMPASS	14979	A	
COMPASS	*		001 LIMFLG	COMPASS	14980	A	
COMPASS				COMPASS	14981	A	
COMPASS				COMPASS	14982	A	
COMPASS	*		TABLE JUST OVERFLOWED.	COMPASS	14983	A	
COMPASS				COMPASS	14984	A	
COMPASS	WIN7	SX6	B0	CLEAR INTERMEDIATE FILE TABLE	COMPASS	14985	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA6	L.INTER	COMPASS	14986	A
COMPASS			COMPASS	14987	A
COMPASS *		WRITE INFORMATION ON SCRATCH FILE.	COMPASS	14988	A
COMPASS			COMPASS	14989	A
COMPASS			CMP30	4855	A
COMPASS RM	IFEQ	CP#RM,0	CMP30	4856	A
COMPASS WIN8	WRITEW	S,B6,B7-B6	COMPASS	14990	A
COMPASS RM	ELSE		CMP30	4857	A
COMPASS WIN8	SX3	B7-B6	CMP30	4858	A
COMPASS	IX4	X3+X3	CMP30	4859	A
COMPASS	LX3	3	CMP30	4860	A
COMPASS	IX2	X3+X4	CMP30	4861	A
COMPASS	SX1	B6	CMP30	4862	A
COMPASS	PUT	S,X1,X2	CMP30	4863	A
COMPASS RM	ENDIF		CMP30	4864	A
COMPASS			CMP30	4865	A
COMPASS	SA1	SQLGN	COMPASS	14991	A
COMPASS			CMP30	4866	A
COMPASS RM	IFEQ	CP#RM,0	CMP30	4867	A
COMPASS	WRITEW	S,SQIMAGE,X1	COMPASS	14992	A
COMPASS RM	ELSE		CMP30	4868	A
COMPASS	IX2	X1+X1	CMP30	4869	A
COMPASS	LX1	3	CMP30	4870	A
COMPASS	IX1	X1+X2	CMP30	4871	A
COMPASS	PUT	S,SQIMAGE,X1	CMP30	4872	A
COMPASS RM	ENDIF		CMP30	4873	A
COMPASS			COMPASS	14993	A
COMPASS WINTER	PS	RETURN EXIT	COMPASS	14994	A
COMPASS	SA1	STCNT INCREMENT STATEMENT COUNT	COMPASS	14995	A
COMPASS	SX6	B1	COMPASS	14996	A
COMPASS	IX6	X6+X1	COMPASS	14997	A
COMPASS	SA6	A1	COMPASS	14998	A
COMPASS	SA2	IFCNT SET NOAS (NO ASSEMBLY FLAG) IF IFCNT .NE. 0	COMPASS	14999	A
COMPASS	SX6	B0	COMPASS	15000	A
COMPASS	ZR	X2,WIN1 IF NOT IF SKIPPING	COMPASS	15001	A
COMPASS	SA2	LF+1	COMPASS	15002	A
COMPASS	ZR	X2,WINTER IF NOT LISTING IF-SKIPPED LINES	COMPASS	15003	A
COMPASS	SX6	B1	COMPASS	15004	A
COMPASS WIN1	SA6	NOAS	COMPASS	15005	A
COMPASS	RJ	SQUEEZE COMPRESS LINE	COMPASS	15006	A
COMPASS	SB6	SEQ-1	COMPASS	15007	A
COMPASS	SB7	SEQ	COMPASS	15008	A
COMPASS	SA2	FLAG CHECK FLAG WORD	COMPASS	15009	A
COMPASS	SX5	B1	COMPASS	15010	A
COMPASS	LX5	44	COMPASS	15011	A
COMPASS	SA1	OPTYPE	COMPASS	15012	A
COMPASS	MX0	18	COMPASS	15013	A
COMPASS	BX7	X2	COMPASS	15014	A
COMPASS	SA7	B6	COMPASS	15015	A
COMPASS	LX0	48	COMPASS	15016	A
COMPASS	BX0	-X0*X1 (X0) = OPTYPE	COMPASS	15017	A
COMPASS +	ZR	X2,*+1 IF NO FLAG	COMPASS	15018	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

1	COMPASS		BX0	X0+X5		COMPASS	15019	A		1	
2	COMPASS		SB6	B6-B1		COMPASS	15020	A		2	
3	COMPASS		MX6	0	FETCH CONTROL FLAGS	COMPASS	15021	A		3	
4	COMPASS		SB5	LIBFLG-NOAS		COMPASS	15022	A		4	
5	COMPASS	WIN2	SA1	NOAS		COMPASS	15023	A		5	
6	COMPASS		SB5	B5-B1		COMPASS	15024	A		6	
7	COMPASS		IX4	X6+X6		COMPASS	15025	A		7	
8	COMPASS		BX6	X4+X1		COMPASS	15026	A		8	
9	COMPASS		SA1	A1+B1		COMPASS	15027	A		9	
10	COMPASS		PL	B5,WIN2	LOOP	COMPASS	15028	A		10	
11	COMPASS		SA1	EFLG		COMPASS	15029	A		11	
12	COMPASS		LX6	30		COMPASS	15030	A		12	
13	COMPASS		ZR	X1,WIN4	IF NO ERROR FLAGS	COMPASS	15031	A		13	
14	COMPASS		SB5	LEFLG-1		COMPASS	15032	A		14	
15	COMPASS	WIN3	SA1	ERFLAGS		COMPASS	15033	A		15	
16	COMPASS		LX4	X1,B5		COMPASS	15034	A		16	
17	COMPASS		SB5	B5-B1		COMPASS	15035	A		17	
18	COMPASS		SA1	A1+B1		COMPASS	15036	A		18	
19	COMPASS		BX6	X6+X4		COMPASS	15037	A		19	
20	COMPASS	WIN4	PL	B5,WIN3	LOOP	COMPASS	15038	A		20	
21	COMPASS		AX5	-43+44		COMPASS	15039	A		21	
22	COMPASS		SA6	B6		COMPASS	15040	A		22	
23	COMPASS		SA1	CCT	CHECK SEQUENCE FIELDS	COMPASS	15041	A		23	
24	COMPASS	+	ZR	X6,*+1	IF NO IND	COMPASS	15042	A		24	
25	COMPASS		BX0	X0+X5		COMPASS	15043	A		25	
26	COMPASS		SB6	B6-B1		COMPASS	15044	A		26	
27	COMPASS		SA2	AMODE		COMPASS	15045		I	27	
28	COMPASS	-CMP24								28	
29	COMPASS		BX6	X1		COMPASS	15046		I	29	
30	COMPASS	-CMP24								30	
31	COMPASS		LX6	30		COMPASS	15047		I	31	
32	COMPASS	-CMP24								32	
33	COMPASS		SB7	B7+B1		COMPASS	15048		I	33	
34	COMPASS	-CMP24								34	
35	COMPASS		IX0	X0+X6		COMPASS	15049		I	35	
36	COMPASS	-CMP24								36	
37	COMPASS		NZ	X2,WIN6	IF A-MODE	COMPASS	15050		I	37	
38	COMPASS	-CMP24								38	
39	COMPASS		SB5	X1		COMPASS	15051		I	39	
40	COMPASS	-CMP24								40	
41	COMPASS		SA3	L.STACK		CMP24	498	A		41	
42	COMPASS		SA2	AMODE		CMP24	499		I	42	
43	COMPASS	-CMP30								43	
44	COMPASS		SA2	CP.IFORM		CMP30	4874	A		44	
45	COMPASS		BX6	X1		CMP24	500	A		45	
46	COMPASS		SB4	B1+B1		CMP24	501	A		46	
47	COMPASS		SX5	B1+B1		CMP24	502	A		47	
48	COMPASS		LX6	30		CMP24	503	A		48	
49	COMPASS		SX3	X3-4		CMP24	504		I	49	
50	COMPASS	-CPS004								50	
51	COMPASS		BX0	X0+X6		CMP24	505	A		51	
52	COMPASS		LX2	59		CMP24	506	A		52	
53		0	1	2	3	4	5	6	7	8	53
54		1234567890123456789012345678901234567890123456789012345678901234567890									54
55											55
56											56
57											57
58											58
59											59
60											60



## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	MI	X3,WIN4A	IF L.STACK = 0	CMP24	507	I	
1	COMPASS	-CPS004	NZ	X3,WIN6	IF GENERATED STATEMENT	CMP24	508	A
2	COMPASS		MX3	2		CMP24	509	I
3		-CPS004	BX4	X3*X0		CMP24	510	I
4	COMPASS	-CPS004	BX3	X3-X4		CMP24	511	I
5		-CPS004	NZ	X3,WIN6	IF NOT MACRO/OPDEF CALL AT LEVEL 0	CMP24	512	I
6	COMPASS	-CPS004	SB4	X1		CMP24	513	I
7		-CPS004	SB4	X1	S004 114 CPS004	78	A	
8	COMPASS		SX5	B1		CMP24	514	A
9	COMPASS		MI	X2,WIN6	IF MODIFY COMPRESSED INPUT	CMP24	515	A
10						CMP24	516	A
11	COMPASS		SB5	X1	CHECK FOR SEQUENCE FIELDS ALL BLANK	CMP24	517	A
12	COMPASS		MX1	0		COMPASS	15052	A
13	COMPASS		SA2	=8R		COMPASS	15053	A
14	COMPASS		SB4	B5+B5		COMPASS	15054	A
15	COMPASS		SA3	=10R		COMPASS	15055	A
16			SA4	SEQ		COMPASS	15056	A
17	COMPASS		SA5	A4+B1		COMPASS	15057	A
18	COMPASS		SB7	B7-B1		COMPASS	15058	I
19		-CMP24	BX6	X2-X4		COMPASS	15059	A
20	COMPASS	WIN5	SA4	A5+B1		COMPASS	15060	A
21			BX7	X3-X5		COMPASS	15061	A
22	COMPASS		SA5	A4+B1		COMPASS	15062	A
23	COMPASS		SB5	B5-B1		COMPASS	15063	A
24			BX6	X6+X7		COMPASS	15064	A
25	COMPASS		BX1	X1+X6		COMPASS	15065	A
26	COMPASS		NZ	B5,WIN5	LOOP TO CHECK ALL CARDS	COMPASS	15066	A
27			SX5	B1		COMPASS	15067	I
28		-CMP24	LX5	45		COMPASS	15068	I
29	COMPASS	-CMP24	ZR	X1,WIN6	IF SEQUENCE FIELDS BLANK	COMPASS	15069	I
30		-CMP24						
31	COMPASS		BX0	X0+X5		COMPASS	15070	I
32		-CMP24	SB7	B7+B4		COMPASS	15071	I
33	COMPASS	-CMP24	SA1	SQLGN	SET RECORD LENGTH IN OPTYPE	COMPASS	15072	I
34		WIN6						
35		-CMP24	ZR	X1,WIN6A	IF SEQUENCE FIELDS ALL BLANK	CMP24	518	A
36	COMPASS		SX5	3		CMP24	519	A
37	COMPASS	WIN6	LX5	45		CMP24	520	A
38			SB7	B7+B4		CMP24	521	A
39	COMPASS		BX0	X0+X5		CMP24	522	A
40	COMPASS	WIN6A	SA1	SQLGN	SET RECORD LENGTH IN OPTYPE	CMP24	523	A
41								
42		0	1	2	3	4	5	6
43		1234567890123456789012345678901234567890123456789012345678901234567890						
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS		SB5	B7-B6		COMPASS	15073	A	
1	COMPASS		SX7	X1+B5		COMPASS	15074	A	1
2	COMPASS		LX7	34		COMPASS	15075	A	2
3	COMPASS		BX6	X0+X7		COMPASS	15076	A	3
4	COMPASS		SA2	INTERIO	CHECK INTERMEDIATE	COMPASS	15077	A	5
5	COMPASS		SA6	B6	STORE OPTYPE	COMPASS	15078	A	6
6	COMPASS		NZ	X2,WIN8	IF INTERMEDIATE ON DISK	COMPASS	15079	A	7
7	COMPASS		SX6	B6		COMPASS	15080	A	8
8	COMPASS		SX7	B5		COMPASS	15081	A	9
9	COMPASS		SA6	WINA		COMPASS	15082	A	10
10	COMPASS		SA7	A6+B1		COMPASS	15083	A	11
11	COMPASS		MANAGE	INTER,X1+B5	AUGMENT INTERMEDIATE	COMPASS	15084	A	12
12	COMPASS		SA1	INTERIO		COMPASS	15085	A	13
13	COMPASS		SA4	WINA		COMPASS	15086	A	14
14	COMPASS		SA5	A4+B1		COMPASS	15087	A	15
15	COMPASS		SB6	X4		COMPASS	15088	A	16
16	COMPASS		SB7	X5+B6		COMPASS	15089	A	17
17	COMPASS		IX6	X3+X2		COMPASS	15090	A	18
18	COMPASS		NZ	X1,WIN7	IF TABLE JUST OVERFLOWED	COMPASS	15091	A	19
19	COMPASS		SA1	SQLGN		COMPASS	15092	A	20
20	COMPASS		IX3	X6-X1		COMPASS	15093	A	21
21	COMPASS		IX2	X3-X5		COMPASS	15094	A	22
22	COMPASS	+	SA4	B6	MOVE FLAGS AND SEQUENCE FIELDS	COMPASS	15095	A	23
23	COMPASS		SB6	B6+B1		COMPASS	15096	A	24
24	COMPASS		BX6	X4		COMPASS	15097	A	25
25	COMPASS		SA6	X2		COMPASS	15098	A	26
26	COMPASS		SX2	X2+B1		COMPASS	15099	A	27
27	COMPASS		NE	B6,B7,*-1	LOOP	COMPASS	15100	A	28
28	COMPASS		SX2	SQIMAGE	MOVE PACKED IMAGE INTO TABLE	COMPASS	15101	A	29
29	COMPASS		RJ	MOVE		COMPASS	15102	A	30
30	COMPASS		EQ	WINTER	RETURN	COMPASS	15103	A	31
31	COMPASS					COMPASS	15104	A	32
32	COMPASS	WINA	BSS	2		COMPASS	15105	A	33
33	COMPASS	YDEFLOC	SPACE	4		COMPASS	15106	A	34
34	COMPASS	**		YDEFLOC	- DEFINE LOCATION SYMBOL.	COMPASS	15107	A	35
35	COMPASS	*			NULL ACTION IF BAD SYMBOL OR EMPTY SYMBOL.	COMPASS	15108	A	36
36	COMPASS	*		ENTRY	(X2) = VALUE.	COMPASS	15109	A	37
37	COMPASS	*			(X3) = RELOCATION.	COMPASS	15110	A	38
38	COMPASS	*			(X4) = EXTERNAL NUMBER.	COMPASS	15111	A	39
39	COMPASS	*			(X5) = REDEFINITION FLAG.	COMPASS	15112	A	40
40	COMPASS					COMPASS	15113	A	41
41	COMPASS					COMPASS	15114	A	42
42	COMPASS	YDEFLOC1	SX6	B1	COMPLAIN ABOUT BAD LOCATION SYMBOL	COMPASS	15115	A	43
43	COMPASS		SA6	EFLG		COMPASS	15116	A	44
44	COMPASS		SA6	W1ERR		COMPASS	15117	A	45
45	COMPASS					COMPASS	15118	A	46
46	COMPASS	YDEFLOC	PS		RETURN EXIT	COMPASS	15119	A	47
47	COMPASS		SA1	BADLOC	CHECK FOR BAD SYMBOL	COMPASS	15120	A	48
48	COMPASS		NZ	X1,YDEFLOC1		COMPASS	15121	A	49
49	COMPASS		SA1	LOCSYM		COMPASS	15122	A	50
50	COMPASS		RJ	YDEFSYM	GO DEFINE SYMBOL	COMPASS	15123	A	51
51	COMPASS		EQ	YDEFLOC		COMPASS	15124	A	52

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	NZ	X3,YDEFSYM4	DONT BOTHER IF PP CODE OR	CMP27	30	A
COMPASS	NZ	X4,YDEFSYM4	IF ASSEMBLING SYSTEM TEXT	CMP27	31	A
COMPASS	+	NG	B7,*+1 IF FIRST LETTER IS A OR B	COMPASS	15174	A
COMPASS	NZ	B6,YDEFSYM4	IF FIRST LETTER IS NOT X	COMPASS	15175	A
COMPASS	AX1	48	CHECK ON SECOND LETTER	COMPASS	15176	A
COMPASS	IX2	X1-X2		COMPASS	15177	A
COMPASS	SB7	X2-1R0		COMPASS	15178	A
COMPASS	SB6	X2-1R8		CMP22	3	A
COMPASS	SX5	X2-1R.		CMP22	4	A
COMPASS	SA1	A6	RECLAIM RIGHT-JUSTIFIED SYMBOL	CMP22	5	A
COMPASS	MX0	48		CMP22	6	A
COMPASS	NG	B7,YDEFSYM4		COMPASS	15179	A
COMPASS	SB6	X2-1R7		COMPASS	15180	I
-CMP22						
COMPASS	SB7	X2-1R.		COMPASS	15181	I
-CMP22						
COMPASS	MX0	48		COMPASS	15182	I
-CMP22						
COMPASS	LT	B6,B1,YDEFSYM3		COMPASS	15183	I
-CMP22						
COMPASS	ZR	B7,YDEFSYM2		COMPASS	15184	I
-CMP22						
COMPASS	PL	B6,YDEFSYM3	IF 2ND CHAR NOT 0-7	CMP22	7	A
COMPASS	BX5	X0*X1		CMP22	8	A
COMPASS	YDEFSYM3	NZ	X5,YDEFSYM4 IF MORE THAN 2 CHARS OR 2ND CHAR NOT *.*	CMP22	9	A
COMPASS	SX6	B1		CMP22	10	A
COMPASS	SA6	EFLG	COMPLAIN ABOUT REGISTER SYMBOL	CMP22	11	A
COMPASS	SA6	W1ERR		CMP22	12	A
COMPASS	YDEFSYM4	SA1	YDEFSYMT	COMPASS	15185	A
COMPASS	RJ	TLUSYMT	LOOK UP SYMBOL	COMPASS	15186	A
COMPASS	NZ	X2,YDEFSYM5	IF DEFINED	COMPASS	15187	I
-CMP19						
COMPASS	NZ	X3,YDEFSYM5	IF FOUND	CMP19	334	A
COMPASS	YDS4	SA2	YDEFSYMT+1	COMPASS	15188	A
COMPASS	RJ	ENTSYMT	ENTER SYMBOL	COMPASS	15189	A
COMPASS	MX6	0		CMP25	78	A
COMPASS	EQ	YDEFSYM		COMPASS	15190	A
COMPASS	YDEFSYM5	SA4	X3-1 CHECK QUALIFIER VALUE	COMPASS	15191	I
-CP096A						
COMPASS	YDEFSYM5	SX0	X3-1 CHECK QUALIFIER VALUE	CP096A	507	A
COMPASS	RX4	X0		CP096A	508	A
COMPASS	BX6	X4-X5		COMPASS	15192	A
COMPASS	NZ	X6,YDS4	IF NOT SAME QUALIFIER	COMPASS	15193	A
COMPASS	LX2	59-33		COMPASS	15194	I
-CMP19						
COMPASS	NG	X2,YDEFSYM6	JUMP IF REDEFINED SYMBOL	COMPASS	15195	I
-CMP19						
COMPASS	YDEFSYM7	SA2	X3 FETCH EQUIVALENT FROM SYMTAB	COMPASS	15196	I
-CMP19						
COMPASS	SA4	YDEFSYMT+1		COMPASS	15197	I
-CMP19						
COMPASS	BX6	X2-X4		COMPASS	15198	I
0	1	2	3	4	5	6
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP19

1	COMPASS	SA5	=737777777777B	COMPASS	15199	I	
2	-CMP19	-CMP6					
3	COMPASS	SA5	=537777777777B	CMP6	81	I	
4	-CMP19						
5	COMPASS	LX2	59-30	CMP19	335	A	
6	COMPASS	NG	X2,YDS5 IF DEFINED	CMP19	336	A	
7	COMPASS	LX2	30-59	CMP19	337	A	
8	COMPASS	SA1	YDEFSYMT+1	CMP19	338	I	
9	-CMP041						
10	COMPASS	SA4	YDEFSYMT+1	CMP041	51	A	
11	COMPASS	MX5	28	CMP19	339	A	
12	COMPASS	BX6	X5*X2	CMP19	340	A	
13	COMPASS	BX6	X6+X1 STORE VALUE	CMP19	341	I	
14	-CMP041						
15	COMPASS	BX6	X6+X4 STORE VALUE	CMP041	52	A	
16	COMPASS	SA6	X3	CMP19	342	I	
17	-CP096A						
18	COMPASS	WX6	X3	CP096A	509	A	
19	COMPASS	MX6	0	CMP25	79	A	
20	COMPASS	EQ	YDEFSYM	CMP19	343	A	
21	COMPASS	YDS5	LX2 30-33	CMP19	344	A	
22	COMPASS	NG	X2,YDEFSYM6 IF REDEFINABLE SYMBOL	CMP19	345	A	
23	COMPASS	YDEFSYM7	SA4 YDEFSYMT+1	CMP19	346	A	
24	COMPASS	SA5	=137777777777B	CMP19	347	A	
25	COMPASS	LX2	33-59	CMP19	348	A	
26	COMPASS	BX6	X2-X4	CMP19	349	A	
27	COMPASS	BX5	X5*X6	COMPASS	15200	A	
28	COMPASS	SX6	B1	COMPASS	15201	A	
29	COMPASS	ZR	X5,YDEFSYM EXIT IF NEW VALUE EQUALS OLD	COMPASS	15202	A	
30	COMPASS	SA6	DERR	COMPASS	15203	A	
31	COMPASS	SA6	EFLG	COMPASS	15204	A	
32	COMPASS	EQ	YDEFSYM	COMPASS	15205	A	
33	COMPASS	YDEFSYM6	SA2 YDEFSYMT+1	COMPASS	15206	I	
34	-CMP054						
35	COMPASS	LX2	59-33 CHECK THAT THE NEW SYMBOL IS RDF ALSO	COMPASS	15207	I	
36	-CMP054						
37	COMPASS	PL	X2,YDEFSYM7	COMPASS	15208	I	
38	-CMP054						
39	COMPASS	YDEFSYM6	SA4 YDEFSYMT+1 OLD SYMBOL IS REDEFINABLE, CHECK NEW	P054 7	CMP054	1	A
40	COMPASS	SA5	X3	P054 8	CMP054	2	I
41	-CP096A						
42	COMPASS	RX5	X3	CP096A	510	A	
43	COMPASS	LX4	59-33	P054 9	CMP054	3	A
44	COMPASS	PL	X4,YDEFSYM7 IF NOT ALSO REDEFINABLE	P054 10	CMP054	4	A
45	COMPASS	SA2	A2 RESET DEFINITION	COMPASS	15209	I	
46	-CMP19						
47	COMPASS	MX0	25 RESET DEFINITION	CMP19	350	A	
48	COMPASS	SA4	X3	COMPASS	15210	I	
49	-CMP054						
50	COMPASS	MX0	18	COMPASS	15211	I	
51	-CMP19						
52							
53	0	1	2	3	4	5	6
54	123456789012345678901234567890123456789012345678901234567890						
55							
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	LX2	33-59						CMP19	351	I
-CMP054										
COMPASS	BX6	X0*X4						COMPASS	15212	I
-CMP054										
COMPASS	BX6	X6+X2						COMPASS	15213	I
-CMP054										
COMPASS	LX4	33-59	RESTORE NEW VALUE		P054	13	CMP054	5	A	
COMPASS	BX6	X0*X5			P054	14	CMP054	6	A	
COMPASS	BX6	X6+X4			P054	15	CMP054	7	A	
COMPASS	SA6	X3					COMPASS	15214	I	
-CP096A										
COMPASS	WX6	X3					CP096A	511	A	
COMPASS	MX6	0					CMP25	80	A	
COMPASS	EQ	YDEFSYM					COMPASS	15215	A	
COMPASS	YDEFSYM3	SA1	A6	RECLAIM RIGHT ADJUSTED SYMBOL			COMPASS	15216	I	
-CMP22										
COMPASS	BX5	X0*X1	CHECK THAT IT IS TWO-LETTERS LONG				COMPASS	15217	I	
-CMP22										
COMPASS	NZ	X5,YDEFSYM4					COMPASS	15218	I	
-CMP22										
COMPASS	YDEFSYM2	SX6	B1	COMPLAIN ABOUT BAD LOCATION SYMBOL			COMPASS	15219	A	
COMPASS		SA6	EFLG				COMPASS	15220	A	
COMPASS		SA6	W1ERR				COMPASS	15221	A	
COMPASS		EQ	YDEFSYM				COMPASS	15222	A	
COMPASS							COMPASS	15223	A	
COMPASS	YDEFSYMT	BSS	2				COMPASS	15224	A	
COMPASS	YEVITEM	SPACE	4				COMPASS	15225	A	
COMPASS	**	YEVITEM	- EVALUATE ITEM.				COMPASS	15226	A	
COMPASS	*	MANY ERRORS NOTED HERE.					COMPASS	15227	A	
COMPASS	*	ENTRY (X1) = FIELD LENGTH.					COMPASS	15228	A	
COMPASS	*	EXIT (ELVAL) = VALUE.					COMPASS	15229	A	
COMPASS	*	(ELREL) = RELOCATION.					COMPASS	15230	A	
COMPASS	*	(ELEXT) = EXTERNAL NUMBER.					COMPASS	15231	A	
COMPASS	*	(ELREG) = REGISTER.					COMPASS	15232	A	
COMPASS							COMPASS	15233	A	
COMPASS							COMPASS	15234	A	
COMPASS	YEVITEM	PS	RETURN EXIT				COMPASS	15235	A	
COMPASS	BX6	X1	SAVE FIELD LENGTH				COMPASS	15236	A	
COMPASS	SA6	YEVITFL					COMPASS	15237	A	
COMPASS	MX6	0					COMPASS	15238	A	
COMPASS	BX7	X7-X7					COMPASS	15239	A	
COMPASS	SA6	ELVAL	CLEAR OUT REPLY CELLS				COMPASS	15240	A	
COMPASS	SA7	A6+B1					COMPASS	15241	A	
COMPASS	SA6	A7+B1					COMPASS	15242	A	
COMPASS	SA7	A6+B1					COMPASS	15243	A	
COMPASS	SA1	YEVITEMN	SET EXIT SWITCH FOR NORMAL EXIT				COMPASS	15244	A	
COMPASS	BX6	X1					COMPASS	15245	A	
COMPASS	SA6	YEVITEMS					COMPASS	15246	A	
COMPASS	SA1	CHAR					COMPASS	15247	A	
COMPASS	SA2	MACHINE					COMPASS	15248	A	
COMPASS	SB7	X1-3					COMPASS	15249	A	
COMPASS	NZ	X2,YEVIT10	JUMP IF PP TO IGNORE REGISTER CHECKS				COMPASS	15250	A	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS		NG	B7,YEVIT500 IF FIRST LETTER IS A OR B	COMPASS	15251	A
1	COMPASS		SB7	X1-1RX	COMPASS	15252	A
2	COMPASS		EQ	B7,YEVIT500 IF FIRST LETTER IS X	COMPASS	15253	A
3	COMPASS	YEVI10	SB7	X1-1RZ-1	COMPASS	15254	A
4	COMPASS		NG	B7,YEVIT21 JUMP IF LETTER	COMPASS	15255	A
5	COMPASS		SB7	X1-1R9-1	COMPASS	15256	A
6	COMPASS		NG	B7,YEVIT100 IF DIGIT	COMPASS	15257	A
7	COMPASS		SB7	X1-1R/	COMPASS	15258	A
8	COMPASS		ZR	B7,YEVIT300 IF SLASH	COMPASS	15259	A
9	COMPASS		SB7	X1-1R=	COMPASS	15260	A
10	COMPASS		ZR	B7,YEVIT400 IF EQUALS SIGN	COMPASS	15261	A
11	COMPASS		SB7	X1-1R*	COMPASS	15262	A
12	COMPASS		ZR	B7,YEVIT200 IF ASTERISK	COMPASS	15263	A
13	COMPASS		SB7	X1-1R\$	COMPASS	15264	A
14	COMPASS		EQ	B7,YEVIT250 IF DOLLAR SIGN	COMPASS	15265	A
15	COMPASS				COMPASS	15266	A
16	COMPASS	*		ALPHABETIC CHARACTER LEADS THE ELEMENT.	COMPASS	15267	A
17	COMPASS				COMPASS	15268	A
18	COMPASS	YEVI21	RJ	SCITEM	COMPASS	15269	A
19	COMPASS	YEVI22	BX1	X6	COMPASS	15270	A
20	COMPASS		ZR	X1,YEVITER COMPLAIN ABOUT EMPTY SYMBOL	COMPASS	15271	A
21	COMPASS		RJ	YTLUSYM LOOK UP SYMBOL	COMPASS	15272	A
22	COMPASS		EQ	YEVITEMS AND GO TO EXIT SWITCH	COMPASS	15273	A
23	COMPASS				COMPASS	15274	A
24	COMPASS	*		ASTERISK.	COMPASS	15275	A
25	COMPASS				COMPASS	15276	A
26	COMPASS	YEVI200	RJ	SCITEM	COMPASS	15277	A
27	COMPASS		SB7	X6-1R*	COMPASS	15278	A
28	COMPASS		SB6	X6-2R*L	COMPASS	15279	A
29	COMPASS		SB5	X6-2R*0	COMPASS	15280	A
30	COMPASS		ZR	B7,YEVIT210 IF ASTERISK	COMPASS	15281	A
31	COMPASS		ZR	B6,YEVIT210 IF *L	COMPASS	15282	A
32	COMPASS		ZR	B5,YEVIT220 IF *0	COMPASS	15283	A
33	COMPASS		SB7	X6-2R*P	COMPASS	15284	A
34	COMPASS		SB6	X6-2R*F	COMPASS	15285	A
35	COMPASS		ZR	B7,YEVIT230 IF *P	COMPASS	15286	A
36	COMPASS		ZR	B6,YEVIT240 IF *F	COMPASS	15287	A
37	COMPASS				COMPASS	15288	A
38	COMPASS	*		ERROR IN ITEM.	COMPASS	15289	A
39	COMPASS				COMPASS	15290	A
40	COMPASS	YEVITER	SX6	B1 NOTE ERROR	COMPASS	15291	A
41	COMPASS		SA6	AERR	COMPASS	15292	A
42	COMPASS		SA6	EFLG	COMPASS	15293	A
43	COMPASS		SA6	EXERR	COMPASS	15294	A
44	COMPASS		EQ	YEVITEMS	COMPASS	15295	A
45	COMPASS				COMPASS	15296	A
46	COMPASS	*		* OR *L ELEMENT.	COMPASS	15297	A
47	COMPASS				COMPASS	15298	A
48	COMPASS	YEVI210	SA2	LOCCTR	COMPASS	15299	A
49	COMPASS	YEVI211	SA3	A2+B1	COMPASS	15300	A
50	COMPASS		BX6	X2	COMPASS	15301	A
51	COMPASS		LX7	X3	COMPASS	15302	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	YEVI212	SA6	ELVAL	COMPASS	15303	A
COMPASS		SA7	A6+B1	COMPASS	15304	A
COMPASS		EQ	YEVITEMS	COMPASS	15305	A
COMPASS				COMPASS	15306	A
COMPASS	*		*0 ELEMENT.	COMPASS	15307	A
COMPASS				COMPASS	15308	A
COMPASS	YEVI220	SA2	ORGCTR	COMPASS	15309	A
COMPASS		EQ	YEVIT211	COMPASS	15310	A
COMPASS				COMPASS	15311	A
COMPASS	*		*P ELEMENT.	COMPASS	15312	A
COMPASS				COMPASS	15313	A
COMPASS	YEVI230	SA2	POSCTR	COMPASS	15314	A
COMPASS	YEVI231	BX6	X2	COMPASS	15315	A
COMPASS		MX7	0	COMPASS	15316	A
COMPASS		EQ	YEVIT212	COMPASS	15317	A
COMPASS				COMPASS	15318	A
COMPASS	*		*F ELEMENT.	COMPASS	15319	A
COMPASS				COMPASS	15320	A
COMPASS	YEVI240	SA2	FMODE	COMPASS	15321	A
COMPASS		EQ	YEVIT231	COMPASS	15322	A
COMPASS				COMPASS	15323	A
COMPASS	*		DOLLAR SIGN.	COMPASS	15324	A
COMPASS				COMPASS	15325	A
COMPASS	YEVI250	RJ	SCITEM	COMPASS	15326	A
COMPASS		SA1	PPTYPE	F4820	735	A
COMPASS		SX1	X1+B1	F4820	736	A
COMPASS		ZR	X1,YEVI210 IF BCU ASSEMBLY	F4820	737	A
COMPASS		SB7	X6-1R\$	COMPASS	15327	A
COMPASS		SA2	POSCTR	COMPASS	15328	A
COMPASS		NZ	X2,YEVITOK	COMPASS	15329	A
COMPASS		RJ	YFOUP	COMPASS	15330	A
COMPASS			RESET POSCTR	COMPASS	15331	A
COMPASS		SA2	POSCTR	COMPASS	15332	A
COMPASS	YEVITOK	SX6	X2-1	COMPASS	15333	A
COMPASS		MX7	0	COMPASS	15334	A
COMPASS		ZR	B7,YEVI212	COMPASS	15335	A
COMPASS		EQ	YEVITER	COMPASS	15336	A
COMPASS				COMPASS	15337	A
COMPASS	*		SLASH ELEMENT.	COMPASS	15338	A
COMPASS				COMPASS	15339	A
COMPASS	YEVI300	RJ	GETCH	COMPASS	15340	A
COMPASS		SA2	CHAR	COMPASS	15341	A
COMPASS		SX1	X2-1R/	COMPASS	15342	A
COMPASS		ZR	X1,YEVI303 IF */*	COMPASS	15343	A
COMPASS		RJ	SCITEM	COMPASS	15344	A
COMPASS		SB7	X1-1R/	COMPASS	15345	A
COMPASS		NZ	B7,YEVI301	COMPASS	15346	A
COMPASS		BX1	X6	COMPASS	15347	A
COMPASS	YEVI303	RJ	SQV	COMPASS	15348	A
COMPASS		RJ	GETCH	COMPASS	15349	A
COMPASS			SET QUAL VALUE	COMPASS	15350	A
COMPASS		RJ	SCITEM	COMPASS	15351	A
COMPASS		BX1	X6			
COMPASS		ZR	X6,YEVI302 IF NO SYMBOL			

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	RJ	YTLUSYM	COMPASS	15352	A
COMPASS	SA1	QVAL+1      RESET QVAL	COMPASS	15353	A
COMPASS	BX6	X1	COMPASS	15354	A
COMPASS	SA6	A1-B1	COMPASS	15355	A
COMPASS	ZR	X3,YEVITEMS IF NOT DEFINED	CMP1	5	A
COMPASS	SA1	X3-1	CMP1	6	I
-CP096A					
COMPASS	SX0	X3-1	CP096A	512	A
COMPASS	RX1	X0	CP096A	513	A
COMPASS	BX6	X5-X1	CMP1	7	A
COMPASS	ZR	X6,YEVITEMS IF THE SAME QUALIFIER	CMP1	8	A
COMPASS	SX6	B1              SET UNDEFINED ERROR	CMP1	9	A
COMPASS	MX7	0	CMP1	10	A
COMPASS	SA6	UERR	CMP1	11	I
-CMP146					
COMPASS	SA7	ELVAL	CMP1	12	A
COMPASS	SA6	EFLG	CMP1	13	I
-CMP146					
COMPASS	SA7	A7+B1      ELREL	CMP1	14	A
COMPASS	SA7	A7+B1      ELEXT	CMP1	15	A
COMPASS	SA1	IFDF	CMP146	21	A
COMPASS	NZ	X1,YEVIT304   IF IF DEF/EXT/REG	CMP146	22	A
COMPASS	SA6	UERR	CMP146	23	A
COMPASS	SA6	EFLG           SET UNDEFINED ERROR	CMP146	24	A
COMPASS	SA6	EXERR	CMP1	16	A
COMPASS	EQ	YEVITEMS	COMPASS	15356	A
COMPASS	YEVI304 SX6	B1+B1      IFDF = 2	CMP146	25	A
COMPASS	SA6	A1	CMP146	26	A
COMPASS	EQ	YEVITEMS	CMP146	27	A
COMPASS	YEVI302 SA1	QVAL+1	COMPASS	15357	A
COMPASS	BX6	X1	COMPASS	15358	A
COMPASS	SA6	A1-B1	COMPASS	15359	A
COMPASS	YEVI301 SX6	B1           COMPLAIN	COMPASS	15360	A
COMPASS	SA6	AERR	COMPASS	15361	A
COMPASS	SA6	EFLG	COMPASS	15362	A
COMPASS	SA6	EXERR	COMPASS	15363	A
COMPASS	EQ	YEVITEMS	COMPASS	15364	A
COMPASS			COMPASS	15365	A
COMPASS	*	EQUALS SIGN.	COMPASS	15366	A
COMPASS			COMPASS	15367	A
COMPASS	YEVI400 RJ	GETCH	COMPASS	15368	A
COMPASS	SB7	X1-1RS      CHECK FOR SYMBOL LITERAL	COMPASS	15369	A
COMPASS	SB6	X1-1RX	COMPASS	15370	A
COMPASS	ZR	B7,YEVIT420	COMPASS	15371	A
COMPASS	ZR	B6,YEVIT430 IF =X FORMAT	COMPASS	15372	A
COMPASS	SX2	VALUES      SCAN NUMERIC (CHARACTER) LITERAL	COMPASS	15373	A
COMPASS	EQ	B6,B1,YEVIT435 IF =Y FORMAT	CP154	24	A
COMPASS	SX3	NLITS	COMPASS	15374	A
COMPASS	SX4	-B1	COMPASS	15375	A
COMPASS	SA5	LWORD	COMPASS	15376	A
COMPASS	RJ	SCD           SCAN DATA ITEM	COMPASS	15377	A
COMPASS	ZR	X3,YEVITER   ERROR IF 0-LENGTH DATA	COMPASS	15378	A
0            1            2            3            4            5            6            7            8					
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12345678901	23456789012	34567890123	45678901234	56789012345	67890123456	78901234567	89012345678	90123456789



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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	EQ	YFU1	COMPASS	15566	A
COMPASS	YPRLOC	SPACE 4	COMPASS	15567	A
COMPASS	**	YPRLOC	COMPASS	15568	A
COMPASS	*	ENTRY (X1) = LENGTH OF INSTRUCTION.	COMPASS	15569	A
COMPASS			COMPASS	15570	A
COMPASS			COMPASS	15571	A
COMPASS	YPRLOC4	MX6 0	COMPASS	15572	A
COMPASS		SA6 NFOUP	COMPASS	15573	A
COMPASS			COMPASS	15574	A
COMPASS	YPRLOC	PS	COMPASS	15575	A
COMPASS		SA2 POSCTR	COMPASS	15576	A
COMPASS		SA3 MACHINE	COMPASS	15577	A
COMPASS		SA4 LWORD	F4820	738	A
COMPASS		PX0 X2	COMPASS	15578	A
COMPASS		NZ X3,YPRLOC1	COMPASS	15579	A
COMPASS		SA4 =0.067P48	COMPASS	15580	A
COMPASS		SA5 =15.0P0	COMPASS	15581	A
COMPASS		FX0 X0*X4	COMPASS	15582	A
COMPASS		DX4 X0*X5	COMPASS	15583	A
COMPASS		UX6 X4,B7	COMPASS	15584	A
COMPASS		EQ YPRLOC2	COMPASS	15585	A
COMPASS	YPRLOC1	SB7 X2-12	COMPASS	15586	I
	-F4820				
COMPASS	YPRLOC1	IX4 X2-X4	F4820	739	A
COMPASS		SB7 X4	F4820	740	A
COMPASS		BX6 X2	COMPASS	15587	A
COMPASS		ZR B7,YPRLOC2	COMPASS	15588	A
COMPASS		MX6 0	COMPASS	15589	A
COMPASS	YPRLOC2	SA6 A2	COMPASS	15590	A
COMPASS		BX7 X1	COMPASS	15591	A
COMPASS		SA7 YPRLOCT	COMPASS	15592	A
COMPASS	+	NZ X6,*+1	COMPASS	15593	A
COMPASS		RJ YFOUP	COMPASS	15594	A
COMPASS		SA1 YPRLOCT	COMPASS	15595	A
COMPASS		SA2 POSCTR	COMPASS	15596	A
COMPASS		IX6 X2-X1	COMPASS	15597	A
COMPASS	+	PL X6,*+1	COMPASS	15598	A
COMPASS		RJ YFOUP	COMPASS	15599	A
COMPASS		SA1 LOCSYM	COMPASS	15600	A
COMPASS		SB7 X1-1R-	COMPASS	15601	A
COMPASS		ZR B7,YPRLOC4	COMPASS	15602	A
COMPASS		SA2 NFOUP	COMPASS	15603	A
COMPASS		BX1 X2+X1	COMPASS	15604	A
COMPASS	+	ZR X1,*+1	COMPASS	15605	A
COMPASS		RJ YFOUP	COMPASS	15606	A
COMPASS		SA1 LOCSYM	COMPASS	15607	A
COMPASS		SB7 X1-1R+	COMPASS	15608	A
COMPASS		ZR B7,YPRLOC	COMPASS	15609	A
COMPASS		NZ X1,YPRLOC3	COMPASS	15610	A
COMPASS		PL X1,YPRLOC	COMPASS	15611	A
COMPASS	YPRLOC3	SA2 LOCCTR	COMPASS	15612	A
COMPASS		SA3 A2+B1	COMPASS	15613	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS		BX4	X4-X4		COMPASS	15614	A	
1	COMPASS		SA5	LIBFLG		COMPASS	15615	A	1
2	COMPASS		LX5	1		COMPASS	15616	A	2
3	COMPASS		RJ	YDEFLOC		COMPASS	15617	A	3
4	COMPASS		EQ	YPRLOC	AND EXIT	COMPASS	15618	A	5
5	COMPASS					COMPASS	15619	A	6
6	COMPASS	YPRLOCT	DATA	0	TEMPORARY STORAGE	COMPASS	15620	A	7
7	COMPASS	YTLULIT	SPACE	4		COMPASS	15621	A	9
8	COMPASS	**	YTLULIT	- LOOK UP LITERAL AND ENTER INTO TABLE.		COMPASS	15622	A	10
9	COMPASS	*	ENTRY	(X2) = ORIGIN OF VALUES.		COMPASS	15623	A	11
10	COMPASS	*		(X3) = COUNT OF VALUES.		COMPASS	15624	A	12
11	COMPASS	*	EXIT	(X3) = RELOCATED EQUIVALENT.		COMPASS	15625	A	13
12	COMPASS					COMPASS	15626	A	14
13	COMPASS					COMPASS	15627	A	15
14	COMPASS	YTLULIT	PS	RETURN EXIT		COMPASS	15628	A	16
15	COMPASS		SB7	X2		COMPASS	15629	A	17
16	COMPASS		SB6	X3		COMPASS	15630	A	18
17	COMPASS		SA1	L.LITAB		COMPASS	15631	A	19
18	COMPASS		SA2	LI	LITERAL INDEX	COMPASS	15632	A	20
19	COMPASS		IX1	X1-X2		COMPASS	15633	A	21
20	COMPASS		ZR	X1,YTLIT20	IF LITERAL TABLE IS EMPTY	COMPASS	15634	A	22
21	COMPASS		SB5	X1		COMPASS	15635	A	23
22	COMPASS		SB4	B0		COMPASS	15636	A	24
23	COMPASS		SA1	O.LITAB		COMPASS	15637	A	25
24	COMPASS		IX1	X1+X2		COMPASS	15638	A	26
25	COMPASS		SA0	X1		COMPASS	15639	A	27
26	COMPASS	YTLIT1	SA1	B7	FETCH FIRST VALUE	COMPASS	15640	A	28
27	COMPASS		SA2	A0+B4		COMPASS	15641	A	29
28	COMPASS		BX3	X1-X2		COMPASS	15642	A	30
29	COMPASS		NG	X3,YTLIT10		COMPASS	15643	A	31
30	COMPASS		NZ	X3,YTLIT10	IF NO MATCH FOUND	COMPASS	15644	A	32
31	COMPASS		SB3	B0		COMPASS	15645	A	33
32	COMPASS	YTLIT2	SB2	B3+B4		COMPASS	15646	A	34
33	COMPASS		GE	B2,B5,YTLIT100		COMPASS	15647	I	35
34		-CMP042							36
35	COMPASS		GE	B2,B5,YTLIT20		CMP042	279	A	37
36	COMPASS		SA2	A0+B2		COMPASS	15648	A	38
37	COMPASS		SA1	B7+B3		COMPASS	15649	A	39
38	COMPASS		BX3	X1-X2		COMPASS	15650	A	40
39	COMPASS		NG	X3,YTLIT10		COMPASS	15651	A	41
40	COMPASS		NZ	X3,YTLIT10		COMPASS	15652	A	42
41	COMPASS		SB3	B3+B1		COMPASS	15653	A	43
42	COMPASS		NE	B3,B6,YTLIT2		COMPASS	15654	A	44
43	COMPASS		SX3	B4		COMPASS	15655	A	45
44	COMPASS		EQ	YTLIT6	MATCH FOUND	COMPASS	15656	A	46
45	COMPASS	YTLIT10	SB4	B4+B1	INDEX	COMPASS	15657	A	47
46	COMPASS		NE	B4,B5,YTLIT1		COMPASS	15658	A	48
47	COMPASS	YTLIT20	SX1	B6	SAVE PARAMETERS	COMPASS	15659	A	49
48	COMPASS		SX6	B7		COMPASS	15660	A	50
49	COMPASS		LX1	18		COMPASS	15661	A	51
50	COMPASS		IX6	X1+X6		COMPASS	15662	A	52
51	COMPASS		SA6	YTLITT		COMPASS	15663	A	53

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	MANAGE	LITAB,B6	AUGMENT LITERAL TABLE	COMPASS	15664	A
COMPASS	SA1	YTLITT	MOVE DATA	COMPASS	15665	A
COMPASS	IX3	X2+X3		COMPASS	15666	A
COMPASS	SB7	X1		COMPASS	15667	A
COMPASS	AX1	18		COMPASS	15668	A
COMPASS	SB6	X1		COMPASS	15669	A
COMPASS	IX3	X3-X1		COMPASS	15670	A
COMPASS	SX2	B7		COMPASS	15671	A
COMPASS	RJ	MOVE		COMPASS	15672	A
COMPASS	SA1	L.LITAB		COMPASS	15673	A
COMPASS	SA2	LWORD		COMPASS	15674	A
COMPASS	SA3	O.USETAB		COMPASS	15675	A
COMPASS	SA4	UI	USE INDEX	COMPASS	15676	A
COMPASS	SA5	LI	LITERAL INDEX	COMPASS	15677	A
COMPASS	IX3	X3+X4		COMPASS	15678	A
COMPASS	IX1	X1-X5		COMPASS	15679	A
COMPASS	LX2	24		COMPASS	15680	A
COMPASS	BX6	X2+X1		COMPASS	15681	A
COMPASS	SA6	X3+13	STORE LWORD, LENGTH IN LITS BLOCK	COMPASS	15682	I
-CMP30						
COMPASS	SA6	X3+2*4+1	STORE LWORD, LENGTH IN LITS BLOCK	CMP30	4879	A
COMPASS	SX0	B6		COMPASS	15683	A
COMPASS	IX3	X1-X0		COMPASS	15684	A
COMPASS	YTLIT6	SA4	UI+1	COMPASS	15685	A
COMPASS	SA2	LI	LITERAL INDEX	COMPASS	15686	I
-CMP1						
COMPASS	IX3	X3+X2		COMPASS	15687	I
-CMP1						
COMPASS	SX4	X4+2		COMPASS	15688	A
COMPASS	LX4	24		COMPASS	15689	A
COMPASS	BX3	X4+X3		COMPASS	15690	A
COMPASS	EQ	YTLULIT		COMPASS	15691	A
COMPASS	YTLIT100	SX6	B4	COMPASS	15692	I
-CMP042						
COMPASS	SA6	L.LITAB		COMPASS	15693	I
-CMP042						
COMPASS	EQ	YTLIT20		COMPASS	15694	I
-CMP042						
COMPASS				COMPASS	15695	A
COMPASS	YTLITT	DATA 0	TEMPORARY STORAGE	COMPASS	15696	A
COMPASS	YTLUSYM	SPACE 4		COMPASS	15697	A
COMPASS	**	YTLUSYM - EVALUATE SYMBOL.		COMPASS	15698	A
COMPASS	*	UERR SET IF NOT IN TABLE.		COMPASS	15699	A
COMPASS	*	ENTRY (X1) = SYMBOL.		COMPASS	15700	A
COMPASS	*	EXIT ELVAL = VALUE.		COMPASS	15701	A
COMPASS	*	ELREL = RELOCATION.		COMPASS	15702	A
COMPASS	*	ELEXT = EXTERNAL NUMBER.		COMPASS	15703	A
COMPASS	*	(X3) = LOCATION OF EQUIVALENT.		CMP1	17	A
COMPASS	*	(X5) = SYMBOL WITH QUALIFIER.		CMP1	18	A
COMPASS				COMPASS	15704	A
COMPASS				COMPASS	15705	A
COMPASS	YTLUSYM2	LX2 2		COMPASS	15706	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA2	ORGCTR	COMPASS	15748	A
COMPASS	SA3	LOCCTR	COMPASS	15749	A
COMPASS	IX6	X2+X1	COMPASS	15750	A
COMPASS	IX7	X3+X1	COMPASS	15751	A
COMPASS	SA6	A2	COMPASS	15752	A
COMPASS	SA7	A3	COMPASS	15753	A
COMPASS	EQ	YUPLOC	COMPASS	15754	A
COMPASS AEI	TITLE	PASS 2 SUBROUTINES.	COMPASS	15755	A
COMPASS **	AEI -	ADVANCE ENTRY INDEX.	COMPASS	15756	A
COMPASS *	ENTRY	(SI) = SEGTAB INDEX.	COMPASS	15757	A
COMPASS *	EXIT	(UI) = USETAB INDEX.	COMPASS	15758	A
COMPASS *		(UI+1) = FIRST BLOCK NUMBER.	CMP30	4880	I
-RSM4159					
COMPASS *		(UI+1) = FIRST BLOCK NUMBER WITHIN BLOCK GROUP.	RSM4159	39	A
COMPASS *		(EI) = EPTAB INDEX.	COMPASS	15759	A
COMPASS *		(EI+1) = LWA EPTAB.	COMPASS	15760	A
COMPASS *		(LI) = LITAB INDEX.	COMPASS	15761	A
COMPASS *		(LI+1) = LWA LITAB.	COMPASS	15762	A
COMPASS *		(DI) = SLITS INDEX.	CMP17	35	A
COMPASS *		(DI+1) = LWA SLITS.	CMP17	36	A
COMPASS			COMPASS	15763	A
COMPASS			COMPASS	15764	A
COMPASS	SEG	PASS 2 SUBROUTINES.	COMPASS	15765	A
COMPASS	QUAL	PASS2	COMPASS	15766	A
COMPASS AEI	PS	RETURN EXIT	COMPASS	15767	A
COMPASS	SA1	0.SEGTAB	COMPASS	15768	A
COMPASS	SA2	SI	COMPASS	15769	A
COMPASS	IX1	X1+X2	COMPASS	15770	A
COMPASS	SA1	X1+B1 SEGTAB(2)	COMPASS	15771	A
COMPASS	AX1	18	COMPASS	15772	A
COMPASS	BX6	X1	COMPASS	15773	A
COMPASS	AX1	2	CMP30	4881	A
COMPASS	SX7	X1+B1	CMP30	4882	A
COMPASS	SA6	UI	COMPASS	15774	A
COMPASS	MX7	0 CALCULATE BLOCK NUMBER	COMPASS	15775	I
-CMP30					
COMPASS AEI1	SX1	X1-6	COMPASS	15776	I
-CMP30					
COMPASS	SX7	X7+B1	COMPASS	15777	I
-CMP30					
COMPASS	PL	X1,AEI1 LOOP	COMPASS	15778	I
-CMP30					
COMPASS	SA7	A6+B1	COMPASS	15779	A
COMPASS	SA1	A1+B1 SEGTAB(3)	COMPASS	15780	A
COMPASS	SA2	A1+B1 SEGTAB(4)	COMPASS	15781	A
COMPASS	SX6	X1	COMPASS	15782	A
COMPASS	SX7	X2	COMPASS	15783	A
COMPASS	SA6	LI	COMPASS	15784	A
COMPASS	SA7	A6+B1	COMPASS	15785	A
COMPASS	AX1	18	COMPASS	15786	A
COMPASS	AX2	18	COMPASS	15787	A
COMPASS	BX6	X1	COMPASS	15788	I
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-CMP17

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	-CMP30	MX0	-12			COMPASS	15806	I
COMPASS	-CMP30	SA1	0.SEGTAB	CALCULATE LIMITS OF IDTAB ENTRY		COMPASS	15807	I
COMPASS	-CMP30	SA2	SI			COMPASS	15808	I
COMPASS	-CMP30	IX6	X1+X2			COMPASS	15809	I
COMPASS	-CMP30	SA1	X6+B1	SEGTAB(2)		COMPASS	15810	I
COMPASS	-CMP30	SA2	A1+4	SEGTAB+1(2)		COMPASS	15811	I
COMPASS	-CMP30	SA1	B6+X1	START OF IDENT CARD		COMPASS	15812	I
COMPASS	-CMP30	SB3	B6+X2	LIMIT OF COMMENT CARDS		COMPASS	15813	I
COMPASS	-CMP30	SB4	DPBA+3			COMPASS	15814	I
COMPASS	ECC2	BX6	-X0*X1			COMPASS	15815	I
COMPASS	-CMP30	SA1	A1+B1			COMPASS	15816	I
COMPASS	-CMP30	NZ	X6,ECC2	LOOP TO END OF IDENT CARD		COMPASS	15817	I
COMPASS	-CMP30	SB2	A1+B1			COMPASS	15818	I
COMPASS	-CMP30	BX6	X1			COMPASS	15819	I
COMPASS	-CMP30	SB5	DPBA+17B			COMPASS	15820	I
COMPASS	-CMP30	ZR	X6,ECC2	IF ZERO WORD		COMPASS	15821	I
COMPASS	-CMP30	GE	B2,B3,ECC	RETURN IF END OF COMMENT CARDS		COMPASS	15822	I
COMPASS	-CMP30	SA6	B4	COPY CARD		COMPASS	15823	I
COMPASS	-CMP30	SB4	B4+B1			COMPASS	15824	I
COMPASS	-CMP30	SB2	B2+B1			COMPASS	15825	I
COMPASS	-CMP30	SA1	A1+B1			COMPASS	15826	I
COMPASS	-CMP30	BX6	X1			COMPASS	15827	I
COMPASS	-CMP30	NE	B4,B5,ECC3	LOOP TO END OF 77 TABLE		COMPASS	15828	I
COMPASS	-CMP30	EQ	ECC	RETURN		COMPASS	15829	I
COMPASS	BKS	SPACE	4			CMP30	4883	A
COMPASS	**	BKS - BACKSPACE SECTIONS.				CMP30	4884	A
COMPASS	*	BACKSPACE N SECTIONS ON BINARY OUTPUT FILE.				CMP30	4885	A
COMPASS	*	ENTRY (X4) = NUMBER OF SECTIONS.				CMP30	4886	A
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12345678901	23456789012	34567890123	45678901234	56789012345	67890123456	78901234567	89012345678	90123456789

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	JP	CRL	S004 127	CPS004	90	A
COMPASS			S004 128	CPS004	91	A
COMPASS	CRLA	DATA	H* RECURSION DEPTH .GT. "LIMRECUR" IN *	S004 129	CPS004	92
COMPASS	CRLB	DATA	0	S004 130	CPS004	93
COMPASS	ENTREF	SPACE	4	COMPASS	15830	A
COMPASS	**	ENTREF	- PLACE ENTRY IN CROSS REFERENCE TABLE.	COMPASS	15831	A
COMPASS	*	ENTRY	(X4) = SYMBOL TABLE ADDRESS.	COMPASS	15832	A
COMPASS	*		(X1) = SYMBOL USAGE LETTER.	COMPASS	15833	A
COMPASS	*		(X2) = SYMBOL EQUIVALENT.	COMPASS	15834	A
COMPASS				COMPASS	15835	A
COMPASS				COMPASS	15836	A
COMPASS	ENTREF1	SX6	B0 JUST OVERFLOWED	COMPASS	15837	A
COMPASS		SA6	L.REFTAB	COMPASS	15838	A
COMPASS				CMP30	4926	A
COMPASS		IFEQ	CP#RM,0,2	CMP30	4927	A
COMPASS	ENTREF2	WRITEW	R,CONREF,1	COMPASS	15839	A
COMPASS		ELSE	1	CMP30	4928	A
COMPASS	ENTREF2	PUT	R,CONREF,10	CMP30	4929	I
COMPASS	-CPS028					
COMPASS	ENTREF2	PUTP	R,CONREF,10	S028 710	CPS028	529
COMPASS				COMPASS	15840	A
COMPASS	ENTREF	PS	0 RETURN EXIT	COMPASS	15841	A
COMPASS		LX2	-35+59	COMPASS	15842	A
COMPASS		NG	X2,ENTREF IF NOREF SYMBOL	COMPASS	15843	A
COMPASS		MX0	-17	CMP19	356	A
COMPASS		SA2	SUPREF	COMPASS	15844	A
COMPASS		NZ	X2,ENTREF RETURN IF NO REFERENCE	COMPASS	15845	A
COMPASS		SA2	LPCNT LINE NUMBER	COMPASS	15846	I
COMPASS	-CPS234					
COMPASS		SA2	LPCX LINE NUMBER	CPS234	5	A
COMPASS		SA3	PGCNT PAGE NUMBER	COMPASS	15847	I
COMPASS	-CPSA186					
COMPASS		SA3	A2+B1	CPSA186	8	A
COMPASS		LX2	6 LETTER TO BITS 0 - 5	COMPASS	15848	A
COMPASS		SA5	LOCCTR LOCATION COUNTER	COMPASS	15849	A
COMPASS		BX6	X1+X2 LINE TO BITS 6 - 12	COMPASS	15850	A
COMPASS		LX3	13	COMPASS	15851	A
COMPASS		BX5	-X0*X5	CMP19	357	A
COMPASS		BX6	X6+X3 PAGE TO BITS 13 - 24	COMPASS	15852	A
COMPASS		LX5	25	COMPASS	15853	A
COMPASS		BX6	X6+X5 LOCATION TO BITS 25 - 41	COMPASS	15854	A
COMPASS		LX4	42	COMPASS	15855	A
COMPASS		BX6	X6+X4 SYMBOL TABLE ADDRESS TO BITS 42 - 59	COMPASS	15856	A
COMPASS		SA6	CONREF	COMPASS	15857	A
COMPASS		SA1	LOSTREF ACCUMULATE REFERENCES	COMPASS	15858	A
COMPASS		SX6	B1	COMPASS	15859	A
COMPASS		IX6	X6+X1	COMPASS	15860	A
COMPASS		SA6	A1	COMPASS	15861	A
COMPASS		SA2	REFIO	COMPASS	15862	A
COMPASS		NZ	X2,ENTREF2 IF ON DISK	COMPASS	15863	A
COMPASS		MANAGE	REFTAB,B1	COMPASS	15864	A
COMPASS		SA1	REFIO	COMPASS	15865	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	NZ	X1,ENTREF1	IF JUST OVERFLOWED	COMPASS	15866	A	
1	COMPASS	SA4	CONREF		COMPASS	15867	A	
2	COMPASS	IX2	X2+X3		COMPASS	15868	A	
3	COMPASS	BX6	X4		COMPASS	15869	A	
4	COMPASS	SA6	X2-1		COMPASS	15870	A	
5	COMPASS	EQ	ENTREF	RETURN	COMPASS	15871	A	
6	COMPASS				CPS234	6	I	
7		-CPSA186						
8	COMPASS	LPCX	DATA	0	LINE COUNT -- PRINTED LINES ONLY	CPS234	7	I
9		-CPSA186						
10	COMPASS	LLA	SPACE	4		COMPASS	15872	A
11	COMPASS	**	LLA -	LIST LOCATION ADDRESS.		COMPASS	15873	A
12	COMPASS					COMPASS	15874	A
13	COMPASS					COMPASS	15875	A
14	COMPASS	LLA	PS	RETURN EXIT		COMPASS	15876	A
15	COMPASS		SA1	LOCCTR	CALL PACK0(LOCCTR,14 OR 12,6 OR 4)	COMPASS	15877	A
16	COMPASS		SX2	14		COMPASS	15878	A
17	COMPASS		SA3	MACHINE		COMPASS	15879	A
18	COMPASS		LX5	X3,B1		COMPASS	15880	A
19	COMPASS		IX2	X2-X5		COMPASS	15881	A
20	COMPASS		MX3	0		COMPASS	15882	A
21	COMPASS		RJ	PACK0		COMPASS	15883	A
22	COMPASS		SA1	LOCCTR	CHECK IF LOCCTR " ORGCTR	COMPASS	15884	A
23	COMPASS		SA2	ORGCTR		COMPASS	15885	A
24	COMPASS		BX3	X1-X2		COMPASS	15886	A
25	COMPASS		ZR	X3,LLA	IF COUNTERS ARE EQUAL	COMPASS	15887	A
26	COMPASS		SX6	1RL	LIST AN L	COMPASS	15888	A
27	COMPASS		SA6	OCTAL+6		COMPASS	15889	A
28	COMPASS		EQ	LLA	RETURN	COMPASS	15890	A
29	COMPASS	PACK0	SPACE	4		COMPASS	15891	I
30		-F4820						
31	COMPASS	**	PACK0 -	PACK OCTAL DIGITS INTO LINE.		COMPASS	15892	I
32		-F4820						
33	COMPASS	*	ENTRY	(X1) = VALUE.		COMPASS	15893	I
34		-F4820						
35	COMPASS	*		(X2) = LOW ORDER COLUMN NUMBER.		COMPASS	15894	I
36		-F4820						
37	COMPASS	*		(X3) = COLUMN COUNT.		COMPASS	15895	I
38		-F4820						
39	COMPASS	*		(X3) = 0 IF LEADING ZERO SUPPRESSION.		COMPASS	15896	I
40		-F4820						
41	COMPASS					COMPASS	15897	I
42		-F4820						
43	COMPASS					COMPASS	15898	I
44		-F4820						
45	COMPASS	PACK0	PS	RETURN EXIT		COMPASS	15899	I
46		-F4820						
47	COMPASS		MX0	57		COMPASS	15900	I
48		-F4820						
49	COMPASS		SX4	1R0		COMPASS	15901	I
50		-F4820						
51	COMPASS		SB7	X3-1		COMPASS	15902	I
52								
53		0	1	2	3	4	5	6
54		1234567890123456789012345678901234567890123456789012345678901234567890						



LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-F4820

1	COMPASS	BX5	-X0*X1	COMPASS	15903	I	1
2	-CPS010	-F4820					2
3	COMPASS	IX6	X5+X4	COMPASS	15904	I	3
4	-CPS010	-F4820					4
5	COMPASS	SB6	-B1	COMPASS	15905	I	5
6	-F4820						6
7	COMPASS	SB5	OCTAL-1	COMPASS	15906	I	7
8	-CPS010	-F4820					8
9	COMPASS	PACK01	AX1 3	COMPASS	15907	I	9
10	-CPS010	-F4820					10
11	COMPASS	SA6	X2+B5	COMPASS	15908	I	11
12	-CPS010	-F4820					12
13	COMPASS	SB7	B7-B1	COMPASS	15909	I	13
14	-CPS010	-F4820					14
15	COMPASS	BX5	-X0*X1	COMPASS	15910	I	15
16	-CPS010	-F4820					16
17	COMPASS	SB5	OCTAL	CPS010	79	I	17
18	-F4820						18
19	COMPASS	SX7	1R	CPS010	80	I	19
20	-F4820						20
21	COMPASS	PL	X1,PACK01 IF NUMBER NOT NEGATIVE	CPS010	81	I	21
22	-F4820						22
23	COMPASS	NZ	X3,PACK01 IF NOT LEADING ZERO SUPPRESSION	CPS010	82	I	23
24	-F4820						24
25	COMPASS	BX1	-X1	CPS010	83	I	25
26	-F4820						26
27	COMPASS	SX7	1R-	CPS010	84	I	27
28	-F4820						28
29	COMPASS	PACK01	BX5 -X0*X1	CPS010	85	I	29
30	-F4820						30
31	COMPASS	AX1	3	CPS010	86	I	31
32	-F4820						32
33	COMPASS	IX6	X5+X4	CPS010	87	I	33
34	-F4820						34
35	COMPASS	SX2	X2+B6	COMPASS	15911	I	35
36	-F4820						36
37	COMPASS	IX6	X4+X5	COMPASS	15912	I	37
38	-CPS010	-F4820					38
39	COMPASS	SB7	B7-B1	CPS010	88	I	39
40	-F4820						40
41	COMPASS	SA6	X2+B5	CPS010	89	I	41
42	-F4820						42
43	COMPASS	PL	B7,PACK01	COMPASS	15913	I	43
44	-F4820						44
45	COMPASS	NZ	X3,PACK0 IF NOT LEADING ZERO SUPPRESSION	COMPASS	15914	I	45
46	-F4820						46
47	COMPASS	NZ	X1,PACK01 IF NOT END OF NUMBER	COMPASS	15915	I	47
48	-F4820						48
49	COMPASS	SA7	A6-B1	CPS010	90	I	49
50	-F4820						50
51	COMPASS	EQ	PACK0 RETURN	COMPASS	15916	I	51

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-F4820

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA7	A6+B1		COMPASS	15968	A
COMPASS	IX3	X7-X6		COMPASS	15969	A
COMPASS	SX1	X3-18		COMPASS	15970	I
-CMP30						
COMPASS	SX1	X3-3*4		CMP30	4930	A
COMPASS	NZ	X1,PBN2	IF MORE THAN 3 BLOCKS	COMPASS	15971	A
COMPASS	SA2	O.USETAB		COMPASS	15972	A
COMPASS	IX2	X2+X6	CHECK BLOCK LENGTHS	COMPASS	15973	A
COMPASS	SA1	X2+13	LITERALS*(2)	COMPASS	15974	I
-CMP30						
COMPASS	SA1	X2+2*4+1	LITERALS*(2)	CMP30	4931	A
COMPASS	BX6	-X0*X1		COMPASS	15975	A
COMPASS	NZ	X6,PBN2	IF LITERALS* NOT EMPTY	COMPASS	15976	A
COMPASS	SA1	X2+7	PROGRAM*(2)	COMPASS	15977	I
-CMP30						
COMPASS	SA1	X2+4+1	PROGRAM*(2)	CMP30	4932	A
COMPASS	BX6	-X0*X1		COMPASS	15978	A
COMPASS	ZR	X6,PBN	IF PROGRAM* EMPTY	COMPASS	15979	A
COMPASS	SA1	X2+B1		COMPASS	15980	A
COMPASS	BX6	-X0*X1		COMPASS	15981	A
COMPASS	ZR	X6,PBN	IF ABSOLUTE* EMPTY	COMPASS	15982	A
COMPASS	PBN2	SX0	2	COMPASS	15983	A
COMPASS	RJ	LBL		COMPASS	15984	A
COMPASS	SA1	=40HBLOCKS	TYPE ADDRESS LENGTH	COMPASS	15985	A
COMPASS	SA2	A1+B1	LIST OUT BLOCK LENGTHS AND ORIGINS	COMPASS	15986	A
COMPASS	BX6	X1		COMPASS	15987	A
COMPASS	LX7	X2		COMPASS	15988	A
COMPASS	SA6	LINE		COMPASS	15989	A
COMPASS	SA7	A6+B1		COMPASS	15990	A
COMPASS	SA1	A2+B1		COMPASS	15991	A
COMPASS	SA2	A1+B1		COMPASS	15992	A
COMPASS	BX6	X1		COMPASS	15993	A
COMPASS	LX7	X2		COMPASS	15994	A
COMPASS	SA6	A7+B1		COMPASS	15995	A
COMPASS	SA7	A6+B1		COMPASS	15996	A
COMPASS	RJ	LIST2L		COMPASS	15997	A
COMPASS				COMPASS	15998	A
COMPASS	*	PRINT USE BLOCKS.		COMPASS	15999	A
COMPASS				COMPASS	16000	A
COMPASS	PBN3	SA1	O.USETAB	COMPASS	16001	A
COMPASS		SA2	P2TEMPA	COMPASS	16002	A
COMPASS		IX0	X1+X2	COMPASS	16003	A
COMPASS		SA1	X0	COMPASS	16004	A
			FETCH BLOCK NAME	COMPASS	16005	A
COMPASS	SX7	1R		COMPASS	16006	A
COMPASS	BX5	X1	COMPLEMENT NAME IF LCM	COMPASS	16007	A
COMPASS	AX5	60		COMPASS	16008	A
COMPASS	BX1	X1-X5		COMPASS	16009	A
COMPASS	NZ	X1,PBN4	CHANGE BLANK COMMON BLOCK NAME	COMPASS	16010	A
COMPASS	SX1	2R//		COMPASS	16011	A
COMPASS	PBN4	SA3	A1+2	COMPASS	16012	A
COMPASS		MX6	6	COMPASS	16013	A
COMPASS	PBN5	LX1	6			
			LEFT JUSTIFY BLOCK NAME			

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

1	COMPASS	BX4	X6+X1		COMPASS	16014	A	
2	COMPASS	BX1	X7+X1		COMPASS	16015	A	
3	COMPASS	ZR	X4,PBN5		COMPASS	16016	A	
4	COMPASS	BX6	X1		COMPASS	16017	A	
5	COMPASS	SA6	LINE	STORE BLOCK NAME	COMPASS	16018		I
6	-CMP30							
7	COMPASS	MX0	-9		CMP30	4933	A	
8	COMPASS	PL	X5,PBN6	IF NOT LCM	COMPASS	16019	A	
9	COMPASS	SA5	=10HLCM		COMPASS	16020		I
10	-CMP30							
11	COMPASS	SX1	1R+-1R		CMP30	4934	A	
12	COMPASS	SA4	ABSFG		CMP30	4935	A	
13	COMPASS	SA5	LLB		CMP30	4936	A	
14	COMPASS	IX6	X6+X1	APPEND + BEFORE BLOCK TYPE	CMP30	4937	A	
15	COMPASS	LX4	24		CMP30	4938	A	
16	COMPASS	BX5	X4+X5		CMP30	4939	A	
17	COMPASS	BX4	X5-X3		CMP30	4940	A	
18	COMPASS	AX4	24		CMP30	4941	A	
19	COMPASS	BX4	-X0*X4		CMP30	4942	A	
20	COMPASS	NZ	X4,PBN6	IF NOT LOCAL LCM BLOCK IN REL ASSEMBLY	CMP30	4943	A	
21	COMPASS	SA5	=10HLOCAL		CMP30	4944	A	
22	COMPASS	EQ	PBN7		COMPASS	16021	A	
23	COMPASS	PBN6	BX5	X3	COMPASS	16022	A	
24	COMPASS	AX5	24		COMPASS	16023	A	
25	COMPASS	SB7	X5		COMPASS	16024		I
26	-CMP30							
27	COMPASS	BX2	-X0*X5		CMP30	4945	A	
28	COMPASS	SB7	X2		CMP30	4946	A	
29	COMPASS	SA5	=10HCOMMON		COMPASS	16025	A	
30	COMPASS	GT	B7,B1,PBN7		COMPASS	16026	A	
31	COMPASS	SA5	B7+=20HABSOLUTE	LOCAL	COMPASS	16027	A	
32	COMPASS	PBN7	BX6	X5	COMPASS	16028		I
33	-CMP30							
34	COMPASS	PBN7	SA6	LINE	CMP30	4947	A	
35	COMPASS	BX6	X5	STORE BLOCK NAME	CMP30	4948	A	
36	COMPASS	SA6	A6+B1	STORE BLOCK TYPE	COMPASS	16029	A	
37	COMPASS	MX0	-21	PACK AWAY BLOCK LENGTHS AND ORIGINS	COMPASS	16030	A	
38	COMPASS	BX1	-X0*X3		COMPASS	16031	A	
39	COMPASS	SA2	A1+B1		COMPASS	16032	A	
40	COMPASS	BX5	-X0*X2		COMPASS	16033	A	
41	COMPASS	RJ	CONOCT	LIST FIRST WORD ADDRESS	COMPASS	16034	A	
42	COMPASS	LX6	12		COMPASS	16035		I
43	-CMP042							
44	COMPASS	LX6	18		CMP042	280	A	
45	COMPASS	BX1	X5	LIST LENGTH	COMPASS	16036	A	
46	COMPASS	SA6	LINE+2		COMPASS	16037	A	
47	COMPASS	RJ	CONOCT		COMPASS	16038	A	
48	COMPASS	LX6	12		COMPASS	16039		I
49	-CMP042							
50	COMPASS	LX6	18		CMP042	281	A	
51	COMPASS	SA6	LINE+3		COMPASS	16040	A	
52	COMPASS	SA4	P2TEMPA	LIST LINE IF LENGTH IS NON-ZERO	COMPASS	16041	A	
53	0	1	2	3	4	5	6	7
54	1234567890123456789012345678901234567890123456789012345678901234567890							
55								
56								
57								
58								
59								
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA1	A4-B1		COMPASS	16042	A
COMPASS	IX4	X4-X1		COMPASS	16043	A
COMPASS	SB7	X4-13	OR BEYOND OUR 3 BLOCKS	COMPASS	16044	I
-CMP30						
COMPASS	SB7	X4-2*4-1	OR BEYOND OUR 3 BLOCKS	CMP30	4949	A
COMPASS	PL	B7,PBN8		COMPASS	16045	A
COMPASS	ZR	X5,PBN9	IF LENGTH = 0	COMPASS	16046	A
COMPASS	PBN8	RJ	LISTL	COMPASS	16047	A
COMPASS	PBN9	SA2	P2TEMPA INCREMENT INDEX	COMPASS	16048	A
COMPASS	SA3	A2+B1		COMPASS	16049	A
COMPASS	SX6	X2+6		COMPASS	16050	I
-CMP30						
COMPASS	SX6	X2+4		CMP30	4950	A
COMPASS	SA6	A2		COMPASS	16051	A
COMPASS	BX3	X6-X3		COMPASS	16052	A
COMPASS	NZ	X3,PBN3	LOOP	COMPASS	16053	A
COMPASS	SA1	=1H		COMPASS	16054	A
COMPASS	BX6	X1		COMPASS	16055	A
COMPASS	SA6	LINE		COMPASS	16056	A
COMPASS	SA6	A6+B1		COMPASS	16057	A
COMPASS	SA6	A6+B1		COMPASS	16058	A
COMPASS	SA6	A6+B1		COMPASS	16059	A
COMPASS	EQ	PBN	RETURN	COMPASS	16060	A
COMPASS	PEP	SPACE	4	COMPASS	16061	A
COMPASS	**	PEP -	PRINT ENTRY POINTS.	COMPASS	16062	A
COMPASS	*	ENTRY	(EI - EI+1) = EPTAB INDEX.	COMPASS	16063	A
COMPASS				COMPASS	16064	A
COMPASS				COMPASS	16065	A
COMPASS	PEP	PS	RETURN EXIT	COMPASS	16066	A
COMPASS	SA1	EI		COMPASS	16067	A
COMPASS	SA2	A1+B1		COMPASS	16068	A
COMPASS	IX1	X2-X1		COMPASS	16069	A
COMPASS	ZR	X1,PEP	IF NO ENTRY POINTS	COMPASS	16070	A
COMPASS	SX6	X1+3	DETERMINE NUMBER OF ROWS	COMPASS	16071	I
-CMP30						
COMPASS	AX6	2		COMPASS	16072	I
-CMP30						
COMPASS	SX6	X1+2		CMP30	4951	A
COMPASS	SX3	3	COMPUTE NUMBER OF ROWS	CMP30	4952	A
COMPASS	IX6	X6/X3		CMP30	4953	A
COMPASS	SA6	P2TEMP	NUMBER OF ROWS	COMPASS	16073	A
COMPASS	SA6	A6+B1	LINE INCREMENT	COMPASS	16074	A
COMPASS	SX0	2		COMPASS	16075	A
COMPASS	RJ	LBL		COMPASS	16076	A
COMPASS	SA1	=H*ENTRY POINTS.*		COMPASS	16077	A
COMPASS	SA2	A1+B1		COMPASS	16078	A
COMPASS	BX6	X1		COMPASS	16079	A
COMPASS	LX7	X2		COMPASS	16080	A
COMPASS	SA6	LINE		COMPASS	16081	A
COMPASS	SA7	A6+B1		COMPASS	16082	A
COMPASS	RJ	LIST2L		COMPASS	16083	A
COMPASS	PEP1	SA1	P2TEMP DECREMENT ROW COUNT	COMPASS	16084	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

1	COMPASS	SX6	X1-1		COMPASS	16085	A	1	
2	COMPASS	SA6	A1		COMPASS	16086	A	2	
3	COMPASS	ZR	X1,PEP	IF END OF TABLE	COMPASS	16087	A	3	
4	COMPASS	SA1	EI	ADVANCE ENTRY INDEX	COMPASS	16088	A	4	
5	COMPASS	SX6	X1+B1		COMPASS	16089	A	5	
6	COMPASS	SA6	A1		COMPASS	16090	A	6	
7	COMPASS	BX7	X1		COMPASS	16091	A	7	
8	COMPASS	SA7	P2TEPC		COMPASS	16092	A	8	
9	COMPASS	MX6	0	LINE INDEX	COMPASS	16093	A	9	
10	COMPASS	SA6	A7-B1		COMPASS	16094	A	10	
11	COMPASS	PEP2	SA2	P2TEPC	COMPASS	16095	A	11	
12	COMPASS	SA1	0.EPTAB	READ ENTRY ADDRESS	COMPASS	16096	A	12	
13	COMPASS	IX2	X1+X2		COMPASS	16097	A	13	
14	COMPASS	SA1	X2	READ ENTRY	COMPASS	16098	A	14	
15	COMPASS	MX0	1		CMP30	4954	A	15	
16	COMPASS	BX1	-X0*X1	CLEAR CONDITIONAL FLAG	CMP30	4955	A	16	
17	COMPASS	RJ	LJUST		COMPASS	16099	A	17	
18	COMPASS	SA1	A1	FETCH SYMBOL AGAIN	CMP30	4956	A	18	
19	COMPASS	MX5	1		CMP30	4957	A	19	
20	COMPASS	SA3	P2TEMPB	ROW INDEX	COMPASS	16100	A	20	
21	COMPASS	SX0	1R--1R		COMPASS	16101	I	21	
22	-CMP30							22	
23	COMPASS	SA1	A1	REFETCH NAME FOR LOOKUP	COMPASS	16102	I	23	
24	-CMP30							24	
25	COMPASS	PL	X1,PEP2A	IF NOT CONDITIONAL	CMP30	4958	A	25	
26	COMPASS	SX0	1R*-1R		CMP30	4959	A	26	
27	COMPASS	BX1	-X5*X1		CMP30	4960	A	27	
28	COMPASS	IX6	X6+X0		COMPASS	16103	A	28	
29	COMPASS	SA6	LINE+X3	STORE NAME	COMPASS	16104	I	29	
30	-CMP30							30	
31	COMPASS	PEP2A	SA6	LINE+X3	STORE NAME	CMP30	4961	A	31
32	COMPASS	MX7	0		COMPASS	16105	A	32	
33	COMPASS	SA7	EXERR		COMPASS	16106	A	33	
34	COMPASS	RJ	ZTLUSYM	LOOK UP SYMBOL	COMPASS	16107	A	34	
35	COMPASS	MX6	0		COMPASS	16108	A	35	
36	COMPASS	SA6	UERR		COMPASS	16109	A	36	
37	COMPASS	SA1	ELVAL	ERROR IF EXTERNAL OR NEGATIVE	COMPASS	16110	A	37	
38	COMPASS	SA3	=7A*****		COMPASS	16111	I	38	
39	-CMP30							39	
40	COMPASS	SA3	=20H *****		CMP30	4962	A	40	
41	COMPASS	SA4	A3+B1		CMP30	4963	A	41	
42	COMPASS	BX6	X3		COMPASS	16112	A	42	
43	COMPASS	SA2	ELEXT		COMPASS	16113	A	43	
44	COMPASS	SA3	EXERR	CHECK EXPRESSION ERROR	COMPASS	16114	A	44	
45	COMPASS	SA5	ELREL		CPS010	91	A	45	
46	COMPASS	BX2	X3+X2		COMPASS	16115	A	46	
47	COMPASS	NZ	X2,PEP4	IF BAD ENTRY POINT	COMPASS	16116	A	47	
48	COMPASS	SB7	X1	OCTAL NUMBER	COMPASS	16117	I	48	
49	-CMP30							49	
50	COMPASS	NG	B7,PEP4	IF NEGATIVE	COMPASS	16118	I	50	
51	-CMP30							51	
52	COMPASS	SA2	ELREL		CMP30	4964	I	52	
53								53	
54								54	

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS010

1	COMPASS	MI	X1,PEP4	IF VALUE IS NEGATIVE	CMP30	4965	I	1
2	-CPS010							2
3	COMPASS	AX2	8		CMP30	4966	I	3
4	-CPS010							4
5	COMPASS	NZ	X2,PEP4	IF NEGATIVE RELOCATION	CMP30	4967	I	5
6	-CPS010							6
7	COMPASS	SX7	X5-401B		CPS010	92	A	7
8	COMPASS	LX5	59-8		CPS010	93	I	8
9	-CPS251							9
10	COMPASS	BX2	X1		CPS010	94	I	10
11	-CPS251							11
12	COMPASS	PL	X5,PEP2B	IF POSITIVE RELOCATION	CPS010	95	I	12
13	-CPS251							13
14	COMPASS	NZ	X7,PEP4	IF NOT PROGRAM RELOCATION	CPS010	96	I	14
15	-CPS251							15
16	COMPASS	BX1	-X1		CPS010	97	I	16
17	-CPS251							17
18	COMPASS	PEP2B	MI	IF LESS THAN BLOCK ORIGIN	CPS010	98	I	18
19	-CPS251							19
20	COMPASS	RJ	CONOCT	CONVERT VALUE TO OCTAL	COMPASS	16119	I	20
21	-CPS251							21
22	COMPASS	MI	X7,PEP2B	IF +RELOCATION	CPS251	7	A	22
23	COMPASS	NZ	X7,PEP4	IF -COMMON RELOCATION	CPS251	8	A	23
24	COMPASS	BX1	-X1		CPS251	9	A	24
25	COMPASS				CPS251	10	A	25
26	COMPASS	PEP2B	RJ	CONOCT	CPS251	11	A	26
27	COMPASS	SA4	=10R	CONVERT TO OCTAL	F4820	741	A	27
28	COMPASS	SA1	ELREL		CMP30	4968	A	28
29	COMPASS	LX6	12		CMP30	4969	A	29
30	COMPASS	ZR	X1,PEP4	IF ABSOLUTE	CMP30	4970	A	30
31	COMPASS	SA3	LLB		CMP30	4971	A	31
32	COMPASS	SX7	X1-401B		CPS010	99	A	32
33	COMPASS	SX0	1R+-1R		CMP30	4972	A	33
34	COMPASS	SX2	X1-1		CMP30	4973	A	34
35	COMPASS	LX0	6		CMP30	4974	I	35
36	-CPS010							36
37	COMPASS	IX6	X6+X0	APPEND + AFTER VALUE	CMP30	4975	I	37
38	-CPS010							38
39	COMPASS	NZ	X7,PEP2C	IF NOT NEGATIVE PROGRAM RELOCATION	CPS010	100	A	39
40	COMPASS	SX0	1R--1R		CPS010	101	A	40
41	COMPASS	SX2	B0		CPS010	102	A	41
42	COMPASS	PEP2C	LX0	6	CPS010	103	A	42
43	COMPASS	IX6	X6+X0	APPEND + OR - AFTER VALUE	CPS010	104	A	43
44	COMPASS	LX1	24		CMP30	4976	A	44
45	COMPASS	BX3	X3-X1		CMP30	4977	A	45
46	COMPASS	ZR	X2,PEP4	IF LOCAL SCM	CMP30	4978	A	46
47	COMPASS	NZ	X3,PEP3	IF NOT LOCAL LCM	CMP30	4979	A	47
48	COMPASS	LX0	60-12		CMP30	4980	A	48
49	COMPASS	IX6	X6+X0	APPEND + BEFORE VALUE	CMP30	4981	A	49
50	COMPASS	EQ	PEP4		CMP30	4982	A	50
51	COMPASS	PEP3	SA3	0.USETAB	CMP30	4983	A	51

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	SA2	UI		RSM4159	40	A	
1	COMPASS	IX3	X2+X3	BASE ADDRESS OF BLOCK GROUP	RSM4159	41	A	1
2	COMPASS	SA2	X3+2		CMP30	4984	A	2
3	COMPASS	SX4	1R/-1R	APPEND / AFTER + AFTER VALUE	CMP30	4985	A	3
4	COMPASS	MX5	-9		CMP30	4986	A	5
5	COMPASS	IX6	X6+X4		CMP30	4987	A	6
6	COMPASS	LX5	24		CMP30	4988	A	7
7	COMPASS	PEP3A	BX3	-X5*X2	SEARCH USE TABLE FOR BLOCK	CMP30	4989	A
8	COMPASS		IX7	X3-X1	WITH MATCHING RELOCATION	CMP30	4990	A
9	COMPASS		SA2	A2+4		CMP30	4991	A
10	COMPASS		NZ	X7,PEP3A		CMP30	4992	A
11	COMPASS		SA1	A2-6	GET BLOCK NAME	CMP30	4993	A
12	COMPASS		LX0	60-12		CMP30	4994	A
13	COMPASS		BX7	X1		CMP30	4995	A
14	COMPASS		SX4	1R/		CMP30	4996	A
15	COMPASS		AX7	59		CMP30	4997	A
16	COMPASS		BX1	X1-X7	UNCOMPLEMENT BLOCK NAME IF LCM	CMP30	4998	A
17	COMPASS		BX0	X0*X7		CMP30	4999	A
18	COMPASS		LX1	6		CMP30	5000	A
19	COMPASS		IX6	X6+X0	APPEND + BEFORE VALUE IF LCM	CMP30	5001	A
20	COMPASS		BX1	X1+X4	APPEND / AFTER BLOCK NAME	CMP30	5002	A
21	COMPASS		SA6	ELEXT		CMP30	5003	A
22	COMPASS		RJ	LJUST	LEFT JUSTIFY BLOCK NAME	CMP30	5004	A
23	COMPASS		SA1	ELEXT		CMP30	5005	A
24	COMPASS		BX4	X6		CMP30	5006	A
25	COMPASS		LX6	X1		CMP30	5007	A
26	COMPASS	PEP4	SA3	P2TEMPB		COMPASS	16120	A
27	COMPASS		LX6	12		COMPASS	16121	I
28		-CMP30						
29	COMPASS		BX7	X4		CMP30	5008	A
30	COMPASS		SA6	LINE+1+X3		COMPASS	16122	A
31	COMPASS		SA7	A6+B1		CMP30	5009	A
32	COMPASS		SA2	A3-B1	INCREMENT TABLE INDEX	COMPASS	16123	A
33	COMPASS		SA4	A3+B1		COMPASS	16124	A
34	COMPASS		SX6	X3+2	INCREMENT LINE LENGTH	COMPASS	16125	I
35		-CMP30						
36	COMPASS		SX6	X3+3	INCREMENT LINE LENGTH	CMP30	5010	A
37	COMPASS		IX7	X2+X4		COMPASS	16126	A
38	COMPASS		SA6	A3		COMPASS	16127	A
39	COMPASS		SA7	A4		COMPASS	16128	A
40	COMPASS		SA2	EI+1		COMPASS	16129	A
41	COMPASS		IX6	X2-X7		COMPASS	16130	A
42	COMPASS		SB7	X6		COMPASS	16131	A
43	COMPASS		GT	B7,PEP2	LOOP TO END OF LINE	COMPASS	16132	A
44	COMPASS		RJ	LISTL		COMPASS	16133	A
45	COMPASS		EQ	PEP1	LOOP	COMPASS	16134	A
46	COMPASS	PES	SPACE	4		COMPASS	16135	A
47	COMPASS	**	PEP	- PRINT EXTERNAL SYMBOLS.		COMPASS	16136	A
48	COMPASS					COMPASS	16137	A
49	COMPASS					COMPASS	16138	A
50	COMPASS	PES	PS		RETURN EXIT	COMPASS	16139	A
51	COMPASS		SA1	L.EXTAB		COMPASS	16140	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SB3	X1			CMP30	5018	A
COMPASS	SB5	X2			CMP30	5019	A
COMPASS	ZR	B5,PLM5	IF NO EXTERNAL SYMBOLS		CMP30	5020	A
COMPASS	PLM4	SA1	B3		CMP30	5021	A
COMPASS	MX0	1			CP154	40	A
COMPASS	SB5	B5-B1			CMP30	5022	A
COMPASS	BX5	X0*X1	SAVE WEAK-EXT FLAG FROM BIT 59		CP154	41	A
COMPASS	IX1	X1-X5			CP154	42	A
COMPASS	RJ	LJUST	LEFT JUSTIFY SYMBOL		CMP30	5023	A
COMPASS	LX5	0-59			CP154	43	A
COMPASS	BX7	X7+X5	INSERT WEAK-EXT FLAG INTO BIT 0		CP154	44	A
COMPASS	SB3	B3+B1			CMP30	5024	A
COMPASS	SA7	A1			CMP30	5025	A
COMPASS	NZ	B5,PLM4	LOOP		CMP30	5026	A
COMPASS					CMP30	5027	A
COMPASS	PLM5	SA1	=1H	CLEAR SUBTITLE	CMP30	5028	A
COMPASS	MX7	0	RESET ORGCTR		COMPASS	16222	A
COMPASS	BX6	X1			COMPASS	16223	A
COMPASS	SA7	SI			COMPASS	16224	A
COMPASS	SA7	ORGCTR			COMPASS	16225	A
COMPASS	SA6	SUBTIT			COMPASS	16226	A
COMPASS	SA6	A6+B1			COMPASS	16227	A
COMPASS	SA6	A6+B1			COMPASS	16228	A
COMPASS	SA7	SEQ			COMPASS	16229	A
COMPASS	RJ	AEI	ADVANCE ENTRY INDEX		COMPASS	16230	A
COMPASS	SX6	10	RESTORE NUMBER BASE		COMPASS	16231	A
COMPASS	SA6	NBASE			COMPASS	16232	A
COMPASS	EQ	PLM	RETURN		COMPASS	16233	A
COMPASS	PLO	SPACE	4		COMPASS	16234	A
COMPASS	**	PLO	- PRESET LIST OPTIONS.		COMPASS	16235	A
COMPASS					COMPASS	16236	A
COMPASS					COMPASS	16237	A
COMPASS	PLO	PS	RETURN EXIT		COMPASS	16238	A
COMPASS	SA1	CP.LISTF	IF L = 0		CPS010	105	A
COMPASS	SA2	LL+1	OR LIST -L		CPS010	106	A
COMPASS	SA3	LR+1	OR LIST -R		CPS010	107	A
COMPASS	SX6	B1			CPS010	108	A
COMPASS	BX4	X1*X6	THEN SET PERMANENT REFERENCE		CPS010	109	A
COMPASS	BX5	X2*X3	SUPPRESSION FLAG = 0		CPS010	110	A
COMPASS	BX6	X4*X5			CPS010	111	A
COMPASS	SA6	LXRF			CPS010	112	A
COMPASS	SB7	LLISTOPS/2	INITIALIZE LIST OPTIONS		COMPASS	16239	A
COMPASS	SA1	LISTOPS			COMPASS	16240	A
COMPASS	PL01	SX6	X1		COMPASS	16241	A
COMPASS	SA6	A1+B1			COMPASS	16242	A
COMPASS	SB7	B7-B1			COMPASS	16243	A
COMPASS	SA1	A6+B1			COMPASS	16244	A
COMPASS	NZ	B7,PL01	LOOP		COMPASS	16245	A
COMPASS	SA1	LISTFG	SET CROSS-REF FLAG		COMPASS	16246	I
-CMP30							
COMPASS	SA1	CP.LISTF	SET CROSS-REF FLAG		CMP30	5029	I
-CPS010							
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA2	LR	COMPASS	16247	I
-CPS010					
COMPASS	UX2	X2	COMPASS	16248	I
-CPS010					
COMPASS	BX6	X1*X2	COMPASS	16249	I
-CPS010					
COMPASS	SA6	A2+B1	COMPASS	16250	I
-CPS010					
COMPASS	RJ	SVF	COMPASS	16251	I
-CMP30		SAVE LIST FLAGS			
COMPASS	EQ	PL0	COMPASS	16252	A
COMPASS	PLT	SPACE 4	CMP17	45	A
COMPASS	**	PLT - PRINT LITERAL TABLE.	CMP17	46	A
COMPASS			CMP17	47	A
COMPASS			CMP17	48	A
COMPASS	PLT	PS	CMP17	49	A
		RETURN EXIT			
COMPASS	SA1	=1H	CPS010	113	A
COMPASS	SA2	LD+1	CMP17A	1	A
COMPASS	SA3	LL+1	CMP17A	2	A
COMPASS	SA4	LISTFG	CMP17A	3	I
-CMP30					
COMPASS	SA4	CP.LISTF	CMP30	5030	A
COMPASS	BX3	X2*X3	CMP17A	4	A
COMPASS	LX6	X1	CPS010	114	A
COMPASS	BX3	X3*X4	CMP17A	5	I
-CPS069					
COMPASS	SA6	UNAME	CPS010	115	I
-CPS069					
COMPASS	SA1	O.USETAB	CPS069	1	A
COMPASS	SA2	UI	CPS069	2	A
COMPASS	IX1	X1+X2	CPS069	3	A
COMPASS	BX3	X3*X4	CPS069	4	A
COMPASS	SA1	X1+2*4+2	CPS069	5	A
COMPASS	SA2	LPGM	CPS069	6	A
COMPASS	AX1	33	CPS069	7	A
COMPASS	IX2	X2-X1	CPS069	8	A
COMPASS	SA6	UNAME	CPS069	9	A
COMPASS	+	PL	CPS069	10	A
COMPASS	SX3	B1	CPS069	11	A
COMPASS	ZR	X3,PLT	CMP17A	6	A
COMPASS	RJ	LDL	CMP17	50	A
COMPASS	SA1	=1H	CMP17	51	I
-CPS010					
COMPASS	SA2	LD+1	CMP17	52	I
-CMP17A					
COMPASS	SA3	LL+1	CMP17	53	I
-CMP17A					
COMPASS	SA4	LISTFG	CMP17	54	I
-CMP17A					
COMPASS	LX6	X1	CMP17	55	I
-CPS010					
COMPASS	BX3	X2*X3	CMP17	56	I

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP17A

1	COMPASS	-CPS010	SA6	UNAME	CLEAR UNAME	CMP17	57	I	1
2									2
3	COMPASS		BX3	X3*X4		CMP17	58	I	3
4		-CMP17A							4
5	COMPASS		ZR	X3,PLT16	IF LIST -D OR LIST -L OR L=0	CMP17	59	I	5
6		-CMP17A							6
7	COMPASS		SA1	=0RLITERALS		CMP17	60	A	7
8	COMPASS		SA2	IND		CMP17	61	A	8
9	COMPASS		BX7	X1		CMP17	62	A	9
10	COMPASS		SA6	QNAME	CLEAR QNAME	CMP17	63	A	10
11	COMPASS		SA7	SUBNAME	SUBNAME = *LITERALS*	CMP17	64	A	11
12	COMPASS		ZR	X2,PLT1	IF IND = 0	CMP17	65	A	12
13	COMPASS		MX6	0		CMP17	66	A	13
14	COMPASS		SB6	ERFLAGS		CMP17	67	A	14
15	COMPASS		SB7	LEFLG-1		CMP17	68	A	15
16	COMPASS		SA6	EFLG		CMP17	69	A	16
17	COMPASS	+	SA6	B6+B7	CLEAR ERROR FLAGS	CMP17	70	A	17
18	COMPASS		SB7	B7-B1		CMP17	71	A	18
19	COMPASS		PL	B7,*		CMP17	72	A	19
20	COMPASS		SB7	LIBFLG-NOAS-1		CMP17	73	A	20
21	COMPASS		SA6	LIBFLG		CMP17	74	A	21
22	COMPASS	+	SB7	B7-B1	CLEAR INDICATORS	CMP17	75	A	22
23	COMPASS		SA6	A6-B1		CMP17	76	A	23
24	COMPASS		PL	B7,*		CMP17	77	A	24
25	COMPASS	PLT1	SX6	LINE+9*NCARDS		CMP17	78	A	25
26	COMPASS		MX1	0		CMP17	79	A	26
27	COMPASS		SA6	LLINE		CMP17	80	A	27
28	COMPASS		RJ	SQV	SET BLANK QUALIFIER	CMP17	81	A	28
29	COMPASS		RJ	CUL	CLEAN UP LINE AREA	CMP17	82	A	29
30	COMPASS		SX6	B1		CMP17	83	A	30
31	COMPASS		SA6	PLFLG		CMP17	84	A	31
32	COMPASS					CMP17	85	A	32
33	COMPASS	**	LIST SYMBOL LITERALS WHICH COMPASS DEFINED BY DEFAULT.			CMP17	86	A	33
34	COMPASS					CMP17	87	A	34
35	COMPASS		SA1	DI		CMP17	88	A	35
36	COMPASS		SA2	A1+B1		CMP17	89	A	36
37	COMPASS		SA3	0.SLITS		CMP17	90	A	37
38	COMPASS		IX2	X2-X1		CMP17	91	A	38
39	COMPASS		ZR	X2,PLT6	IF NO SYMBOL LITERALS	CMP17	92	A	39
40	COMPASS		IX3	X3+X1		CMP17	93	A	40
41	COMPASS		SB7	X2		CMP17	94	A	41
42	COMPASS		SA1	X3		CMP17	95	A	42
43	COMPASS	+	NG	X1,PLT2	IF DEFINED BY COMPASS	CMP17	96	A	43
44	COMPASS		SB7	B7-B1		CMP17	97	A	44
45	COMPASS		SA1	A1+B1		CMP17	98	A	45
46	COMPASS		NZ	B7,*-1		CMP17	99	A	46
47	COMPASS		EQ	PLT6	IF ALL DEFINED BY PROGRAMMER	CMP17	100	A	47
48	COMPASS	PLT2	RJ	LISTER		CMP17	101	A	48
49	COMPASS		SX1	4		CMP17	102	A	49
50	COMPASS		SX2	=H+DEFAULT SYMBOLS DEFINED BY COMPASS.+		CMP17	103	A	50
51	COMPASS		SX3	LINE		CMP17	104	A	51

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	RJ	MOVE		CMP17	105	A	
COMPASS	RJ	LISTER		CMP17	106	A	
COMPASS	RJ	LISTER		CMP17	107	A	
COMPASS	SX6	B1		CMP17	108		I
-CPS010							
COMPASS	SA6	SUPREF		CMP17	109		I
-CPS010							
COMPASS	PLT3	SA1	DI	GET NEXT SYMBOL	CMP17	110	A
COMPASS		SA2	A1+B1		CMP17	111	A
COMPASS		SA3	O.SLITS		CMP17	112	A
COMPASS		IX2	X2-X1		CMP17	113	A
COMPASS		SX6	X1+B1		CMP17	114	A
COMPASS		IX3	X1+X3		CMP17	115	A
COMPASS		SA6	A1		CMP17	116	A
COMPASS	ZR	X2,PLT5	IF END OF TABLE		CMP17	117	A
COMPASS	SA1	X3			CMP17	118	A
COMPASS	MX0	12			CMP17	119	A
COMPASS	PL	X1,PLT3	IF DEFINED BY PROGRAMMER		CMP17	120	A
COMPASS	BX1	-X0*X1			CMP17	121	A
COMPASS	RJ	LJUST	STORE SYMBOL LEFT JUSTIFIED		CMP17	122	A
COMPASS	SA6	LINE			CMP17	123	A
COMPASS	RJ	TLUSYMT	LOOK UP SYMBOL		CMP17	124	A
COMPASS	LX2	59-31			CMP17	125	A
COMPASS	PL	X2,PLT4	IF NOT EXTERNAL		CMP17	126	A
COMPASS	SX6	1RX			CMP17	127	I
-CP154							
COMPASS	LX2	0-21-59+31			CP154	45	A
COMPASS	SA1	0.EXTAB			CP154	46	A
COMPASS	MX0	-9	EXTRACT EXTERNAL NUMBER		CP154	47	A
COMPASS	BX6	-X0*X2			CP154	48	A
COMPASS	SB7	X1-1			CP154	49	A
COMPASS	SA1	B7+X6	FETCH EXTAB ENTRY (WEAK-EXT FLAG IN BIT 0)		CP154	50	A
COMPASS	LX2	59-31-0+21			CP154	51	A
COMPASS	SX6	1RX+X1	SET *X* OR *Y*		CP154	52	A
COMPASS	SA6	OCTAL+15			CMP17	128	A
COMPASS	PLT4	LX2	32		CMP17	129	A
COMPASS		BX3	X3-X3		CMP17	130	A
COMPASS		MX0	-21		CMP17	131	A
COMPASS		BX1	-X0*X2	VALUE	CMP17	132	A
COMPASS		SX2	14		CMP17	133	A
COMPASS		RJ	PACK0	CALL PACK0 (VALUE,14,0)	CMP17	134	A
COMPASS		RJ	LISTER		CMP17	135	A
COMPASS		EQ	PLT3	LOOP	CMP17	136	A
COMPASS	PLT5	SA1	LI		CMP17	137	A
COMPASS		SA2	A1+B1		CMP17	138	A
COMPASS		IX2	X2-X1		CMP17	139	A
COMPASS		ZR	X2,PLT10	IF NO LITERALS	CMP17	140	A
COMPASS		EQ	PLT7		CMP17	141	A
COMPASS					CMP17	142	A
COMPASS	**	LIST CONTENT OF LITERALS BLOCK.			CMP17	143	A
COMPASS					CMP17	144	A
COMPASS	PLT6	SA1	LI		CMP17	145	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	PLT9	SA6	LINE		CMP17	188	A
COMPASS		RJ	PACK0	PACK VALUE	CMP17	189	A
COMPASS		SA1	ORGCTR		CMP17	190	I
	-CPS069						
COMPASS		SA4	MACHINE		CMP17	191	I
	-CPS069						
COMPASS		SA1	O.USETAB		CPS069	12	A
COMPASS		SA2	UI		CPS069	13	A
COMPASS		IX1	X1+X2		CPS069	14	A
COMPASS		SA1	X1+2*4+2		CPS069	15	A
COMPASS		AX1	33	LWA OF LITERALS BLOCK	CPS069	16	A
COMPASS		SA2	LPGM		CPS069	17	A
COMPASS		IX2	X2-X1		CPS069	18	A
COMPASS		SX6	B1		CPS069	19	A
COMPASS		SA1	ORGCTR		CPS069	20	A
COMPASS		PL	X2,PLT9A	IF LITERALS BLOCK WITHIN SEGMENT	CPS069	21	A
COMPASS		SA6	RERR	RANGE ERROR IF LIT BLOCK OUTSIDE SEGMENT	CPS069	22	A
COMPASS		SA6	EFLG		CPS069	23	A
COMPASS	PLT9A	SA4	MACHINE		CPS069	24	A
COMPASS		SX2	14		CMP17	192	A
COMPASS		MX3	0		CMP17	193	A
COMPASS		SX6	X1+B1	ADVANCE ORGCTR	CMP17	194	A
COMPASS		LX5	X4,B1		CMP17	195	A
COMPASS		SA6	A1		CMP17	196	A
COMPASS		IX2	X2-X5		CMP17	197	A
COMPASS		RJ	PACK0	PACK LOCATION	CMP17	198	A
COMPASS		RJ	LISTER		CMP17	199	A
COMPASS		EQ	PLT8	LOOP	CMP17	200	A
COMPASS					CMP17	201	A
COMPASS	*		WRAPUP.		CMP17	202	A
COMPASS					CMP17	203	A
COMPASS	PLT10	RJ	LISTER		CMP17	204	A
COMPASS	PLT11	SA1	QVAL+1	RESTORE QUAL VALUE	CMP17	205	A
COMPASS		SA2	O.QVTAB		CMP17	206	A
COMPASS		BX6	X1		CMP17	207	A
COMPASS		LX1	12		CMP17	208	A
COMPASS		SA6	A1-B1		CMP17	209	A
COMPASS		SB7	X2-1		CMP17	210	A
COMPASS		ZR	X1,PLT12	IF BLANK QUALIFIER	CMP17	211	A
COMPASS		SA1	X1+B7	GET QUAL SYMBOL	CMP17	212	A
COMPASS		MX6	-48		CMP17	213	A
COMPASS		BX1	-X6*X1		CMP17	214	A
COMPASS	PLT12	RJ	LJUST	LEFT JUSTIFY AND	CMP17	215	A
COMPASS		SA6	QNAME	STORE WITH BLANK FILL	CMP17	216	A
COMPASS		SA1	IND		CMP17	217	A
COMPASS		ZR	X1,PLT15	IF IND = 0	CMP17	218	A
COMPASS		SB7	LEFLG-1		CMP17	219	A
COMPASS		SB6	ERFLAGS+1		CMP17	220	A
COMPASS		MX0	60-LEFLG		CMP17	221	A
COMPASS		SX6	B1		CMP17	222	A
COMPASS		BX2	-X0*X1		CMP17	223	A
COMPASS		SX5	B1		CMP17	224	A

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## 1412THE

1[illegible]

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP30

1	COMPASS	LX1	59			COMPASS	16272		I	1
2	-CMP30									2
3	COMPASS	SA3	CP.LISTF			CMP30	5033	A		3
4	COMPASS	ZR	X3,PRS4	IF NO LIST		COMPASS	16273	A		4
5	COMPASS	PL	X1,PRS2	IF PAGE COUNT EVEN		COMPASS	16274		I	5
6	-CMP30									6
7	COMPASS	WRITEW	O,(=2L1 ),1			COMPASS	16275		I	7
8	-CMP30									8
9	COMPASS	PRS2	SA2	E		COMPASS	16276		I	9
10	-CMP30									10
11	COMPASS	SA2	E			CMP30	5034	A		11
12	COMPASS	ZR	X2,PRS4	IF ERROR FILE SAME AS OUTPUT FILE		COMPASS	16277	A		12
13	COMPASS	SA1	CP.BATCH			CPS198	5	A		13
14	COMPASS	LX1	59-11			CPS198	6	A		14
15	COMPASS	NG	X1,PRS4	IF COMPASS WAS CALLED BY A COMPILER		CPS198	7	A		15
16	COMPASS	SA1	O+2			COMPASS	16278		I	16
17	-CMP30									17
18	COMPASS	SA2	A1+B1			COMPASS	16279		I	18
19	-CMP30									19
20	COMPASS	BX6	X1-X2			COMPASS	16280		I	20
21	-CMP30									21
22	COMPASS	ZR	X6,PRS3	IF NO DATA IN OUTPUT BUFFER		COMPASS	16281		I	22
23	-CMP30									23
24	COMPASS	WRITER	O,R			COMPASS	16282		I	24
25	-CMP30									25
26	COMPASS	PRS3	SA1	IDNAM	WRITE HEADER	COMPASS	16283		I	26
27	-CMP30									27
28	COMPASS					F4810A	F4810A	338	A	28
29	COMPASS	RM	IFEQ	CP#RM,0		F4810A	F4810A	339	A	29
30	COMPASS					F4810A	F4810A	340	A	30
31	COMPASS	SX7	B1+B1			F4810A	F4810A	341	A	31
32	COMPASS	SA7	A7	2 INDICATES LINE COUNT AFTER HEADER PRINTED		F4810A	F4810A	342	A	32
33	COMPASS	SA1	FRSTLIN			F4810A	F4810A	343	I	33
34	-CPS239									34
35	COMPASS	ZR	X1,PRS1A	IF NO NEED TO RESET PRINTER DENSITY		F4810A	F4810A	344	I	35
36	-CPS239									36
37	COMPASS	WRITEH	O,FRSTLIN,1	ELSE RESET PRINTER DENSITY		F4810A	F4810A	345	I	37
38	-CPS239									38
39	COMPASS	MX6	60			F4810A	F4810A	346	I	39
40	-CPS239									40
41	COMPASS	SA6	FRSTLIN	-0 INDICATES THAT PRINTER HAS BEEN RESET		F4810A	F4810A	347	I	41
42	-CPS239									42
43	COMPASS	PRS1A	BSS	0		F4810A	F4810A	348	I	43
44	-CPS239									44
45	COMPASS	SA1	IDNAM	WRITE HEADER		CMP30	5035	A		45
46	COMPASS	RJ	LJUST			COMPASS	16284	A		46
47	COMPASS					CMP30	5036		I	47
48	-F4810A									48
49	COMPASS	RM	IFEQ	CP#RM,0		CMP30	5037		I	49
50	-F4810A									50
51	COMPASS					CMP30	5038		I	51

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-F4810A

1	COMPASS	MX0	36			COMPASS	16285	A	
2	COMPASS	SX1	1R*			COMPASS	16286	A	
3	COMPASS	BX0	X0*X7			COMPASS	16287	A	
4	COMPASS	BX7	X0+X1			COMPASS	16288	A	
5	COMPASS	LX7	-6			COMPASS	16289	A	
6	COMPASS	SA7	P2TEMP			COMPASS	16290	A	
7	COMPASS	WRITEW	0,A7,1			COMPASS	16291	A	
8	COMPASS	SA1	CP.PAGE			CPS236	63	A	
9	COMPASS	LX0	X1,B1			CPS236	64	A	
10	COMPASS	MI	X0,PRS4	FILE ALREADY WRITTEN TO		CPS236	65	A	
11	COMPASS	MX0	1			CPS236	66	A	
12	COMPASS	LX0	-1			CPS236	67	A	
13	COMPASS	BX7	X1+X0			CPS236	68	A	
14	COMPASS	SA7	CP.PAGE	SET FIRST WRITING FLAG		CPS236	69	A	
15	COMPASS	SA1	FRSTLIN			CPS239	4	A	
16	COMPASS	ZR	X1,PRS4	IF NO NEED TO RESET PRINTER DENSITY		CPS239	5	A	
17	COMPASS	WRITEH	0,FRSTLIN,1	ELSE RESET PRINTER DENSITY		CPS239	6	A	
18	COMPASS	MX6	60			CPS239	7		I
19		-CPS236							
20	COMPASS	SA6	FRSTLIN	-0 INDICATES PRINTER HAS BEEN SET		CPS239	8		I
21		-CPS236							
22	COMPASS	PRS4	MX1	0	CLEAR OUT PASS 2 FLAGS	COMPASS	16292		I
23		-CMP30							
24	COMPASS	SX2	CLP2			COMPASS	16293		I
25		-CMP30							
26	COMPASS					CMP30	5039	A	
27	COMPASS	RM	ELSE			CMP30	5040	A	
28	COMPASS					CMP30	5041	A	
29	COMPASS	SX7	B1+B1		F4810A	F4810A	349	A	
30	COMPASS	SA7	A7	2 INDICATES LINE COUNT AFTER HEADER PRINTED	F4810A	F4810A	350	A	
31	COMPASS	SA1	FRSTLIN		F4810A	F4810A	351		I
32		-CPS239							
33	COMPASS	ZR	X1,PRS1A	IF NO NEED TO RESET PRINTER DENSITY	F4810A	F4810A	352		I
34		-CPS239							
35	COMPASS	PUT	0,FRSTLIN,10	ELSE RESET PRINTER DENSITY	F4810A	F4810A	353		I
36		-CPS239							
37	COMPASS	MX6	60		F4810A	F4810A	354		I
38		-CPS239							
39	COMPASS	SA6	FRSTLIN	-0 INDICATES PRINTER HAS BEEN RESET	F4810A	F4810A	355		I
40		-CPS239							
41	COMPASS	PRS1A	SA1	IDNAM	WRITE HEADER	F4810A	F4810A	356	
42		-CPS239							I
43	COMPASS	SA1	IDNAM	WRITE HEADER		CPS239	9	A	
44	COMPASS	RJ	LJUST		F4810A	F4810A	357	A	
45	COMPASS	MX0	-6			CMP30	5042	A	
46	COMPASS	SX1	1R*			CMP30	5043	A	
47	COMPASS	BX0	X0*X6			CMP30	5044	A	
48	COMPASS	BX7	X0+X1			CMP30	5045	A	
49	COMPASS	LX7	-6			CMP30	5046	A	
50	COMPASS	SA7	P2TEMP			CMP30	5047	A	
51	COMPASS	PUT	0,P2TEMP,10			CMP30	5048	A	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	SA1	CP.PAGE		CPS236	70	A		
1	COMPASS	LX0	X1,B1		CPS236	71	A	1	
2	COMPASS	MI	X0,PRS4	FILE ALREADY WRITTEN TO	CPS236	72	A	2	
3	COMPASS	MX0	1		CPS236	73	A	3	
4	COMPASS	LX0	-1		CPS236	74	A	5	
5	COMPASS	BX7	X1+X0		CPS236	75	A	6	
6	COMPASS	SA7	CP.PAGE	SET FIRST WRITING FLAG	CPS236	76	A	7	
7	COMPASS	SA1	FRSTLIN		CPS239	10	A	9	
8	COMPASS	ZR	X1,PRS4	IF NO NEED TO RESET PRINTER DENSITY	CPS239	11	A	10	
9	COMPASS	PUT	0,FRSTLIN,10	ELSE RESET PRINTER DENSITY	CPS239	12	A	11	
10	COMPASS	MX6	60		CPS239	13	A	13	
11	COMPASS	SA6	FRSTLIN	-0 INDICATES PRINTER HAS BEEN SET	CPS239	14	A	14	
12	COMPASS				CMP30	5049	A	15	
13	COMPASS	RM	ENDIF		CMP30	5050	A	16	
14	COMPASS				CMP30	5051	A	17	
15	COMPASS	PRS4	SX2	CLP2	CMP30	5052	A	18	
16	COMPASS		SX3	CLP2+LCLP2	COMPASS	16294	A	19	
17	COMPASS		RJ	PRESET	COMPASS	16295	I	20	
18		-CMP30						21	
19	COMPASS		RJ	CLS	CMP30	5053	A	22	
20	COMPASS		SA1	PPTYPE	CPSA281	307	A	23	
21	COMPASS		SX1	X1+3	CPSA281	308	A	24	
22	COMPASS		NZ	X1,PRS4A	CPSA281	309	A	25	
23	COMPASS		SA2	VWORD	CPSA288	217	A	26	
24	COMPASS		NZ	X2,PRS4A	CPSA288	218	A	27	
25	COMPASS		SX6	5	CPSA281	310	A	28	
26	COMPASS		SX7	45	CPSA281	311	A	29	
27	COMPASS	PRS4A	BSS	0	CPSA281	312	A	30	
28	COMPASS		SA6	CT+1	CMP30	5054	A	31	
29	COMPASS		SA7	CT	COMPASS	16296	A	32	
30	COMPASS		SX6	B0	CPSA281	313	A	33	
31	COMPASS		MX7	0	CPSA281	314	A	34	
32	COMPASS		SA6	DLFLG	COMPASS	16297	A	35	
33	COMPASS		SA7	TITFG	COMPASS	16298	A	36	
34	COMPASS		SA6	NFOUP	COMPASS	16299	A	37	
35	COMPASS		SA7	QVAL	COMPASS	16300	A	38	
36	COMPASS		SA6	CLF	CMP30	5055	A	39	
37	COMPASS		SX7	PAGESIZ+5	COMPASS	16301	I	40	
38		-F4810A						41	
39	COMPASS		SA1	CP.PS	F4810A	F4810A	358	A	42
40	COMPASS		SX7	X1+5	F4810A	F4810A	359	A	43
41	COMPASS		SA6	IFCDGP	COMPASS	16302	A	44	
42	COMPASS		SA7	ELCNT	COMPASS	16303	A	45	
43	COMPASS		SA6	ABASE	CMP30	5056	A	46	
44	COMPASS		SA7	LPCNT	COMPASS	16304	A	47	
45	COMPASS		SX6	B1	COMPASS	16305	I	48	
46		-CMP30						49	
47	COMPASS		RJ	CPS	CMP30	5057	A	50	
48	COMPASS		SA2	ABSFG	CMP30	5058	A	51	
49	COMPASS		SA1	L.USETAB	CMP30	5059	A	52	
50	COMPASS		NZ	X2,PRS5	CMP30	5060	A	53	
51	COMPASS		AX1	1	CMP30	5061	A	54	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	MANAGE	RELTAB,X1	CREATE RELOCATION TABLE	CMP30	5062	A
COMPASS	IX3	X2+X3	CLEAR IT	CMP30	5063	A
COMPASS	RJ	CLS		CMP30	5064	A
COMPASS PRS5	SX6	B1	SET PRINT LINE READY	CMP30	5065	A
COMPASS	SA6	CCT		COMPASS	16306	A
COMPASS	SA6	LCCT		COMPASS	16307	I
-F4810A						
COMPASS	SA1	P2TEMPA	1 IF HEADER NOT PRINTED, 2 IF PRINTED	F4810A	F4810A	360 A
COMPASS	BX7	X1		F4810A	F4810A	361 A
COMPASS	SA7	LCCT	1 IF NO HEADER, 2 IF HEADER PRINTED	F4810A	F4810A	362 A
COMPASS	SA6	PLFLG		COMPASS	16308	A
COMPASS	SA1	=1H	CLEAR SUBTITLE	COMPASS	16309	A
COMPASS	SX2	SUBTIT		COMPASS	16310	A
COMPASS	SX3	SUBTIT+SUBL		COMPASS	16311	A
COMPASS	RJ	PRESET		COMPASS	16312	A
COMPASS	SX6	COMCOL	RESET COMMENT COLUMN	COMPASS	16313	A
COMPASS	SA6	CCOL		COMPASS	16314	A
COMPASS	SA1	LWORD	RESET POSITION COUNTER	COMPASS	16315	A
COMPASS	SA2	NBLOCKS		CMP30	5066	A
COMPASS	BX7	X1		COMPASS	16316	A
COMPASS	SX6	X2+B1	SET MAX RELOCATION FOR SCAD	CMP30	5067	A
COMPASS	SA7	POSCTR		COMPASS	16317	A
COMPASS	SA6	UI+2		CMP30	5068	A
COMPASS	SX7	10	SET BASE	COMPASS	16318	A
COMPASS	SA7	NBASE		COMPASS	16319	A
COMPASS	SA7	MBASE		COMPASS	16320	A
COMPASS	SX6	B1+B1	SET PASS = 2	COMPASS	16321	A
COMPASS	SA6	PASS		COMPASS	16322	A
COMPASS	SX6	1RD	SET BASE = *D*	COMPASS	16323	I
-CMP30						
COMPASS	SA6	ABASE		COMPASS	16324	I
-CMP30						
COMPASS	SX6	1R	SET USAGE LETTER	COMPASS	16325	A
COMPASS	SA6	REFLET		COMPASS	16326	A
COMPASS	SA1	LISTFG	SET LIST FLAG	COMPASS	16327	I
-CMP30						
COMPASS	SX2	B1		COMPASS	16328	I
-CMP30						
COMPASS	BX6	X1*X2		COMPASS	16329	I
-CMP30						
COMPASS	SA6	A1		COMPASS	16330	I
-CMP30						
COMPASS	SA2	RJZ	SET EVALUATE ITEM JUMP	COMPASS	16331	A
COMPASS	BX6	X2		COMPASS	16332	A
COMPASS	SA6	SCANEV		COMPASS	16333	A
COMPASS	SB7	39		COMPASS	16334	A
COMPASS	SX1	1R	CLEAR PRINT AREA	COMPASS	16335	A
COMPASS	SX2	OCTAL		COMPASS	16336	A
COMPASS	SX3	OCTAL+40		COMPASS	16337	A
COMPASS	RJ	PRESET		COMPASS	16338	A
COMPASS	SA1	=1H		COMPASS	16339	A
COMPASS	SX2	LINE		COMPASS	16340	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SX3	LINE+9*NCARDS	COMPASS	16341	A
COMPASS	RJ	PRESET	COMPASS	16342	A
COMPASS	EQ	PRS RETURN	COMPASS	16343	A
COMPASS	PSN	SPACE 4	COMPASS	16344	A
COMPASS	**	PSN - PRINT SEGMENT NAMES.	COMPASS	16345	A
COMPASS	*	ENTRY (SI) = SEGTab INDEX.	COMPASS	16346	A
COMPASS	*	USES P2TEMP, P2TEMPA, ORGCTR.	COMPASS	16347	A
COMPASS			COMPASS	16348	A
COMPASS			COMPASS	16349	A
COMPASS	PSN	PS RETURN EXIT	COMPASS	16350	A
COMPASS	SA2	=60HADDRESS LENGTH BINARY CONTROL CARDS.	COMPASS	16351	A
COMPASS	SA1	A2+B1 LIST OUT SEGMENT NAMES	COMPASS	16352	A
COMPASS	SA3	A1+B1	COMPASS	16353	A
COMPASS	SA4	A3+B1	COMPASS	16354	A
COMPASS	BX6	X3	COMPASS	16355	A
COMPASS	LX7	X4	COMPASS	16356	A
COMPASS	SA6	LINE	COMPASS	16357	A
COMPASS	SA7	A6+B1	COMPASS	16358	A
COMPASS	SA3	A4+B1	COMPASS	16359	A
COMPASS	SA4	A3+B1	COMPASS	16360	A
COMPASS	BX7	X3	COMPASS	16361	A
COMPASS	SA7	A7+B1	COMPASS	16362	A
COMPASS	BX7	X4	COMPASS	16363	A
COMPASS	SA7	A7+B1	COMPASS	16364	A
COMPASS	MX0	-6	COMPASS	16365	A
COMPASS	SB7	10	COMPASS	16366	A
COMPASS	PSN1	SB7 B7-B1	COMPASS	16367	A
COMPASS		-X0*X1	COMPASS	16368	A
COMPASS	LX1	-6	COMPASS	16369	A
COMPASS	SA6	A6-B1	COMPASS	16370	A
COMPASS	NZ	B7,PSN1 LOOP	COMPASS	16371	A
COMPASS	SB7	10	COMPASS	16372	A
COMPASS	BX1	X2	COMPASS	16373	A
COMPASS	MX2	0	COMPASS	16374	A
COMPASS	NZ	X1,PSN1 LOOP	COMPASS	16375	A
COMPASS	RJ	LIST2L	COMPASS	16376	A
COMPASS			COMPASS	16377	A
COMPASS	*	PRINT SEGMENT NAMES.	COMPASS	16378	A
COMPASS			COMPASS	16379	A
COMPASS	PSN2	RJ UPS UNPACK SEGMENT CARD	COMPASS	16380	A
COMPASS	SA5	SI	COMPASS	16381	A
COMPASS	SA2	0.SEGTAB	COMPASS	16382	A
COMPASS	IX3	X5+X2	COMPASS	16383	A
COMPASS	SA3	X3 LWA	COMPASS	16384	A
COMPASS	SA1	A3-4 LWA OF PREVIOUS SEGMENT	COMPASS	16385	A
COMPASS	BX6	X3	COMPASS	16386	A
COMPASS	BX7	X1	COMPASS	16387	A
COMPASS	SA6	P2TEMP	COMPASS	16388	A
COMPASS	SA7	A6+B1	COMPASS	16389	A
COMPASS	SA4	IOP CHECK TYPE	COMPASS	16390	A
COMPASS	SA2	=5RIDENT	COMPASS	16391	A
COMPASS	SA3	=7RSEGMENT	COMPASS	16392	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	BX2	X2-X4		COMPASS	16393	A
COMPASS	IX3	X3-X4		COMPASS	16394	A
COMPASS	ZR	X3,PSN3	IF *SEGMENT*	COMPASS	16395	A
COMPASS	NZ	X2,PSN4	IF NOT *IDENT*	COMPASS	16396	A
COMPASS	RJ	SCLIST	SKIP IDENT NAME	COMPASS	16397	A
COMPASS	SA1	P2TEMPA	LWA OF PREVIOUS SEGMENT	COMPASS	16398	A
COMPASS	ZR	X6,PSN4	IF IDENT WITH NO NAME	COMPASS	16399	A
COMPASS	SX1	18	SCAN ENTRY POINT	COMPASS	16400	A
COMPASS	RJ	SCAD		COMPASS	16401	A
COMPASS	SA1	EXVAL	SET BASE ADDRESS	COMPASS	16402	A
COMPASS	BX6	X1		COMPASS	16403	A
COMPASS	SA6	ORGCTR		COMPASS	16404	A
COMPASS	EQ	PSN4		COMPASS	16405	A
COMPASS	PSN3	SX1	18	COMPASS	16406	A
COMPASS		RJ	SCAD	COMPASS	16407	A
COMPASS		SA1	EXVAL	COMPASS	16408	A
COMPASS	PSN4	BX6	X1	COMPASS	16409	A
COMPASS		MX3	0	COMPASS	16410	A
COMPASS		SA6	P2TEMPA	COMPASS	16411	A
COMPASS		SX2	27	COMPASS	16412	A
COMPASS		MX0	-21	CMP28	1	A
COMPASS		BX1	-X0*X1	CMP28	2	A
COMPASS		RJ	PACK0	COMPASS	16413	A
COMPASS		SA2	P2TEMP	COMPASS	16414	A
COMPASS		SA3	A2+B1	COMPASS	16415	A
COMPASS		IX1	X2-X3	COMPASS	16416	A
COMPASS		MX0	-21	CMP28	3	A
COMPASS		BX1	-X0*X1	CMP28	4	A
COMPASS		MX3	0	COMPASS	16417	A
COMPASS		SX2	36	COMPASS	16418	A
COMPASS		RJ	PACK0	COMPASS	16419	A
COMPASS		SA1	EFLG	CMP28	5	A
COMPASS		BX6	X1	CMP28	6	A
COMPASS		MX7	0	CMP28	7	A
COMPASS		SA6	W2ERR	CMP28	8	A
COMPASS		SA7	UERR	CMP28	9	A
COMPASS		SA7	AERR	CMP28	10	A
COMPASS		RJ	LISTL	COMPASS	16420	A
COMPASS		SA1	SI	COMPASS	16421	A
COMPASS		SX6	X1+4	COMPASS	16422	A
COMPASS		SA2	L.SEGTAB	COMPASS	16423	A
COMPASS		SA6	A1	COMPASS	16424	A
COMPASS		IX2	X2-X6	COMPASS	16425	A
COMPASS		SX2	X2-4	COMPASS	16426	A
COMPASS		NZ	X2,PSN5	COMPASS	16427	A
COMPASS		RJ	UPS	COMPASS	16428	A
COMPASS		EQ	PSN6	COMPASS	16429	A
COMPASS	PSN5	SA3	0.SEGTAB	COMPASS	16430	A
COMPASS		IX1	X1+X3	COMPASS	16431	A
COMPASS		SA2	X1+B1	COMPASS	16432	A
COMPASS		SA3	X1+5	COMPASS	16433	A
COMPASS		BX7	X2-X3	COMPASS	16434	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS		AX7	18		COMPASS	16435	A
COMPASS		ZR	X7,PSN2	IF SAME OVERLAY	COMPASS	16436	A
COMPASS	PSN6	SA1	P2TEMP	LIST PROGRAM LWA	COMPASS	16437	A
COMPASS		SX2	27		COMPASS	16438	A
COMPASS		MX3	0		COMPASS	16439	A
COMPASS		RJ	PACK0		COMPASS	16440	A
COMPASS		SA1	MACHINE		COMPASS	16441	A
COMPASS		ZR	X1,PSN7	IF CP	COMPASS	16442	A
COMPASS		SA1	ORGCTR	LIST LENGTH IN CM WORDS	COMPASS	16443	A
COMPASS		SA2	P2TEMP		COMPASS	16444	A
COMPASS		SX5	5		COMPASS	16445	A
COMPASS		IX4	X2-X1		COMPASS	16446	A
COMPASS		SX4	X4+9		COMPASS	16447	A
COMPASS		IX1	X4/X5		COMPASS	16448	A
COMPASS		MX3	0		COMPASS	16449	A
COMPASS		SX2	36		COMPASS	16450	A
COMPASS		RJ	PACK0		COMPASS	16451	A
COMPASS		SX6	1R(		COMPASS	16452	A
COMPASS		SX7	1R)		COMPASS	16453	A
COMPASS		SA6	A6-B1		COMPASS	16454	A
COMPASS		SA7	OCTAL+36		COMPASS	16455	A
COMPASS	PSN7	RJ	LISTL		COMPASS	16456	A
COMPASS		MX6	0	RESET QUAL	COMPASS	16457	A
COMPASS		SA6	QVAL		COMPASS	16458	A
COMPASS		EQ	PSN	RETURN	COMPASS	16459	A
COMPASS	RBV	SPACE	4		F4820	742	A
COMPASS	**	RBV	-	READ BINARY VALUE.	F4820	743	A
COMPASS	*	ENTRY	(X1)	= DIRECT MEMORY LOCATION.	F4820	744	A
COMPASS	*	EXIT	(X6)	= BINARY VALUE OF LOCATION.	F4820	745	A
COMPASS					F4820	746	A
COMPASS					F4820	747	A
COMPASS	RBV	PS		RETURN EXIT	F4820	748	A
COMPASS		SA2	LPGM	CHECK FOR IN RANGE	F4820	749	A
COMPASS		SA3	ORGBASE		F4820	750	A
COMPASS		IX6	X1-X2	-	F4820	751	A
COMPASS		IX1	X1-X3	+	F4820	752	A
COMPASS		BX7	-X1*X6		F4820	753	A
COMPASS		SX6	B0		F4820	754	A
COMPASS		PL	X7,RBV	IF OUT OF RANGE OF PROGRAM	F4820	755	A
COMPASS		SX0	5		F4820	756	A
COMPASS		LX1	1		F4820	757	A
COMPASS		SB4	X1		F4820	758	A
COMPASS		IX1	X1/X0	WORD INDEX	F4820	759	A
COMPASS		SA2	0.MEMORY		F4820	760	A
COMPASS		SB6	X1		F4820	761	A
COMPASS		SB5	B6+B6		F4820	762	A
COMPASS		SB7	B5+B5		F4820	763	A
COMPASS		SB5	B7+B6	5*LOCATION	F4820	764	A
COMPASS		SX7	B4-B5	REMAINDER	F4820	765	A
COMPASS		IX6	X7+X7	2*REMAINDER	F4820	766	A
COMPASS		IX7	X6+X7	3*REMAINDER	F4820	767	A
COMPASS		LX7	2	12*REMAINDER	F4820	768	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SB7	X7+12	F4820	769	A
COMPASS	SB5	60	F4820	770	A
COMPASS	MX0	-12	F4820	771	A
COMPASS	SA1	0.MEMORY READ MEMORY	F4820	772	A
COMPASS	SA5	X1+B6	F4820	773	A
COMPASS	LX5	X5,B7	F4820	774	A
COMPASS +	BX6	-X0*X5	F4820	775	A
COMPASS	NE	B5,B7,*+1	F4820	776	A
COMPASS	SA5	A5+B1	F4820	777	A
COMPASS +	LX5	12	F4820	778	A
COMPASS	BX7	-X0*X5	F4820	779	A
COMPASS	LX6	8	F4820	780	A
COMPASS	IX6	X6+X7	F4820	781	A
COMPASS	EQ	RBV RETURN	F4820	782	A
COMPASS RINT	SPACE	4	COMPASS	16460	A
COMPASS **	RINT	- READ AND CREATE INTERMEDIATE LINE.	COMPASS	16461	A
COMPASS *		USED TO DO THE READING. IT DOES NOT CREATE THE PRINT LINE.	COMPASS	16462	A
COMPASS			COMPASS	16463	A
COMPASS			COMPASS	16464	A
COMPASS RINT	PS		COMPASS	16465	A
COMPASS	RJ	RINTRD READ INTERMEDIATE FILE	COMPASS	16466	A
COMPASS	SA1	RELVEC STORE OPTYPE	COMPASS	16467	A
COMPASS	BX6	X1	COMPASS	16468	A
COMPASS	LX1	59-43 PREPARE TO DECODE REMAINDER OF INT.	COMPASS	16469	A
COMPASS	SA6	OPTYPE	COMPASS	16470	A
COMPASS	SA2	A1+B1	COMPASS	16471	A
COMPASS	MX6	0	COMPASS	16472	A
COMPASS	PL	X1,RINT1 IF NO IND	COMPASS	16473	A
COMPASS	BX6	X2	COMPASS	16474	A
COMPASS	SA2	A2+B1	COMPASS	16475	A
COMPASS RINT1	SA6	IND	COMPASS	16476	A
COMPASS	LX1	59	COMPASS	16477	A
COMPASS	MX6	0	COMPASS	16478	A
COMPASS	PL	X1,RINT2 IF NO FLAG	COMPASS	16479	A
COMPASS	BX6	X2	COMPASS	16480	A
COMPASS	SA2	A2+B1	COMPASS	16481	A
COMPASS RINT2	SA6	FLAG	COMPASS	16482	A
COMPASS	SA5	AMODE	COMPASS	16483	I
COMPASS -CMP24	ZR	X5,RIN2 IF NOT MODIFY	COMPASS	16484	I
COMPASS	SX6	B0	COMPASS	16485	I
COMPASS	SA6	SEQ	COMPASS	16486	I
COMPASS -CMP24	BX6	X2	COMPASS	16487	I
COMPASS	SA6	A6+B1	COMPASS	16488	I
COMPASS -CMP24	SA2	A2+B1	COMPASS	16489	I
COMPASS	EQ	RINT3	COMPASS	16490	I
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- CMP24

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP24

1	COMPASS	SA6	A7+B1	COMPASS	16517	I
2	-CMP24					
3	COMPASS	SB7	B7-B1	COMPASS	16518	I
4	-CMP24					
5	COMPASS	SA2	A2+B1	COMPASS	16519	I
6	-CMP24					
7	COMPASS	NZ	B7,RINT3A	COMPASS	16520	I
8	-CMP24					
9	COMPASS	SA5	CCT	CMP24	524	A
10	COMPASS	LX1	59-46+45	CMP24	525	A
11	COMPASS	SB7	X5	CMP24	526	A
12	COMPASS	MI	X1,RIN2 IF TWO-WORD SEQUENCE FIELDS ARE PRESENT	CMP24	527	A
13	COMPASS	LX1	1	CMP24	528	A
14	COMPASS	PL	X1,RIN1 IF NO SEQUENCE FIELDS ARE PRESENT	CMP24	529	A
15	COMPASS			CMP24	530	A
16	COMPASS	MX6	0 STORE ONE-WORD SEQUENCE FIELDS	CMP24	531	A
17	COMPASS	BX7	X2	CMP24	532	A
18	COMPASS	SA2	A2+B1	CMP24	533	A
19	COMPASS	SA6	SEQ	CMP24	534	A
20	COMPASS	SA7	A6+B1	CMP24	535	A
21	COMPASS	EQ	B7,B1,RINT3 IF NO CONTINUATION CARDS	CMP24	536	A
22	COMPASS	RIN1A	BX7 X2	CMP24	537	A
23	COMPASS	SA2	A2+B1	CMP24	538	A
24	COMPASS	SA6	A7+B1	CMP24	539	A
25	COMPASS	SB7	B7-B1	CMP24	540	A
26	COMPASS	SA7	A6+B1	CMP24	541	A
27	COMPASS	GT	B7,B1,RIN1A	CMP24	542	A
28	COMPASS	EQ	RINT3	CMP24	543	A
29	COMPASS			CMP24	544	A
30	COMPASS	RIN1	SA3 =8R NO SEQUENCE FIELDS - USE BLANKS	CMP24	545	A
31	COMPASS	SA4	=10R	CMP24	546	A
32	COMPASS	BX6	X3	CMP24	547	A
33	COMPASS	LX7	X4	CMP24	548	A
34	COMPASS	SA6	SEQ	CMP24	549	A
35	COMPASS	SA7	A6+B1	CMP24	550	A
36	COMPASS	EQ	RIN3 CONTINUE BELOW	CMP24	551	A
37	COMPASS			CMP24	552	A
38	COMPASS	RIN2	SA3 A2+B1 TWO-WORD SEQUENCE FIELDS	CMP24	553	A
39	COMPASS	LX1	1	CMP24	554	A
40	COMPASS	BX6	X2	CMP24	555	A
41	COMPASS	SA2	A3+B1	CMP24	556	A
42	COMPASS	LX7	X3	CMP24	557	A
43	COMPASS	SA6	SEQ	CMP24	558	A
44	COMPASS	SA7	A6+B1	CMP24	559	A
45	COMPASS	RIN3	EQ B7,B1,RINT3 IF NO CONTINUATION CARDS	CMP24	560	A
46	COMPASS	MI	X1,RIN4 IF NOT SAME SEQUENCE FIELDS FOR ALL CARDS	CMP24	561	A
47	COMPASS	RIN3A	SA6 A7+B1	CMP24	562	A
48	COMPASS	SB7	B7-B1	CMP24	563	A
49	COMPASS	SA7	A6+B1	CMP24	564	A
50	COMPASS	GT	B7,B1,RIN3A	CMP24	565	A
51	COMPASS	EQ	RINT3	CMP24	566	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS						CMP24	567	A	
COMPASS	RIN4	SA3	A2+B1	TWO-WORD SEQUENCE FIELD FOR EACH CARD					
COMPASS		BX6	X2			CMP24	568	A	
COMPASS		SA2	A3+B1			CMP24	569	A	
COMPASS		LX7	X3			CMP24	570	A	
COMPASS		SA6	A7+B1			CMP24	571	A	
COMPASS		SB7	B7-B1			CMP24	572	A	
COMPASS		SA7	A6+B1			CMP24	573	A	
COMPASS		GT	B7,B1,RIN4			CMP24	574	A	
COMPASS						CMP24	575	A	
COMPASS						CMP24	576	A	
COMPASS	RINT3	SB5	1R			COMPASS	16521	A	
COMPASS		SB4	-B1			COMPASS	16522		I
	-CMP64G								
COMPASS		MX0	60-6			COMPASS	16523		I
	-CMP64G								
COMPASS		SB6	B5			CMP64G	530	A	
COMPASS		MX0	-6			CMP64G	531	A	
COMPASS		SB3	10			COMPASS	16524	A	
COMPASS		SB4	B0			CMP64G	532	A	
COMPASS		LX2	6			CMP64G	533	A	
COMPASS		SB7	B3-B1			COMPASS	16525	A	
COMPASS		MX3	59			COMPASS	16526		I
	-CMP64G								
COMPASS		LX2	6			COMPASS	16527		I
	-CMP64G								
COMPASS		BX6	-X0*X2			COMPASS	16528	A	
COMPASS		SA6	STYPE			COMPASS	16529	A	
COMPASS		EQ	RIN7			COMPASS	16530		I
	-CMP64G								
COMPASS		EQ	RIN6			CMP64G	534	A	
COMPASS						COMPASS	16531	A	
COMPASS	RIN5	LX2	6			COMPASS	16532		I
	-CMP64G								
COMPASS		BX3	-X0*X2			COMPASS	16533		I
	-CMP64G								
COMPASS		ZR	X3,RIN8	IF END OF LINE		COMPASS	16534		I
	-CMP64G								
COMPASS	RIN6	SA6	A6+B1			COMPASS	16535		I
	-CMP64G								
COMPASS		SX3	X3+B4			COMPASS	16536		I
	-CMP64G								
COMPASS		PL	X3,RIN6	IF FILLING BLANKS		COMPASS	16537		I
	-CMP64G								
COMPASS		NZ	B7,RIN7	IF NOT END OF WORD		COMPASS	16538		I
	-CMP64G								
COMPASS		SA2	A2+B1			COMPASS	16539		I
	-CMP64G								
COMPASS		SB7	B3			COMPASS	16540		I
	-CMP64G								
COMPASS	RIN7	LX2	6			COMPASS	16541		I
	-CMP64G								
COMPASS		BX6	-X0*X2			COMPASS	16542		I
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP64G

1	COMPASS		SB7	B7-B1		COMPASS	16543	I	1
2	-CMP64G								2
3	COMPASS		NZ	X6,RIN6	IF NOT 00 CHARACTER	COMPASS	16544	I	3
4	-CMP64G								4
5	COMPASS		SB7	B7-B1		COMPASS	16545	I	5
6	-CMP64G								6
7	COMPASS		SX6	B5		COMPASS	16546	I	7
8	-CMP64G								8
9	COMPASS		PL	B7,RIN5	IF NOT END OF WORD	COMPASS	16547	I	9
10	-CMP64G								10
11	COMPASS		SA2	A2+B1		COMPASS	16548	I	11
12	-CMP64G								12
13	COMPASS		SB7	B3-B1		COMPASS	16549	I	13
14	-CMP64G								14
15	COMPASS		EQ	RIN5	LOOP	COMPASS	16550	I	15
16	-CMP64G								16
17	COMPASS	RIN5	SB4	B4-B1	STORE CHARACTER	CMP64G	535	A	17
18	COMPASS		SA6	A6+B1		CMP64G	536	A	18
19	COMPASS		PL	B4,RIN5	LOOP IF FILLING BLANKS	CMP64G	537	A	19
20	COMPASS	RIN6	LX2	6		CMP64G	538	A	20
21	COMPASS		SB7	B7-B1	EXTRACT NEXT CHARACTER	CMP64G	539	A	21
22	COMPASS		BX6	-X0*X2		CMP64G	540	A	22
23	COMPASS		NZ	B7,RIN7	IF WORD NOT EXHAUSTED	CMP64G	541	A	23
24	COMPASS		SA2	A2+B1		CMP64G	542	A	24
25	COMPASS		SB7	B3		CMP64G	543	A	25
26	COMPASS	RIN7	ZR	B6,RIN8	IF 00XX CODE	CMP64G	544	A	26
27	COMPASS		SB6	X6		CMP64G	545	A	27
28	COMPASS		NZ	B6,RIN5	IF NOT 00 CHARACTER, GO STORE IT	CMP64G	546	A	28
29	COMPASS		EQ	RIN6	GO GET XX	CMP64G	547	A	29
30	COMPASS	RIN8	SB4	X6		CMP64G	548	A	30
31	COMPASS		SX6	B5		CMP64G	549	A	31
32	COMPASS		SB6	B5		CMP64G	550	A	32
33	COMPASS		GT	B4,B1,RIN5	IF 0002-0077 CODE, GO STORE BLANKS	CMP64G	551	A	33
34	COMPASS		SB4	B4-B1		CMP64G	552	A	34
35	COMPASS		MX6	0		CMP64G	553	A	35
36	COMPASS		ZR	B4,RIN5	IF 0001 CODE, GO STORE 00 CHARACTER	CMP64G	554	A	36
37	COMPASS					COMPASS	16551	A	37
38	COMPASS	RIN8	SA5	LASTCOL	CLEAR TO END OF LAST COLUMN	COMPASS	16552	I	38
39	-CMP64G								39
40	COMPASS		SA5	LASTCOL	0000 CODE, END OF STATEMENT	CMP64G	555	A	40
41	COMPASS		SX7	A6-CARD+1		COMPASS	16553	A	41
42	COMPASS	+	NZ	X7,*+1	IF NOT ALL BLANKS	CMP27	32	A	42
43	COMPASS		SX7	B1		CMP27	33	A	43
44	COMPASS		SB7	X5+CARD-1		COMPASS	16554	A	44
45	COMPASS		SA7	A5		COMPASS	16555	A	45
46	COMPASS		SX6	B5		COMPASS	16556	A	46
47	COMPASS		SB7	A6-B7		COMPASS	16557	A	47
48	COMPASS		SX7	B5		COMPASS	16558	A	48
49	COMPASS	RIN9	SB7	B7+2		COMPASS	16559	A	49
50	COMPASS		SA7	A6+B1		COMPASS	16560	A	50
51	COMPASS		SA6	A7+B1		COMPASS	16561	A	51

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	BX3	-X2*X3	COMPASS	16611	A
COMPASS	BX1	X1*X4	CPS010	122	A
COMPASS	SX2	B1	COMPASS	16612	A
COMPASS	IX6	X2-X1	COMPASS	16613	A
COMPASS	BX6	X6+X3	COMPASS	16614	A
COMPASS	SA6	SUPREF	COMPASS	16615	A
COMPASS	SA3	EFLG	COMPASS	16616	A
COMPASS	SA1	RISA	COMPASS	16617	A
COMPASS	NZ	X3,RIS7	COMPASS	16618	A
COMPASS	SB7	30	COMPASS	16619	A
COMPASS	RIS3	AX2	COMPASS	16620	A
COMPASS	SA3	X1	COMPASS	16621	A
COMPASS	SA4	X2	COMPASS	16622	A
COMPASS	SA1	A1+B1	COMPASS	16623	A
COMPASS	BX0	-X3*X4	COMPASS	16624	A
COMPASS	ZR	X0,RIS3	COMPASS	16625	A
COMPASS	SX6	A1-RISA-RISAL	COMPASS	16626	A
COMPASS	NZ	X6,RIS6	COMPASS	16627	A
COMPASS	RIS4	RJ	COMPASS	16628	A
COMPASS	MX6	0	F4820	783	A
COMPASS	SA6	PLFLG	F4820	784	A
COMPASS	RIS5	RJ	COMPASS	16629	I
COMPASS	-CPS234				
COMPASS	RIS5	SA1	CPS234	8	A
COMPASS		SA2	CPSA186	9	A
COMPASS		SX6	CPS234	9	A
COMPASS		SX7	CPSA186	10	A
COMPASS		SA6	CPS234	10	A
COMPASS		SA7	CPSA186	11	A
COMPASS		RJ	CPS234	11	A
COMPASS		SA1	COMPASS	16630	A
COMPASS		SA2	COMPASS	16631	A
COMPASS		ZR	COMPASS	16632	A
COMPASS		ZR	COMPASS	16633	A
COMPASS		RJ	COMPASS	16634	A
COMPASS		EQ	COMPASS	16635	A
COMPASS	RIS6	SA1	COMPASS	16636	A
COMPASS		SX6	COMPASS	16637	A
COMPASS		SA6	COMPASS	16638	A
COMPASS		NZ	COMPASS	16639	A
COMPASS		EQ	COMPASS	16640	A
COMPASS	RIS7	SA1	COMPASS	16641	A
COMPASS		ZR	COMPASS	16642	A
COMPASS		SX7	COMPASS	16643	A
COMPASS		SA7	COMPASS	16644	A
COMPASS		RJ	COMPASS	16645	A
COMPASS		MX6	COMPASS	16646	A
COMPASS		SA6	COMPASS	16647	A
COMPASS		EQ	COMPASS	16648	A
COMPASS			COMPASS	16649	A
COMPASS	RISA	VFD	COMPASS	16650	A
COMPASS		VFD	COMPASS	16651	I

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP30

1	COMPASS		VFD	30/=1,30/CP.LISTF	EXTERNAL LIST	CMP30	5069	A	1
2	COMPASS		VFD	30/SYSFLG,30/LS+1	SYSTEM MACRO	COMPASS	16652	A	2
3	COMPASS		VFD	30/LIBFLG,30/LX+1	XTEXT	COMPASS	16653	A	3
4	COMPASS		VFD	30/MACFLG,30/LM+1	MACRO	COMPASS	16654	A	4
5	COMPASS		VFD	30/ECHFLG,30/LE+1	DUP	COMPASS	16655	A	5
6	COMPASS		VFD	30/RMTFLG,30/LD+1	RMT	COMPASS	16656	A	6
7	COMPASS		VFD	30/NOAS,30/LF+1	IF SKIPPED	COMPASS	16657	A	7
8	COMPASS		VFD	30/=1,30/=0	END OF TABLE	COMPASS	16658	A	8
9	COMPASS	RISAL	EQU	*-RISA		COMPASS	16659	A	9
10	COMPASS	RINTRD	SPACE	4		COMPASS	16660	A	10
11	COMPASS	**	RINTRD	- READ WORDS FROM INTERMEDIATE FILE INTO RELVEC.		COMPASS	16661	A	11
12	COMPASS	*	RINTRD	WILL ACCESS EITHER INTERMEDIATE FILE OR TABLE.		COMPASS	16662	A	12
13	COMPASS	*	EXIT	(CCT) = NUMBER OF CARDS.		COMPASS	16663	A	13
14	COMPASS					COMPASS	16664	A	14
15	COMPASS					COMPASS	16665	A	15
16	COMPASS	RIF1	SA1	RIFA		COMPASS	16666	A	16
17	COMPASS		NZ	X1,RIF2	IF NOT FIRST READ	COMPASS	16667	A	17
18	COMPASS					CMP30	5070	A	18
19	COMPASS		IFEQ	CP#RM,0,3		CMP30	5071	A	19
20	COMPASS		READ	S		COMPASS	16668	A	20
21	COMPASS		READW	S,RIFA,1		COMPASS	16669	A	21
22	COMPASS		ELSE	1		CMP30	5072	A	22
23	COMPASS		GET	S,RIFA,10		CMP30	5073	A	23
24	COMPASS					CMP30	5074	A	24
25	COMPASS		SA1	RIFA		COMPASS	16670	A	25
26	COMPASS	RIF2	BX6	X1		COMPASS	16671	A	26
27	COMPASS		MX0	60-4		COMPASS	16672	A	27
28	COMPASS		AX1	30		COMPASS	16673	A	28
29	COMPASS		SA6	RELVEC		COMPASS	16674	A	29
30	COMPASS		BX6	-X0*X1		COMPASS	16675	A	30
31	COMPASS		MX0	60-8		COMPASS	16676	A	31
32	COMPASS		AX1	34-30		COMPASS	16677	A	32
33	COMPASS		BX2	-X0*X1		COMPASS	16678	A	33
34	COMPASS		SA6	CCT		COMPASS	16679	A	34
35	COMPASS					CMP30	5075	A	35
36	COMPASS	RM	IFEQ	CP#RM,0		CMP30	5076	A	36
37	COMPASS		READW	S,RELVEC+1,X2		COMPASS	16680	A	37
38	COMPASS		SA1	B6-B1		COMPASS	16681	A	38
39	COMPASS	RM	ELSE			CMP30	5077	A	39
40	COMPASS		BX6	X2		CMP30	5078	A	40
41	COMPASS		IX3	X2+X2		CMP30	5079	A	41
42	COMPASS		LX2	3		CMP30	5080	A	42
43	COMPASS		IX4	X3+X2		CMP30	5081	A	43
44	COMPASS		SA6	T6RM1		CMP30	5082	A	44
45	COMPASS		GET	S,RELVEC+1,X4		CMP30	5083	A	45
46	COMPASS		SA2	T6RM1		CMP30	5084	A	46
47	COMPASS		SA1	RELVEC+X2	NEXT HEADER WORD	CMP30	5085	A	47
48	COMPASS	RM	ENDIF			CMP30	5086	A	48
49	COMPASS					CMP30	5087	A	49
50	COMPASS		BX6	X1		COMPASS	16682	A	50
51	COMPASS		SA6	RIFA		COMPASS	16683	A	51

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- CPS002

[illegible]

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SX1	18			S002	94	CPS002	66	A
COMPASS	SX6	3					COMPASS	16747	A
COMPASS	RJ	SCADCON					COMPASS	16748	A
COMPASS	SA1	EXVAL					COMPASS	16749	A
COMPASS	MX6	42					COMPASS	16750	I
-CPS002									
COMPASS	MX6	-18			S002	96	CPS002	67	A
COMPASS	BX6	-X6*X1					COMPASS	16751	A
COMPASS	SA6	SEGEPT	ENTRY POINT FOR SEGMENT				COMPASS	16752	A
COMPASS	SA1	MACHINE					CMP1	29	A
COMPASS	SA2	EXSTOP			S002	98	CPS002	68	A
COMPASS	SA3	PPTYPE			CPS127		CPS127	6	A
COMPASS	NZ	X1,SIC2	IF PP				CMP1	30	A
COMPASS	SA1	CHAR					COMPASS	16753	I
-CPS002									
COMPASS	SB7	X1-1R					COMPASS	16754	I
-CPS002									
COMPASS	ZR	B7,SIC	IF NO LEVEL NUMBERS				COMPASS	16755	I
-CPS002									
COMPASS	ZR	X2,SIC	IF NO LEVEL NUMBERS		S002	100	CPS002	69	A
COMPASS	SA1	MACHINE					COMPASS	16756	I
-CMP1									
COMPASS	NZ	X1,SIC2	IF PP				COMPASS	16757	I
-CMP1									
COMPASS	SX1	6	LEVEL NUMBER 1				COMPASS	16758	A
COMPASS	SX6	3					COMPASS	16759	A
COMPASS	RJ	SMC					COMPASS	16760	A
COMPASS	SA2	EXVAL					COMPASS	16761	A
COMPASS	SX1	6	LEVEL NUMBER 2				COMPASS	16762	A
COMPASS	BX6	X2					COMPASS	16763	A
COMPASS	SA6	P2TEMPA					COMPASS	16764	A
COMPASS	SX6	3					COMPASS	16765	A
COMPASS	RJ	SMC					COMPASS	16766	A
COMPASS	SA1	P2TEMPA	DUMP PRELIMINARY INFORMATION				COMPASS	16767	A
COMPASS	SA2	EXVAL					COMPASS	16768	A
COMPASS	MX0	-6					COMPASS	16769	A
COMPASS	BX6	-X0*X1					COMPASS	16770	A
COMPASS	LX6	6					COMPASS	16771	A
COMPASS	BX2	-X0*X2					COMPASS	16772	A
COMPASS	IX6	X2+X6					COMPASS	16773	A
COMPASS	SA6	A1					COMPASS	16774	A
COMPASS	EQ	SIC	RETURN				COMPASS	16775	A
COMPASS	SIC2	SX1	PPU NUMBER				COMPASS	16776	I
-CPS127									
COMPASS	SIC2	NZ	X3,SIC2A	IF PPU	CPS127		CPS127	7	A
COMPASS		NZ	X2,SIC3A	IF COMMA	CPS127		CPS127	8	A
COMPASS		EQ	SIC	RETURN	CPS127		CPS127	9	A
COMPASS	SIC2A	SX1	12	PPU NUMBER	CPS127		CPS127	10	A
COMPASS		SX6	3				COMPASS	16777	A
COMPASS		RJ	SMC				COMPASS	16778	A
COMPASS		MX4	-12				COMPASS	16779	A
COMPASS		SA2	SEGEPT	ENTRY POINT			COMPASS	16780	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA1	EXVAL	COMPASS	16781	A
COMPASS	BX2	-X4*X2	COMPASS	16782	A
COMPASS	BX1	-X4*X1	COMPASS	16783	A
COMPASS	LX2	12	COMPASS	16784	A
COMPASS	LX1	36	COMPASS	16785	A
COMPASS	BX6	X2+X1	COMPASS	16786	A
COMPASS	SA6	A2	COMPASS	16787	A
COMPASS	EQ	SIC	COMPASS	16788	A
COMPASS	SMO	SPACE 4	COMPASS	16789	A
COMPASS	**	SMO - SET MINIMUM AND MAXIMUM ORIGIN.	COMPASS	16790	A
COMPASS			COMPASS	16791	A
COMPASS			COMPASS	16792	A
COMPASS	SMO	PS	COMPASS	16793	A
COMPASS		RETURN EXIT	COMPASS	16794	A
COMPASS	SA1	ABSFG	COMPASS	16795	A
COMPASS	MX6	0	COMPASS	16796	A
COMPASS	SX7	B1	COMPASS	16797	A
COMPASS	IX7	X7-X1	COMPASS	16798	A
COMPASS	SA6	ORGCTR	COMPASS	16799	A
COMPASS	SA7	A6+B1	COMPASS	16800	A
COMPASS	SA6	LOCCTR	COMPASS	16801	A
COMPASS	SA7	A6+B1	COMPASS	16802	I
COMPASS	LX4	X7,B1			
-CMP30					
COMPASS	BX5	X7+X4	COMPASS	16803	I
-CMP30					
COMPASS	IX3	X5+X5	COMPASS	16804	I
-CMP30					
COMPASS	LX7	2	CMP30	5088	A
COMPASS	SA4	0.USETAB	COMPASS	16805	A
COMPASS	SA1	UI	COMPASS	16806	A
COMPASS	SB7	X3+2	COMPASS	16807	I
-CMP30					
COMPASS	SB7	X7+2	CMP30	5089	A
COMPASS	IX4	X4+X1	COMPASS	16808	A
COMPASS	SA2	X4+B7	COMPASS	16809	A
COMPASS	SA1	A2+3	COMPASS	16810	I
-CMP30					
COMPASS	MX3	-21	COMPASS	16811	A
COMPASS	BX7	-X3*X2	COMPASS	16812	A
COMPASS	SX6	X1	COMPASS	16813	I
-CMP30					
COMPASS	AX2	33	CMP30	5090	A
COMPASS	BX6	-X3*X2	CMP30	5091	A
COMPASS	SA6	MAXORG	COMPASS	16814	A
COMPASS	SA7	A6+B1	COMPASS	16815	A
COMPASS	RJ	RESORG	COMPASS	16816	A
COMPASS	EQ	SMO	COMPASS	16817	A
COMPASS	SUO	SPACE 4	COMPASS	16818	A
COMPASS	**	SUO - SET USE ORIGINS.	COMPASS	16819	A
COMPASS	*	SET THE ORIGIN OF ALL USE BLOCKS TO ZERO.	COMPASS	16820	A
COMPASS			COMPASS	16821	A
COMPASS			COMPASS	16822	A

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## 14121HE

1

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	IX3	X5+X2		COMPASS	16866	A
COMPASS	SA4	O.IDTAB	UNPACK CARD	COMPASS	16867	A
COMPASS	SA3	X3+B1		COMPASS	16868	A
COMPASS	IX1	X3+X4		COMPASS	16869	A
COMPASS	SA2	X1	SET CURRENT QUAL	COMPASS	16870	A
COMPASS	SX1	X1+B1		COMPASS	16871	A
COMPASS	MX0	12		COMPASS	16872	A
COMPASS	SX7	X2		COMPASS	16873	A
COMPASS	BX6	X0*X2		COMPASS	16874	A
COMPASS	SA6	QVAL		COMPASS	16875	A
COMPASS	SA7	NBASE		COMPASS	16876	A
COMPASS	RJ	/PASS1/UCARD		COMPASS	16877	A
COMPASS	RJ	SETUP		COMPASS	16878	A
COMPASS	MX6	0	CREATE PRINT LINE	COMPASS	16879	A
COMPASS	SX7	B1		COMPASS	16880	A
COMPASS	SA6	PLFLG		COMPASS	16881	A
COMPASS	SA6	DLFLG		COMPASS	16882	A
COMPASS	SA7	CCT		COMPASS	16883	A
COMPASS	RJ	CPL		COMPASS	16884	A
COMPASS	SA1	=1H	CLEAR SEQ FIELD	COMPASS	16885	A
COMPASS	BX6	X1		COMPASS	16886	A
COMPASS	SA6	LINE+7		COMPASS	16887	A
COMPASS	SA6	A6+B1		COMPASS	16888	A
COMPASS	EQ	UPS	RETURN	COMPASS	16889	A
COMPASS	URS	SPACE 4		CPSA246	7	A
COMPASS	**	URS - UNDEFINE REDEFINABLE SYMBOLS		CPSA246	8	A
COMPASS	*			CPSA246	9	A
COMPASS				CPSA246	10	A
COMPASS				CPSA246	11	A
COMPASS	URS	PS		CPSA246	12	A
COMPASS	SA1	L.SYMTAB		CPSA246	13	A
COMPASS	SA2	O.SYMTAB		CPSA246	14	A
COMPASS	SA5	=7777770070BS30		CPSA246	15	A
COMPASS	SB7	X1	LENGTH OF SYMTAB	CPSA246	16	A
COMPASS	SB2	B1+B1	SYMTAB ENTRY SIZE	CPSA246	17	A
COMPASS	SB6	59-33	REDEF FLAG POSITION	CPSA246	18	A
COMPASS	SX2	X2-1		CPSA246	19	A
COMPASS	URS1	SB7	B7-B2 DECREMENT LENGTH	CPSA246	20	A
COMPASS	SX2	X2+B2	INCREMENT TABLE POSITION	CPSA246	21	A
COMPASS	RX1	X2	FETCH 2ND WORD OF ENTRY	CPSA246	22	A
COMPASS	NG	B7,URS	IF END OF TABLE, EXIT	CPSA246	23	A
COMPASS	LX6	X1,B6		CPSA246	24	A
COMPASS	PL	X6,URS1	IF NOT REDEFINABLE, LOOP	CPSA246	25	A
COMPASS	BX6	X5*X1		CPSA246	26	A
COMPASS	WX6	X2	REPLACE ENTRY	CPSA246	27	A
COMPASS	EQ	URS1	LOOP	CPSA246	28	A
COMPASS				CPSA246	29	A
COMPASS	ZDEFSYM	SPACE 4		COMPASS	16890	A
COMPASS	**	ZDEFSYM - REDEFINE SYMBOL (FOR USE OF SET ONLY).		COMPASS	16891	I
COMPASS	-CMP19					
COMPASS	**	ZDEFSYM - DEFINE SYMBOL.		CMP19	358	A
COMPASS	*	MAKES TYPE *D* REF TABLE ENTRY AND STORES SYMBOL VALUE		CMP19	359	A

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## 1412THE

3

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	BX6	X2+X1			CMP19	373	A
COMPASS	SA6	X3	STORE NEW EQUIVALENT		CMP19	374	I
-CP096A							
COMPASS	WX6	X3	STORE NEW EQUIVALENT		CP096A	517	A
COMPASS	ZDEFSYM1	SX1	1RD	USAGE = D	CMP19	375	A
COMPASS	RJ	ENTREF	ENTER REFERENCE TABLE		CMP19	376	A
COMPASS	ZDEFSYM2	SA1	ZDEFSYMT		CMP19	377	A
COMPASS	SX2	36			CMP19	378	A
COMPASS	MX0	-21			CMP19	379	I
-CPS010							
COMPASS	LX1	59-20	EXTEND SIGN OF VALUE		CPS010	123	A
COMPASS	SX3	B0			CMP19	380	A
COMPASS	BX1	-X0*X1			CMP19	381	I
-CPS010							
COMPASS	AX1	59-20			CPS010	124	A
COMPASS	RJ	PACKOR	CALL PACKOR (VALUE,36,7)		CMP19	382	A
COMPASS	EQ	ZDEFSYM			COMPASS	16921	A
COMPASS					COMPASS	16922	A
COMPASS	ZDEFSYMT	DATA	0	TEMPORARY STORAGE	COMPASS	16923	A
COMPASS	ZEVITEM	SPACE	4		COMPASS	16924	A
COMPASS	**	ZEVITEM	- EVALUATE ITEM.		COMPASS	16925	A
COMPASS	*	MANY ERRORS DETECTED HERE.			COMPASS	16926	A
COMPASS	*	ENTRY (X1) = FIELD WIDTH.			COMPASS	16927	A
COMPASS					COMPASS	16928	A
COMPASS					COMPASS	16929	A
COMPASS	ZEVITEM	PS	RETURN EXIT		COMPASS	16930	A
COMPASS	BX6	X1			COMPASS	16931	A
COMPASS	SA6	ZEVITFL			COMPASS	16932	A
COMPASS	MX6	0			COMPASS	16933	A
COMPASS	BX7	X7-X7	CLEAR OUT REPLY CELLS		COMPASS	16934	A
COMPASS	SA6	ELVAL			COMPASS	16935	A
COMPASS	SA7	A6+B1			COMPASS	16936	A
COMPASS	SA6	A7+B1			COMPASS	16937	A
COMPASS	SA7	A6+B1			COMPASS	16938	A
COMPASS	SA1	ZEVITEMN	SET SWITCH FOR NORMAL EXIT		COMPASS	16939	A
COMPASS	BX6	X1			COMPASS	16940	A
COMPASS	SA6	ZEVITEMS			COMPASS	16941	A
COMPASS	SA1	CHAR			COMPASS	16942	A
COMPASS	SA2	MACHINE			COMPASS	16943	A
COMPASS	SB7	X1-3			COMPASS	16944	A
COMPASS	NZ	X2,ZEVIT10	JUMP IF PP TO IGNORE REGISTER CHECKS		COMPASS	16945	A
COMPASS	NG	B7,ZEVIT500	IF FIRST LETTER IS (A) OR (B)		COMPASS	16946	A
COMPASS	SB7	X1-1RX			COMPASS	16947	A
COMPASS	ZR	B7,ZEVIT500	IF FIRST LETTER IS (X)		COMPASS	16948	A
COMPASS	ZEVIT10	SB7	X1-1RZ-1		COMPASS	16949	A
COMPASS	NG	B7,ZEVIT21	JUMP IF LETTER		COMPASS	16950	A
COMPASS	SB7	X1-1R9-1			COMPASS	16951	A
COMPASS	NG	B7,ZEVIT100	IF DIGIT		COMPASS	16952	A
COMPASS	SB7	X1-1R/			COMPASS	16953	A
COMPASS	ZR	B7,ZEVIT300	IF SLASH		COMPASS	16954	A
COMPASS	SB7	X1-1R=			COMPASS	16955	A
COMPASS	ZR	B7,ZEVIT400	IF EQUALS SIGN		COMPASS	16956	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SB7	X1-1R*	COMPASS	16957	A
COMPASS	ZR	B7,ZEVIT200 IF ASTERISK	COMPASS	16958	A
COMPASS	SB7	X1-1R\$	COMPASS	16959	A
COMPASS	EQ	B7,ZEVIT250 IF DOLLAR SIGN	COMPASS	16960	A
COMPASS			COMPASS	16961	A
COMPASS *		ALPHABETIC CHARACTER LEADS THE ELEMENT.	COMPASS	16962	A
COMPASS			COMPASS	16963	A
COMPASS ZEVIT21	RJ	SCITEM ISOLATE THE SYMBOL	COMPASS	16964	A
COMPASS ZEVIT22	BX1	X6	COMPASS	16965	A
COMPASS	ZR	X6,ZEVITER COMPLAIN IF EMPTY SYMBOL	COMPASS	16966	A
COMPASS	RJ	ZTLUSYM EVALUATE SYMBOL	COMPASS	16967	A
COMPASS	EQ	ZEVITEMS	COMPASS	16968	A
COMPASS			COMPASS	16969	A
COMPASS *		ASTERISK ELEMENT.	COMPASS	16970	A
COMPASS			COMPASS	16971	A
COMPASS ZEVIT200	RJ	SCITEM ISOLATE THE ITEM	COMPASS	16972	A
COMPASS	SB7	X6-1R* ISOLATE VALURIOS LEGAL COMBINATIONS	COMPASS	16973	A
COMPASS	SB6	X6-2R*L	COMPASS	16974	A
COMPASS	SB5	X6-2R*0	COMPASS	16975	A
COMPASS	ZR	B7,ZEVIT210 IF *	COMPASS	16976	A
COMPASS	ZR	B6,ZEVIT210 IF *L	COMPASS	16977	A
COMPASS	ZR	B5,ZEVIT220 IF *0	COMPASS	16978	A
COMPASS	SB7	X6-2R*P	COMPASS	16979	A
COMPASS	SB6	X6-2R*F	COMPASS	16980	A
COMPASS	ZR	B7,ZEVIT230 IF *P	COMPASS	16981	A
COMPASS	ZR	B6,ZEVIT240 IF *F	COMPASS	16982	A
COMPASS ZEVITER	SX6	B1 NOTE ERROR	COMPASS	16983	A
COMPASS	SA6	AERR	COMPASS	16984	A
COMPASS	SA6	EFLG	COMPASS	16985	A
COMPASS	SA6	EXERR	COMPASS	16986	A
COMPASS	EQ	ZEVITEMS	COMPASS	16987	A
COMPASS			COMPASS	16988	A
COMPASS *		* OR *L ELEMENT.	COMPASS	16989	A
COMPASS			COMPASS	16990	A
COMPASS ZEVIT210	SA2	LOCCTR	COMPASS	16991	A
COMPASS ZEVIT211	SA3	A2+B1	COMPASS	16992	A
COMPASS	BX6	X2	COMPASS	16993	A
COMPASS	LX7	X3	COMPASS	16994	A
COMPASS ZEVIT212	SA6	ELVAL	COMPASS	16995	A
COMPASS	SA7	ELREL	COMPASS	16996	A
COMPASS	EQ	ZEVITEMS	COMPASS	16997	A
COMPASS			COMPASS	16998	A
COMPASS *		*0 ELEMENT.	COMPASS	16999	A
COMPASS			COMPASS	17000	A
COMPASS ZEVIT220	SA2	ORGCTR USE ORIGIN COUNTER	COMPASS	17001	A
COMPASS	EQ	ZEVIT211	COMPASS	17002	A
COMPASS			COMPASS	17003	A
COMPASS *		*P ELEMENT.	COMPASS	17004	A
COMPASS			COMPASS	17005	A
COMPASS ZEVIT230	SA2	POSCTR	COMPASS	17006	A
COMPASS ZEVIT231	BX6	X2	COMPASS	17007	A
COMPASS	MX7	0	COMPASS	17008	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	EQ	ZEVIT212	COMPASS	17009	A
COMPASS			COMPASS	17010	A
COMPASS *		*F ELEMENT.	COMPASS	17011	A
COMPASS			COMPASS	17012	A
COMPASS	ZEVIT240	SA2 FMODE	COMPASS	17013	A
COMPASS	EQ	ZEVIT231	COMPASS	17014	A
COMPASS			COMPASS	17015	A
COMPASS *		DOLLAR SIGN.	COMPASS	17016	A
COMPASS			COMPASS	17017	A
COMPASS	ZEVIT250	RJ SCITEM GET ITEM	COMPASS	17018	A
COMPASS		SA1 PPTYPE	F4820	785	A
COMPASS		SX1 X1+B1	F4820	786	A
COMPASS		ZR X1,ZEVIT210 IF BCU ASSEMBLY	F4820	787	A
COMPASS		SB7 X6-1R\$ AND COMPLAIN IF ANYTHING MORE THAN	COMPASS	17019	A
COMPASS		SA1 POSCTR JUST A DOLLAR SIGN	COMPASS	17020	A
COMPASS		SX6 X1-1	COMPASS	17021	A
COMPASS		MX7 0	COMPASS	17022	A
COMPASS		ZR B7,ZEVIT212	COMPASS	17023	A
COMPASS		EQ ZEVITER	COMPASS	17024	A
COMPASS			COMPASS	17025	A
COMPASS *		SLASH ELEMENT.	COMPASS	17026	A
COMPASS			COMPASS	17027	A
COMPASS	ZEVIT300	RJ GETCH	COMPASS	17028	A
COMPASS		SA2 CHAR CHECK NEXT CHARACTER	COMPASS	17029	A
COMPASS		SX1 X2-1R/	COMPASS	17030	A
COMPASS		ZR X1,ZEVIT303 IF */*	COMPASS	17031	A
COMPASS		RJ SCITEM	COMPASS	17032	A
COMPASS		SB7 X1-1R/	COMPASS	17033	A
COMPASS		NZ B7,ZEVITER IF NOT QUAL SYMBOL	COMPASS	17034	A
COMPASS		BX1 X6	COMPASS	17035	A
COMPASS	ZEVIT303	RJ SQV SET QUAL VALUE	COMPASS	17036	A
COMPASS		RJ GETCH SKIP TERMINAL /	COMPASS	17037	A
COMPASS		RJ SCITEM	COMPASS	17038	A
COMPASS		SA6 ZEVA	CMP1	31	A
COMPASS		BX1 X6	COMPASS	17039	A
COMPASS		NZ X6,ZEVIT301 IF NOT EMPTY SYMBOL	COMPASS	17040	A
COMPASS		SX6 B1	COMPASS	17041	A
COMPASS		SA6 AERR	COMPASS	17042	A
COMPASS		SA6 EFLG	COMPASS	17043	A
COMPASS		EQ ZEVIT302	COMPASS	17044	A
COMPASS	ZEVIT301	RJ ZTLUSYM	COMPASS	17045	A
COMPASS		SA1 ZEVA LOOK UP SYMBOL	CMP1	32	A
COMPASS		RJ TLUSYMT	CMP1	33	A
COMPASS		SA1 X3-1	CMP1	34	I
COMPASS	-CP096A				
COMPASS		SX0 X3-1	CP096A	518	A
COMPASS		RX1 X0	CP096A	519	A
COMPASS		BX6 X5-X1	CMP1	35	A
COMPASS		ZR X6,ZEVIT302 IF THE SAME QUALIFIER	CMP1	36	A
COMPASS		SX6 B1 SET UNDEFINED ERROR	CMP1	37	I
COMPASS	-CMP146				
COMPASS		MX7 0	CMP1	38	I

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP146

1	COMPASS		SA6	UERR		CMP1	39	I	
2		-CMP146							
3	COMPASS		SA7	ELVAL		CMP1	40	I	
4		-CMP146							
5	COMPASS		SA6	EFLG		CMP1	41	I	
6		-CMP146							
7	COMPASS		SA7	A7+B1	ELREL	CMP1	42	I	
8		-CMP146							
9	COMPASS		SA7	A7+B1	ELEXT	CMP1	43	I	
10		-CMP146							
11	COMPASS		SA6	EXERR		CMP1	44	I	
12		-CMP146							
13	COMPASS		SX2	B0		CMP146	35	A	
14	COMPASS		RJ	ENTSYMT	ENTER SYMBOL TABLE	CMP146	36	A	
15	COMPASS		EQ	ZEVIT301	AND GO LOOK AGAIN	CMP146	37	A	
16	COMPASS	ZEVIT302	SA1	QVAL+1	RESET QUAL VALUE	COMPASS	17046	A	
17	COMPASS		BX6	X1		COMPASS	17047	A	
18	COMPASS		SA6	A1-B1		COMPASS	17048	A	
19	COMPASS		EQ	ZEVITEMS	RETURN	COMPASS	17049	A	
20	COMPASS					COMPASS	17050	A	
21	COMPASS	*	EQUALS	SIGN.		COMPASS	17051	A	
22	COMPASS					COMPASS	17052	A	
23	COMPASS	ZEVIT400	RJ	GETCH		COMPASS	17053	A	
24	COMPASS		SB7	X1-1RS		COMPASS	17054	A	
25	COMPASS		SB6	X1-1RX		COMPASS	17055	A	
26	COMPASS	+	ZR	B7,*+1	IF =S TYPE SYMBOL	COMPASS	17056	I	
27		-CP154							
28	COMPASS		ZR	B7,ZEVIT402	IF =S TYPE SYMBOL	CP154	53	A	
29	COMPASS		EQ	B6,B1,ZEVIT402	IF =Y TYPE SYMBOL	CP154	54	A	
30	COMPASS		NZ	B6,ZEVIT401	JUMP IF NUMERIC LITERAL	COMPASS	17057	A	
31	COMPASS		RJ	GETCH	THROW AWAY THE X OR S	COMPASS	17058	I	
32		-CP154							
33	COMPASS	ZEVIT402	RJ	GETCH	THROW AWAY THE *S* OR *X* OR *Y*	CP154	55	A	
34	COMPASS		EQ	ZEVIT21	AND GO EVALUATE NORMAL SYMBOL	COMPASS	17059	A	
35	COMPASS	ZEVIT401	SX2	VALUES	PREPARE TO EVALUATE LITERAL	COMPASS	17060	A	
36	COMPASS		SX3	NLITS		COMPASS	17061	A	
37	COMPASS		SX4	-B1		COMPASS	17062	A	
38	COMPASS		SA5	LWORD		COMPASS	17063	A	
39	COMPASS		RJ	SCD	SCAN DATA ITEM	COMPASS	17064	A	
40	COMPASS		ZR	X3,ZEVITER	COMPLAIN IF ZERO-LENGTH DATA	COMPASS	17065	A	
41	COMPASS		SX2	VALUES		COMPASS	17066	A	
42	COMPASS		RJ	ZTLULIT	LOOK UP LITERAL	COMPASS	17067	A	
43	COMPASS		MX0	39		COMPASS	17068	A	
44	COMPASS		BX6	-X0*X3		COMPASS	17069	A	
45	COMPASS		AX3	24		COMPASS	17070	A	
46	COMPASS		BX7	X3		COMPASS	17071	I	
47		-CMP30							
48	COMPASS		MX2	-9		CMP30	5094	A	
49	COMPASS		BX7	-X2*X3		CMP30	5095	A	
50	COMPASS		EQ	ZEVIT212		COMPASS	17072	A	
51	COMPASS					COMPASS	17073	A	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	BX7	X2			CPS026	59	A
COMPASS	SA7	REFLET			CPS026	60	A
COMPASS	SA2	ELVAL			COMPASS	17120	A
COMPASS	SA3	A2+B1	ELREL		COMPASS	17121	A
COMPASS	SA4	A3+B1	ELEXT		COMPASS	17122	A
COMPASS	BX5	X3+X4			COMPASS	17123	A
COMPASS	SA3	EXERR			COMPASS	17124	A
COMPASS	IX5	X5+X3			COMPASS	17125	A
COMPASS	NZ	X5,ZEVIT550			COMPASS	17126	A
COMPASS	MX5	-3			COMPASS	17127	A
COMPASS	BX6	-X5*X2			COMPASS	17128	A
COMPASS	MX7	60			COMPASS	17129	A
COMPASS	BX5	X5*X2			COMPASS	17130	A
COMPASS	SA7	A2			COMPASS	17131	A
COMPASS	SA2	A4+B1	ELREG		COMPASS	17132	A
COMPASS	IX6	X6+X2			COMPASS	17133	A
COMPASS	SA6	A2			COMPASS	17134	A
COMPASS	ZR	X5,ZEVITEM	IF NO FIELD OVERFLOW		COMPASS	17135	A
COMPASS	SX6	B1	COMPLAIN		COMPASS	17136	A
COMPASS	SA6	EFLG			COMPASS	17137	A
COMPASS	SA6	W7ERR			COMPASS	17138	A
COMPASS	EQ	ZEVITEM			COMPASS	17139	A
COMPASS	ZEVIT550	SX6	B1	COMPLAIN	COMPASS	17140	A
COMPASS		SA6	A3		COMPASS	17141	A
COMPASS		SA6	AERR		COMPASS	17142	A
COMPASS		SA6	EFLG		COMPASS	17143	A
COMPASS	ZEVITEMN	SA1	CHAR		COMPASS	17144	A
COMPASS		EQ	ZEVITEM		COMPASS	17145	A
COMPASS					COMPASS	17146	A
COMPASS	ZEVITFL	DATA	0		COMPASS	17147	A
COMPASS	ZEVA	DATA	0		CMP1	45	A
COMPASS	ZEVB	DATA	0		CPS026	61	A
COMPASS	ZFOUP	SPACE	4		COMPASS	17148	A
COMPASS	**	ZFOUP	- FORCE UPPER.		COMPASS	17149	A
COMPASS					COMPASS	17150	A
COMPASS					COMPASS	17151	A
COMPASS	ZFOUP	PS	RETURN EXIT		COMPASS	17152	A
COMPASS		MX6	0		COMPASS	17153	A
COMPASS		SA1	POSCTR		COMPASS	17154	A
COMPASS		SA2	LWORD		COMPASS	17155	A
COMPASS		BX3	X1-X2		COMPASS	17156	A
COMPASS		SA6	NFOUP		COMPASS	17157	A
COMPASS		ZR	X3,ZFOUP	EXIT IF ALREADY AT TOP OF WORD	COMPASS	17158	A
COMPASS		SA4	MACHINE		COMPASS	17159	A
COMPASS		NZ	X4,ZFOUP1	JUMP IF PP CODING	COMPASS	17160	A
COMPASS		SA3	=0.067P48	ROUND DOWN TO NEAREST QUARTER WORD	COMPASS	17161	A
COMPASS		SA4	=15.0P0		COMPASS	17162	A
COMPASS		PX0	X1		COMPASS	17163	A
COMPASS		FX5	X0*X3		COMPASS	17164	A
COMPASS		DX7	X5*X4		COMPASS	17165	A
COMPASS		SA6	A1		COMPASS	17166	A
COMPASS		SX2	X7		COMPASS	17167	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA2	ZFUALT	COMPASS	17213	A
COMPASS	SX2	X2	COMPASS	17214	A
COMPASS	LX2	24	COMPASS	17215	A
COMPASS	IX6	X1+X2	COMPASS	17216	A
COMPASS	EQ	ZFU1	COMPASS	17217	A
COMPASS			COMPASS	17218	A
COMPASS	ZFUALT	DATA 0	COMPASS	17219	A
COMPASS	ZPRLOC	SPACE 4	COMPASS	17220	A
COMPASS	**	ZPRLOC - PROCESS LOCATION SYMBOL.	COMPASS	17221	A
COMPASS	*	ENTRY (X1) = INSTRUCTION LENGTH.	COMPASS	17222	A
COMPASS			COMPASS	17223	A
COMPASS			COMPASS	17224	A
COMPASS	ZPRLOC	PS	COMPASS	17225	A
COMPASS		RETURN EXIT	COMPASS	17226	A
COMPASS	SA2	POSCTR	COMPASS	17227	A
COMPASS	SA3	MACHINE	COMPASS	17227	A
COMPASS	SA4	LWORD	F4820	788	A
COMPASS	PX0	X2	COMPASS	17228	A
COMPASS	BX6	X2	COMPASS	17229	A
COMPASS	NZ	X3,ZPRLOC1 IF PP	COMPASS	17230	A
COMPASS	SA4	=0.067P48	COMPASS	17231	A
COMPASS	SA5	=15.0P0	COMPASS	17232	A
COMPASS	FX0	X0*X4	COMPASS	17233	A
COMPASS	DX4	X0*X5	COMPASS	17234	A
COMPASS	UX6	X4,B7	COMPASS	17235	A
COMPASS	EQ	ZPRLOC2	COMPASS	17236	A
COMPASS	ZPRLOC1	SB7	COMPASS	17237	I
COMPASS	-F4820				
COMPASS	ZPRLOC1	IX4	F4820	789	A
COMPASS		X2-X4	F4820	790	A
COMPASS	SB7	X4	COMPASS	17238	A
COMPASS	ZR	B7,ZPRLOC2	COMPASS	17239	A
COMPASS	MX6	0	COMPASS	17240	A
COMPASS	ZPRLOC2	SA6	COMPASS	17241	A
COMPASS		A2	COMPASS	17242	A
COMPASS		RESET POSITION COUNTER	COMPASS	17243	A
COMPASS	+	BX7	COMPASS	17244	A
COMPASS		X1	COMPASS	17245	A
COMPASS		ZPRLOCT	COMPASS	17246	A
COMPASS		SAVE INCREMENT COUNT	COMPASS	17247	A
COMPASS		SA7	COMPASS	17248	A
COMPASS		X6,*+1	COMPASS	17249	A
COMPASS		RJ	COMPASS	17250	A
COMPASS		ZFOUP	COMPASS	17251	A
COMPASS		IF AT BOTTOM OF WORD, FORCE UPPER	COMPASS	17252	A
COMPASS		SA1	COMPASS	17253	A
COMPASS		ZPRLOCT	COMPASS	17254	A
COMPASS		SA2	COMPASS	17255	A
COMPASS		POSCTR	COMPASS	17256	A
COMPASS		IX6	COMPASS	17257	A
COMPASS		X2-X1	COMPASS	17258	A
COMPASS		PL	COMPASS	17259	A
COMPASS		X6,*+1	COMPASS	17260	A
COMPASS		IF INSTRUCTION LENGTH DEMANDS IT			
COMPASS		RJ			
COMPASS		ZFOUP			
COMPASS		SA1			
COMPASS		LOCSYM			
COMPASS		SB7			
COMPASS		X1-1R-			
COMPASS		NZ			
COMPASS		B7,ZPRLOC4			
COMPASS		IF NOT MINUS			
COMPASS		MX6			
COMPASS		0			
COMPASS		CLEAR FORCE UPPER			
COMPASS		SA6			
COMPASS		NFOUP			
COMPASS		EQ			
COMPASS		ZPRLOC3			
COMPASS		SA2			
COMPASS		NFOUP			
COMPASS		BX1			
COMPASS		X2+X1			
COMPASS		X1,*+1			
COMPASS		IF LOCSYM NON BLANK OR NFOUP NON 0			
COMPASS		RJ			
COMPASS		ZFOUP			
COMPASS		ZPRLOC3			
COMPASS		BSS			
COMPASS		0			

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA1	POSCTR		COMPASS	17261	A
COMPASS	SA2	LWORD	CHECK FOR BEING AT TOP OF WORD	COMPASS	17262	A
COMPASS	BX3	X1-X2		COMPASS	17263	A
COMPASS	NZ	X3,ZPRLOC5	IF NOT AT TOP OF WORD	COMPASS	17264	A
COMPASS	RJ	LLA	LIST LOCATION ADDRESS	COMPASS	17265	A
COMPASS	ZPRLOC5	SA1	LOCSYM	COMPASS	17266	A
COMPASS	ZR	X1,ZPRLOC	EXIT IF NO LOCATION SYMBOL	COMPASS	17267	A
COMPASS	BX2	X1	AVOID REFERENCE TO INVENTED SYMBOL	COMPASS	17268	I
-CMP19						
COMPASS	SX6	B0		COMPASS	17269	I
-CMP19						
COMPASS	SA6	A1		COMPASS	17270	I
-CMP19						
COMPASS	AX2	36		COMPASS	17271	I
-CMP19						
COMPASS	SB7	X2-2R'?		COMPASS	17272	I
-CMP19						
COMPASS	SB6	X1-1R+		COMPASS	17273	I
-CMP19						
COMPASS	ZR	B7,ZPRLOC	IF INVENTED SYMBOL	COMPASS	17274	I
-CMP19						
COMPASS	ZR	B6,ZPRLOC	IF +	COMPASS	17275	I
-CMP19						
COMPASS	EQ	B6,B1,ZPRLOC	IF -	COMPASS	17276	I
-CMP19						
COMPASS	MX6	0		CMP19	383	A
COMPASS	SB7	X1-1R+		CMP19	384	A
COMPASS	SA6	A1		CMP19	385	A
COMPASS	ZR	B7,ZPRLOC	IF +	CMP19	386	A
COMPASS	EQ	B7,B1,ZPRLOC	IF -	CMP19	387	A
COMPASS	RJ	TLUSYMT	LOOK UP SYMBOL	COMPASS	17277	A
COMPASS	ZR	X2,ZPRLOC	IF UNDEFINED	COMPASS	17278	I
-CMP19						
COMPASS	ZR	X3,ZPRLOC	IF NOT FOUND	CMP19	388	A
COMPASS	SX1	1RL	USAGE = L	COMPASS	17279	A
COMPASS	RJ	ENTREF	ENTER REFERENCE TABLE	COMPASS	17280	A
COMPASS	EQ	ZPRLOC	EXIT	COMPASS	17281	A
COMPASS				COMPASS	17282	A
COMPASS	ZPRLOCT	DATA	0	COMPASS	17283	A
COMPASS	ZTLIST	SPACE	4	COMPASS	17284	A
COMPASS	**	ZTLIST	- SEE IF THIS CARD WOULD LIST.	COMPASS	17285	A
COMPASS	*		USED BY SPACE AND EJECT TO SEE IF SPACING SHOULD BE DONE.	COMPASS	17286	A
COMPASS	*		IF YES, EXIT. IF NO, JUMP TO Z100.	COMPASS	17287	A
COMPASS				COMPASS	17288	A
COMPASS				COMPASS	17289	A
COMPASS	ZTLIST	PS	RETURN EXIT	COMPASS	17290	A
COMPASS	SA1	LOCSYM		COMPASS	17291	A
COMPASS	BX6	X1		COMPASS	17292	A
COMPASS	SA6	SUBNAME		COMPASS	17293	A
COMPASS	SA1	LSLA		COMPASS	17294	A
COMPASS	SB7	30		COMPASS	17295	A
COMPASS	ZTL1	AX2	X1,B7	COMPASS	17296	A
			CHECK LIST OPTIONS			

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS		SA3	X1	LIST CONTROL	COMPASS	17297	A		
1	COMPASS		SA4	X2	CARD TYPE	COMPASS	17298	A	1	
2	COMPASS		BX6	-X3*X4		COMPASS	17299	A	2	
3	COMPASS		SA1	A1+B1		COMPASS	17300	A	3	
4	COMPASS		ZR	X6,ZTL1	IF LIST STILL POSSIBLE	COMPASS	17301	A	5	
5	COMPASS		SX6	A1-LSLA-LSLAL		COMPASS	17302	A	6	
6	COMPASS		NZ	X6,Z100	IF NO LIST	COMPASS	17303	A	7	
7	COMPASS		RJ	LDL	LIST DEFERRED LINE	COMPASS	17304	A	9	
8	COMPASS		RJ	CPL	CREATE PRINT LINE	COMPASS	17305	A	10	
9	COMPASS		EQ	ZTLIST	RETURN	COMPASS	17306	A	12	
10	COMPASS	ZTLULIT	SPACE	4		COMPASS	17307	A	13	
11	COMPASS	**	ZTLULIT	-	LOOK UP LITERALS.	COMPASS	17308	A	14	
12	COMPASS	*	ENTRY	(X2)	= ORIGIN OF VALUES.	COMPASS	17309	A	15	
13	COMPASS	*		(X3)	= WORD COUNT.	COMPASS	17310	A	17	
14	COMPASS	*	EXIT	(X3)	= RELOCATED EQUIVALENT.	COMPASS	17311	A	18	
15	COMPASS					COMPASS	17312	A	19	
16	COMPASS					COMPASS	17313	A	21	
17	COMPASS	ZTLULIT	PS		RETURN EXIT	COMPASS	17314	A	22	
18	COMPASS		SA4	O.LITAB	FIND LITERAL TABLE	COMPASS	17315	A	23	
19	COMPASS		SA5	LI		COMPASS	17316	A	25	
20	COMPASS		IX4	X4+X5		COMPASS	17317	A	26	
21	COMPASS		SB6	X4		COMPASS	17318	A	27	
22	COMPASS		SA4	B6		COMPASS	17319	A	29	
23	COMPASS		SB2	X2		COMPASS	17320	A	30	
24	COMPASS		SB3	X3		COMPASS	17321	A	31	
25	COMPASS		SA2	X2		COMPASS	17322	A	33	
26	COMPASS	ZLIT1	BX7	X4-X2		COMPASS	17323	A	34	
27	COMPASS		SA4	A4+B1		COMPASS	17324	A	35	
28	COMPASS		NG	X7,ZLIT1	IF NO MATCH	COMPASS	17325	A	37	
29	COMPASS		NZ	X7,ZLIT1		COMPASS	17326	A	38	
30	COMPASS		SB5	B0	CHECK FOR SEQUENTIAL EQUALITY OF	COMPASS	17327	A	39	
31	COMPASS		MX0	0	BOTH ELEMENTS	COMPASS	17328	A	41	
32	COMPASS	ZLIT2	SA5	A4+B5		COMPASS	17329	A	42	
33	COMPASS		SB5	B5+B1		COMPASS	17330	A	43	
34	COMPASS		BX0	X0+X7	ACCUMULATE DIFFERANCES	COMPASS	17331	A	45	
35	COMPASS		SA3	A2+B5		COMPASS	17332	A	46	
36	COMPASS		BX7	X3-X5	COMPARE VALUES	COMPASS	17333	A	47	
37	COMPASS		NE	B5,B3,ZLIT2		COMPASS	17334	A	49	
38	COMPASS		NZ	X0,ZLIT1	IF MATCH NOT FOUND	COMPASS	17335	A	50	
39	COMPASS		NG	X0,ZLIT1		COMPASS	17336	A	51	
40	COMPASS		SB7	A4-B1	INDEX OF ENTRY IN LITAB	COMPASS	17337	A	53	
41	COMPASS		SX4	B7-B6		COMPASS	17338	A	54	
42	COMPASS		SA1	O.USETAB	FIND LITERALS ORIGIN	COMPASS	17339	A	55	
43	COMPASS		SA2	UI		COMPASS	17340	A	57	
44	COMPASS		IX1	X1+X2		COMPASS	17341	A	58	
45	COMPASS		SA2	X1+14		COMPASS	17342	I	59	
46		-CMP30							61	
47	COMPASS		SA2	X1+2*4+2		CMP30	5096	A	62	
48	COMPASS		IX3	X2+X4		COMPASS	17343	A	63	
49	COMPASS		EQ	ZTLULIT	RETURN	COMPASS	17344	A	65	
50	COMPASS	ZTLUSYM	SPACE	4		COMPASS	17345	A	66	
51	COMPASS	**	ZTLUSYM	-	EVALUATE SYMBOL.	COMPASS	17346	A	67	
52									69	
53		0	1	2	3	4	5	6	7	8
54		123456789012345678901234567890123456789012345678901234567890								



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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	ZTLU5	RJ	ENTREF		COMPASS	17407	I
	-CPS026						
COMPASS		RJ	ENTREF	ENTER REFERENCE TABLE	CPS026	62	A
COMPASS		EQ	ZTLUSYM		COMPASS	17408	A
COMPASS	ZUPLOC	SPACE	4		COMPASS	17409	A
COMPASS	**	ZUPLOC	-	UPDATE LOCATION COUNTER.	COMPASS	17410	A
COMPASS	*	ENTRY	(X1)	= INCREMENT.	COMPASS	17411	A
COMPASS					COMPASS	17412	A
COMPASS					COMPASS	17413	A
COMPASS	ZUPLOC	PS		RETURN EXIT	COMPASS	17414	A
COMPASS		SA2	ORGCTR		COMPASS	17415	A
COMPASS		SA3	LOCCTR		COMPASS	17416	A
COMPASS		IX6	X1+X2		COMPASS	17417	A
COMPASS		IX7	X1+X3		COMPASS	17418	A
COMPASS		SA6	A2		COMPASS	17419	A
COMPASS		SA7	A3		COMPASS	17420	A
COMPASS		RJ	RESORG	RESET ORIGIN	COMPASS	17421	A
COMPASS		EQ	ZUPLOC	RETURN	COMPASS	17422	A
COMPASS	ALM	TITLE	BINARY	OUTPUT ROUTINES.	COMPASS	17423	A
COMPASS	**		TEMPORARY	STORAGE FOR BINARY OUTPUT ROUTINES.	COMPASS	17424	A
COMPASS					COMPASS	17425	A
COMPASS					COMPASS	17426	A
COMPASS		SEG	BINARY	OUTPUT SUBROUTINES.	CMP30	5097	A
COMPASS	BTEMP	DATA	0	GENERAL TEMPORARY	COMPASS	17427	A
COMPASS	BTEMPA	DATA	0	GENERAL TEMPORARY	COMPASS	17428	A
COMPASS	BTEMPB	DATA	0	GENERAL TEMPORARY	COMPASS	17429	A
COMPASS	ALM	SPACE	4		COMPASS	17430	A
COMPASS	**	ALM	-	ALLOCATE MEMORY.	COMPASS	17431	A
COMPASS					COMPASS	17432	A
COMPASS					COMPASS	17433	A
COMPASS	ALM	PS		RETURN EXIT	COMPASS	17434	A
COMPASS		SA1	B		CMP30	5098	A
COMPASS		SA2	ABSFG		CPS012	11	A
COMPASS		ZR	X1,ALM	IF NO BINARY FILE	CMP30	5099	A
COMPASS		ZR	X2,ALM	IF RELOCATABLE ASSEMBLY	CPS012	12	A
COMPASS		SA2	ORGBASE		COMPASS	17435	A
COMPASS		SA3	MACHINE		COMPASS	17436	I
	-CPSA281						
COMPASS		SA3	MACHINE	0 (CP) OR 1 (PP)	CPSA281	315	A
COMPASS		SA4	LPGM		COMPASS	17437	A
COMPASS		SA1	PPTYPE		F4820	791	A
COMPASS		LX3	2		COMPASS	17438	I
	-CPSA281						
COMPASS		IX0	X4-X2		COMPASS	17439	I
	-CPSA281						
COMPASS		IX0	X0+X3	ROUND TO NEAREST CM WORD IF PP	COMPASS	17440	I
	-F4820						
COMPASS		SX1	X1+B1		F4820	792	I
	-CPSA281						
COMPASS		NZ	X1,ALM1	IF NOT BCU ASSEMBLY	F4820	793	I
	-CPSA281						
COMPASS		LX0	1		F4820	794	I
	0	1	2	3	4	5	6
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPSA281

1	COMPASS	ALM1	IX0	X0+X3	ROUND TO NEAREST CM WORD IF PP	F4820	795	I	1	
2		-CPSA281							2	
3	COMPASS		NG	X0,ALM	IF PROGRAM SIZE NEGATIVE	COMPASS	17441	I	3	
4		-CPSA281							4	
5	COMPASS		SX3	X3+B1		COMPASS	17442	I	5	
6		-CPSA281							6	
7	COMPASS		IX1	X0/X3	CALCULATE MEMORY SIZE	COMPASS	17443	I	7	
8		-CPSA281							8	
9	COMPASS		LX3	2	0 OR 4	CPSA281	316	A	9	
10	COMPASS		IX0	X4-X2	SIZE OF PROGRAM IMAGE	CPSA281	317	A	10	
11	COMPASS		SX1	X1+B1		CPSA281	318	A	11	
12	COMPASS		SX6	X3+B1	1 OR 5	CPSA281	319	A	12	
13	COMPASS		NZ	X1,ALM1	IF NOT BCU	CPSA281	320	A	13	
14	COMPASS		LX0	1	DOUBLE BYTE COUNT FOR BCU	CPSA281	321	A	14	
15	COMPASS					CPSA281	322	A	15	
16	COMPASS	ALM1	SX1	X1+2		CPSA281	323	A	16	
17	COMPASS		NZ	X1,ALM2	IF NOT 180 PP ASSEMBLY	CPSA281	324	A	17	
18	COMPASS					CPSA281	325	A	18	
19	COMPASS	*			FOR A 180 PPU ASSEMBLY, THE 16-BIT PP BYTES ARE PACKED INTO	CPSA281	326	A	19	
20	COMPASS	*			60-BIT WORDS LEAVING NO UNUSED BITS. E.G., SO AS TO FIT	CPSA281	327	A	20	
21	COMPASS	*			15 16-BIT BYTES (240 BITS) EXACTLY INTO 4 CM WORDS (240 BITS).	CPSA281	328	A	21	
22	COMPASS	*			THE NUMBER OF CM WORDS NEEDED FOR A PPU PROGRAM OF N BYTES IN	CPSA281	329	A	22	
23	COMPASS	*			LENGTH IS...	CPSA281	330	A	23	
24	COMPASS					CPSA281	331	A	24	
25	COMPASS	*			( ( N * 16 ) + 59 ) / 60	CPSA281	332	A	25	
26	COMPASS					CPSA281	333	A	26	
27	COMPASS		SX3	59		CPSA281	334	A	27	
28	COMPASS		LX0	4	N*16	CPSA281	335	A	28	
29	COMPASS		SX6	X3+B1		CPSA281	336	A	29	
30	COMPASS					CPSA281	337	A	30	
31	COMPASS	ALM2	IX0	X0+X3	ROUND TO NEAREST CM WORD IF ANY PP TYPE	CPSA281	338	A	31	
32	COMPASS		MI	X0,ALM	IF PROGRAM SIZE NEGATIVE	CPSA281	339	A	32	
33	COMPASS		IX1	X0/X6	MEMORY SIZE IN CM WORDS	CPSA281	340	A	33	
34	COMPASS		SA2	L.MEMORY		COMPASS	17444	A	34	
35	COMPASS		IX1	X1-X2		COMPASS	17445	A	35	
36	COMPASS		MANAGE	MEMORY,X1		COMPASS	17446	A	36	
37	COMPASS		ZR	X3,ALM	IF NO MEMORY	COMPASS	17447	A	37	
38	COMPASS		IX3	X2+X3	CLEAR MEMORY AREA	COMPASS	17448	A	38	
39	COMPASS		MX1	0		COMPASS	17449	I	39	
40		-CMP30							40	
41	COMPASS		RJ	PRESET		COMPASS	17450	I	41	
42		-CMP30							42	
43	COMPASS		RJ	CLS		CMP30	5100	A	43	
44	COMPASS		EQ	ALM	RETURN	COMPASS	17451	A	44	
45	COMPASS	BINOUT	SPACE	4		COMPASS	17452	A	45	
46	COMPASS	**			BINOUT - OUTPUT BYTE OF INFORMATION.	COMPASS	17453	A	46	
47	COMPASS	*			BINOUT RECORDS INFORMATION BY OR-ING INTO BINWORD/BINREL.	COMPASS	17454	A	47	
48	COMPASS	*			R-ERRORS AND A-ERRORS POSTED FOR RANGE/ILLEGAL RELOCATION.	COMPASS	17455	A	48	
49	COMPASS	*	ENTRY	(X1) = VALUE.		COMPASS	17456	A	49	
50	COMPASS	*		(X2) = BIT COUNT.		COMPASS	17457	A	50	
51	COMPASS	*		(X3) = RELOCATION.		COMPASS	17458	A	51	
52									52	
53		0	1	2	3	4	5	6	7	8
54		1234567890123456789012345678901234567890123456789012345678901234567890								
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\* (X4) = EXTERNAL NUMBER.

14121HE

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP30

1	COMPASS		SX6	B1+B1		COMPASS	17506		I
2		-CMP30							
3	COMPASS		EQ	B7,B1,BINOUT3	IF + PROGRAM	CMP30	5105	A	
4	COMPASS		SB6	401B		COMPASS	17507	A	
5	COMPASS		EQ	B6,B7,BINOUT3		COMPASS	17508		I
6		-CMP30							
7	COMPASS		SX6	B1+B1		CMP30	5106	A	
8	COMPASS		EQ	B7,B6,BINOUT3	IF - PROGRAM	CMP30	5107	A	
9	COMPASS		SX6	B7+B1		COMPASS	17509	A	
10	COMPASS		LT	B7,B6,BINOUT3		COMPASS	17510		I
11		-CMP30							
12	COMPASS		SX7	B1		COMPASS	17511		I
13		-CMP30							
14	COMPASS		SA7	AERR	POST INVALID RELOCATION	COMPASS	17512		I
15		-CMP30							
16	COMPASS		SA7	EFLG		COMPASS	17513		I
17		-CMP30							
18	COMPASS		MX6	0		COMPASS	17514		I
19		-CMP30							
20	COMPASS		GT	B7,B6,BINOUT5	IF NOT COMMON	CMP30	5108	A	
21	COMPASS	BINOUT3	SA2	BINREL		COMPASS	17515	A	
22	COMPASS		LX6	X6,B4		COMPASS	17516		I
23		-CMP30							
24	COMPASS		BX7	X6+X2		COMPASS	17517		I
25		-CMP30							
26	COMPASS		SA7	A2		COMPASS	17518		I
27		-CMP30							
28	COMPASS		SX4	B2	FIELD SIZE	CMP30	5109	A	
29	COMPASS		LX6	6		CMP30	5110	A	
30	COMPASS		SB6	B1+B1		CMP30	5111	A	
31	COMPASS		SX7	X2+B1	BUMP HALFWORD NUMBER	CMP30	5112	A	
32	COMPASS		LX2	-1		CMP30	5113	A	
33	COMPASS		SB7	X2+B1	BINREL WORD NUMBER	CMP30	5114	A	
34	COMPASS		BX6	X6+X1	POSITION COUNTER	CMP30	5115	A	
35	COMPASS		SA3	A2+B7	FETCH BINREL WORD	CMP30	5116	A	
36	COMPASS		GT	B7,B6,BINOUT5	IF MORE THAN 4 HALFWORDS	CMP30	5117	A	
37	COMPASS		LX6	6		CMP30	5118	A	
38	COMPASS		SA7	A2	UPDATE HALFWORD NUMBER	CMP30	5119	A	
39	COMPASS		BX4	X6+X4		CMP30	5120	A	
40	COMPASS		MI	X2,BINOUT4	IF LOWER HALFWORD	CMP30	5121	A	
41	COMPASS		LX4	30	SHIFT RELOCATION	CMP30	5122	A	
42	COMPASS	BINOUT4	BX6	X3+X4		CMP30	5123	A	
43	COMPASS		SA6	A3	STORE UPDATED BINREL WORD	CMP30	5124	A	
44	COMPASS		EQ	BINOUT	RETURN	CMP30	5125	A	
45	COMPASS	BINOUT5	SX7	B1		CMP30	5126	A	
46	COMPASS		SA7	AERR	BAD RELOCATION OR TOO MANY REL FIELDS	CMP30	5127	A	
47	COMPASS		SA7	EFLG		CMP30	5128	A	
48	COMPASS		EQ	BINOUT		COMPASS	17519	A	
49	COMPASS	DBSSZ	SPACE	4		COMPASS	17520	A	
50	COMPASS	**	DBSSZ	- DUMP SAVED BSSZ CODING.		COMPASS	17521	A	
51	COMPASS	*	DBSSZ	CREATES THE FOLLOWING TABLES:		COMPASS	17522	A	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	*					COMPASS	17523	A
COMPASS	*			RELOCATABLE PROGRAMS...		COMPASS	17524	A
COMPASS	*			FOR LESS THAN 5 WORDS OF ZEROES...		COMPASS	17525	A
COMPASS	*			40 TABLE FOR STORING 5 OR LESS ZEROES.		COMPASS	17526	A
COMPASS	*			FOR MORE THAN 5 WORDS OF ZEROES...		COMPASS	17527	A
COMPASS	*			40 TABLE = TEXT FOR STORING ONE ZERO.		COMPASS	17528	A
COMPASS	*			43 TABLE = REPL FOR REPLICATING THE ZEROES.		COMPASS	17529	A
COMPASS	*					COMPASS	17530	A
COMPASS	*			FOR ABSOLUTE ROUTINES, MEMORY IS CLEARED OUT.		COMPASS	17531	A
COMPASS						COMPASS	17532	A
COMPASS						COMPASS	17533	A
COMPASS	DBSSZX	MX6	0	CLEAR OUT RECORD		COMPASS	17534	A
COMPASS		SA6	CNTBSSZ			COMPASS	17535	A
COMPASS						COMPASS	17536	A
COMPASS	DBSSZ	PS		RETURN EXIT		COMPASS	17537	A
COMPASS		RJ	RESORG			COMPASS	17538	A
COMPASS		SA1	CNTBSSZ			COMPASS	17539	A
COMPASS		SA2	MACHINE			COMPASS	17540	A
COMPASS		ZR	X1,DBSSZ	QUIT IF NO WORDS TO DUMP		COMPASS	17541	A
COMPASS		SA3	B			CMP30	5129	A
COMPASS		ZR	X3,DBSSZX	IF NO BINARY FILE		CMP30	5130	A
COMPASS		NZ	X2,DBSSZP	IF PP CODING		COMPASS	17542	A
COMPASS		SA2	ABSFG			COMPASS	17543	A
COMPASS		NZ	X2,DBSSZC	IF CP ABSOLUTE PROGRAM		COMPASS	17544	A
COMPASS		SA4	ORGBSSZ+1	CONVERT RELOCATION		COMPASS	17545	A
COMPASS		SA2	=40000001BS36			COMPASS	17546	I
COMPASS	-CMP30							
COMPASS		SA2	DBTB	TEXT TABLE HEADER		CMP30	5131	A
COMPASS	+	AX6	X4,B1			COMPASS	17547	A
COMPASS		ZR	X6,*+1			COMPASS	17548	A
COMPASS		SX4	X4+B1	CONVERT RELOCATION		COMPASS	17549	A
COMPASS		SA3	A4-B1			CMP30	5132	A
COMPASS		LX4	18			COMPASS	17550	A
COMPASS		IX2	X4+X2	ADD RELOCATION		COMPASS	17551	I
COMPASS	-CMP30							
COMPASS		SB7	X1-5			COMPASS	17552	I
COMPASS	-CMP30							
COMPASS		LX1	36			COMPASS	17553	I
COMPASS	-CMP30							
COMPASS		SA3	A4-B1			COMPASS	17554	I
COMPASS	-CMP30							
COMPASS		BX3	X2+X3	ADD IN ORIGIN		COMPASS	17555	I
COMPASS	-CMP30							
COMPASS		PL	B7,DBSSZR			COMPASS	17556	I
COMPASS	-CMP30							
COMPASS		BX5	X3			CMP30	5133	A
COMPASS		AX3	17			CMP30	5134	A
COMPASS		SX7	5			CMP30	5135	A
COMPASS		ZR	X3,DBZ1	IF ORIGIN LESS THAN 2**17		CMP30	5136	A
COMPASS		SA2	A2+B1	XTEXT TABLE HEADER		CMP30	5137	A
COMPASS		LX4	6			CMP30	5138	A
COMPASS	DBZ1	IX2	X4+X2			CMP30	5139	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS		BX3	X2+X5	ADD IN ORIGIN	CMP30	5140	A		
1	COMPASS		SX4	B1		CMP30	5141	A		
2	COMPASS		IX7	X1-X7		CMP30	5142	A		
3	COMPASS	+	PL	X6,*+1	IF NOT CONDITIONAL	CMP30	5143	A		
4	COMPASS		LX4	33	SET CONDITIONAL LOAD FLAG	CMP30	5144	A		
5	COMPASS		BX3	X3+X4		CMP30	5145	A		
6	COMPASS	+	PL	X7,DBZ3	IF 5 OR MORE WORDS	CMP30	5146	A		
7	COMPASS		LX1	36		CMP30	5147	A		
8	COMPASS		IX6	X1+X3	ADD WORD COUNT	COMPASS	17557	A		
9	COMPASS		SA6	DBSSZT		COMPASS	17558		I	
10		-CMP30								
11	COMPASS		WRITEW	B,A6,1		COMPASS	17559		I	
12		-CMP30								
13	COMPASS	DBSSZ1	WRITEW	B,(=0.0EE),1		COMPASS	17560		I	
14		-CMP30								
15	COMPASS		SA1	CNTBSSZ	LOOP FOR ZEROES	COMPASS	17561		I	
16		-CMP30								
17	COMPASS		SX6	X1-1		COMPASS	17562		I	
18		-CMP30								
19	COMPASS		MX7	0		COMPASS	17563		I	
20		-CMP30								
21	COMPASS		SA6	A1		COMPASS	17564		I	
22		-CMP30								
23	COMPASS		NZ	X1,DBSSZ1		COMPASS	17565		I	
24		-CMP30								
25	COMPASS		MX7	0		CMP30	5148	A		
26	COMPASS		SA6	DBZT		CMP30	5149	A		
27	COMPASS		SA7	DBZT+3		CMP30	5150	A		
28	COMPASS		SA7	A7+B1		CMP30	5151	A		
29	COMPASS		SA7	A7+B1		CMP30	5152	A		
30	COMPASS					CMP30	5153	A		
31	COMPASS	RM	IFEQ	CP#RM,0		CMP30	5154	A		
32	COMPASS		LX6	-36		CMP30	5155	A		
33	COMPASS		WRITEW	B,A6,X6+B1		CMP30	5156	A		
34	COMPASS	RM	ELSE			CMP30	5157	A		
35	COMPASS		LX1	-36		CMP30	5158	A		
36	COMPASS		IX4	X1+X1		CMP30	5159	A		
37	COMPASS		LX1	3		CMP30	5160	A		
38	COMPASS		IX2	X1+X4		CMP30	5161	A		
39	COMPASS		SX3	X2+20		CMP30	5162	A		
40	COMPASS		SA1	B-1		CMP30	5163	A		
41	COMPASS		NZ	X1,DBZ2	IF NOT *W* RECORDS	CMP30	5164	A		
42	COMPASS		PUT	B,DBZT,X3		CMP30	5165	A		
43	COMPASS		EQ	DBSSZX		CMP30	5166	A		
44	COMPASS	DBZ2	PUTP	B,DBZT,X3		CMP30	5167	A		
45	COMPASS	RM	ENDIF			CMP30	5168	A		
46	COMPASS					CMP30	5169	A		
47	COMPASS		EQ	DBSSZX		COMPASS	17566	A		
48	COMPASS	DBSSZR	SX1	B1		COMPASS	17567		I	
49		-CMP30								
50	COMPASS		LX1	36		COMPASS	17568		I	
51		-CMP30								
52										
53		0	1	2	3	4	5	6	7	8
54		1234567890123456789012345678901234567890123456789012345678901234567890								

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	IX6	X3+X1	COMPASS	17569	I
-CMP30					
COMPASS	SA6	DBSSZT	COMPASS	17570	I
-CMP30					
COMPASS	WRITEW B,A6,1		COMPASS	17571	I
-CMP30					
COMPASS	WRITEW B,(=0.0EE),2		COMPASS	17572	I
-CMP30					
COMPASS	WRITEW B,(=43000002000000000001B),1		COMPASS	17573	I
-CMP30					
COMPASS	SA1	ORGBSSZ+1	COMPASS	17574	I
-CMP30					
COMPASS	SA2	A1-B1	COMPASS	17575	I
-CMP30					
COMPASS	AX0	X1,B1	COMPASS	17576	I
+ -CMP30		CONVERT SOURCE ADDRESS RELOCATION			
COMPASS	ZR	X0,*+1	COMPASS	17577	I
-CMP30					
COMPASS	SX1	X1+B1	COMPASS	17578	I
-CMP30					
COMPASS	LX1	18	COMPASS	17579	I
-CMP30					
COMPASS	BX6	X1+X2	COMPASS	17580	I
-CMP30					
COMPASS	SA6	DBSSZT	COMPASS	17581	I
-CMP30					
COMPASS	WRITEW B,A6,1		COMPASS	17582	I
-CMP30					
COMPASS	SA5	CNTBSSZ	COMPASS	17583	I
-CMP30					
COMPASS	SX6	X5-1	COMPASS	17584	I
-CMP30					
COMPASS	LX6	42	COMPASS	17585	I
-CMP30					
COMPASS	SA6	DBSSZT	COMPASS	17586	I
-CMP30					
COMPASS	WRITEW B,A6,1		COMPASS	17587	I
-CMP30					
COMPASS	EQ	DBSSZX	COMPASS	17588	I
-CMP30					
COMPASS	DBZ3	MX0 -33	CMP30	5170	A
COMPASS		SX4 B1	CMP30	5171	A
COMPASS		LX4 36	CMP30	5172	A
COMPASS		IX6 X3+X4	CMP30	5173	A
COMPASS		BX7 -X0*X3	CMP30	5174	A
COMPASS		LX4 -36	CMP30	5175	A
COMPASS		SA6 DBZT	CMP30	5176	A
COMPASS		SA7 DBZT+4	CMP30	5177	A
COMPASS		IX1 X1-X4	CMP30	5178	A
COMPASS		MX0 -9	CMP30	5179	A
COMPASS		SA2 =43000002000000000001B	CMP30	5180	A
COMPASS		SB7 42	CMP30	5181	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS		BX3	X6			CMP30	5182	A
COMPASS		LX0	12			CMP30	5183	A
COMPASS		SX7	1S17-1	MAX REPL COUNT		CMP30	5184	A
COMPASS		SX5	B0			CMP30	5185	A
COMPASS		LX6	59-33			CMP30	5186	A
COMPASS		MI	X3,DBZ4	IF NOT EXTENDED		CMP30	5187	A
COMPASS		LX4	56			CMP30	5188	A
COMPASS		BX2	X2+X4	FORM XREPL HEADER		CMP30	5189	A
COMPASS		AX3	24-18			CMP30	5190	A
COMPASS		SB7	45			CMP30	5191	A
COMPASS		AX7	2			CMP30	5192	A
COMPASS	DBZ4	PL	X6,*+1	IF NOT CONDITIONAL		CMP30	5193	A
COMPASS		AX3	18-12			CMP30	5194	A
COMPASS		BX5	-X0*X3			CMP30	5195	A
COMPASS	+	IX6	X2+X5	INSERT BLOCK NUMBER INTO REPL HEADER		CMP30	5196	A
COMPASS		IX5	X7-X1			CMP30	5197	A
COMPASS		LX7	B7			CMP30	5198	A
COMPASS		BX3	-X5			CMP30	5199	A
COMPASS	+	MI	X5,*+1	IF REPL COUNT GREATER THAN MAX		CMP30	5200	A
COMPASS		BX3	X3-X3			CMP30	5201	A
COMPASS		LX7	X1,B7			CMP30	5202	A
COMPASS		SA6	A7-B1			CMP30	5203	A
COMPASS		SA7	A7+B1			CMP30	5204	A
COMPASS		BX6	X3	REDUCE COUNT		CMP30	5205	A
COMPASS		SA6	CNTBSSZ			CMP30	5206	A
COMPASS						CMP30	5207	A
COMPASS	RM	IFEQ	CP#RM,0			CMP30	5208	A
COMPASS		WRITEW	B,DBZT,6	WRITE TEXT/XTEXT AND REPL/XREPL		CMP30	5209	A
COMPASS	RM	ELSE				CMP30	5210	A
COMPASS		SA1	B-1			CMP30	5211	A
COMPASS		NZ	X1,DBZ5	IF NOT *W* RECORDS		CMP30	5212	A
COMPASS		PUT	B,DBZT,60			CMP30	5213	A
COMPASS		EQ	DBZ6			CMP30	5214	A
COMPASS	DBZ5	PUTP	B,DBZT,60			CMP30	5215	A
COMPASS	RM	ENDIF				CMP30	5216	A
COMPASS						CMP30	5217	A
COMPASS	DBZ6	SA1	CNTBSSZ			CMP30	5218	A
COMPASS		SA2	DBZT			CMP30	5219	A
COMPASS		ZR	X1,DBSSZX	IF COUNT COMPLETED		CMP30	5220	A
COMPASS		SA4	DBZT+4			CMP30	5221	A
COMPASS		SA5	A4+B1			CMP30	5222	A
COMPASS		SX6	B1			CMP30	5223	A
COMPASS		PL	X2,DBZ7	IF EXTENDED		CMP30	5224	A
COMPASS		SA3	A4-B1			CMP30	5225	A
COMPASS		SA6	A2			CMP30	5226	A
COMPASS		LX4	-18			CMP30	5227	A
COMPASS		SX7	X4	CHANGE REPL TO XREPL		CMP30	5228	A
COMPASS		LX6	56			CMP30	5229	A
COMPASS		IX4	X4-X7			CMP30	5230	A
COMPASS		BX6	X3+X6			CMP30	5231	A
COMPASS		LX4	-6			CMP30	5232	A
COMPASS		BX4	X4+X7			CMP30	5233	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS		EQ	DBSSZX		COMPASS	17602	A	
1	COMPASS					COMPASS	17603	A	1
2	COMPASS	DBSSZP	SA2	ORGBSSZ	OUTPUT PP WORDS	COMPASS	17604	A	2
3	COMPASS		SA3	ORGBASE		COMPASS	17605	A	3
4	COMPASS		IX0	X2-X3		COMPASS	17606	A	5
5	COMPASS		SB2	X1		COMPASS	17607	A	6
6	COMPASS		SX7	5		COMPASS	17608	A	7
7	COMPASS		SB6	X0		COMPASS	17609	I	9
8		-CPS2627							10
9	COMPASS		SA3	PPTYPE		CPS2627	7	A	11
10	COMPASS		SX3	X3+B1		CPS2627	8	A	12
11	COMPASS	+	NZ	X3,*+1	IF NOT BCU ASSEMBLY	CPS2627	9	A	13
12	COMPASS		LX0	1	DOUBLE OFFSET	CPS2627	10	A	14
13	COMPASS		SB2	B2+B2	DOUBLE PP BYTE COUNT TO STORE	CPS2627	11	A	15
14	COMPASS	+	SB6	X0		CPS2627	12	I	16
15		-CPSA281							17
16	COMPASS	+	SX3	X3+2		CPSA281	341	A	18
17	COMPASS		ZR	X3,DBSSZQ	IF 180 PP ASSEMBLY	CPSA281	342	A	19
18	COMPASS		SB6	X0		CPSA281	343	A	20
19	COMPASS		IX4	X0/X7		COMPASS	17610	A	21
20	COMPASS		SB4	X4		COMPASS	17611	A	22
21	COMPASS		LX4	2		COMPASS	17612	A	23
22	COMPASS		SX3	X4+B4		COMPASS	17613	A	24
23	COMPASS		SB7	X3		COMPASS	17614	A	25
24	COMPASS		SB5	B6-B7		COMPASS	17615	A	26
25	COMPASS		MX0	12		COMPASS	17616	A	27
26	COMPASS		ZR	B5,DBSSZP1		COMPASS	17617	A	28
27	COMPASS	+	SB5	B5-B1		COMPASS	17618	A	29
28	COMPASS		LX0	48		COMPASS	17619	A	30
29	COMPASS		NZ	B5,*		COMPASS	17620	A	31
30	COMPASS	DBSSZP1	SA4	0.MEMORY		COMPASS	17621	A	32
31	COMPASS		SA1	X4+B4		COMPASS	17622	A	33
32	COMPASS		BX6	-X0*X1		COMPASS	17623	A	34
33	COMPASS		LX0	48		COMPASS	17624	A	35
34	COMPASS		PL	X0,*+1		COMPASS	17625	A	36
35	COMPASS		SB4	B4+B1		COMPASS	17626	A	37
36	COMPASS	+	SB2	B2-B1		COMPASS	17627	A	38
37	COMPASS		SA6	A1		COMPASS	17628	A	39
38	COMPASS		NZ	B2,DBSSZP1		COMPASS	17629	A	40
39	COMPASS		EQ	DBSSZX		COMPASS	17630	A	41
40	COMPASS					CPSA281	344	A	42
41	COMPASS	*		180 PP ASSEMBLY. BSSZ WORDS ARE STORED IN THE PROGRAM IMAGE		CPSA281	345	A	43
42	COMPASS	*		BY ZEROING AS MANY FULL CM WORDS AS POSSIBLE...		CPSA281	346	A	44
43	COMPASS	*				CPSA281	347	A	45
44	COMPASS	*		1) THE STARTING POSITION AND BIT COUNT FOR THE FIRST WORD ARE		CPSA281	348	A	46
45	COMPASS	*		DETERMINED AND THAT AMOUNT IS ZEROED.		CPSA281	349	A	47
46	COMPASS	*		2) IF THE BSSZ COUNT IS LARGE ENOUGH TO INCLUDE MORE WORDS,		CPSA281	350	A	48
47	COMPASS	*		THEN AS MANY FULL WORDS AS POSSIBLE ARE ZEROED.		CPSA281	351	A	49
48	COMPASS	*		3) THE REMAINING BIT COUNT FOR THE FINAL WORD IS DETERMINED		CPSA281	352	A	50
49	COMPASS	*		AND THAT AMOUNT IS ZEROED.		CPSA281	353	A	51
50	COMPASS					CPSA281	354	A	52
51	COMPASS	DBSSZQ	LX1	4	(X1) = CBIT = NUMBER OF BITS TO STORE	CPSA281	355	A	53
52									54
53		0	1	2	3	4	5	6	7
54		1234567890123456789012345678901234567890123456789012345678901234567890							

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SX7	60		CPSA281	356	A
COMPASS	LX0	4	RELATIVE BIT OFFSET	CPSA281	357	A
COMPASS	BX4	X0		CPSA281	358	A
COMPASS	IX2	X0/X7	(X2) = POS = OFFSET TO FIRST WORD	CPSA281	359	A
COMPASS	SB6	X2		CPSA281	360	A
COMPASS	BX3	X2		CPSA281	361	A
COMPASS	LX2	2	POS*4	CPSA281	362	A
COMPASS	LX3	6	POS*64	CPSA281	363	A
COMPASS	IX2	X3-X2	POS*60	CPSA281	364	A
COMPASS	IX3	X4-X2	(X3) = ST = LEFT-MOST BIT FOR FIRST WORD	CPSA281	365	A
COMPASS	SX4	X1+59	CBIT + 59	CPSA281	366	A
COMPASS	IX4	X4+X3	ST + CBIT + 59	CPSA281	367	A
COMPASS	SX7	60		CPSA281	368	A
COMPASS	IX7	X4/X7	(ST + CBIT + 59) / 60	CPSA281	369	A
COMPASS	SX7	X7-1	(X7) = RW = NUMBER OF ADDITIONAL WORDS	CPSA281	370	A
COMPASS	SB2	60		CPSA281	371	A
COMPASS	SB4	X3	(B7) = SE = NO. BITS TO ZERO IN FIRST WORD	CPSA281	372	A
COMPASS	SB7	B2-B4	= 60 - ST	CPSA281	373	A
COMPASS	SB5	B7		CPSA281	374	A
COMPASS	NZ	X7,DBQ1		CPSA281	375	A
COMPASS	SB7	X1	(B7) = SE = CBIT	CPSA281	376	A
COMPASS DBQ1	MX0	1	FORM MASK FOR ZEROING IN FIRST WORD	CPSA281	377	A
COMPASS	SB4	B7-B1		CPSA281	378	A
COMPASS	AX0	X0,B4		CPSA281	379	A
COMPASS	LX0	X0,B5	POSITION MASK	CPSA281	380	A
COMPASS	SA4	0.MEMORY	ZEROING INTO FIRST WORD	CPSA281	381	A
COMPASS	SA4	X4+B6		CPSA281	382	A
COMPASS	BX6	-X0*X4		CPSA281	383	A
COMPASS	SA6	A4		CPSA281	384	A
COMPASS	ZR	X7,DBSSZX	RETURN IF NO ADDITIONAL WORDS	CPSA281	385	A
COMPASS	MX6	0		CPSA281	386	A
COMPASS	SB3	X7-1	(REMAINING WORDS) - 1	CPSA281	387	A
COMPASS	ZR	B3,DBQ3	IF NO FULL WORDS	CPSA281	388	A
COMPASS DBQ2	SB3	B3-B1	LOOP ON FULL WORDS	CPSA281	389	A
COMPASS	SA6	A6+B1		CPSA281	390	A
COMPASS	NZ	B3,DBQ2		CPSA281	391	A
COMPASS				CPSA281	392	A
COMPASS DBQ3	BX6	X7	CLEAR BITS IN LAST WORD	CPSA281	393	A
COMPASS	LX7	2	RW*4	CPSA281	394	A
COMPASS	LX6	6	RW*64	CPSA281	395	A
COMPASS	IX7	X6-X7	RW*60	CPSA281	396	A
COMPASS	IX7	X3-X7	ST - (RW*60)	CPSA281	397	A
COMPASS	IX7	X1+X7	SE = ST + CBIT - RW*60 (BITS IN LAST WORD)	CPSA281	398	A
COMPASS	SB6	X7-1	FORM MASK FOR UPPER PART OF LAST WORD	CPSA281	399	A
COMPASS	MX0	1		CPSA281	400	A
COMPASS	AX0	X0,B6		CPSA281	401	A
COMPASS	SA2	A6+B1	ZERO BITS IN LAST WORD	CPSA281	402	A
COMPASS	BX6	-X0*X2		CPSA281	403	A
COMPASS	SA6	A2		CPSA281	404	A
COMPASS	EQ	DBSSZX	RETURN	CPSA281	405	A
COMPASS				COMPASS	17631	A
COMPASS DBSSZT	DATA	0	TEMPORARY	COMPASS	17632	I

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP30

1	COMPASS	DBZT	BSSZ	6	TEMPORARY	CMP30	5265	A	1
2	COMPASS	DDUMP	SPACE	4		COMPASS	17633	A	2
3	COMPASS	**	DDUMP	-	DUMP CODING.	COMPASS	17634	A	3
4	COMPASS	*	DDUMP	DUMPS	MEMORY FOR ABSOLUTE ROUTINES.	COMPASS	17635	A	4
5	COMPASS	*	ORGBASE/LPGM	GOVERN	AMOUNT TO DUMP.	COMPASS	17636	A	5
6	COMPASS	*	FOR PP ROUTINES,	THE CONTROL WORD IS FORMED	AND OUTPUT HERE.	COMPASS	17637	A	6
7	COMPASS	*	FOR 7600 PP FORMAT	THE 5200 TABLE IS FORMED	HERE.	COMPASS	17638	A	7
8	COMPASS					COMPASS	17639	A	8
9	COMPASS					COMPASS	17640	A	9
10	COMPASS	DDUMP	PS		RETURN EXIT	COMPASS	17641	A	10
11	COMPASS		SA3	B		CMP30	5266	A	11
12	COMPASS		ZR	X3,DDUMP	IF NO BINARY FILE	CMP30	5267	A	12
13	COMPASS		SA1	ERCNT		COMPASS	17642	A	13
14	COMPASS		SA2	ERRFLG		COMPASS	17643	I	14
15	COMPASS	-CMP30							15
16	COMPASS		SA2	CP.ERRCT		CMP30	5268	A	16
17	COMPASS		ZR	X1,DDUMPA	IF NO ERRORS	COMPASS	17644	A	17
18	COMPASS		PL	X2,DDUMP	IF D NOT SET	COMPASS	17645	A	18
19	COMPASS	DDUMPA	SA1	ABSFG		COMPASS	17646	A	19
20	COMPASS		SA2	MACHINE		COMPASS	17647	A	20
21	COMPASS		ZR	X1,DDUMP	IF CP RELOCATABLE	COMPASS	17648	A	21
22	COMPASS		ZR	X2,DDUMPC	IF CP ABSOLUTE	COMPASS	17649	A	22
23	COMPASS		SA1	LPGM		COMPASS	17650	A	23
24	COMPASS		SA2	ORGBASE		COMPASS	17651	A	24
25	COMPASS		SX0	5		COMPASS	17652	A	25
26	COMPASS		SA5	DKNAM		COMPASS	17653	A	26
27	COMPASS		SA3	PPTYPE		COMPASS	17654	A	27
28	COMPASS		SB7	X3+3		CPSA281	406	A	28
29	COMPASS		ZR	B7,DDUMPK	IF 180 PP ASSEMBLY	CPSA281	407	A	29
30	COMPASS		ZR	X3,DDUMPE	IF NOT 7600 TYPE	COMPASS	17655	I	30
31	COMPASS	-F4820							31
32	COMPASS		SA3	SEGEPT		COMPASS	17656	I	32
33	COMPASS	-F4820							33
34	COMPASS		IX1	X1-X2	CALCULATE PROGRAM LENGTH	F4820	796	A	34
35	COMPASS		ZR	X3,DDUMPE	IF PERIPH TYPE	F4820	797	A	35
36	COMPASS		PL	X3,DDUMPJ	IF PPU TYPE	F4820	798	A	36
37	COMPASS		SX3	X3+B1		F4820	799	A	37
38	COMPASS		LX1	1		F4820	800	A	38
39	COMPASS		ZR	X3,DDUMPJ	IF BCU TYPE	F4820	801	A	39
40	COMPASS		AX1	1		F4820	802	A	40
41	COMPASS	DDUMPJ	SA3	SEGEPT		F4820	803	A	41
42	COMPASS		SX5	5200B		COMPASS	17657	A	42
43	COMPASS		LX5	48		COMPASS	17658	A	43
44	COMPASS		BX5	X5+X3		COMPASS	17659	A	44
45	COMPASS	DDUMPE	IX3	X2-X0	PROGRAM ORIGIN	COMPASS	17660	A	45
46	COMPASS		PL	X3,DDUMPB		COMPASS	17661	A	46
47	COMPASS		MX7	48	MASK 12 BITS	COMPASS	17662	A	47
48	COMPASS		BX3	-X7*X3		COMPASS	17663	A	48
49	COMPASS		SX3	X3+1	2-S COMPLEMENT ORGBASE	COMPASS	17664	A	49
50	COMPASS	DDUMPB	LX3	24		COMPASS	17665	A	50
51	COMPASS		BX7	X3+X5		COMPASS	17666	A	51

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	IX1	X1-X2	PROGRAM LENGTH	COMPASS	17667	I
1		-F4820					
2	COMPASS	SX2	X1+9		COMPASS	17668	I
3		-CP12752					
4	COMPASS	PL	X1,DDUMPG		CP12752	1	A
5	COMPASS	MX1	0	CHANGE NEGATIVE TO ZERO	CP12752	2	A
6	COMPASS	DDUMPG	SX2	X1+9	CP12752	3	A
7	COMPASS	IX1	X2/X0		COMPASS	17669	A
8	COMPASS	BX7	X1+X7		COMPASS	17670	A
9	COMPASS	SX6	X1-1		COMPASS	17671	A
10	COMPASS	SA7	BTEMP		COMPASS	17672	A
11	COMPASS				CMP30	5269	A
12	COMPASS	IFNE	CP#RM,0,3		CMP30	5270	A
13	COMPASS	IX4	X6+X6		CMP30	5271	A
14	COMPASS	LX6	3		CMP30	5272	A
15	COMPASS	IX6	X4+X6		CMP30	5273	A
16	COMPASS				CMP30	5274	A
17	COMPASS	SA6	A7+B1		COMPASS	17673	A
18	COMPASS	SA1	NOLFG		COMPASS	17674	A
19	COMPASS				CMP30	5275	A
20	COMPASS	RM	IFEQ	CP#RM,0	CMP30	5276	A
21	COMPASS	SX1	X1-1		COMPASS	17675	A
22	COMPASS	ZR	X1,DDUMPF	IF NO LABEL	COMPASS	17676	A
23	COMPASS	WRITEW	B,A7,1		COMPASS	17677	A
24	COMPASS	DDUMPF	SA3	BTEMPA	COMPASS	17678	A
25	COMPASS	SA2	0.MEMORY		COMPASS	17679	A
26	COMPASS	WRITEW	B,X2,X3		COMPASS	17680	A
27	COMPASS	RM	ELSE		CMP30	5277	A
28	COMPASS	SA2	PCC		CMP30	5278	A
29	COMPASS	SX3	X1-1		CMP30	5279	A
30	COMPASS	+	ZR	X3,*+1 IF NO HEADER WANTED	CMP30	5280	A
31	COMPASS		SX6	X6+10	CMP30	5281	A
32	COMPASS	+	SA1	B-1	S028 712 CPS028	530	A
33	COMPASS		IX4	X2+X6	CMP30	5282	A
34	COMPASS	+	ZR	X1,*+1 IF RECORD TYPE W	S028 714 CPS028	531	A
35	COMPASS		SX4	0	S028 715 CPS028	532	A
36	COMPASS		STORE	B,RL=X4	CMP30	5283	A
37	COMPASS		ZR	X3,DDUMPF IF NO LABELS AT ALL	CMP30	5284	A
38	COMPASS		ZR	X2,DDUMPH IF PRFX TABLE NOT WANTED	CMP30	5285	A
39	COMPASS		PUTP	B,PRFX,X2	CMP30	5286	A
40	COMPASS	DDUMPH	PUTP	B,BTEMP,10	CMP30	5287	A
41	COMPASS	DDUMPF	SA2	0.MEMORY	CMP30	5288	A
42	COMPASS		SA3	BTEMPA	CMP30	5289	A
43	COMPASS		ZR	X3,DDUMP IF NO BINARY	S028 717 CPS028	533	A
44	COMPASS		PUTP	B,X2,X3	CMP30	5290	A
45	COMPASS	RM	ENDIF		CMP30	5291	A
46	COMPASS				CMP30	5292	A
47	COMPASS		EQ	DDUMP	COMPASS	17681	A
48	COMPASS				COMPASS	17682	A
49	COMPASS	DDUMPC	SA4	LPGM	COMPASS	17683	A
50	COMPASS		SA5	ORGBASE	COMPASS	17684	A
51	COMPASS		IX3	X4-X5	COMPASS	17685	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	NG	X3,DDUMP	IF NO BINARY	CMP1	46	A	
COMPASS	ZR	X3,DDUMP		S028 719 CPS028	534	A	
COMPASS	DDUMPD	SA2	O.MEMORY	COMPASS	17686		I
-CMP30							
COMPASS	SA2	O.MEMORY		CMP30	5293	A	
COMPASS				CMP30	5294	A	
COMPASS	RM	IFEQ	CP#RM,0	CMP30	5295	A	
COMPASS	WRITEW	B,X2,X3		COMPASS	17687	A	
COMPASS	RM	ELSE		CMP30	5296	A	
COMPASS	IX5	X3+X3		CMP30	5297	A	
COMPASS	LX3	3		CMP30	5298	A	
COMPASS	IX4	X3+X5		CMP30	5299	A	
COMPASS	SA1	B-1		CMP30	5300	A	
COMPASS	NZ	X1,DDUMP2	IF NOT W RECORDS	CMP30	5301	A	
COMPASS	PUT	B,X2,X4		CMP30	5302	A	
COMPASS	EQ	DDUMP		CMP30	5303	A	
COMPASS	DDUMP2	PUTP	B,X2,X4	CMP30	5304	A	
COMPASS	RM	ENDIF		CMP30	5305	A	
COMPASS	EQ	DDUMP		COMPASS	17688	A	
COMPASS				CPSA281	408	A	
COMPASS	DDUMPK	SX7	6100B	FORM 6100 TABLE HEADER -	CPSA281	409	A
COMPASS	LX7	48	VFD 12/6100B,16/(ENTRY),16/(LDFWA),16/(CT)	CPSA281	410	A	
COMPASS	LX2	16*1	POSITION LOAD FWA (ORGBASE)	CPSA281	411	A	
COMPASS	SA5	L.MEMORY	LENGTH OF MEMORY IMAGE IN CM WORDS	CPSA281	412	A	
COMPASS	SA4	SEGEPT	ISOLATE ENTRY ADDRESS	CPSA281	413	A	
COMPASS	MX0	-12		CPSA281	414	A	
COMPASS	AX4	12		CPSA281	415	A	
COMPASS	BX6	-X0*X4		CPSA281	416	A	
COMPASS	SX3	X5+B1	LENGTH IN HEADER TO INCLUDE HEADER WORD	CPSA281	417	A	
COMPASS	LX6	16*2	POSITION ENTRY ADDRESS	CPSA281	418	A	
COMPASS	BX7	X7+X3	MERGE FIELDS	CPSA281	419	A	
COMPASS	BX7	X7+X2		CPSA281	420	A	
COMPASS	BX7	X7+X6		CPSA281	421	A	
COMPASS	SA7	PRFXC		CPSA281	422		I
-CPSA287							
COMPASS	WRITEW	B,PRFXC,1	WRITE HEADER WORD	CPSA281	423		I
-CPSA287							
COMPASS	SA2	O.MEMORY		CPSA281	424		I
-CPSA287							
COMPASS	WRITEW	B,X2,X5	WRITE MEMORY IMAGE (X5 = CM WORD COUNT)	CPSA281	425		I
-CPSA287							
COMPASS	SA7	BTEMP	SAVE HEADER WORD	CPSA287	9	A	
COMPASS				CPSA287	10	A	
COMPASS	RM	IFEQ	CP#RM,0	CPSA287	11	A	
COMPASS	SA1	NOLFG		CPSA287	12	A	
COMPASS	SX1	X1-1		CPSA287	13	A	
COMPASS	ZR	X1,DDUMPL	IF NO HEADER WANTED	CPSA287	14	A	
COMPASS	WRITEW	B,BTEMP,1	WRITE HEADER WORD	CPSA287	15	A	
COMPASS	DDUMPL	SA2	O.MEMORY	CPSA287	16	A	
COMPASS	WRITEW	B,X2,X5	WRITE MEMORY IMAGE (X5 = CM WORD COUNT)	CPSA287	17	A	
COMPASS				CPSA287	18	A	
COMPASS	RM	ELSE		CPSA287	19	A	
0	1	2	3	4	5	6	7
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS		IX4	X5+X5	SAVE BINARY LENGTH IN CHARS	CPSA287	20	A		
1	COMPASS		LX5	3		CPSA287	21	A		
2	COMPASS		IX6	X4+X5		CPSA287	22	A		
3	COMPASS		SA6	A7+B1		CPSA287	23	A		
4	COMPASS		SA1	NOLFG	(X3) = 0 IF NO LABELS WANTED	CPSA287	24	A		
5	COMPASS		SA2	PCC	(X2) = PRFX LENGTH IN CHARS (OR 0)	CPSA287	25	A		
6	COMPASS		SX3	X1-1		CPSA287	26	A		
7	COMPASS		ZR	X3,DDUMPL	IF NO HEADER WANTED	CPSA287	27	A		
8	COMPASS		SX6	X6+10	INCLUDE HEADER IN RECORD LENGTH	CPSA287	28	A		
9	COMPASS	DDUMPL	SA1	B-1		CPSA287	29	A		
10	COMPASS		IX4	X2+X6	INCLUDE PRFX IN RECORD LENGTH	CPSA287	30	A		
11	COMPASS		ZR	X1,DDUMPM	IF RECORD TYPE W	CPSA287	31	A		
12	COMPASS		SX4	0		CPSA287	32	A		
13	COMPASS	DDUMPM	STORE	B,RL=X4		CPSA287	33	A		
14	COMPASS		ZR	X3,DDUMPP	IF NO LABELS AT ALL	CPSA287	34	A		
15	COMPASS		ZR	X2,DDUMPN	IF PRFX TABLE NOT WANTED	CPSA287	35	A		
16	COMPASS		PUTP	B,PRFX,X2		CPSA287	36	A		
17	COMPASS	DDUMPN	PUTP	B,BTEMP,10		CPSA287	37	A		
18	COMPASS	DDUMPP	SA2	0.MEMORY		CPSA287	38	A		
19	COMPASS		SA3	BTEMPA		CPSA287	39	A		
20	COMPASS		ZR	X3,DDUMP	IF NO BINARY	CPSA287	40	A		
21	COMPASS		PUTP	B,X2,X3		CPSA287	41	A		
22	COMPASS	RM	ENDIF			CPSA287	42	A		
23	COMPASS					CPSA287	43	A		
24	COMPASS		EQ	DDUMP	RETURN	CPSA281	426	A		
25	COMPASS	DFIRST	SPACE	4		COMPASS	17689	A		
26	COMPASS	**	DFIRST	- DUMP PRELIMINARY BINARY INFORMATION.			COMPASS	17690	A	
27	COMPASS	*	DFIRST	CREATES THE FOLLOWING TABLES:			COMPASS	17691	A	
28	COMPASS	*				COMPASS	17692	A		
29	COMPASS	*	RELOCATABLE ROUTINES.			COMPASS	17693	A		
30	COMPASS	*		77	TABLE = IDENT.	COMPASS	17694	A		
31	COMPASS	*		70	TABLE = LDSET.	CP147	461	A		
32	COMPASS	*		34	TABLE = PIDL.	COMPASS	17695	A		
33	COMPASS	*		36	TABLE = ENTR.	COMPASS	17696	A		
34	COMPASS	*		CLEARS COMTAB AND ALLOCATES AND CLEARS LNKTAB.			COMPASS	17697	I	
35		-CMP30								
36	COMPASS	*				COMPASS	17698	A		
37	COMPASS	*	ABSOLUTE CP ROUTINES.			COMPASS	17699	A		
38	COMPASS	*		77	TABLE = IDENT.	COMPASS	17700	A		
39	COMPASS	*		50	TABLE = OVERLAY CONTROL WORD.	COMPASS	17701	A		
40	COMPASS	*				COMPASS	17702	A		
41	COMPASS	*	ABSOLUTE CP ROUTINES WITH ENTRY POINTS.			COMPASS	17703	A		
42	COMPASS	*		77	TABLE = IDENT.	COMPASS	17704	A		
43	COMPASS	*		51	TABLE = OVERLAY ENTRY POINT TABLE.	COMPASS	17705	A		
44	COMPASS	*				COMPASS	17706	A		
45	COMPASS	*	PP ROUTINES.			COMPASS	17707	A		
46	COMPASS	*		77	TABLE = IDENT.	COMPASS	17708	A		
47	COMPASS	*				COMPASS	17709	A		
48	COMPASS	*	FOR ALL ABSOLUTE ROUTINES, ALLOCATES AND CLEARS MEMORY.			COMPASS	17710	A		
49	COMPASS	*	FOR ALL ROUTINES, UPS DKCNT AND CLEARS BINARY RECORD.			COMPASS	17711	A		
50	COMPASS	*	ENTRY	(X1)	= DECK NAME.	COMPASS	17712	A		
51	COMPASS	*		(X2)	= OVERLAY LEVEL NUMBER.	COMPASS	17713	A		
52										
53		0	1	2	3	4	5	6	7	8
54		1234567890123456789012345678901234567890123456789012345678901234567890								

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	COMPASS	17714	A
COMPASS	COMPASS	17715	A
COMPASS	COMPASS	CPS012	13
COMPASS	COMPASS	17716	A
COMPASS	COMPASS	CMP19	395
COMPASS	COMPASS	17717	A
COMPASS	COMPASS	CMP19	396
COMPASS	COMPASS	17718	A
COMPASS	COMPASS	CMP19	397
COMPASS	COMPASS	S028 721	CPS028
COMPASS	COMPASS	S028 722	CPS028
COMPASS	COMPASS	S028 723	CPS028
COMPASS	COMPASS	S028 724	CPS028
COMPASS	COMPASS	CPS012	14
COMPASS	COMPASS	17719	A
COMPASS	COMPASS	17720	A
COMPASS	COMPASS	17721	A
COMPASS	COMPASS	17722	A
COMPASS	COMPASS	17723	A
COMPASS	COMPASS	17724	A
COMPASS	COMPASS	17725	I
COMPASS	COMPASS	17726	I
COMPASS	COMPASS	17727	I
COMPASS	COMPASS	17728	I
COMPASS	COMPASS	CMP19	398
COMPASS	COMPASS	CMP19	399
COMPASS	COMPASS	17729	I
COMPASS	COMPASS	17730	I
COMPASS	COMPASS	17731	I
COMPASS	COMPASS	17732	I
COMPASS	COMPASS	17733	I
COMPASS	COMPASS	17734	I
COMPASS	COMPASS	17735	I
COMPASS	COMPASS	17736	I
COMPASS	COMPASS	17737	I
COMPASS	COMPASS	17738	I
0	1	2	3
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA7	PRFX+1			CMP30	5306	A
COMPASS	RJ	DIM	DISPLAY IDENT MESSAGE		CMP30	5307	A
COMPASS	MX1	0			CMP30	5308	A
COMPASS	RJ	SQV	SET BLANK QUALIFIER		CMP30	5309	A
COMPASS	SA1	B			CMP30	5310	A
COMPASS	ZR	X1,DFIRSTP	IF NO BINARY FILE		CMP30	5311	A
COMPASS	CHECK	B			CMP30	5312	A
COMPASS					CMP30	5313	A
COMPASS	RM	IFNE	CP#RM,0		CMP30	5314	I
-CPS028							
COMPASS	RM	IFC	LT, "MODEL" 75		CMP30	5315	I
-CPS028							
COMPASS	RM	IFEQ	CP#RM,6	S028 726 CPS028	539	A	
COMPASS		FETCH	B,OC,X1		CMP30	5316	A
COMPASS		SX6	X1-#YES#		CMP30	5317	A
COMPASS		ZR	X6,DFIRST0	IF BINARY FILE IS OPEN	CMP30	5318	A
COMPASS		OPENM	B,OUTPUT,N		CMP30	5319	A
COMPASS	RM	ENDIF			CMP30	5320	A
COMPASS					CMP30	5321	A
COMPASS	DFIRST0	SA3	NOLFG		CMP30	5322	A
COMPASS		MX6	0		CMP30	5323	A
COMPASS		NZ	X3,DFIRSTA	IF NO LABELS	CMP30	5324	A
COMPASS		SA1	MACHINE		CMP30	5325	A
COMPASS		SA2	TARGET		CMP30	5326	A
COMPASS		SA3	VALID		CMP30	5327	A
COMPASS		SX6	2R		CMP30	5328	A
COMPASS		ZR	X1,DFT4	IF CPU ASSEMBLY	CMP30	5329	A
COMPASS		BX2	X6		CMP30	5330	A
COMPASS		SX6	X3+1RP		CMP30	5331	A
COMPASS		EQ	DFT4A		CMP30	5332	A
COMPASS	DFT4	ZR	X3,DFT4A	IF NO VALID PROCESSOR SPECIFIED	CMP30	5333	A
COMPASS		SX6	X3+1RX		CMP30	5334	A
COMPASS	DFT4A	LX2	12		CMP30	5335	A
COMPASS		SA3	FMODE		CMP30	5336	A
COMPASS		BX6	X2+X6		CMP30	5337	A
COMPASS		MX0	30		CMP30	5338	A
COMPASS		SA4	PRFX+6		CMP30	5339	A
COMPASS		LX6	6		CMP30	5340	A
COMPASS		SX7	1R		CMP30	5341	A
COMPASS		SA2	ABSFG		CMP30	5342	A
COMPASS		ZR	X3,DFT5	IF FMODE = 0	CMP30	5343	A
COMPASS		SX7	X3+1R0		CMP30	5344	A
COMPASS	DFT5	BX5	X0*X4		CMP30	5345	A
COMPASS		IX6	X6+X7		CMP30	5346	A
COMPASS		SX3	3RPA		CMP30	5347	I
-CPSA286							
COMPASS		SA3	=4RHPA		CPSA286	6	A
COMPASS		MX0	-6		CMP30	5348	A
COMPASS		BX6	X5+X6		CMP30	5349	A
COMPASS		ZR	X2,DFT6	IF REL CPU ASSEMBLY	CMP30	5350	A
COMPASS		AX3	6		CMP30	5351	A
COMPASS		ZR	X1,DFT6	IF ABS CPU ASSEMBLY	CMP30	5352	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	AX3	6	PPU ASSEMBLY	CMP30	5353	A
COMPASS	SA2	PPTYPE		CPSA286	7	A
COMPASS	SX2	X2+3		CPSA286	8	A
COMPASS	NZ	X2,DFT6	IF NOT 180 PPU ASSEMBLY	CPSA286	9	A
COMPASS	AX3	6	SET *TYPE* = H	CPSA286	10	A
COMPASS	DFT6	BX7	-X0*X3	CMP30	5354	A
COMPASS	SA1	HTYPE		CMP30	5355	A
COMPASS	LX7	54		CMP30	5356	A
COMPASS	BX7	X7+X1		CMP30	5357	A
COMPASS	SA6	A4	STORE WORDS 6 AND 7 OF PRFX TABLE	CMP30	5358	A
COMPASS	SA7	A4+B1		CMP30	5359	A
COMPASS	SB4	PRFXC		CMP30	5360	A
COMPASS	SB5	PRFXC+7		CMP30	5361	A
COMPASS	MX6	0		CMP30	5362	A
COMPASS	+	SA6	B4	CMP30	5363	A
COMPASS		SB4	B4+B1	CMP30	5364	A
COMPASS		NE	B4,B5,*	CMP30	5365	A
COMPASS		SA3	0.IDTAB	CMP30	5366	A
COMPASS		SB6	X3+B1	CMP30	5367	A
COMPASS		MX0	-12	CMP30	5368	A
COMPASS		SA1	0.SEGTAB	CMP30	5369	A
COMPASS		SA2	SI	CMP30	5370	A
COMPASS		IX6	X1+X2	CMP30	5371	A
COMPASS		SA1	X6+B1	CMP30	5372	A
COMPASS		SA2	A1+4	CMP30	5373	A
COMPASS		SB4	PRFXC	CMP30	5374	A
COMPASS		SB7	B6+X2	CMP30	5375	A
COMPASS		SB6	B6+X1	CMP30	5376	A
COMPASS	DFT1	SA1	B6	CMP30	5377	A
COMPASS		BX6	-X0*X1	CMP30	5378	A
COMPASS		SB6	B6+B1	CMP30	5379	A
COMPASS		NZ	X6,DFT1	CMP30	5380	A
COMPASS		SB7	B7-B1	CMP30	5381	A
COMPASS	DFT1A	GE	B6,B7,DFT1B IF END OF COMMENT TEXT	CMP30	5382	A
COMPASS		SA1	B6	CMP30	5383	A
COMPASS		SB6	B6+B1	CMP30	5384	A
COMPASS		BX6	X1	CMP30	5385	A
COMPASS		SA6	B4	CMP30	5386	A
COMPASS		SB4	B4+B1	CMP30	5387	A
COMPASS		LT	B4,B5,DFT1A IF PRFX TABLE NOT FULL	CMP30	5388	A
COMPASS	DFT1B	BSS	0	CMP30	5389	A
COMPASS				CMP30	5390	A
COMPASS		IFEQ	CP#RM,0,1	CMP30	5391	A
COMPASS		WRITEW	B,PRFX,LPRFX	CMP30	5392	A
COMPASS				CMP30	5393	A
COMPASS		SA3	NOLFG	CMP30	5394	A
COMPASS		SX6	10*LPRFX	CMP30	5395	A
COMPASS	DFIRSTA	SA6	PCC	CMP30	5396	A
COMPASS		SA1	MACHINE	COMPASS	17739	A
COMPASS		SA2	ABSFG	COMPASS	17740	A
COMPASS		SX3	X3-1	CMP30	5397	A
COMPASS		NZ	X1,DFIRSTP IF PP, QUIT	COMPASS	17741	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SA3	A2+B1	COMPASS	17765	A
COMPASS	IX3	X3-X2	COMPASS	17766	A
COMPASS	ZR	X3,DFIRSTP IF END OF EPTAB	COMPASS	17767	A
COMPASS	SX6	X2+B1	COMPASS	17768	A
COMPASS	SA6	A2	COMPASS	17769	A
COMPASS	IX1	X1+X2	COMPASS	17770	A
COMPASS	SA1	X1	COMPASS	17771	A
COMPASS	RJ	TLUSYMT	COMPASS	17772	A
COMPASS	MX0	42	COMPASS	17773	A
COMPASS	BX5	-X0*X2	COMPASS	17774	A
COMPASS	RJ	LJUST	COMPASS	17775	A
COMPASS	BX6	X7+X5	COMPASS	17776	A
COMPASS	SA6	BINREC	COMPASS	17777	A
COMPASS			CMP30	5416	A
COMPASS	IFEQ	CP#RM,0,2	CMP30	5417	A
COMPASS	WRITEW	B,A6,1	COMPASS	17778	A
COMPASS	ELSE	1	CMP30	5418	A
COMPASS	PUTP	B,BINREC,10	CMP30	5419	A
COMPASS			CMP30	5420	A
COMPASS	EQ	DFT2 LOOP	COMPASS	17779	A
COMPASS	DFT3	SA1 =5000BS48 OVERLAY IDENT WORD	COMPASS	17780	A
COMPASS		SA2 SEGEPT	COMPASS	17781	A
COMPASS		SA3 ORGBASE	COMPASS	17782	A
COMPASS		SA4 BTEMP	COMPASS	17783	A
COMPASS		MX0 42	COMPASS	17784	A
COMPASS		SX3 X3-1	COMPASS	17785	A
COMPASS		BX3 -X0*X3	COMPASS	17786	A
COMPASS		LX3 18	COMPASS	17787	A
COMPASS		LX4 36	COMPASS	17788	A
COMPASS		BX1 X2+X1	COMPASS	17789	A
COMPASS		IX3 X4+X3	COMPASS	17790	A
COMPASS		BX6 X1+X3	COMPASS	17791	A
COMPASS		SA6 BINREC	COMPASS	17792	I
-CMP30					
COMPASS	SA6	OVLHDR	CMP30	5421	A
COMPASS			CMP30	5422	A
COMPASS	RM	IFEQ CP#RM,0	CMP30	5423	A
COMPASS		WRITEW B,A6,1	COMPASS	17793	A
COMPASS	RM	ELSE	CMP30	5424	A
COMPASS		SA1 PCC	CMP30	5425	A
COMPASS		SA2 B-1	S028 734 CPS028	544	A
COMPASS		SX3 X1+10	CMP30	5426	A
COMPASS		BX4 X3	S028 736 CPS028	545	A
COMPASS	+	ZR X2,*+1 IF RECORD TYPE W	S028 737 CPS028	546	A
COMPASS		STORE B,RL=X3	CMP30	5427	I
-CPS028					
COMPASS	SX2	PRFX	CMP30	5428	I
-CPS028					
COMPASS	SX4	0	S028 739 CPS028	547	A
COMPASS	STORE	B,RL=X4	S028 740 CPS028	548	A
COMPASS	SX2	PRFX	S028 741 CPS028	549	A
COMPASS	+	NZ X1,*+1 IF PRFX WANTED	CMP30	5429	A
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CP147

1	COMPASS	-CP147	STORE	B,RL=X4		CMP30	5453		I
2	COMPASS	-CP147	ZR	X3,DFIRST1B IF NO PRFX WANTED		CMP30	5454		I
3	COMPASS	-CP147	PUTP	B,PRFX,X3		CMP30	5455		I
4	COMPASS	-CP147	DFIRST1B	BSS 0		CMP30	5456		I
5	COMPASS	-CP147	RM	ENDIF		CMP30	5457		I
6	COMPASS	-CP147				CMP30	5458		I
7	COMPASS	-CP147	SA1	=34000001BS36	WRITE PIDL TABLE	CMP30	5459		I
8	COMPASS	-CP147				CP147	462	A	
9	COMPASS	RM	IFEQ	CP#RM,0		CP147	463	A	
10	COMPASS	DFIRST1	SA3	L.TLDS	WRITE LDSET TABLE	CP147	464	A	
11	COMPASS		SB2	36		CP147	465		I
12	COMPASS	-CPS2608	SX2	70B		CP147	466		I
13	COMPASS	-CPS2608	LX2	59-5		CP147	467		I
14	COMPASS	-CPS2608	ZR	X3,DFIRST1A IF TABLE EMPTY		CP147	468	A	
15	COMPASS		LX4	X3,B2		CP147	469		I
16	COMPASS	-CPS2608	BX6	X2+X4	INSERT WORD COUNT	CP147	470		I
17	COMPASS	-CPS2608	SA6	BTEMP		CP147	471		I
18	COMPASS	-CPS2608	WRITEW	B,A6,1	WRITE HEADER WORD	CP147	472		I
19	COMPASS	-CPS2608	SB3	X3-1		CPS2608	57	A	
20	COMPASS		ZR	B3,DFIRST1A		CPS2608	58	A	
21	COMPASS		RJ	LDHDR	PLACE CORRECT WC IN CONTROL WORD	CPS2608	59	A	
22	COMPASS		SA1	O.TLDS		CP147	473	A	
23	COMPASS		SA3	L.TLDS		CP147	474	A	
24	COMPASS		SX3	X3-1	DROP EXTRA LDSET CONTROL WORD	CPS2608	60	A	
25	COMPASS		WRITEW	B,X1,X3		CP147	475	A	
26	COMPASS	RM	ENDIF			CP147	476	A	
27	COMPASS					CP147	477	A	
28	COMPASS	RM	IFNE	CP#RM,0		CP147	478	A	
29	COMPASS	DFIRST1	SA1	L.TLDS		CP147	479	A	
30	COMPASS		SA2	NBLOCKS	PIDL BLOCK COUNT	CP147	480	A	
31	COMPASS		SA3	PCC	PRFX CHARACTER COUNT	CP147	481	A	
32	COMPASS		SA4	L.EPTAB		CP147	482	A	
33	COMPASS		ZR	X1,DFIRST1B IF NO TLDS		CP147	483	A	
34	COMPASS		SX5	X1+B1	ADD HEADER WORD	CP147	484	A	
35	COMPASS		IX6	X5+X5	MULTIPLY BY TEN	CP147	485	A	
36	COMPASS		LX5	3		CP147	486	A	
37	COMPASS		IX1	X5+X6	LDSET CHARACTER COUNT	CP147	487	A	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	DFIRST1B	IX5	X2+X2	MULTIPLY BY TEN	CP147	488	A
COMPASS		LX2	3		CP147	489	A
COMPASS		IX6	X2+X5	PIDL CHARACTER COUNT	CP147	490	A
COMPASS		SX7	X6+20	ADD TWO HEADER WORDS FOR PIDL TABLE	CP147	491	A
COMPASS		ZR	X4,DFIRST1C	IF NO ENTRY POINTS	CP147	492	A
COMPASS		LX4	1		CP147	493	A
COMPASS		SX2	X4+B1	LENGTH OF ENTRY TABLE	CP147	494	A
COMPASS		IX5	X2+X2	MULTIPLY BY TEN	CP147	495	A
COMPASS		LX2	3		CP147	496	A
COMPASS		IX4	X2+X5	ENTRY TABLE CHARACTER COUNT	CP147	497	A
COMPASS	DFIRST1C	IX2	X3+X1		CP147	498	A
COMPASS		IX5	X4+X7		CP147	499	A
COMPASS		IX4	X2+X5	CHAR COUNT OF TABLES ABOVE	CP147	500	A
COMPASS		SX6	X1-10	LENGTH OF TLDS WITHOUT HEADER WORD	CP147	501	A
COMPASS		SA7	T6RM1	SAVE PIDL CHARACTER COUNT	CP147	502	A
COMPASS		SA6	T6RM2	SAVE LDSET CHAR COUNT WITHOUT HEADER WORD	CP147	503	A
COMPASS		SA2	B-1		CP147	504	A
COMPASS	+	ZR	X2,*+1	IF RECORD TYPE W	CP147	505	A
COMPASS		SX4	0		CP147	506	A
COMPASS		STORE	B,RL=X4		CP147	507	A
COMPASS		ZR	X3,DFIRST1D	IF NO PRFX TABLE	CP147	508	A
COMPASS		PUTP	B,PRFX,X3		CP147	509	A
COMPASS	DFIRST1D	SA3	L.TLDS	WRITE LDSET TABLE	CP147	510	A
COMPASS		SB2	36		CP147	511	A
COMPASS		SX2	70B		CP147	512	A
COMPASS		LX2	59-5		CP147	513	A
COMPASS		ZR	X3,DFIRST1A	IF NO LDSET TABLE	CP147	514	A
COMPASS		LX4	X3,B2		CP147	515	A
COMPASS		BX6	X2+X4	INSERT WORD COUNT	CP147	516	A
COMPASS		SA6	BTEMP		CP147	517	A
COMPASS		PUTP	B,BTEMP,10	WRITE HEADER WORD	CP147	518	A
COMPASS		SA1	0.TLDS		CP147	519	A
COMPASS		SA3	T6RM2		CP147	520	A
COMPASS		PUTP	B,X1,X3		CP147	521	A
COMPASS	RM	ENDIF			CP147	522	A
COMPASS					CP147	523	A
COMPASS		RJ	ASU	ACCUMULATE STORAGE USED	CP147	524	A
COMPASS					CP147	525	A
COMPASS		MX6	0	CLEAR TLDS	CP147	526	A
COMPASS		SA6	L.TLDS		CP147	527	A
COMPASS					CP147	528	A
COMPASS	DFIRST1A	SA1	=34000001BS36	WRITE PIDL TABLE	CP147	529	A
COMPASS		SA2	NBLOCKS		COMPASS	17797	A
COMPASS		LX2	36		COMPASS	17798	A
COMPASS		IX6	X1+X2		COMPASS	17799	A
COMPASS		SA1	DKNAM		COMPASS	17800	A
COMPASS		SA2	ENDP		COMPASS	17801	A
COMPASS		BX7	X1+X2		COMPASS	17802	A
COMPASS		SA6	BINREC		COMPASS	17803	I
-CMP30							
COMPASS		SA6	RELVEC		CMP30	5460	A
COMPASS		SA7	A6+B1		COMPASS	17804	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	WRITEW B,A6,2				COMPASS	17805	I
-CMP30							
COMPASS	MX6	0			COMPASS	17806	A
COMPASS	SA6	BTEMPA	CLEAR LOOP INDEX		COMPASS	17807	A
COMPASS	SA6	A6+B1			CMP30	5461	A
COMPASS	DFIRST2	SA1	0.USETAB		COMPASS	17808	A
COMPASS	SA4	UI			RSM4159	47	A
COMPASS	IX1	X1+X4	BASE ADDRESS OF BLOCK GROUP		RSM4159	48	A
COMPASS	SA2	BTEMPA			COMPASS	17809	I
-CMP30							
COMPASS	IX3	X1+X2			COMPASS	17810	I
-CMP30							
COMPASS	IX3	X1+X6			CMP30	5462	A
COMPASS	SA4	X3+2	FETCH ORIGIN OF BLOCK		COMPASS	17811	A
COMPASS	MX0	-8			CMP30	5463	A
COMPASS	AX4	25	CHECK BLOCK NUMBER		COMPASS	17812	A
COMPASS	ZR	X4,DFIRST3	IF LOCAL BLOCK		COMPASS	17813	I
-CMP30							
COMPASS	BX4	-X0*X4			CMP30	5464	A
COMPASS	ZR	X4,DFIRST3	IF ABSOLUTE OR SCM LOCAL BLOCK		CMP30	5465	A
COMPASS	SA1	A4-2	FETCH BLOCK NAME		COMPASS	17814	A
COMPASS	+	NZ	X1,*+1	CHANGE ZERO NAME TO BLANK	COMPASS	17815	A
COMPASS	SA1	=7R			COMPASS	17816	A
COMPASS	BX0	X1	COMPLEMENT NAME IF LCM		COMPASS	17817	I
-CMP30							
COMPASS	BX0	X1	UNCOMPLEMENT NAME IF LCM		CMP30	5466	A
COMPASS	AX1	60			COMPASS	17818	A
COMPASS	BX1	X0-X1			COMPASS	17819	A
COMPASS	RJ	LJUST			COMPASS	17820	A
COMPASS	MX0	42			COMPASS	17821	I
-CMP30							
COMPASS	SA1	A4+3	FETCH BLOCK LENGTH		COMPASS	17822	I
-CMP30							
COMPASS	SA2	BTEMPB			CMP30	5467	A
COMPASS	SA3	A4-2			CMP30	5468	A
COMPASS	SA1	A4			CMP30	5469	A
COMPASS	MX0	-9			CMP30	5470	A
COMPASS	SX6	X2+B1			CMP30	5471	A
COMPASS	LX1	-33			CMP30	5472	A
COMPASS	PL	X3,DFIRST2B	IF SCM COMMON BLOCK		CMP30	5473	A
COMPASS	SA5	LLB			CMP30	5474	A
COMPASS	LX1	33			CMP30	5475	A
COMPASS	LX0	24			CMP30	5476	A
COMPASS	SX2	X6+B1			CMP30	5477	A
COMPASS	BX3	-X0*X1			CMP30	5478	A
COMPASS	LX2	24			CMP30	5479	A
COMPASS	IX4	X3-X5			CMP30	5480	A
COMPASS	BX5	X2-X5			CMP30	5481	A
COMPASS	LX1	-33			CMP30	5482	A
COMPASS	NZ	X4,DFIRST2A	IF LCM COMMON BLOCK		CMP30	5483	A
COMPASS	NZ	X5,DFIRST3	IF NOT FIRST LCM LOCAL BLOCK		CMP30	5484	A
COMPASS	SA1	LCM			CMP30	5485	A
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

1	COMPASS		MX7	0		CMP30	5486	A	1
2	COMPASS	DFIRST2A	SX3	7		CMP30	5487	A	2
3	COMPASS		SX0	B1	ROUND UP BLOCK SIZE TO A MULTIPLE	CMP30	5488	A	3
4	COMPASS		IX1	X1+X3	OF 8 AND SET BIT 17 FOR LCM BLOCK	CMP30	5489	A	4
5	COMPASS		LX0	17		CMP30	5490	A	5
6	COMPASS		AX1	3		CMP30	5491	A	6
7	COMPASS		BX1	X1+X0		CMP30	5492	A	7
8	COMPASS	DFIRST2B	MX0	42		CMP30	5493	A	8
9	COMPASS		BX4	X7*X0		COMPASS	17823	A	9
10	COMPASS		BX2	-X0*X1		COMPASS	17824	A	10
11	COMPASS		IX6	X2+X4		COMPASS	17825	I	11
12	COMPASS	-CMP30							12
13	COMPASS		SA1	A4-2	COMPLEMENT NAME IF LCM	COMPASS	17826	I	13
14	COMPASS	-CMP30							14
15	COMPASS		AX1	60		COMPASS	17827	I	15
16	COMPASS	-CMP30							16
17	COMPASS		BX6	X6-X1		COMPASS	17828	I	17
18	COMPASS	-CMP30							18
19	COMPASS		SA6	BTEMPB		COMPASS	17829	I	19
20	COMPASS	-CMP30							20
21	COMPASS		WRITEW	B,A6,1		COMPASS	17830	I	21
22	COMPASS	-CMP30							22
23	COMPASS		IX7	X2+X4		CMP30	5494	A	23
24	COMPASS		SA6	A2		CMP30	5495	A	24
25	COMPASS		SA7	RELVEC+1+X6		CMP30	5496	A	25
26	COMPASS	DFIRST3	SA1	BTEMPA		COMPASS	17831	A	26
27	COMPASS		SA2	L.USETAB		COMPASS	17832	A	27
28	COMPASS		SX6	X1+6		COMPASS	17833	I	28
29	COMPASS	-CMP30							29
30	COMPASS		SX6	X1+4		CMP30	5497	A	30
31	COMPASS		BX3	X2-X6		COMPASS	17834	A	31
32	COMPASS		SA6	A1		COMPASS	17835	A	32
33	COMPASS		NZ	X3,DFIRST2		COMPASS	17836	A	33
34	COMPASS					CMP30	5498	A	34
35	COMPASS		IFEQ	CP#RM,0,3		CMP30	5499	A	35
36	COMPASS		SA1	NBLOCKS		CMP30	5500	A	36
37	COMPASS		WRITEW	B,RELVEC,X1+2		CMP30	5501	A	37
38	COMPASS		ELSE	2		CMP30	5502	A	38
39	COMPASS		SA3	T6RM1		CMP30	5503	A	39
40	COMPASS		PUTP	B,RELVEC,X3		CMP30	5504	A	40
41	COMPASS					CMP30	5505	A	41
42	COMPASS	*				COMPASS	17837	A	42
43	COMPASS				OUTPUT ENTR TABLE.	COMPASS	17838	A	43
44	COMPASS		SA1	L.EPTAB		COMPASS	17839	A	44
45	COMPASS		SA2	=36000000BS36		COMPASS	17840	A	45
46	COMPASS		LX1	37		COMPASS	17841	A	46
47	COMPASS		BX6	X1+X2		COMPASS	17842	A	47
48	COMPASS		SA6	BTEMPB		COMPASS	17843	A	48
49	COMPASS		SA5	BTEMP		COMPASS	17844	A	49
50	COMPASS	-CP147				COMPASS	17845	I	50
51	COMPASS		MX7	0		COMPASS	17846	A	51
52									52
53		0	1	2	3	4	5	6	53
54		1234567890123456789012345678901234567890123456789012345678901234567890							54
55									55
56									56
57									57
58									58
59									59
60									60



LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS		ZR	X1,DFIRST5	IF NO ENTRY POINTS		COMPASS	17847	A	
1	COMPASS		NZ	X5,DFIRST5			COMPASS	17848		I
2		-CP147								
3	COMPASS		SA7	A6-B1			COMPASS	17849	A	
4	COMPASS						CMP30	5506	A	
5	COMPASS		IFEQ	CP#RM,0,2			CMP30	5507	A	
6	COMPASS		WRITEW	B,A6,1			COMPASS	17850	A	
7	COMPASS		ELSE	1			CMP30	5508	A	
8	COMPASS		PUTP	B,BTEMPB,10			CMP30	5509	A	
9	COMPASS						CMP30	5510	A	
10	COMPASS	DFIRST4	SA1	0.EPTAB			COMPASS	17851	A	
11	COMPASS		SA2	BTEMPA			COMPASS	17852	A	
12	COMPASS		IX3	X1+X2			COMPASS	17853	A	
13	COMPASS		SA1	X3	FETCH ENTRY POINT NAME		COMPASS	17854	A	
14	COMPASS		MX0	1			CMP30	5511	A	
15	COMPASS		BX1	-X0*X1	CLEAR CONDITIONAL FLAG		CMP30	5512	A	
16	COMPASS		RJ	TLUSYMT	LOOK UP SYMBOL		COMPASS	17855	A	
17	COMPASS		MX0	39	EXTRACT SYMBOL DEFINITION		COMPASS	17856		I
18		-CPS010								
19	COMPASS		MX0	-18	EXTRACT SYMBOL DEFINITION		CPS010	125	A	
20	COMPASS		BX6	-X0*X2	VALUE		COMPASS	17857	A	
21	COMPASS		AX2	21			COMPASS	17858	A	
22	COMPASS		MX0	51			COMPASS	17859		I
23		-CMP30								
24	COMPASS		MX0	-8			CMP30	5513		I
25		-CPS010								
26	COMPASS		MX0	-9			CPS010	126	A	
27	COMPASS		BX3	-X0*X2	RELOCATION		COMPASS	17860		I
28		-CP096A								
29	COMPASS		BX7	-X0*X2	RELOCATION		CP096A	522	A	
30	COMPASS	+	AX4	X3,B1			COMPASS	17861		I
31		-CMP30								
32	COMPASS		ZR	X4,*+1			COMPASS	17862		I
33		-CMP30								
34	COMPASS		SX3	X3+B1	BUMP BY 1 IF RELOC IS NOT 0 OR 1		COMPASS	17863		I
35		-CMP30								
36	COMPASS		LX3	18			COMPASS	17864		I
37		-CMP30								
38	COMPASS		AX4	X3,B1			CMP30	5514		I
39		-CP096A								
40	COMPASS		AX4	X7,B1			CP096A	523	A	
41	COMPASS		ZR	X4,DFIRST4B	IF ABSOLUTE OR SCM LOCAL		CMP30	5515	A	
42	COMPASS		MX4	-8			CPS010	127	A	
43	COMPASS		BX4	-X4*X2			CPS010	128	A	
44	COMPASS		LX2	59-31+21			CMP30	5516	A	
45	COMPASS		BX4	X3			CMP30	5517		I
46		-CPS010								
47	COMPASS		SX3	X3+B1			CMP30	5518		I
48		-CPS010								
49	COMPASS		MX0	-9			CMP30	5519		I
50		-CPS010								
51	COMPASS		SX3	X4+B1	CORRECT COMMON OR NEGATIVE RELOCATION		CPS010	129		I
52										
53		0	1	2	3	4	5	6	7	8
54		1234567890123456789012345678901234567890123456789012345678901234567890								

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CP096A

COMPASS	SX7	X4+B1	CORRECT COMMON OR NEGATIVE RELOCATION	CP096A	524	A	
COMPASS	MI	X2,DFIRST4B	IF EXTERNAL	CMP30	5520	A	
COMPASS	SA2	O.USETAB		CMP30	5521		I
-CPS010							
COMPASS	SA5	O.USETAB		CPS010	130	A	
COMPASS	SA2	UI		RSM4159	49	A	
COMPASS	IX5	X2+X5	BASE ADDRESS OF BLOCK GROUP	RSM4159	50	A	
COMPASS	LX4	24		CMP30	5522	A	
COMPASS	SA5	X2+2		CMP30	5523		I
-CPS010							
COMPASS	SA5	X5+2		CPS010	131	A	
COMPASS	LX0	24		CMP30	5524	A	
COMPASS	DFIRST4A	BX2	-X0*X5	SEARCH USE TABLE FOR BLOCK	CMP30	5525	A
COMPASS	IX7	X2-X4	WITH MATCHING RELOCATION	CMP30	5526		I
-CP096A							
COMPASS	BX2	X2-X4	WITH MATCHING RELOCATION	CP096A	525	A	
COMPASS	SA5	A5+4		CMP30	5527	A	
COMPASS	NZ	X7,DFIRST4A		CMP30	5528		I
-CP096A							
COMPASS	NZ	X2,DFIRST4A		CP096A	526	A	
COMPASS	SA4	A5-6	GET BLOCK NAME	CMP30	5529	A	
COMPASS	PL	X4,DFIRST4B	IF NOT LCM	CMP30	5530	A	
COMPASS	SA2	A2		CPS010	132		I
-CP096A							
COMPASS	RX2	X3		CP096A	527	A	
COMPASS	MX0	-21	USE 21-BIT VALUE	CPS010	133	A	
COMPASS	BX6	-X0*X2		CPS010	134	A	
COMPASS	LX6	36		CMP30	5531	A	
COMPASS	DFIRST4B	LX3	18	CMP30	5532		I
-CP096A							
COMPASS	BX6	X3+X6		COMPASS	17865		I
-CP096A							
COMPASS	DFIRST4B	LX7	18	CP096A	528	A	
COMPASS	BX6	X7+X6		CP096A	529	A	
COMPASS	SA6	BINREC+1		COMPASS	17866	A	
COMPASS	RJ	LJUST		COMPASS	17867	A	
COMPASS	BX6	X7		COMPASS	17868		I
-CMP30							
COMPASS	SA1	A1		CMP30	5533	A	
COMPASS	BX3	X3-X3		CMP30	5534	A	
COMPASS	PL	X1,DFIRST4C	IF NOT CONDITIONAL	CMP30	5535	A	
COMPASS	SA2	A6		CMP30	5536	A	
COMPASS	AX2	18	EXTRACT LOAD CONDITION	CMP30	5537	A	
COMPASS	SX4	X2-1		CMP30	5538	A	
COMPASS	AX5	X4,B1		CMP30	5539	A	
COMPASS	ZR	X5,DFIRST4C	IF NOT A COMMON BLOCK	CMP30	5540	A	
COMPASS	SA5	LLB		CMP30	5541	A	
COMPASS	LX4	24		CMP30	5542	A	
COMPASS	BX3	X4-X5		CMP30	5543	A	
COMPASS	ZR	X3,DFIRST4C	IF LCM LOCAL BLOCK	CMP30	5544	A	
COMPASS	AX4	24		CMP30	5545	A	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	SX3	X4+B1	CMP30	5546	A		
COMPASS	DFIRST4C	BX6	X7+X3	CMP30	5547	A	
COMPASS		SA6	A6-B1	COMPASS	17869	A	
COMPASS				CMP30	5548	A	
COMPASS		IFEQ	CP#RM,0,2	CMP30	5549	A	
COMPASS		WRITEW	B,A6,2	COMPASS	17870	A	
COMPASS		ELSE	1	CMP30	5550	A	
COMPASS		PUTP	B,BINREC,20	CMP30	5551	A	
COMPASS				CMP30	5552	A	
COMPASS		SA1	BTEMPA	COMPASS	17871	A	
COMPASS		SA2	L.EPTAB	COMPASS	17872	A	
COMPASS		SX6	X1+B1	COMPASS	17873	A	
COMPASS		BX4	X6-X2	COMPASS	17874	A	
COMPASS		SA6	A1	COMPASS	17875	A	
COMPASS		NZ	X4,DFIRST4	COMPASS	17876	A	
COMPASS				COMPASS	17877	A	
COMPASS	*	INITIALIZE CHAIN CELLS.			COMPASS	17878	A
COMPASS				COMPASS	17879	A	
COMPASS	DFIRST5	MX6	0	COMPASS	17880	A	
COMPASS		SA6	L.LNKTAB	COMPASS	17881	A	
COMPASS		SA6	L.COMTAB	COMPASS	17882	A	
COMPASS		SA6	BINREC	COMPASS	17883	A	
COMPASS		SA6	A6+B1	COMPASS	17884	A	
COMPASS		EQ	DFIRSTX	COMPASS	17885	A	
COMPASS	DLAST	SPACE	4	COMPASS	17886	A	
COMPASS	**	DLAST - DUMP TERMINAL LOADER TABLES.			COMPASS	17887	A
COMPASS	*	THIS ROUTINE IS NON-NULL FOR RELOCATABLE ROUTINES ONLY.			COMPASS	17888	A
COMPASS	*	DLAST CREATES THE FOLLOWING TABLES:			COMPASS	17889	A
COMPASS	*	42 TABLE = FILL FOR COMMON LINKAGE.			COMPASS	17890	A
COMPASS	*	44 TABLE = LINK FOR EXTERNAL LINKAGE.			COMPASS	17891	A
COMPASS	*	43 TABLE = REPL FOR ENTRIES IN REPTAB.			COMPASS	17892	A
COMPASS	*	THIS ROUTINE ALSO CLEARS OUT THE DUMPED TABLES.			COMPASS	17893	A
COMPASS	*	THIS ROUTINE MUST BE CALLABLE FROM MANAGER, SO NO MANAGER			COMPASS	17894	A
COMPASS	*	CALLS MAY EXIST IN IT.			COMPASS	17895	A
COMPASS				COMPASS	17896	A	
COMPASS				COMPASS	17897	A	
COMPASS	DLAST	PS	RETURN EXIT	COMPASS	17898	A	
COMPASS		RJ	DBSSZ	DUMP BSSZ CODING	COMPASS	17899	I
COMPASS	-CP13226						
COMPASS		SA2	MACHINE	COMPASS	17900	I	
COMPASS	-CMP30						
COMPASS		SA3	ABSFG	COMPASS	17901	I	
COMPASS	-CMP30						
COMPASS		NZ	X2,DLAST	IF PP CODING	COMPASS	17902	I
COMPASS	-CMP30						
COMPASS		NZ	X3,DLAST	IF PP CODING	COMPASS	17903	I
COMPASS	-CMP30						
COMPASS		RJ	ASU	ACCUMULATE STORAGE USED	CMP042	283	I
COMPASS	-CMP30						
COMPASS		SA1	ABSFG	CMP30	5553	A	
COMPASS		SA2	B	CMP30	5554	A	
COMPASS		NZ	X1,DLAST	IF PP OR ABS CP ASSEMBLY	CMP30	5555	A
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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP30

1	COMPASS	-CMP30	AX7	X2,B6	COMPASS	17932	I	1
2		-CMP30						2
3	COMPASS		SA4	A4-B1	COMPASS	17933	I	3
4		-CMP30						4
5	COMPASS		SB7	B7+B1	COMPASS	17934	I	5
6		-CMP30						6
7	COMPASS	DLAST2	BX3	-X1*X6	COMPASS	17935	I	7
8		-CMP30						8
9	COMPASS		LX5	X3,B6	COMPASS	17936	I	9
10		-CMP30						10
11	COMPASS		IX6	X7+X5	COMPASS	17937	I	11
12		-CMP30						12
13	COMPASS		SA4	A4+B1	COMPASS	17938	I	13
14		-CMP30						14
15	COMPASS	+	NE	B1,B2,*+1	COMPASS	17939	I	15
16		-CMP30						16
17	COMPASS		SA6	A6+B1	COMPASS	17940	I	17
18		-CMP30						18
19	COMPASS		SB2	-B1	COMPASS	17941	I	19
20		-CMP30						20
21	COMPASS		NZ	B7,DLAST1	COMPASS	17942	I	21
22		-CMP30						22
23	COMPASS		BX4	-X1*X6	COMPASS	17943	I	23
24		-CMP30						24
25	COMPASS		LX6	X4,B6	COMPASS	17944	I	25
26		-CMP30						26
27	COMPASS	+	SX3	B1	COMPASS	17945	I	27
28		-CMP30						28
29	COMPASS		NG	B2,*+1	COMPASS	17946	I	29
30		-CMP30						30
31	COMPASS		SA6	A6+B1	COMPASS	17947	I	31
32		-CMP30						32
33	COMPASS		SX4	A6-B3	COMPASS	17948	I	33
34		-CMP30						34
35	COMPASS		SX5	42B	COMPASS	17949	I	35
36		-CMP30						36
37	COMPASS		LX5	54	COMPASS	17950	I	37
38		-CMP30						38
39	COMPASS		LX4	36	COMPASS	17951	I	39
40		-CMP30						40
41	COMPASS		BX6	X4+X5	COMPASS	17952	I	41
42		-CMP30						42
43	COMPASS		SX7	A6-B3	COMPASS	17953	I	43
44		-CMP30						44
45	COMPASS		SA6	DLASTT	COMPASS	17954	I	45
46		-CMP30						46
47	COMPASS		SA7	A2	COMPASS	17955	I	47
48		-CMP30						48
49	COMPASS		WRITEW	B,A6,1	COMPASS	17956	I	49
50		-CMP30						50
51	COMPASS		MX6	0	COMPASS	17957	I	51

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP30

1	COMPASS		SA2	O.COMTAB		COMPASS	17958	I	1
2		-CMP30							2
3	COMPASS		SA3	L.COMTAB		COMPASS	17959	I	3
4		-CMP30							4
5	COMPASS		SA6	A3		COMPASS	17960	I	5
6		-CMP30							6
7	COMPASS		WRITEW	B,X2,X3		COMPASS	17961	I	7
8		-CMP30							8
9	COMPASS		EQ	DLAST2		CMP30	5561	A	9
10	COMPASS					CMP30	5562	A	10
11	COMPASS	DLAST1	LX1	12	TABLE TYPE (4100B OR 4200B)	CMP30	5563	A	11
12	COMPASS		SX5	A6-B5	WORD COUNT	CMP30	5564	A	12
13	COMPASS		BX3	X1+X5		CMP30	5565	A	13
14	COMPASS		LX3	36		CMP30	5566	A	14
15	COMPASS		BX6	X3+X7	HEADER WORD	CMP30	5567	A	15
16	COMPASS		SX7	B6	COMTAB INDEX	CMP30	5568	A	16
17	COMPASS		SA6	B5		CMP30	5569	A	17
18	COMPASS		SA7	DLASTT		CMP30	5570	A	18
19	COMPASS					CMP30	5571	A	19
20	COMPASS	RM	IFEQ	CP#RM,0		CMP30	5572	A	20
21	COMPASS		WRITEW	B,B5,X5+B1	WRITE FILL/XFILL TABLE	CMP30	5573	A	21
22	COMPASS	RM	ELSE			CMP30	5574	A	22
23	COMPASS		SX1	B5		CMP30	5575	A	23
24	COMPASS		SX3	X5+B1		CMP30	5576	A	24
25	COMPASS		IX4	X3+X3		CMP30	5577	A	25
26	COMPASS		LX3	3		CMP30	5578	A	26
27	COMPASS		IX4	X3+X4		CMP30	5579	A	27
28	COMPASS		SA2	B-1		CMP30	5580	A	28
29	COMPASS		NZ	X2,DLA1	IF NOT W RECORDS	CMP30	5581	A	29
30	COMPASS		PUT	B,X1,X4		CMP30	5582	A	30
31	COMPASS		EQ	DLAST2		CMP30	5583	A	31
32	COMPASS	DLA1	PUTP	B,X1,X4		CMP30	5584	A	32
33	COMPASS	RM	ENDIF			CMP30	5585	A	33
34	COMPASS					CMP30	5586	A	34
35	COMPASS	DLAST2	SA1	O.COMTAB		CMP30	5587	A	35
36	COMPASS		SA2	L.COMTAB		CMP30	5588	A	36
37	COMPASS		SA3	DLASTT		CMP30	5589	A	37
38	COMPASS		SB7	X2		CMP30	5590	A	38
39	COMPASS		SB6	X3		CMP30	5591	A	39
40	COMPASS		GE	B6,B7,DLAST10	IF END OF TABLE	CMP30	5592	A	40
41	COMPASS		SA4	X1		CMP30	5593	A	41
42	COMPASS		SA1	X1+B6		CMP30	5594	A	42
43	COMPASS		MX5	3		CMP30	5595	A	43
44	COMPASS		BX6	X4		CMP30	5596	A	44
45	COMPASS		SB3	B0		CMP30	5597	A	45
46	COMPASS		SA6	A4		CMP30	5598	A	46
47	COMPASS		SB5	A4		CMP30	5599	A	47
48	COMPASS		SX6	B0		CMP30	5600	A	48
49	COMPASS		BX7	X5*X1		CMP30	5601	A	49
50	COMPASS		AX5	9		CMP30	5602	A	50
51	COMPASS		NZ	X7,DLAST6	IF CONDITIONAL XFILL	CMP30	5603	A	51

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	BX7	X5*X1				CMP30	5604	A
COMPASS	AX5	9				CMP30	5605	A
COMPASS	NZ	X7,DLAST7	IF UNCONDITIONAL XFILL			CMP30	5606	A
COMPASS	MX0	30				CMP30	5607	A
COMPASS	BX7	X5*X1				CMP30	5608	A
COMPASS	MX5	-9	FILL (CONDITIONAL OR NOT)			CMP30	5609	A
COMPASS	SB2	30				CMP30	5610	A
COMPASS	LX5	30				CMP30	5611	A
COMPASS						CMP30	5612	A
COMPASS	DLAST3	BX2	-X5*X1	EXTRACT CONTROL BYTE		CMP30	5613	A
COMPASS		LX3	X2,B3			CMP30	5614	A
COMPASS		SB3	B2-B3			CMP30	5615	A
COMPASS		IX6	X6+X3			CMP30	5616	A
COMPASS		BX2	X0*X1			CMP30	5617	A
COMPASS		NZ	B3,DLAST4	IF FILL WORD NOT FULL		CMP30	5618	A
COMPASS		SA6	A6+B1			CMP30	5619	A
COMPASS		SB0	0			CMP30	5620	A
COMPASS		BX6	X6-X6			CMP30	5621	A
COMPASS	DLAST4	SB3	B2-B3	EXTRACT DATA BYTE		CMP30	5622	A
COMPASS		BX3	-X0*X1			CMP30	5623	A
COMPASS		LX4	X3,B3			CMP30	5624	A
COMPASS		IX6	X6+X4			CMP30	5625	A
COMPASS	+	NZ	B3,*+1	IF FILL WORD NOT FULL		CMP30	5626	I
-CPSA083								
COMPASS		SB6	B6+B1	INCREMENT INDEX INTO COMTAB	CPSA083	CPSA083	5	A
COMPASS		NZ	B3,DLAST4A	IF FILL WORD NOT FULL	CPSA083	CPSA083	6	A
COMPASS		SA6	A6+B1			CMP30	5627	A
COMPASS		SX1	A6-B5	PRESENT WORD COUNT OF 4200 TABLE	CPSA083	CPSA083	7	A
COMPASS		SX3	X1-7777B	CHECK IF WORD COUNT AT MAXIMUM	CPSA083	CPSA083	8	A
COMPASS		PL	X3,DLAST5	IF WORD COUNT AT MAX, DUMP THIS TABLE	CPSA083	CPSA083	9	A
COMPASS		BX6	X6-X6			CMP30	5628	A
COMPASS	+	SA1	A1+B1	GET NEXT WORD OF COMTAB		CMP30	5629	I
-CPSA083								
COMPASS	DLAST4A	SA1	A1+B1	GET NEXT WORD OF COMTAB	CPSA083	CPSA083	10	A
COMPASS		SB6	B6+B1			CMP30	5630	I
-CPSA083								
COMPASS		BX3	X0*X1			CMP30	5631	A
COMPASS		IX4	X3-X2			CMP30	5632	A
COMPASS		GE	B6,B7,DLAST5	IF END OF TABLE		CMP30	5633	A
COMPASS		ZR	X4,DLAST4	IF SAME CONTROL BYTE AND SAME CONDITION		CMP30	5634	A
COMPASS		BX3	X5*X3			CMP30	5635	A
COMPASS		IX4	X3-X7			CMP30	5636	A
COMPASS		ZR	X4,DLAST3	IF SAME CONDITION		CMP30	5637	A
COMPASS	DLAST5	ZR	B3,*+1	IF LAST FILL WORD IS FULL		CMP30	5638	A
COMPASS		SA6	A6+B1			CMP30	5639	A
COMPASS	+	SX1	4200B	WRITE FILL TABLE		CMP30	5640	A
COMPASS		AX7	39-12			CMP30	5641	A
COMPASS		EQ	DLAST1			CMP30	5642	A
COMPASS						CMP30	5643	A
COMPASS	DLAST6	MX0	12	PREPARE TO GENERATE CONDITIONAL XFILL		CMP30	5644	A
COMPASS		BX7	X0*X1			CMP30	5645	A
COMPASS		SB2	60-48			CMP30	5646	A

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## 14121HE

1[illegible]



## 14121HE

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP30

1	COMPASS	-CMP30	LX6	30	COMPASS	17998	I	1
2		-CMP30						2
3	COMPASS		ZR	B2,*+1	COMPASS	17999	I	3
4		-CMP30						4
5	COMPASS		SA6	A6+B1	COMPASS	18000	I	5
6		-CMP30						6
7	COMPASS	+	BX6	X3*X2	COMPASS	18001	I	7
8		-CMP30						8
9	COMPASS		LX2	6	COMPASS	18002	I	9
10		-CMP30						10
11	COMPASS		ZR	X6,*	COMPASS	18003	I	11
12		-CMP30						12
13	COMPASS		BX6	X2	COMPASS	18004	I	13
14		-CMP30						14
15	COMPASS		SB2	B0	COMPASS	18005	I	15
16		-CMP30						16
17	COMPASS		SA6	A6+B1	COMPASS	18006	I	17
18		-CMP30						18
19	COMPASS		MX6	0	COMPASS	18007	I	19
20		-CMP30						20
21	COMPASS	DLAST13	SB7	B7-B1	COMPASS	18008	I	21
22		-CMP30						22
23	COMPASS		LX4	X6,B6	COMPASS	18009	I	23
24		-CMP30						24
25	COMPASS		BX6	X7+X4	COMPASS	18010	I	25
26		-CMP30						26
27	COMPASS		SA5	A5+B1	COMPASS	18011	I	27
28		-CMP30						28
29	COMPASS		ZR	B2,DLAST14	COMPASS	18012	I	29
30		-CMP30						30
31	COMPASS		SA6	A6+B1	COMPASS	18013	I	31
32		-CMP30						32
33	COMPASS		SB2	-B1	COMPASS	18014	I	33
34		-CMP30						34
35	COMPASS		MX6	0	COMPASS	18015	I	35
36		-CMP30						36
37	COMPASS	DLAST14	NZ	B7,DLAST11	COMPASS	18016	I	37
38		-CMP30						38
39	COMPASS		SX7	44B	COMPASS	18017	I	39
40		-CMP30						40
41	COMPASS	+	LX6	30	COMPASS	18018	I	41
42		-CMP30						42
43	COMPASS		NG	B2,*+1	COMPASS	18019	I	43
44		-CMP30						44
45	COMPASS		SA6	A6+B1	COMPASS	18020	I	45
46		-CMP30						46
47	COMPASS		LX7	54	COMPASS	18021	I	47
48		-CMP30						48
49	COMPASS		SX6	A6-B4	COMPASS	18022	I	49
50		-CMP30						50
51	COMPASS		BX5	X6	COMPASS	18023	I	51
52								52

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1412THE

LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP30

1	COMPASS	-CMP30	LX5	36		COMPASS	18024	I	1
2		-CMP30							2
3	COMPASS		SA6	A1	STORE NEW SIZE	COMPASS	18025	I	3
4		-CMP30							4
5	COMPASS		BX6	X5+X7		COMPASS	18026	I	5
6		-CMP30							6
7	COMPASS		SA6	DLASTT		COMPASS	18027	I	7
8		-CMP30							8
9	COMPASS		WRITEW	B,A6,1		COMPASS	18028	I	9
10		-CMP30							10
11	COMPASS		SA2	O.LNKTAB		COMPASS	18029	I	11
12		-CMP30							12
13	COMPASS		SA3	L.LNKTAB		COMPASS	18030	I	13
14		-CMP30							14
15	COMPASS		SA4	L.EXTAB		COMPASS	18031	I	15
16		-CMP30							16
17	COMPASS		BX6	X4		COMPASS	18032	I	17
18		-CMP30							18
19	COMPASS		SA6	A3		COMPASS	18033	I	19
20		-CMP30							20
21	COMPASS		WRITEW	B,X2,X3		COMPASS	18034	I	21
22		-CMP30							22
23	COMPASS	+	SA1	O.LNKTAB		COMPASS	18035	I	23
24		-CMP30							24
25	COMPASS		SA2	L.EXTAB		COMPASS	18036	I	25
26		-CMP30							26
27	COMPASS		MX6	0		COMPASS	18037	I	27
28		-CMP30							28
29	COMPASS		SA6	X1		COMPASS	18038	I	29
30		-CMP30							30
31	COMPASS		MX0	59		COMPASS	18039	I	31
32		-CMP30							32
33	COMPASS		IX4	X2+X0		COMPASS	18040	I	33
34		-CMP30							34
35	COMPASS		ZR	X4,DLAST20		COMPASS	18041	I	35
36		-CMP30							36
37	COMPASS	+	IX4	X4+X0		COMPASS	18042	I	37
38		-CMP30							38
39	COMPASS		SA6	A6+B1		COMPASS	18043	I	39
40		-CMP30							40
41	COMPASS		NZ	X4,*		COMPASS	18044	I	41
42		-CMP30							42
43	COMPASS	DLAST20	BSS	0		COMPASS	18045	I	43
44		-CMP30							44
45	COMPASS		EQ	DLAST12		CMP30	5682	A	45
46	COMPASS					CMP30	5683	A	46
47	COMPASS	DLAST11	LX1	12	TABLE TYPE (4400B OR 4500B)	CMP30	5684	A	47
48	COMPASS		SX5	A6-B5	WORD COUNT	CMP30	5685	A	48
49	COMPASS		BX3	X1+X5		CMP30	5686	A	49
50	COMPASS		LX3	36		CMP30	5687	A	50
51	COMPASS		BX6	X3+X7	HEADER WORD	CMP30	5688	A	51

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS		SX7	B6	LNKTAB INDEX	CMP30	5689	A
COMPASS		SA6	B5		CMP30	5690	A
COMPASS		SA7	DLASTT		CMP30	5691	A
COMPASS					CMP30	5692	A
COMPASS	RM	IFEQ	CP#RM,0		CMP30	5693	A
COMPASS		WRITEW	B,B5,X5+B1	WRITE LINK/XLINK TABLE	CMP30	5694	A
COMPASS	RM	ELSE			CMP30	5695	A
COMPASS		SX1	B5		CMP30	5696	A
COMPASS		SX3	X5+B1		CMP30	5697	A
COMPASS		IX4	X3+X3		CMP30	5698	A
COMPASS		LX3	3		CMP30	5699	A
COMPASS		IX4	X3+X4		CMP30	5700	A
COMPASS		SA2	B-1		CMP30	5701	A
COMPASS		NZ	X2,DLA2	IF NOT TYPE W RECORDS	CMP30	5702	A
COMPASS		PUT	B,X1,X4		CMP30	5703	A
COMPASS		EQ	DLAST12		CMP30	5704	A
COMPASS	DLA2	PUTP	B,X1,X4		CMP30	5705	A
COMPASS	RM	ENDIF			CMP30	5706	A
COMPASS					CMP30	5707	A
COMPASS	DLAST12	SA1	O.LNKTAB		CMP30	5708	A
COMPASS		SA2	L.LNKTAB		CMP30	5709	A
COMPASS		SA3	DLASTT		CMP30	5710	A
COMPASS		SA4	X1		CMP30	5711	A
COMPASS		SB5	X1		CMP30	5712	A
COMPASS		SB7	X2		CMP30	5713	A
COMPASS		SB6	X3		CMP30	5714	A
COMPASS		SA5	O.EXTAB		CMP30	5715	A
COMPASS		GE	B6,B7,DLAST20	IF END OF TABLE	CMP30	5716	A
COMPASS		BX6	X4		CMP30	5717	A
COMPASS		SA1	X1+B6		CMP30	5718	A
COMPASS		SB4	X5-1		CMP30	5719	A
COMPASS		MX5	3		CMP30	5720	A
COMPASS		SA6	A4		CMP30	5721	A
COMPASS		SB2	30		CMP30	5722	A
COMPASS		BX7	X5*X1		CMP30	5723	A
COMPASS		AX5	9		CMP30	5724	A
COMPASS		NZ	X7,DLAST16	IF CONDITIONAL XLINK	CMP30	5725	A
COMPASS		BX7	X5*X1		CMP30	5726	A
COMPASS		AX5	9		CMP30	5727	A
COMPASS		NZ	X7,DLAST17	IF UNCONDITIONAL XLINK	CMP30	5728	A
COMPASS		MX0	30		CMP30	5729	A
COMPASS		BX7	X5*X1		CMP30	5730	A
COMPASS		MX5	-9	LINK (CONDITIONAL OR NOT)	CMP30	5731	A
COMPASS		SB3	30		CMP30	5732	A
COMPASS		LX5	30		CMP30	5733	A
COMPASS					CMP30	5734	A
COMPASS	DLAST13	BX2	-X5*X1	EXTRACT EXTERNAL ORDINAL	CMP30	5735	A
COMPASS		LX3	X2,B2		CMP30	5736	A
COMPASS		SA4	X3+B4	GET NAME	CMP30	5737	A
COMPASS		BX6	X4		CMP30	5738	A
COMPASS		SB3	B2		CMP30	5739	A
COMPASS		SA6	A6+B1	STORE NAME	CMP30	5740	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS		BX2	X0*X1			CMP30	5741	A
COMPASS		SX6	B0			CMP30	5742	A
COMPASS	DLAST14	BX3	-X0*X1	EXTRACT DATA BYTE		CMP30	5743	A
COMPASS		LX4	X3,B3			CMP30	5744	A
COMPASS		SB3	B2-B3			CMP30	5745	A
COMPASS		IX6	X6+X4			CMP30	5746	A
COMPASS	+	ZR	B3,*+1	IF LINK WORD NOT FULL		CMP30	5747	A
COMPASS		SA6	A6+B1			CMP30	5748	A
COMPASS		BX6	X6-X6			CMP30	5749	A
COMPASS	+	SA1	A1+B1	GET NEXT WORD OF LNKTAB		CMP30	5750	A
COMPASS		SB6	B6+B1			CMP30	5751	A
COMPASS		BX3	X0*X1			CMP30	5752	A
COMPASS		IX4	X3-X2			CMP30	5753	A
COMPASS		GE	B6,B7,DLAST15	IF END OF TABLE		CMP30	5754	A
COMPASS		ZR	X4,DLAST14	IF SAME EXTERNAL AND SAME CONDITION		CMP30	5755	A
COMPASS	+	NZ	B3,*+1	IF LINK WORD IS FULL		CMP30	5756	A
COMPASS		SB3	B2			CMP30	5757	A
COMPASS		SA6	A6+B1	STORE WORD PADDED WITH ZEROS		CMP30	5758	A
COMPASS	+	BX3	X5*X3			CMP30	5759	A
COMPASS		IX4	X3-X7			CMP30	5760	A
COMPASS		ZR	X4,DLAST13	IF SAME CONDITION		CMP30	5761	A
COMPASS	DLAST15	AX7	39-12			CMP30	5762	A
COMPASS		NZ	B3,*+1	IF LAST LINK WORD IS FULL		CMP30	5763	A
COMPASS		SA6	A6+B1			CMP30	5764	A
COMPASS	+	SX1	4400B	WRITE LINK TABLE		CMP30	5765	A
COMPASS		EQ	DLAST11			CMP30	5766	A
COMPASS						CMP30	5767	A
COMPASS	DLAST16	MX0	12+9	PREPARE TO GENERATE CONDITIONAL XLINK		CMP30	5768	A
COMPASS		LX0	9			CMP30	5769	A
COMPASS		SB2	60-48			CMP30	5770	A
COMPASS		MX2	9			CMP30	5771	A
COMPASS		LX2	-3			CMP30	5772	A
COMPASS		SB3	9			CMP30	5773	A
COMPASS		MX3	-42+9			CMP30	5774	A
COMPASS		LX3	9			CMP30	5775	A
COMPASS		MX5	-9			CMP30	5776	A
COMPASS		BX5	-X5*X1			CMP30	5777	A
COMPASS		EQ	DLAST18			CMP30	5778	A
COMPASS	DLAST17	MX0	9	PREPARE TO GENERATE UNCONDITIONAL XLINK		CMP30	5779	A
COMPASS		LX0	-3			CMP30	5780	A
COMPASS		SB2	60-39			CMP30	5781	A
COMPASS		MX2	9			CMP30	5782	A
COMPASS		LX2	47-59			CMP30	5783	A
COMPASS		SB3	18			CMP30	5784	A
COMPASS		MX3	-33			CMP30	5785	A
COMPASS		BX5	X0*X1			CMP30	5786	A
COMPASS		AX5	48			CMP30	5787	A
COMPASS	DLAST18	SA4	X5+B4	GET EXTERNAL NAME		CMP30	5788	A
COMPASS		LX6	X4			CMP30	5789	A
COMPASS		BX7	X0*X1			CMP30	5790	A
COMPASS		SA6	A6+B1	GENERATE XLINK TABLE		CMP30	5791	A
COMPASS	DLAST18A	BX4	X0*X1			CMP30	5792	A

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	MX0	-9		CPS012	17	A	
1	COMPASS	AX1	24		CMP30	5818	A	
2	COMPASS	BX7	-X0*X1	RELOCATION	CMP30	5819	A	
3	COMPASS	AX1	9		CMP30	5820	A	
4	COMPASS	IX2	X1-X6		CMP30	5821	I	
5	-CPS012							
6	COMPASS	ZR	X2,DLT	IF NO LITERALS	COMPASS	18064	I	
7	-CPS012							
8	COMPASS	IX2	X6-X1		CPS012	18	A	
9	COMPASS	PL	X2,DLT	IF NO LITERALS	CPS012	19	A	
10	COMPASS	SA2	ORGBASE		CPS012	20	A	
11	COMPASS	SA3	LPGM		CPS012	21	A	
12	COMPASS	IX0	X6-X2		CPS012	22	A	
13	COMPASS	IX5	X3-X1		CPS012	23	A	
14	COMPASS	BX2	X0+X5		CPS012	24	A	
15	COMPASS	MI	X2,DLT	IF LITERALS NOT IN THIS SEGMENT	CPS012	25	A	
16	COMPASS	SA4	ABSFG		CPS012	26	A	
17	COMPASS	SA5	MACHINE		CPS012	27	A	
18	COMPASS	ZR	X4,DLT0	IF RELOCATABLE	CPS012	28	A	
19	COMPASS	ZR	X5,DLT2	IF ABSOLUTE CPU ASSEMBLY	CPS012	29	A	
20	COMPASS	DLT0	SA2	ORGCTR	CPS012	30	A	
21	COMPASS	SA3	A2+B1		CPS012	31	A	
22	COMPASS	AX1	24		COMPASS	18065	I	
23	-CMP30							
24	COMPASS	BX7	X1		COMPASS	18066	I	
25	-CMP30							
26	COMPASS	SA6	ORGCTR	SET ORIGIN COUNTER	COMPASS	18067	I	
27	-CPS012							
28	COMPASS	SA4	MINORG		CPS012	32	A	
29	COMPASS	SA5	MAXORG		CPS012	33	A	
30	COMPASS	SA6	A2	SET ORGCTR = FWA OF LITERALS	CPS012	34	A	
31	COMPASS	SA7	A3	RELOCATION	CPS012	35	A	
32	COMPASS	SA6	A4	MINORG	CPS012	36	A	
33	COMPASS	BX7	X1	LWA+1 OF LITERALS	CPS012	37	A	
34	COMPASS	SA7	A5	MAXORG	CPS012	38	A	
35	COMPASS	BX6	X2		CPS012	39	A	
36	COMPASS	LX7	X3		CPS012	40	A	
37	COMPASS	SA6	DLTB	SAVE ORGCTR	CPS012	41	A	
38	COMPASS	SA7	A6+B1	RELOCATION	CPS012	42	A	
39	COMPASS	BX6	X4	MINORG	CPS012	43	A	
40	COMPASS	LX7	X5	MAXORG	CPS012	44	A	
41	COMPASS	SA6	A7+B1		CPS012	45	A	
42	COMPASS	SA7	A6+B1		COMPASS	18068	A	
43	COMPASS	SA6	MINORG		COMPASS	18069	I	
44	-CPS012							
45	COMPASS	SX6	X3		COMPASS	18070	I	
46	-CMP30							
47	COMPASS	SX6	X1	LWA+1	CMP30	5822	I	
48	-CPS012							
49	COMPASS	SA6	MAXORG		COMPASS	18071	I	
50	-CPS012							
51	COMPASS	RJ	RESORG	INITIALIZE FOR BINARY OUTPUT	COMPASS	18072	A	

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12345678901	23456789012	34567890123	45678901234	56789012345	67890123456	78901234567	89012345678	90123456789

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	DLT1	MX6	0		COMPASS	18073	A
COMPASS		SA6	POSCTR		COMPASS	18074	A
COMPASS		SA1	DLTA		COMPASS	18075	A
COMPASS		SA2	0.LITAB		COMPASS	18076	A
COMPASS		SA3	LI		COMPASS	18077	A
COMPASS		IX2	X2+X3		COMPASS	18078	A
COMPASS		IX3	X1+X2		COMPASS	18079	A
COMPASS		SA1	X3		COMPASS	18080	A
COMPASS		SA2	LWORD		COMPASS	18081	A
COMPASS		MX3	0		COMPASS	18082	A
COMPASS		BX4	X6		COMPASS	18083	A
COMPASS		RJ	BINOUT		COMPASS	18084	A
COMPASS		RJ	ZFOUP		COMPASS	18085	A
COMPASS		SA1	DLTA	ADVANCE INDEX	COMPASS	18086	A
COMPASS		SX6	X1+B1		COMPASS	18087	A
COMPASS		SA6	A1		COMPASS	18088	A
COMPASS		SA1	ORGCTR		COMPASS	18089	A
COMPASS		SA2	MAXORG		COMPASS	18090	A
COMPASS		IX4	X2-X1		COMPASS	18091	I
COMPASS	-CPS012	NZ	X4,DLT1	LOOP	COMPASS	18092	I
COMPASS	-CPS012	DLT2	MX6	0	COMPASS	18093	I
COMPASS	-CPS012	IX4	X1-X2	INITIALIZE FOR GENERAL PROCESSING	CPS012	46	A
COMPASS		MI	X4,DLT1	LOOP	CPS012	47	A
COMPASS		MX6	0	INITIALIZE FOR GENERAL PROCESSING	CPS012	48	A
COMPASS		SA6	RERR		COMPASS	18094	A
COMPASS		SA1	DLTB		CPS012	49	A
COMPASS		SA2	A1+B1		CPS012	50	A
COMPASS		SA3	A2+B1		CPS012	51	A
COMPASS		SA4	A3+B1		CPS012	52	A
COMPASS		BX6	X1		CPS012	53	A
COMPASS		LX7	X2		CPS012	54	A
COMPASS		SA6	ORGCTR	RESTORE ORGCTR	CPS012	55	A
COMPASS		SA7	A6+B1	RELOCATION	CPS012	56	A
COMPASS		BX6	X3	MINORG	CPS012	57	A
COMPASS		LX7	X4	MAXORG	CPS012	58	A
COMPASS		SA6	MINORG		CPS012	59	A
COMPASS		SA7	MAXORG		CPS012	60	A
COMPASS		EQ	DLT	RETURN	COMPASS	18095	A
COMPASS	DLT2	SA3	0.MEMORY	ABSOLUTE CPU ASSEMBLY	CPS012	61	A
COMPASS		SA2	0.LITAB		CPS012	62	A
COMPASS		SA4	LI		CPS012	63	A
COMPASS		SA5	A4+B1		CPS012	64	A
COMPASS		IX3	X3+X0	MOVE LITERALS TO MEMORY IMAGE	CPS012	65	A
COMPASS		IX2	X2+X4		CPS012	66	A
COMPASS		IX1	X5-X4		CPS012	67	A
COMPASS		RJ	MOVE		CPS012	68	A
COMPASS		JP	DLT	RETURN	CPS012	69	A
COMPASS					CPS012	70	A
COMPASS					COMPASS	18096	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	DLTA	CON	0	COMPASS	18097	A
COMPASS	DLTB	BSS	4	CPS012	71	A
COMPASS	DSORT	SPACE	4	COMPASS	18098	A
COMPASS	**	DSORT	- MASKED SORT.	COMPASS	18099	A
COMPASS	*	DSORT	PERFORMS A SINGLE WORD INTERCHANGE SORT.	COMPASS	18100	A
COMPASS	*	WORD	COUNT MAY BE 0, BUT NOT NEGATIVE.	COMPASS	18101	A
COMPASS	*	MASK	DICTATES AMOUNT OF BITS TO LOOK AT FOR TESTING.	COMPASS	18102	A
COMPASS	*	ENTRY	(X0) = SORT MASK.	COMPASS	18103	A
COMPASS	*		(X1) = ORIGIN.	COMPASS	18104	A
COMPASS	*		(X2) = WORD COUNT.	COMPASS	18105	A
COMPASS				COMPASS	18106	A
COMPASS				COMPASS	18107	A
COMPASS	DSORT	PS	RETURN EXIT	COMPASS	18108	A
COMPASS		SB6	X2	COMPASS	18109	A
COMPASS		LE	B6,B1,DSORT AVOID 0 OR 1 WORD SORTS	COMPASS	18110	A
COMPASS	DSORT1	SA2	X1	COMPASS	18111	A
COMPASS		BX6	X2	COMPASS	18112	A
COMPASS		SB7	B6-B1	COMPASS	18113	A
COMPASS		MX4	1	COMPASS	18114	A
COMPASS	DSORT2	PL	X4,*+1	COMPASS	18115	A
COMPASS		SB2	A2	COMPASS	18116	A
COMPASS		BX7	X0*X2	COMPASS	18117	A
COMPASS		SA2	A2+B1	COMPASS	18118	A
COMPASS		SB7	B7-B1	COMPASS	18119	A
COMPASS		BX3	X0*X2	COMPASS	18120	A
COMPASS		IX4	X3-X7	COMPASS	18121	A
COMPASS		PL	B7,DSORT2	COMPASS	18122	A
COMPASS		SA5	B2	COMPASS	18123	A
COMPASS		BX7	X5	COMPASS	18124	A
COMPASS		SB6	B6-B1	COMPASS	18125	A
COMPASS		SA6	B2	COMPASS	18126	A
COMPASS		SA7	X1	COMPASS	18127	A
COMPASS		SX1	X1+B1	COMPASS	18128	A
COMPASS		NE	B6,B1,DSORT1	COMPASS	18129	A
COMPASS		EQ	DSORT	COMPASS	18130	A
COMPASS	DWORD	SPACE	4	COMPASS	18131	A
COMPASS	**	DWORD	- DUMP WORD.	COMPASS	18132	A
COMPASS	*	THIS	ROUTINE ACTS AS FOLLOWS:	COMPASS	18133	A
COMPASS	*			COMPASS	18134	A
COMPASS	*	RELOCATABLE	ROUTINES...	COMPASS	18135	A
COMPASS	*	CREATES	RELOCATION CONTROL IN BINREC, AND CALLS RESORG	COMPASS	18136	A
COMPASS	*	TO DUMP	INFORMATION WHEN CARD IS FULL.	COMPASS	18137	A
COMPASS	*			COMPASS	18138	A
COMPASS	*	CP	ABSOLUTE ROUTINES...	COMPASS	18139	A
COMPASS	*	STORES	WORD IN "MEMORY".	COMPASS	18140	A
COMPASS	*			COMPASS	18141	A
COMPASS	*	PP	ROUTINES.	COMPASS	18142	A
COMPASS	*	STORES	12-BIT BYTES INTO MEMORY.	COMPASS	18143	A
COMPASS	*	STORES	16-BIT BYTES IF 180 PP ASSEMBLY.	CPSA281	427	A
COMPASS	*			F4820	804	A
COMPASS	*	BC	ROUTINES.	F4820	805	A
COMPASS	*	STORES	TWO 8-BIT BYTES IN MEMORY.	F4820	806	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	*					COMPASS	18144	A	
COMPASS	*	BINWORD/BINREL ALWAYS CLEARED OUT.				COMPASS	18145	A	
COMPASS	*	THIS ROUTINE MAKES ENTRIES INTO LNKTAB AND COMTAB.				COMPASS	18146	A	
COMPASS						COMPASS	18147	A	
COMPASS						COMPASS	18148	A	
COMPASS	DWORDX	MX6	0			CMP30	5823	A	
COMPASS		BX7	X7-X7			CMP30	5824	A	
COMPASS		SA6	BINWORD			CMP30	5825	A	
COMPASS		SA7	BINREL			CMP30	5826	A	
COMPASS		SA6	A7+B1			CMP30	5827	A	
COMPASS		SA7	A6+B1			CMP30	5828	A	
COMPASS						CMP30	5829	A	
COMPASS	DWORD	PS	RETURN EXIT		COMPASS	18149	A		
COMPASS		SA3	B			CMP30	5830	A	
COMPASS		SA1	MACHINE			COMPASS	18150	A	
COMPASS		SA2	ABSFG			COMPASS	18151	A	
COMPASS		ZR	X3,DWORDX	IF NO BINARY FILE		CMP30	5831	A	
COMPASS		NZ	X1,DWORDP	IF PP CODING		COMPASS	18152	A	
COMPASS		NZ	X2,DWORDC	IF CP ABSOLUTE		COMPASS	18153	A	
COMPASS		SA1	BINREC	CHECK FOR A PARTIAL CARD		COMPASS	18154	A	
COMPASS		AX1	36			COMPASS	18155	A	
COMPASS	+	NZ	X1,*+1			COMPASS	18156	A	
COMPASS		RJ	RESORG	PRESET EMPTY CARD		COMPASS	18157	A	
COMPASS		MX7	0			COMPASS	18158	I	
	-CMP30								
COMPASS		SA7	BTEMP			COMPASS	18159	I	
	-CMP30								
COMPASS	DWORD1	SA1	BTEMP	PROCESS RELOCATION		COMPASS	18160	I	
	-CMP30								
COMPASS		SB2	X1			COMPASS	18161	I	
	-CMP30								
COMPASS		SA2	BINREL			COMPASS	18162	I	
	-CMP30								
COMPASS		MX0	45			COMPASS	18163	I	
	-CMP30								
COMPASS		BX1	-X0*X2			COMPASS	18164	I	
	-CMP30								
COMPASS		AX2	15			COMPASS	18165	I	
	-CMP30								
COMPASS		BX6	X2			COMPASS	18166	I	
	-CMP30								
COMPASS		SB7	X1-40000B			COMPASS	18167	I	
	-CMP30								
COMPASS		SA6	A2			COMPASS	18168	I	
	-CMP30								
COMPASS		SA0	LNKTAB			COMPASS	18169	I	
	-CMP30								
COMPASS		ZR	X1,DWORD2	IF FIELD IS ABSOLUTE		COMPASS	18170	I	
	-CMP30								
COMPASS		PL	B7,DWORD3	IF FIELD IS EXTERNAL		COMPASS	18171	I	
	-CMP30								
COMPASS		SB5	X1-2			COMPASS	18172	I	
	0	1	2	3	4	5	6	7	8
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- CMP30

[illegible]

- CMP30

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-CPS005

1

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

COMPASS	IX7	X6+X1	S005	30	CPS005	19	A	
COMPASS	SA4	A3-B1	GET POSITION		COMPASS	18213	I	
-CMP30								
COMPASS	SX0	X4+4			COMPASS	18214	I	
-CMP30								
COMPASS	LX0	27			COMPASS	18215	A	
COMPASS	BX1	X7+X0			COMPASS	18216	I	
-CPS005								
COMPASS	BX6	X7+X0	S005	32	CPS005	20	A	
COMPASS	ADDWORD	A0			COMPASS	18217	I	
-CMP30								
COMPASS	DWORD2	SA1	BTEMP		COMPASS	18218	I	
-CMP30								
COMPASS	SX6	X1+B1			COMPASS	18219	I	
-CMP30								
COMPASS	SA6	A1			COMPASS	18220	I	
-CMP30								
COMPASS	AX6	2			COMPASS	18221	I	
-CMP30								
COMPASS	ZR	X6,DWORD1			COMPASS	18222	I	
-CMP30								
COMPASS	MX6	0			COMPASS	18223	I	
-CMP30								
COMPASS	SA1	BINREC	COUNTER		COMPASS	18224	I	
-CMP30								
COMPASS	+	ZR	X3,DBW19	IF NOT CONDITIONAL	CMP30	5887	I	
-CPS005								
COMPASS	LX5	39-18			CMP30	5888	A	
COMPASS	BX1	X1+X5			CMP30	5889	I	
-CPS005								
COMPASS	EQ	DBW19			CMP30	5890	I	
-CPS005								
COMPASS	NZ	X3,DBW12	IF CONDITIONAL	S005	35	CPS005	21	A
COMPASS	MX5	0		S005	36	CPS005	22	A
COMPASS	EQ	DBW12		S005	37	CPS005	23	A
COMPASS					CMP30	5891	A	
COMPASS	DBW10	SA1	BINREL	EXTENDED TABLE ENTRY NEEDED	CMP30	5892	A	
COMPASS		SA2	ORGCTR		CMP30	5893	A	
COMPASS		SA3	A2+B1		CMP30	5894	A	
COMPASS		LX1	-1		CMP30	5895	A	
COMPASS		SA4	BINREL+1+X1	FETCH BINREL WORD	CMP30	5896	A	
COMPASS		SB7	X3		CMP30	5897	A	
COMPASS		PL	X1,DBW11	IF UPPER HALFWORD	CMP30	5898	A	
COMPASS		LX4	30		CMP30	5899	A	
COMPASS	DBW11	MX0	-12		CMP30	5900	A	
COMPASS		AX4	30		CMP30	5901	A	
COMPASS		SA1	CLF	CONDITIONAL LOADING FLAG	CMP30	5902	A	
COMPASS		BX6	-X0*X4		CMP30	5903	A	
COMPASS		AX4	12		CMP30	5904	A	
COMPASS		MX0	-17		CMP30	5905	A	
COMPASS		LX2	12		CMP30	5906	A	
COMPASS	+	BX6	X6+X2		CMP30	5907	A	

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3

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

1	COMPASS		SA6	BINREL		COMPASS	18232		I	1
2		-CMP30								2
3	COMPASS		LX2	36		COMPASS	18233		I	3
4		-CMP30								4
5	COMPASS		IX6	X1+X2		COMPASS	18234		I	5
6		-CMP30								6
7	COMPASS		SA6	A1	INCREMENT WORD COUNT	COMPASS	18235		I	7
8		-CMP30								8
9	COMPASS		AX1	36		COMPASS	18236		I	9
10		-CMP30								10
11	COMPASS		IX6	X1+X2	INCREMENT WORD COUNT	CMP30	5938	A		11
12	COMPASS		LX6	36		CMP30	5939	A		12
13	COMPASS		SA6	A1		CMP30	5940	A		13
14	COMPASS		SB7	X1-14	TEST FOR END OF TABLE	COMPASS	18237	A		14
15	COMPASS		NG	B7,DWORD		COMPASS	18238		I	15
16		-CMP30								16
17	COMPASS		MI	B7,DWORDX		CMP30	5941	A		17
18	COMPASS		RJ	RESORG	DUMP CARD	COMPASS	18239	A		18
19	COMPASS		EQ	DWORD		COMPASS	18240		I	19
20		-CMP30								20
21	COMPASS		EQ	DWORDX		CMP30	5942	A		21
22	COMPASS					COMPASS	18241	A		22
23	COMPASS	*		OUTPUT CP ABSOLUTE WORD.		COMPASS	18242	A		23
24	COMPASS					COMPASS	18243	A		24
25	COMPASS	DWORDC	SA1	ORGCTR		COMPASS	18244	A		25
26	COMPASS		SA2	ORGBASE		COMPASS	18245	A		26
27	COMPASS		SA3	LPGM		COMPASS	18246	A		27
28	COMPASS		IX4	X1-X2		COMPASS	18247	A		28
29	COMPASS		NG	X4,DWORDX	IGNORE WORD IF OUT OF RANGE	COMPASS	18248	A		29
30	COMPASS		IX1	X1-X3		COMPASS	18249	A		30
31	COMPASS		PL	X1,DWORDX		COMPASS	18250	A		31
32	COMPASS		SA1	0.MEMORY		COMPASS	18251	A		32
33	COMPASS		IX0	X1+X4		COMPASS	18252	A		33
34	COMPASS		SA2	BINWORD		COMPASS	18253	A		34
35	COMPASS		BX6	X2		COMPASS	18254	A		35
36	COMPASS		SA6	X0		COMPASS	18255	A		36
37	COMPASS	DWORDX	MX6	0		COMPASS	18256		I	37
38		-CMP30								38
39	COMPASS		SA6	BINWORD		COMPASS	18257		I	39
40		-CMP30								40
41	COMPASS	+	SA6	BINREL		COMPASS	18258		I	41
42		-CMP30								42
43	COMPASS		EQ	DWORD		COMPASS	18259		I	43
44		-CMP30								44
45	COMPASS		EQ	DWORDX		CMP30	5943	A		45
46	COMPASS					COMPASS	18260	A		46
47	COMPASS	*		OUTPUT PP WORD.		COMPASS	18261	A		47
48	COMPASS					COMPASS	18262	A		48
49	COMPASS	DWORDP	SA1	BINWORD		COMPASS	18263		I	49
50		-F4820								50
51	COMPASS		MX0	48		COMPASS	18264		I	51
52		-F4820								52
53		0	1	2	3	4	5	6	7	8
54		1234567890123456789012345678901234567890123456789012345678901234567890								
55										
56										
57										
58										
59										
60										



LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	BX2	-X0*X1		COMPASS	18265	I
1	-F4820						
2	COMPASS	SA3	ORGCTR		COMPASS	18266	I
3	-F4820						
4	COMPASS	SA4	ORGBASE		COMPASS	18267	I
5	-F4820						
6	COMPASS	SA5	LPGM		COMPASS	18268	I
7	-F4820						
8	COMPASS	IX1	X3-X4		COMPASS	18269	I
9	-F4820						
10	COMPASS	NG	X1,DWORDX		COMPASS	18270	I
11	-F4820						
12	COMPASS	IX4	X3-X5		COMPASS	18271	I
13	-F4820						
14	COMPASS	PL	X4,DWORDX		COMPASS	18272	I
15	-F4820						
16	COMPASS	SX0	5		COMPASS	18273	I
17	-F4820						
18	COMPASS	SB4	X1		COMPASS	18274	I
19	-F4820						
20	COMPASS	IX4	X1/X0	WORD INDEX	COMPASS	18275	I
21	-F4820						
22	COMPASS	SB6	X4		COMPASS	18276	I
23	-F4820						
24	COMPASS	SB5	B6+B6		COMPASS	18277	I
25	-F4820						
26	COMPASS	SB7	B5+B5		COMPASS	18278	I
27	-F4820						
28	COMPASS	SB5	B7+B6	5*LOCATION	COMPASS	18279	I
29	-F4820						
30	COMPASS	SX7	B4-B5	REMAINDER	COMPASS	18280	I
31	-F4820						
32	COMPASS	IX6	X7+X7	2*REMAINDER	COMPASS	18281	I
33	-F4820						
34	COMPASS	IX7	X6+X7	3*REMAINDER	COMPASS	18282	I
35	-F4820						
36	COMPASS	LX7	2	12*REMAINDER	COMPASS	18283	I
37	-F4820						
38	COMPASS	SB7	X7		COMPASS	18284	I
39	-F4820						
40	COMPASS	SB5	48		COMPASS	18285	I
41	-F4820						
42	COMPASS	SB7	B5-B7		COMPASS	18286	I
43	-F4820						
44	COMPASS	SX0	7777B		COMPASS	18287	I
45	-F4820						
46	COMPASS	LX0	X0,B7		COMPASS	18288	I
47	-F4820						
48	COMPASS	LX2	X2,B7		COMPASS	18289	I
49	-F4820						
50	COMPASS	SA1	0.MEMORY		COMPASS	18290	I
51	-F4820						
52							
53	0	1	2	3	4	5	6
54	1234567890123456789012345678901234567890123456789012345678901234567890						
55							
56							
57							
58							
59							
60							

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS	SA5	X1+B6	COMPASS	18291	I		
1	-F4820							
2	COMPASS	BX6	-X0*X5	COMPASS	18292	I		
3	-F4820							
4	COMPASS	BX6	X6+X2	COMPASS	18293	I		
5	-F4820							
6	COMPASS	SA6	A5	COMPASS	18294	I		
7	-F4820							
8	COMPASS	EQ	DWORDX	COMPASS	18295	I		
9	-F4820							
10	COMPASS	SA3	ORGCTR	F4820	807	I		
11	DWORDP							
12	-CPSA213	SA2	BINWORD	CPSA213	29	A		
13	DWORDP	SA3	ORGCTR	CPSA213	30	A		
14		SA1	ORGBASE	F4820	808	A		
15		SA5	LPGM	F4820	809	A		
16		SA2	BINWORD	F4820	810	I		
17	-CPSA213							
18	COMPASS	IX1	X3-X1	F4820	811	A		
19		NG	X1,DWORDX	F4820	812	A		
20	COMPASS	IX5	X3-X5	F4820	813	A		
21	COMPASS	SA4	PPTYPE	F4820	814	A		
22	COMPASS	PL	X5,DWORDX	F4820	815	A		
23	COMPASS	+	SX4	F4820	816	A		
24	COMPASS		NZ	F4820	817	A		
25	COMPASS		X4,*+1	IF NOT BCU	F4820	818	A	
26	COMPASS	LX1	1	F4820	819	A		
27	COMPASS	+	SX0	5	F4820	I		
28	-CPSA281							
29	COMPASS	+	SX7	X4+2	CPSA281	428	A	
30	COMPASS		ZR	X7,DWORDQ	IF 180 PP ASSEMBLY	CPSA281	429	A
31	COMPASS		SX0	5	CPSA281	430	A	
32	COMPASS	SB4	X1	F4820	820	A		
33	COMPASS	IX1	X1/X0	WORD INDEX	F4820	821	A	
34	COMPASS	SB6	X1	F4820	822	A		
35	COMPASS	SB5	B6+B6	F4820	823	A		
36	COMPASS	SB7	B5+B5	F4820	824	A		
37	COMPASS	SB5	B7+B6	5*LOCATION	F4820	825	A	
38	COMPASS	SX7	B4-B5	REMAINDER	F4820	826	A	
39	COMPASS	IX6	X7+X7	2*REMAINDER	F4820	827	A	
40	COMPASS	IX7	X6+X7	3*REMAINDER	F4820	828	A	
41	COMPASS	LX7	2	12*REMAINDER	F4820	829	A	
42	COMPASS	SB7	X7	F4820	830	A		
43	COMPASS	SB5	48	F4820	831	A		
44	COMPASS	SB7	B5-B7	F4820	832	A		
45	COMPASS	SX0	7777B	F4820	833	A		
46	COMPASS	LX0	X0,B7	F4820	834	A		
47	COMPASS	LX2	X2,B7	F4820	835	A		
48	COMPASS	SA1	0.MEMORY	F4820	836	A		
49	COMPASS	SA5	X1+B6	F4820	837	A		
50	COMPASS	BX6	-X0*X5	F4820	838	A		
51	COMPASS	ZR	X4,DWORDP1	IF BCU ASSEMBLY	F4820	839	A	
	COMPASS	BX2	X0*X2	F4820	840	A		

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7

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	COMPASS		IX1	X1-X3	POS * 60	CPSA281	466	A	
1	COMPASS		SB4	X1		CPSA281	467	A	1
2	COMPASS		SB5	44		CPSA281	468	A	2
3	COMPASS		SB4	B3-B4	K*16 - POS*60	CPSA281	469	A	3
4	COMPASS		SB5	B5-B4	REM = 44 - ( (K*16) - (POS*60) )	CPSA281	470	A	4
5	COMPASS		SA1	0.MEMORY		CPSA281	471	A	5
6	COMPASS		SA5	X1+B6	RELATIVE WORD AT *POS*	CPSA281	472	A	6
7	COMPASS		MI	B5,DBW30	IF BYTE CROSSES 60-BIT WORD BOUNDARY	CPSA281	473	A	7
8	COMPASS		MX0	-16		CPSA281	474	A	8
9	COMPASS		LX2	X2,B5	SHIFT BYTE TO POSITION	CPSA281	475	A	9
10	COMPASS		LX0	X0,B5	SHIFT MASK TO POSITION	CPSA281	476	A	10
11	COMPASS		BX2	-X0*X2	STORE BYTE IN PROGRAM IMAGE	CPSA281	477	A	11
12	COMPASS		BX6	X0*X5		CPSA281	478	A	12
13	COMPASS		BX6	X6+X2		CPSA281	479	A	13
14	COMPASS		SA6	A5		CPSA281	480	A	14
15	COMPASS		EQ	DWORDX	RETURN	CPSA281	481	A	15
16	COMPASS					CPSA281	482	A	16
17	COMPASS	DBW30	SB4	B5+16	REM + 16 (4, 8, OR 12)	CPSA281	483	A	17
18	COMPASS		MX0	16	FORM MASKS FOR BOTH UPPER BITS IN (POS)	CPSA281	484	A	18
19	COMPASS		LX0	X0,B4	AND LOWER BITS IN (POS+1)	CPSA281	485	A	19
20	COMPASS		MX1	30		CPSA281	486	A	20
21	COMPASS		BX7	X1*X0	MASK FOR LOWER PART IN (POS+1)	CPSA281	487	A	21
22	COMPASS		BX0	-X1*X0	MASK FOR UPPER PART IN (POS)	CPSA281	488	A	22
23	COMPASS		LX2	44	POSITION BYTE	CPSA281	489	A	23
24	COMPASS		LX2	X2,B4		CPSA281	490	A	24
25	COMPASS		BX3	X7*X2	LOWER PART OF BYTE FOR (POS+1)	CPSA281	491	A	25
26	COMPASS		BX2	X0*X2	UPPER PART OF BYTE FOR (POS)	CPSA281	492	A	26
27	COMPASS		BX6	-X0*X5	MERGE UPPER BITS IN (POS)	CPSA281	493	A	27
28	COMPASS		BX6	X6+X2		CPSA281	494	A	28
29	COMPASS		SA6	A5		CPSA281	495	A	29
30	COMPASS		SA5	A5+B1	MERGE LOWER BITS IN (POS+1)	CPSA281	496	A	30
31	COMPASS		BX6	-X7*X5		CPSA281	497	A	31
32	COMPASS		BX6	X6+X3		CPSA281	498	A	32
33	COMPASS		SA6	A5		CPSA281	499	A	33
34	COMPASS		EQ	DWORDX	RETURN	CPSA281	500	A	34
35	COMPASS	RESORG	SPACE	4		COMPASS	18296	A	35
36	COMPASS	**	RESORG	-	RESET ORIGIN.	COMPASS	18297	A	36
37	COMPASS	*			RESETS ORIGIN FOR RELOCATABLE ROUTINES. MAY DUMP TEXT	COMPASS	18298	A	37
38	COMPASS	*			TABLE IF BINREC IS NON-EMPTY.	COMPASS	18299	A	38
39	COMPASS					COMPASS	18300	A	39
40	COMPASS					COMPASS	18301	A	40
41	COMPASS	RESORG	PS		RETURN EXIT	COMPASS	18302	A	41
42	COMPASS		SA1	ABSFG		COMPASS	18303	A	42
43	COMPASS		SA2	BINREC		COMPASS	18304	A	43
44	COMPASS		SA3	B		CMP30	5944	A	44
45	COMPASS		NZ	X1,RESORG	AVOID ANY PROCESSING ON ABSOLUTE PROGRAMS	COMPASS	18305	A	45
46	COMPASS		AX2	36		COMPASS	18306	I	46
47		-CMP30							47
48	COMPASS		ZR	X3,RESORG	IF NO BINARY FILE	CMP30	5945	A	48
49	COMPASS		LX2	-36		CMP30	5946	A	49
50	COMPASS		SB7	X2+B1		COMPASS	18307	A	50
51	COMPASS		ZR	X2,RESORG1	IF BINARY RECORD EMPTY	COMPASS	18308	I	51

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP30

1	COMPASS	SA3	=40000001BS36	APPEND CONTROL WORD	COMPASS	18309	I
2	COMPASS	SA2	A2		COMPASS	18310	I
3	COMPASS	EQ	B7,B1,RESORG1	IF BINARY RECORD EMPTY	CMP30	5947	A
4	COMPASS	SA3	DBTA	APPEND CONTROL WORD	CMP30	5948	A
5	COMPASS	SA4	CLF		CMP30	5949	A
6	COMPASS	LX2	36		CMP30	5950	A
7	COMPASS	IX6	X2+X3		COMPASS	18311	A
8	COMPASS	LX4	33-59		CMP30	5951	A
9	COMPASS	BX6	X6+X4	OR IN CONDITIONAL LOAD FLAG	CMP30	5952	A
10	COMPASS	SA6	A2		COMPASS	18312	A
11	COMPASS	RM	IFEQ	CP#RM,0	CMP30	5953	A
12	COMPASS	WRITEW	B,A2,B7+B1		CMP30	5954	A
13	COMPASS	RM	ELSE		COMPASS	18313	A
14	COMPASS	SX4	B7+B1		CMP30	5955	A
15	COMPASS	IX2	X4+X4		CMP30	5956	A
16	COMPASS	LX4	3		CMP30	5957	A
17	COMPASS	SA1	B-1		CMP30	5958	A
18	COMPASS	IX4	X4+X2		CMP30	5959	A
19	COMPASS	NZ	X1,RES1	IF NOT *W* RECORDS	CMP30	5960	A
20	COMPASS	PUT	B,BINREC,X4		CMP30	5961	A
21	COMPASS	EQ	RESORG1		CMP30	5962	A
22	COMPASS	RES1	PUTP	B,BINREC,X4	CMP30	5963	A
23	COMPASS	RM	ENDIF		CMP30	5964	A
24	COMPASS	RESORG1	SA1	ORGCTR	CMP30	5965	A
25	COMPASS	SA2	A1+B1	RESET FOR NEW CARD	CMP30	5966	A
26	COMPASS	BX6	X6-X6		COMPASS	18314	A
27	COMPASS				COMPASS	18315	A
28	COMPASS				COMPASS	18316	I
29	COMPASS	MX0	-17				
30	COMPASS	+	SB7	X2	CMP30	5967	A
31	COMPASS	LE	B7,B1,*+1	ADJUST RELOCATION FOR COMMON	COMPASS	18317	A
32	COMPASS	SX2	X2+B1		COMPASS	18318	A
33	COMPASS	LX2	18		COMPASS	18319	A
34	COMPASS				COMPASS	18320	I
35	COMPASS	BX4	X0*X1				
36	COMPASS	SA3	DBTB	SET TABLE HEADER WORD	CMP30	5968	A
37	COMPASS	LX2	18		CMP30	5969	A
38	COMPASS	ZR	X4,DBT2	IF ORIGIN LESS THAN 2**17	CMP30	5970	A
39	COMPASS	LX2	6		CMP30	5971	A
40	COMPASS	SA3	A3+B1		CMP30	5972	A
41	COMPASS	DBT2	SX6	B0	CMP30	5973	A
42	COMPASS	BX7	X2+X1		CMP30	5974	A
43	COMPASS	SA6	BINREC+1		COMPASS	18321	A
44	COMPASS	SA7	A6-B1		COMPASS	18322	A
45	COMPASS	BX6	X3		COMPASS	18323	A
46	COMPASS	SA6	DBTA		CMP30	5975	A
47	COMPASS	EQ	RESORG		CMP30	5976	A
48	COMPASS				COMPASS	18324	A
49	COMPASS				CMP30	5977	A

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

1

LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS064

1	COMPASS	A+B	MICRO	1,,*044*	COMPASS	18349	I	1
2		-CPS064						2
3	COMPASS	B+A	MICRO	1,,*102*	COMPASS	18350	I	3
4		-CPS064						4
5	COMPASS	A-B	MICRO	1,,*054*	COMPASS	18351	I	5
6		-CPS064						6
7	COMPASS	B+B	MICRO	1,,*104*	COMPASS	18352	I	7
8		-CPS064						8
9	COMPASS	B-B	MICRO	1,,*114*	COMPASS	18353	I	9
10		-CPS064						10
11	COMPASS	-B+A	MICRO	1,,*302*	COMPASS	18354	I	11
12		-CPS064						12
13	COMPASS	-B+B	MICRO	1,,*304*	COMPASS	18355	I	13
14		-CPS064						14
15	COMPASS	X+X	MICRO	1,,*146*	COMPASS	18356	I	15
16		-CPS064						16
17	COMPASS	X-X	MICRO	1,,*156*	COMPASS	18357	I	17
18		-CPS064						18
19	COMPASS	X*X	MICRO	1,,*166*	COMPASS	18358	I	19
20		-CPS064						20
21	COMPASS	X/X	MICRO	1,,*176*	COMPASS	18359	I	21
22		-CPS064						22
23	COMPASS	-X+X	MICRO	1,,*346*	COMPASS	18360	I	23
24		-CPS064						24
25	COMPASS	-X-X	MICRO	1,,*356*	COMPASS	18361	I	25
26		-CPS064						26
27	COMPASS	-X*X	MICRO	1,,*366*	COMPASS	18362	I	27
28		-CPS064						28
29	COMPASS	CPOPA	SPACE	4	COMPASS	18363	I	29
30		-CPS064						30
31	COMPASS	**	CPOPA	- REMOVE ONE LEVEL OF MICRO.	COMPASS	18364	I	31
32		-CPS064						32
33	COMPASS	*	CPOPA	P1	COMPASS	18365	I	33
34		-CPS064						34
35	COMPASS	*	ENTRY	(P1) = MICRO NAME.	COMPASS	18366	I	35
36		-CPS064						36
37	COMPASS	*	EXIT	(D) = MICRO NAME.	COMPASS	18367	I	37
38		-CPS064						38
39	COMPASS				COMPASS	18368	I	39
40		-CPS064						40
41	COMPASS				COMPASS	18369	I	41
42		-CPS064						42
43	COMPASS	CPOPA	MACRO	P1	COMPASS	18370	I	43
44		-CPS064						44
45	COMPASS	D	MICRO	1,, "P1"	COMPASS	18371	I	45
46		-CPS064						46
47	COMPASS		ENDM		COMPASS	18372	I	47
48		-CPS064						48
49	COMPASS	CPUOP	SPACE	4	COMPASS	18373	I	49
50		-CPS064						50
51	COMPASS	**	CPUOP	- CENTRAL PROCESSER OPERATION MACRO.	COMPASS	18374	I	51

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS064

1	COMPASS	*	CPUOP	CTL,VAL,REQ,N1,N2,N3	COMPASS	18375	I	1			
2		-CPS064						2			
3	COMPASS	*	ENTRY	(CTL) = 4 - FORCE UPPER AFTER INSTRUCTION.	COMPASS	18376	I	3			
4		-CPS064						4			
5	COMPASS	*		2 - FORCE UPPER BEFORE INSTRUCTION.	COMPASS	18377	I	5			
6		-CPS064						6			
7	COMPASS	*		1 - 30-BIT INSTRUCTION.	COMPASS	18378	I	7			
8		-CPS064						8			
9	COMPASS	*		(VAL) = VALUE OF OPERATION CODE.	COMPASS	18379	I	9			
10		-CPS064						10			
11	COMPASS	*		(REG) = IJK. (I) = CODE FOR I-PORION.	COMPASS	18380	I	11			
12		-CPS064						12			
13	COMPASS	*		1 - OP-CODE PORTION.	COMPASS	18381	I	13			
14		-CPS064						14			
15	COMPASS	*		2 - 2ND OR ONLY ADDRESS REGISTER.	COMPASS	18382	I	15			
16		-CPS064						16			
17	COMPASS	*		3 - 1ST OF 2 ADDRESS REGISTERS.	COMPASS	18383	I	17			
18		-CPS064						18			
19	COMPASS	*		(NI) = FIELD DEFINITION OF MNEMONIC.	COMPASS	18384	I	19			
20		-CPS064						20			
21	COMPASS				COMPASS	18385	I	21			
22		-CPS064						22			
23	COMPASS				COMPASS	18386	I	23			
24		-CPS064						24			
25	COMPASS	CPUOP	MACRO	CTL,VAL,REG,N1,N2,N3	COMPASS	18387	I	25			
26		-CPS064						26			
27	COMPASS	D	MICRO	3,, \$N1\$	COMPASS	18388	I	27			
28		-CPS064						28			
29	COMPASS		CPOPA	"D"	COMPASS	18389	I	29			
30		-CPS064						30			
31	COMPASS	MN	MICRO	1,2, \$N1\$	COMPASS	18390	I	31			
32		-CPS064						32			
33	COMPASS		VFD	24/2R"MN",8/"D",8/"N2",8/"N3",12/1R	COMPASS	18391	I	33			
34		-CPS064						34			
35	COMPASS		VFD	12/VAL,21/CTL,9/REG,18/	COMPASS	18392	I	35			
36		-CMP30						36			
37	COMPASS		VFD	12/VAL,18/M.,3/CTL,9/REG,18/	CMP30	5982	I	37			
38		-CPS064						38			
39	COMPASS		ENDM		COMPASS	18393	I	39			
40		-CPS064						40			
41	COMPASS	PPUOP	SPACE	4	COMPASS	18394	I	41			
42		-CPS064						42			
43	COMPASS	**	PPUOP	- DEFINE PP INSTRUCTION MACRO.	COMPASS	18395	I	43			
44		-CPS064						44			
45	COMPASS	*	PPUOP	NAME,CTL,VAL	COMPASS	18396	I	45			
46		-CPS064						46			
47	COMPASS	*	ENTRY	(NAME) = MNEMONIC NAME.	COMPASS	18397	I	47			
48		-CPS064						48			
49	COMPASS	*		(CTL) = 1 - 24-BIT WITH 12-BIT ADDRESS AND NO INDEXING.	COMPASS	18398	I	49			
50		-CPS064						50			
51	COMPASS	*		2 - 12-BIT WITH SIGNED RELATIVE ADDRESS	COMPASS	18399	I	51			
52								52			
53		0	1	2	3	4	5	6	7	8	53
54		1234567890123456789012345678901234567890123456789012345678901234567890									54
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- CPS064

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

1	COMPASS	-CPS064 PSEUDO	MACRO	TYPE,NAME	COMPASS	18425	I	1			
2		-CPS064						2			
3	COMPASS		DATA	R\$NAME\$	COMPASS	18426	I	3			
4		-CPS064						4			
5	COMPASS	-CPS064	VFD	3/TYPE,39//PASS1/NAME,18//PASS2/NAME	COMPASS	18427	I	5			
6		-CPS064						6			
7	COMPASS		ENDM		COMPASS	18428	I	7			
8		-CPS064						8			
9	COMPASS	PSEUD	SPACE	4	COMPASS	18429	I	9			
10		-CPS064						10			
11	COMPASS	**	PSEUD	- DEFINE PSEUDO INSTRUCTION MACRO.	COMPASS	18430	I	11			
12		-CPS064						12			
13	COMPASS	*	PSEUD	TYPE,NAME,PASS1,PASS2	COMPASS	18431	I	13			
14		-CPS064						14			
15	COMPASS	*	ENTRY	(TYPE) = PSEUDO INSTRUCTION TYPE.	COMPASS	18432	I	15			
16		-CPS064						16			
17	COMPASS	*		(NAME) = NAME OF PSEUDO OPERATION.	COMPASS	18433	I	17			
18		-CPS064						18			
19	COMPASS	*		(P1) = PASS1 ADDRESS.	COMPASS	18434	I	19			
20		-CPS064						20			
21	COMPASS	*		(P2) = PASS2 ADDRESS.	COMPASS	18435	I	21			
22		-CPS064						22			
23	COMPASS				COMPASS	18436	I	23			
24		-CPS064						24			
25	COMPASS				COMPASS	18437	I	25			
26		-CPS064						26			
27	COMPASS	PSEUD	MACRO	TYPE,NAME,P1,P2	COMPASS	18438	I	27			
28		-CPS064						28			
29	COMPASS		DATA	R\$NAME\$	COMPASS	18439	I	29			
30		-CPS064						30			
31	COMPASS	-CPS064	VFD	3/TYPE,39//PASS1/P1,18//PASS2/P2	COMPASS	18440	I	31			
32		-CPS064						32			
33	COMPASS		ENDM		COMPASS	18441	I	33			
34		-CPS064						34			
35	COMPASS	OPS	SPACE	4	COMPASS	18442	I	35			
36		-CPS064						36			
37	COMPASS	*	6600	AND 7600 PP OPCODES.	COMPASS	18443	I	37			
38		-CPS064						38			
39	COMPASS				COMPASS	18444	I	39			
40		-CPS064						40			
41	COMPASS				COMPASS	18445	I	41			
42		-CPS064						42			
43	COMPASS	OPS	BSS	0	COMPASS	18446	I	43			
44		-CPS064						44			
45	COMPASS	M.	SET	0	CMP30	5984	I	45			
46		-CPS064						46			
47	COMPASS		LIST	-R	CMP30	5985	I	47			
48		-CPS064						48			
49	COMPASS	PPUOP	LJM,5,0100		COMPASS	18447	I	49			
50		-CPS064						50			
51	COMPASS	PPUOP	RJM,5,0200		COMPASS	18448	I	51			
52								52			
53		0	1	2	3	4	5	6	7	8	53
54		1234567890123456789012345678901234567890123456789012345678901234567890									54
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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS064

1	COMPASS	-CPS064	PPUOP	UJN,2,0300	COMPASS	18449	I	1
2		-CPS064						2
3	COMPASS	-CPS064	PPUOP	ZJN,2,0400	COMPASS	18450	I	3
4		-CPS064						4
5	COMPASS	-CPS064	PPUOP	NJN,2,0500	COMPASS	18451	I	5
6		-CPS064						6
7	COMPASS	-CPS064	PPUOP	PJN,2,0600	COMPASS	18452	I	7
8		-CPS064						8
9	COMPASS	-CPS064	PPUOP	MJN,2,0700	COMPASS	18453	I	9
10		-CPS064						10
11	COMPASS	-CPS064	PPUOP	SHN,6,1000	COMPASS	18454	I	11
12		-CPS064						12
13	COMPASS	-CPS064	PPUOP	LMN,4,1100	COMPASS	18455	I	13
14		-CPS064						14
15	COMPASS	-CPS064	PPUOP	LPN,4,1200	COMPASS	18456	I	15
16		-CPS064						16
17	COMPASS	-CPS064	PPUOP	SCN,4,1300	COMPASS	18457	I	17
18		-CPS064						18
19	COMPASS	-CPS064	PPUOP	LDN,4,1400	COMPASS	18458	I	19
20		-CPS064						20
21	COMPASS	-CPS064	PPUOP	LCN,4,1500	COMPASS	18459	I	21
22		-CPS064						22
23	COMPASS	-CPS064	PPUOP	ADN,4,1600	COMPASS	18460	I	23
24		-CPS064						24
25	COMPASS	-CPS064	PPUOP	SBN,4,1700	COMPASS	18461	I	25
26		-CPS064						26
27	COMPASS	-CPS064	PPUOP	LDC,3,2000	COMPASS	18462	I	27
28		-CPS064						28
29	COMPASS	-CPS064	PPUOP	ADC,3,2100	COMPASS	18463	I	29
30		-CPS064						30
31	COMPASS	-CPS064	PPUOP	LPC,3,2200	COMPASS	18464	I	31
32		-CPS064						32
33	COMPASS	-CPS064	PPUOP	LMC,3,2300	COMPASS	18465	I	33
34		-CPS064						34
35	COMPASS	-CPS064	PPUOP	PSN,4,2400	COMPASS	18466	I	35
36		-CPS064						36
37	COMPASS	-CPS064	PPUOP	LDD,4,3000	COMPASS	18467	I	37
38		-CPS064						38
39	COMPASS	-CPS064	PPUOP	ADD,4,3100	COMPASS	18468	I	39
40		-CPS064						40
41	COMPASS	-CPS064	PPUOP	SBD,4,3200	COMPASS	18469	I	41
42		-CPS064						42
43	COMPASS	-CPS064	PPUOP	LMD,4,3300	COMPASS	18470	I	43
44		-CPS064						44
45	COMPASS	-CPS064	PPUOP	STD,4,3400	COMPASS	18471	I	45
46		-CPS064						46
47	COMPASS	-CPS064	PPUOP	RAD,4,3500	COMPASS	18472	I	47
48		-CPS064						48
49	COMPASS	-CPS064	PPUOP	AOD,4,3600	COMPASS	18473	I	49
50		-CPS064						50
51	COMPASS	-CPS064	PPUOP	SOD,4,3700	COMPASS	18474	I	51
52		-CPS064						52

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS064

1	COMPASS	-CPS064	PPUOP	LDI,4,4000	COMPASS	18475	I
2		-CPS064					
3	COMPASS	-CPS064	PPUOP	ADI,4,4100	COMPASS	18476	I
4		-CPS064					
5	COMPASS	-CPS064	PPUOP	SBI,4,4200	COMPASS	18477	I
6		-CPS064					
7	COMPASS	-CPS064	PPUOP	LMI,4,4300	COMPASS	18478	I
8		-CPS064					
9	COMPASS	-CPS064	PPUOP	STI,4,4400	COMPASS	18479	I
10		-CPS064					
11	COMPASS	-CPS064	PPUOP	RAI,4,4500	COMPASS	18480	I
12		-CPS064					
13	COMPASS	-CPS064	PPUOP	AOI,4,4600	COMPASS	18481	I
14		-CPS064					
15	COMPASS	-CPS064	PPUOP	SOI,4,4700	COMPASS	18482	I
16		-CPS064					
17	COMPASS	-CPS064	PPUOP	LDM,5,5000	COMPASS	18483	I
18		-CPS064					
19	COMPASS	-CPS064	PPUOP	ADM,5,5100	COMPASS	18484	I
20		-CPS064					
21	COMPASS	-CPS064	PPUOP	SBM,5,5200	COMPASS	18485	I
22		-CPS064					
23	COMPASS	-CPS064	PPUOP	LMM,5,5300	COMPASS	18486	I
24		-CPS064					
25	COMPASS	-CPS064	PPUOP	STM,5,5400	COMPASS	18487	I
26		-CPS064					
27	COMPASS	-CPS064	PPUOP	RAM,5,5500	COMPASS	18488	I
28		-CPS064					
29	COMPASS	-CPS064	PPUOP	AOM,5,5600	COMPASS	18489	I
30		-CPS064					
31	COMPASS	-CPS064	PPUOP	SOM,5,5700	COMPASS	18490	I
32		-CPS064					
33	COMPASS	-CPS064	PPUOP	IAN,4,7000	COMPASS	18491	I
34		-CPS064					
35	COMPASS	-CPS064	PPUOP	IAM,7,7100	COMPASS	18492	I
36		-CPS064					
37	COMPASS	-CPS064	PPUOP	OAN,4,7200	COMPASS	18493	I
38		-CPS064					
39	COMPASS	-CPS064	PPUOP	OAM,7,7300	COMPASS	18494	I
40		-CPS064					
41	COMPASS	-CPS064			COMPASS	18495	I
42		-CPS064					
43	COMPASS	*	6600	PP OPCODES.	COMPASS	18496	I
44		-CPS064					
45	COMPASS	-CPS064			COMPASS	18497	I
46		-CPS064					
47	COMPASS	M.	SET	1	CMP30	5986	I
48		-CPS064					
49	COMPASS	-CPS064	PPUOP	EXN,4,2600	COMPASS	18498	I
50		-CPS064					
51	COMPASS	-CPS064	PPUOP	MXN,4,2610	COMPASS	18499	I
52		-CPS064					

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS064

1	COMPASS	-CPS064	PPUOP	MAN,4,2620	CMP30	5987	I	1
2	COMPASS	-CPS064	PPUOP	RPN,4,2700	COMPASS	18500	I	2
3	COMPASS	-CPS064	PPUOP	CRD,4,6000	COMPASS	18501	I	3
4	COMPASS	-CPS064	PPUOP	CRM,7,6100	COMPASS	18502	I	4
5	COMPASS	-CPS064	PPUOP	CWD,4,6200	COMPASS	18503	I	5
6	COMPASS	-CPS064	PPUOP	CWM,7,6300	COMPASS	18504	I	6
7	COMPASS	-CPS064	PPUOP	AJM,7,6400	COMPASS	18505	I	7
8	COMPASS	-CPS064	PPUOP	IJM,7,6500	COMPASS	18506	I	8
9	COMPASS	-CPS064	PPUOP	FJM,7,6600	COMPASS	18507	I	9
10	COMPASS	-CPS064	PPUOP	EJM,7,6700	COMPASS	18508	I	10
11	COMPASS	-CPS064	PPUOP	ACN,4,7400	COMPASS	18509	I	11
12	COMPASS	-CPS064	PPUOP	DCN,4,7500	COMPASS	18510	I	12
13	COMPASS	-CPS064	PPUOP	FAN,4,7600	COMPASS	18511	I	13
14	COMPASS	-CPS064	PPUOP	FNC,7,7700	COMPASS	18512	I	14
15	COMPASS	-CPS064			COMPASS	18513	I	15
16	COMPASS	-CPS064			COMPASS	18514	I	16
17	COMPASS	-CPS064			COMPASS	18515	I	17
18	COMPASS	-CPS064	PPUOP	ETN,4,2600	COMPASS	18516	I	18
19	COMPASS	-CPS064	PPUOP	ERN,4,2700	COMPASS	18517	I	19
20	COMPASS	-CPS064			COMPASS	18518	I	20
21	COMPASS	-CPS064			COMPASS	18519	I	21
22	COMPASS	-CPS064			COMPASS	18520	I	22
23	COMPASS	-CPS064	PPUOP	FIM,7,6000	COMPASS	18521	I	23
24	COMPASS	-CPS064	PPUOP	EIM,7,6100	COMPASS	18522	I	24
25	COMPASS	-CPS064	PPUOP	IRM,7,6200	COMPASS	18523	I	25

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS064

1	COMPASS	-CPS064	PPUOP	NIM,7,6300	COMPASS	18524	I
2	COMPASS	-CPS064	PPUOP	FOM,7,6400	COMPASS	18525	I
3	COMPASS	-CPS064	PPUOP	EOM,7,6500	COMPASS	18526	I
4	COMPASS	-CPS064	PPUOP	ORM,7,6600	COMPASS	18527	I
5	COMPASS	-CPS064	PPUOP	NOM,7,6700	COMPASS	18528	I
6	COMPASS	-CPS064	PPUOP	RFN,4,7400	COMPASS	18529	I
7	COMPASS	-CPS064	PPUOP	ESN,4,7700	COMPASS	18530	I
8	COMPASS	-CPS064			COMPASS	18531	I
9	COMPASS	-CPS064			COMPASS	18532	I
10	COMPASS	*		6600 AND 7600 CP OPCODES.	COMPASS	18533	I
11	COMPASS	-CPS064			COMPASS	18533	I
12	COMPASS	-CPS064	M.	SET 0	CMP30	5989	I
13	COMPASS	-CPS064	CPUOP	7,000,000,PS	CMP30	5990	I
14	COMPASS	-CPS064	CPUOP	7,000,000,PSQ	CMP30	5991	I
15	COMPASS	-CPS064	CPUOP	5,010,000,RJQ	COMPASS	18534	I
16	COMPASS	-CPS064	CPUOP	5,020,000,JPQ	COMPASS	18535	I
17	COMPASS	-CPS064	CPUOP	5,020,200,JPB	COMPASS	18536	I
18	COMPASS	-CPS010	CPUOP	5,020,200,JPBQ	COMPASS	18537	I
19	COMPASS	-CPS010	CPUOP	5,020,220,JPB	CPS010	135	I
20	COMPASS	-CPS064	CPUOP	5,020,220,JPBQ	CPS010	136	I
21	COMPASS	-CPS064	CPUOP	1,030,020,ZRX,Q	COMPASS	18538	I
22	COMPASS	-CPS064	CPUOP	1,031,020,NZX,Q	COMPASS	18539	I
23	COMPASS	-CPS064	CPUOP	1,032,020,PLX,Q	COMPASS	18540	I
24	COMPASS	-CPS064	CPUOP	1,033,020,NGX,Q	COMPASS	18541	I
25	COMPASS	-CPS064	CPUOP	1,033,020,MIX,Q	COMPASS	18542	I
26	COMPASS	-CPS064	CPUOP	1,034,020,IRX,Q	COMPASS	18543	I
27	COMPASS	-CPS064	CPUOP	1,035,020,ORX,Q	COMPASS	18544	I

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS064

1	COMPASS	CPUOP	1,036,020,DFX,Q	COMPASS	18545	I
2	-CPS064					
3	COMPASS	CPUOP	1,037,020,IDX,Q	COMPASS	18546	I
4	-CPS064					
5	COMPASS	CPUOP	5,040,000,EQQ	COMPASS	18547	I
6	-CPS064					
7	COMPASS	CPUOP	1,040,200,EQB,Q	COMPASS	18548	I
8	-CPS064					
9	COMPASS	CPUOP	1,040,320,EQB,B,Q	COMPASS	18549	I
10	-CPS064					
11	COMPASS	CPUOP	5,040,000,ZRQ	COMPASS	18550	I
12	-CPS064					
13	COMPASS	CPUOP	1,040,200,ZRB,Q	COMPASS	18551	I
14	-CPS064					
15	COMPASS	CPUOP	1,050,200,NEB,Q	COMPASS	18552	I
16	-CPS064					
17	COMPASS	CPUOP	1,050,320,NEB,B,Q	COMPASS	18553	I
18	-CPS064					
19	COMPASS	CPUOP	1,050,200,NZB,Q	COMPASS	18554	I
20	-CPS064					
21	COMPASS	CPUOP	1,060,200,PLB,Q	COMPASS	18555	I
22	-CPS064					
23	COMPASS	CPUOP	1,060,200,GEB,Q	COMPASS	18556	I
24	-CPS064					
25	COMPASS	CPUOP	1,060,320,GEB,B,Q	COMPASS	18557	I
26	-CPS064					
27	COMPASS	CPUOP	1,060,230,LEB,B,Q	COMPASS	18558	I
28	-CPS064					
29	COMPASS	CPUOP	1,060,020,LEB,Q	COMPASS	18559	I
30	-CPS064					
31	COMPASS	CPUOP	1,070,200,NGB,Q	COMPASS	18560	I
32	-CPS064					
33	COMPASS	CPUOP	1,070,200,MIB,Q	COMPASS	18561	I
34	-CPS064					
35	COMPASS	CPUOP	1,070,320,LTB,B,Q	COMPASS	18562	I
36	-CPS064					
37	COMPASS	CPUOP	1,070,230,GTB,B,Q	COMPASS	18563	I
38	-CPS064					
39	COMPASS	CPUOP	1,070,200,LTB,Q	COMPASS	18564	I
40	-CPS064					
41	COMPASS	CPUOP	1,070,020,GTB,Q	COMPASS	18565	I
42	-CPS064					
43	COMPASS	CPUOP	0,100,122,BXX	COMPASS	18566	I
44	-CPS064					
45	COMPASS	CPUOP	0,110,132,BXX*X	COMPASS	18567	I
46	-CPS064					
47	COMPASS	CPUOP	0,120,132,BXX+X	COMPASS	18568	I
48	-CPS064					
49	COMPASS	CPUOP	0,130,132,BXX-X	COMPASS	18569	I
50	-CPS064					
51	COMPASS	CPUOP	0,140,122,BX-X	COMPASS	18570	I

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1412THE

LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS064

1	COMPASS	-CPS064	CPUOP	0,150,123,BX-X*X	COMPASS	18571	I	1
2		-CPS064						2
3	COMPASS	-CPS064	CPUOP	0,160,123,BX-X+X	COMPASS	18572	I	3
4		-CPS064						4
5	COMPASS	-CPS064	CPUOP	0,170,123,BX-X-X	COMPASS	18573	I	5
6		-CPS064						6
7	COMPASS	-CPS064	CPUOP	0,200,100,LXQ	COMPASS	18574	I	7
8		-CPS064						8
9	COMPASS	-CPS064	CPUOP	0,210,100,AXQ	COMPASS	18575	I	9
10		-CPS064						10
11	COMPASS	-CPS064	CPUOP	0,220,102,LXX	COMPASS	18576	I	11
12		-CPS064						12
13	COMPASS	-CPS064	CPUOP	0,220,121,LXB	CMP30	5992	I	13
14		-CPS064						14
15	COMPASS	-CPS064	CPUOP	0,220,121,AX-B	CMP30	5993	I	15
16		-CPS064						16
17	COMPASS	-CPS064	CPUOP	0,220,132,LXB,X	COMPASS	18577	I	17
18		-CPS064						18
19	COMPASS	-CPS064	CPUOP	0,220,132,AX-B,X	CMP30	5994	I	19
20		-CPS064						20
21	COMPASS	-CPS064	CPUOP	0,220,123,LXX,B	COMPASS	18578	I	21
22		-CPS064						22
23	COMPASS	-CPS064	CPUOP	0,220,123,AXX,-B	CMP30	5995	I	23
24		-CPS064						24
25	COMPASS	-CPS064	CPUOP	0,230,102,AXX	COMPASS	18579	I	25
26		-CPS064						26
27	COMPASS	-CPS064	CPUOP	0,230,121,AXB	CMP30	5996	I	27
28		-CPS064						28
29	COMPASS	-CPS064	CPUOP	0,230,121,LX-B	CMP30	5997	I	29
30		-CPS064						30
31	COMPASS	-CPS064	CPUOP	0,230,132,AXB,X	COMPASS	18580	I	31
32		-CPS064						32
33	COMPASS	-CPS064	CPUOP	0,230,132,LX-B,X	CMP30	5998	I	33
34		-CPS064						34
35	COMPASS	-CPS064	CPUOP	0,230,123,AXX,B	COMPASS	18581	I	35
36		-CPS064						36
37	COMPASS	-CPS064	CPUOP	0,230,123,LXX,-B	CMP30	5999	I	37
38		-CPS064						38
39	COMPASS	-CPS064	CPUOP	0,240,101,NX	CMP30	6000	I	39
40		-CPS064						40
41	COMPASS	-CPS064	CPUOP	0,240,102,NXX	COMPASS	18582	I	41
42		-CPS064						42
43	COMPASS	-CPS064	CPUOP	0,240,121,NXB	CMP30	6001	I	43
44		-CPS064						44
45	COMPASS	-CPS064	CPUOP	0,240,132,NXB,X	COMPASS	18583	I	45
46		-CPS064						46
47	COMPASS	-CPS064	CPUOP	0,240,123,NXX,B	COMPASS	18584	I	47
48		-CPS064						48
49	COMPASS	-CPS064	CPUOP	0,250,101,ZX	CMP30	6002	I	49
50		-CPS064						50
51	COMPASS	-CPS064	CPUOP	0,250,102,ZXX	COMPASS	18585	I	51
52								52

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS064

1	COMPASS	-CPS064	CPUOP	0,250,121,ZXB	CMP30	6003	I	1
2		-CPS064						2
3	COMPASS	-CPS064	CPUOP	0,250,132,ZXB,X	COMPASS	18586	I	3
4		-CPS064						4
5	COMPASS	-CPS064	CPUOP	0,250,123,ZXX,B	COMPASS	18587	I	5
6		-CPS064						6
7	COMPASS	-CPS064	CPUOP	0,260,101,UX	CMP30	6004	I	7
8		-CPS064						8
9	COMPASS	-CPS064	CPUOP	0,260,102,UXX	COMPASS	18588	I	9
10		-CPS064						10
11	COMPASS	-CPS064	CPUOP	0,260,121,UXB	CMP30	6005	I	11
12		-CPS064						12
13	COMPASS	-CPS064	CPUOP	0,260,132,UXB,X	COMPASS	18589	I	13
14		-CPS064						14
15	COMPASS	-CPS064	CPUOP	0,260,123,UXX,B	COMPASS	18590	I	15
16		-CPS064						16
17	COMPASS	-CPS064	CPUOP	0,270,101,PX	CMP30	6006	I	17
18		-CPS064						18
19	COMPASS	-CPS064	CPUOP	0,270,102,PXX	CMP30	6007	I	19
20		-CPS064						20
21	COMPASS	-CPS064	CPUOP	0,270,121,PXB	CMP30	6008	I	21
22		-CPS064						22
23	COMPASS	-CPS064	CPUOP	0,270,132,PXB,X	COMPASS	18591	I	23
24		-CPS064						24
25	COMPASS	-CPS064	CPUOP	0,270,123,PXX,B	COMPASS	18592	I	25
26		-CPS064						26
27	COMPASS	-CPS064	CPUOP	0,270,102,PXX	COMPASS	18593	I	27
28		-CMP30						28
29	COMPASS	-CPS064	CPUOP	0,300,132,FXX+X	COMPASS	18594	I	29
30		-CPS064						30
31	COMPASS	-CPS064	CPUOP	0,310,132,FXX-X	COMPASS	18595	I	31
32		-CPS064						32
33	COMPASS	-CPS064	CPUOP	0,320,132,DXX+X	COMPASS	18596	I	33
34		-CPS064						34
35	COMPASS	-CPS064	CPUOP	0,330,132,DXX-X	COMPASS	18597	I	35
36		-CPS064						36
37	COMPASS	-CPS064	CPUOP	0,340,132,RXX+X	COMPASS	18598	I	37
38		-CPS064						38
39	COMPASS	-CPS064	CPUOP	0,350,132,RXX-X	COMPASS	18599	I	39
40		-CPS064						40
41	COMPASS	-CPS064	CPUOP	0,360,132,IXX+X	COMPASS	18600	I	41
42		-CPS064						42
43	COMPASS	-CPS064	CPUOP	0,370,132,IXX-X	COMPASS	18601	I	43
44		-CPS064						44
45	COMPASS	-CPS064	CPUOP	0,400,132,FXX*X	COMPASS	18602	I	45
46		-CPS064						46
47	COMPASS	-CPS064	CPUOP	0,410,132,RXX*X	COMPASS	18603	I	47
48		-CPS064						48
49	COMPASS	-CPS064	CPUOP	0,420,132,DXX*X	COMPASS	18604	I	49
50		-CPS064						50
51	COMPASS	-CPS064	CPUOP	0,420,132,IXX*X	CMP30	6009	I	51

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS064

1	COMPASS	CPUOP	0,430,100,MXQ	COMPASS	18605	I
2	-CPS064			COMPASS	18606	I
3	COMPASS	CPUOP	0,440,132,FXX/X	COMPASS	18607	I
4	-CPS064			COMPASS	18608	I
5	COMPASS	CPUOP	0,450,132,RXX/X	COMPASS	18609	I
6	-CPS064			COMPASS	18610	I
7	COMPASS	CPUOP	0,460,000,NO	COMPASS	18611	I
8	-CPS064			COMPASS	18612	I
9	COMPASS	CPUOP	0,460,000,NOQ	COMPASS	18613	I
10	-CPS064			COMPASS	18614	I
11	COMPASS	CPUOP	7,464,020,IMB	COMPASS	18615	I
12	-CPS064			COMPASS	18616	I
13	COMPASS	CPUOP	7,464,000,IMQ	COMPASS	18617	I
14	-CPS064			COMPASS	18618	I
15	COMPASS	CPUOP	7,464,020,IMBQ	COMPASS	18619	I
16	-CPS064			COMPASS	18620	I
17	COMPASS	CPUOP	0,470,122,CXX	COMPASS	18621	I
18	-CPS064			COMPASS	18622	I
19	COMPASS	CPUOP	1,500,120,SAAQ	COMPASS	18623	I
20	-CPS064			COMPASS	18624	I
21	COMPASS	CPUOP	1,600,120,SBAQ	COMPASS	18625	I
22	-CPS064			COMPASS	18626	I
23	COMPASS	CPUOP	1,700,120,SXAQ	COMPASS	18627	I
24	-CPS064			COMPASS	18628	I
25	COMPASS	CPUOP	1,510,100,SAQ	COMPASS	18629	I
26	-CPS064			COMPASS	18630	I
27	COMPASS	CPUOP	1,610,100,SBQ	COMPASS	18631	I
28	-CPS064			COMPASS	18632	I
29	COMPASS	CPUOP	1,710,100,SXQ	COMPASS	18633	I
30	-CPS064			COMPASS	18634	I
31	COMPASS	CPUOP	1,510,120,SABQ	COMPASS	18635	I
32	-CPS064			COMPASS	18636	I
33	COMPASS	CPUOP	1,610,120,SBBQ	COMPASS	18637	I
34	-CPS064			COMPASS	18638	I
35	COMPASS	CPUOP	1,710,120,SXBQ	COMPASS	18639	I
36	-CPS064			COMPASS	18640	I
37	COMPASS	CPUOP	1,520,120,SAXQ	COMPASS	18641	I
38	-CPS064			COMPASS	18642	I
39	COMPASS	CPUOP	1,620,120,SBXQ	COMPASS	18643	I
40	-CPS064			COMPASS	18644	I
41	COMPASS	CPUOP	1,720,120,SXXQ	COMPASS	18645	I
42	-CPS064			COMPASS	18646	I
43	COMPASS	CPUOP	0,530,132,SAX+B	COMPASS	18647	I
44	-CPS064			COMPASS	18648	I
45	COMPASS	CPUOP	0,630,132,SBX+B	COMPASS	18649	I
46	-CPS064			COMPASS	18650	I
47	COMPASS	CPUOP	0,730,132,SXX+B	COMPASS	18651	I
48	-CPS064			COMPASS	18652	I
49	COMPASS	CPUOP	0,530,123,SAB+X	COMPASS	18653	I
50	-CPS064			COMPASS	18654	I
51	COMPASS	CPUOP	0,630,123,SBB+X	COMPASS	18655	I

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1412THE

LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS064

1	COMPASS	CPUOP	0,730,123,SXB+X	COMPASS	18628	I
2	-CPS064					
3	COMPASS	CPUOP	0,530,120,SAX	COMPASS	18629	I
4	-CPS064					
5	COMPASS	CPUOP	0,630,120,SBX	COMPASS	18630	I
6	-CPS064					
7	COMPASS	CPUOP	0,730,120,SXX	COMPASS	18631	I
8	-CPS064					
9	COMPASS	CPUOP	0,540,120,SAA	COMPASS	18632	I
10	-CPS064					
11	COMPASS	CPUOP	0,640,120,SBA	COMPASS	18633	I
12	-CPS064					
13	COMPASS	CPUOP	0,740,120,SXA	COMPASS	18634	I
14	-CPS064					
15	COMPASS	CPUOP	0,540,132,SAA+B	COMPASS	18635	I
16	-CPS064					
17	COMPASS	CPUOP	0,640,132,SBA+B	COMPASS	18636	I
18	-CPS064					
19	COMPASS	CPUOP	0,740,132,SXA+B	COMPASS	18637	I
20	-CPS064					
21	COMPASS	CPUOP	0,540,123,SAB+A	COMPASS	18638	I
22	-CPS064					
23	COMPASS	CPUOP	0,640,123,SBB+A	COMPASS	18639	I
24	-CPS064					
25	COMPASS	CPUOP	0,740,123,SXB+A	COMPASS	18640	I
26	-CPS064					
27	COMPASS	CPUOP	0,550,132,SAA-B	COMPASS	18641	I
28	-CPS064					
29	COMPASS	CPUOP	0,650,132,SBA-B	COMPASS	18642	I
30	-CPS064					
31	COMPASS	CPUOP	0,750,132,SXA-B	COMPASS	18643	I
32	-CPS064					
33	COMPASS	CPUOP	0,550,123,SA-B+A	COMPASS	18644	I
34	-CPS064					
35	COMPASS	CPUOP	0,650,123,SB-B+A	COMPASS	18645	I
36	-CPS064					
37	COMPASS	CPUOP	0,750,123,SX-B+A	COMPASS	18646	I
38	-CPS064					
39	COMPASS	CPUOP	0,560,120,SAB	COMPASS	18647	I
40	-CPS064					
41	COMPASS	CPUOP	0,660,120,SBB	COMPASS	18648	I
42	-CPS064					
43	COMPASS	CPUOP	0,760,120,SXB	COMPASS	18649	I
44	-CPS064					
45	COMPASS	CPUOP	0,560,132,SAB+B	COMPASS	18650	I
46	-CPS064					
47	COMPASS	CPUOP	0,660,132,SBB+B	COMPASS	18651	I
48	-CPS064					
49	COMPASS	CPUOP	0,760,132,SXB+B	COMPASS	18652	I
50	-CPS064					
51	COMPASS	CPUOP	0,570,102,SA-B	COMPASS	18653	I

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1412THE

LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS064

1	COMPASS	-CPS064	CPUOP	0,670,102,SB-B	COMPASS	18654	I	1
2		-CPS064						2
3	COMPASS	-CPS064	CPUOP	0,770,102,SX-B	COMPASS	18655	I	3
4		-CPS064						4
5	COMPASS	-CPS064	CPUOP	0,570,132,SAB-B	COMPASS	18656	I	5
6		-CPS064						6
7	COMPASS	-CPS064	CPUOP	0,670,132,SBB-B	COMPASS	18657	I	7
8		-CPS064						8
9	COMPASS	-CPS064	CPUOP	0,770,132,SXB-B	COMPASS	18658	I	9
10		-CPS064						10
11	COMPASS	-CPS064	CPUOP	0,570,123,SA-B+B	COMPASS	18659	I	11
12		-CPS064						12
13	COMPASS	-CPS064	CPUOP	0,670,123,SB-B+B	COMPASS	18660	I	13
14		-CPS064						14
15	COMPASS	-CPS064	CPUOP	0,770,123,SX-B+B	COMPASS	18661	I	15
16		-CPS064						16
17	COMPASS	-CPS064			COMPASS	18662	I	17
18		-CPS064						18
19	COMPASS	*	6600	CP OPCODES.	COMPASS	18663	I	19
20		-CPS064						20
21	COMPASS	-CPS064			COMPASS	18664	I	21
22		-CPS064						22
23	COMPASS	-CPS064	CPUOP	7,000,000,PS	COMPASS	18665	I	23
24		-CMP30						24
25	COMPASS	-CMP30	CPUOP	7,000,000,PSQ	COMPASS	18666	I	25
26		-CMP30						26
27	COMPASS	M.	SET	1	CMP30	6013	I	27
28		-CPS064						28
29	COMPASS	-CPS064	CPUOP	3,011,020,REB	COMPASS	18667	I	29
30		-CPS064						30
31	COMPASS	-CPS064	CPUOP	3,011,000,REQ	COMPASS	18668	I	31
32		-CPS064						32
33	COMPASS	-CPS064	CPUOP	3,011,020,REBQ	COMPASS	18669	I	33
34		-CPS064						34
35	COMPASS	-CPS064	CPUOP	3,012,020,WEB	COMPASS	18670	I	35
36		-CPS064						36
37	COMPASS	-CPS064	CPUOP	3,012,000,WEQ	COMPASS	18671	I	37
38		-CPS064						38
39	COMPASS	-CPS064	CPUOP	3,012,020,WEBQ	COMPASS	18672	I	39
40		-CPS064						40
41	COMPASS	-CPS064	CPUOP	7,013,000,XJ	COMPASS	18673	I	41
42		-CPS064						42
43	COMPASS	-CPS064	CPUOP	7,013,020,XJB	COMPASS	18674	I	43
44		-CPS064						44
45	COMPASS	-CPS064	CPUOP	7,013,000,XJQ	COMPASS	18675	I	45
46		-CPS064						46
47	COMPASS	-CPS064	CPUOP	7,013,020,XJBQ	COMPASS	18676	I	47
48		-CPS064						48
49	COMPASS	-CPS064			COMPASS	18677	I	49
50		-CPS064						50
51	COMPASS	*	7600	CP OPCODES.	COMPASS	18678	I	51
52								52

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1412THE



LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS064

1	COMPASS	-CPS064								COMPASS	18679	I	1
2		M.	SET	2									2
3	COMPASS									CMP30	6014	I	3
4		-CPS064											4
5	COMPASS		CPUOP	4,000,000,ES						COMPASS	18680	I	5
6		-CPS064											6
7	COMPASS		CPUOP	4,000,000,ESQ						COMPASS	18681	I	7
8		-CPS064											8
9	COMPASS		CPUOP	1,011,000,RLQ						COMPASS	18682	I	9
10		-CPS064											10
11	COMPASS		CPUOP	1,011,020,RLB						COMPASS	18683	I	11
12		-CPS064											12
13	COMPASS		CPUOP	1,011,020,RLBQ						COMPASS	18684	I	13
14		-CPS064											14
15	COMPASS		CPUOP	1,012,000,WLQ						COMPASS	18685	I	15
16		-CPS064											16
17	COMPASS		CPUOP	1,012,020,WLB						COMPASS	18686	I	17
18		-CPS064											18
19	COMPASS		CPUOP	1,012,020,WLBQ						COMPASS	18687	I	19
20		-CPS064											20
21	COMPASS		CPUOP	5,013,000,MJQ						COMPASS	18688	I	21
22		-CPS064											22
23	COMPASS		CPUOP	5,013,020,MJB						COMPASS	18689	I	23
24		-CPS064											24
25	COMPASS		CPUOP	5,013,020,MJBQ						COMPASS	18690	I	25
26		-CPS064											26
27	COMPASS		CPUOP	4,013,000,MJ						COMPASS	18691	I	27
28		-CPS064											28
29	COMPASS		CPUOP	0,014,012,RXX						COMPASS	18692	I	29
30		-CPS064											30
31	COMPASS		CPUOP	0,015,012,WXX						COMPASS	18693	I	31
32		-CPS064											32
33	COMPASS		CPUOP	0,016,010,TB						COMPASS	18694	I	33
34		-CPS064											34
35	COMPASS		CPUOP	0,016,010,TBQ						COMPASS	18695	I	35
36		-CPS064											36
37	COMPASS		CPUOP	0,016,002,RIB						COMPASS	18696	I	37
38		-CPS064											38
39	COMPASS		CPUOP	0,016,012,IBB						COMPASS	18697	I	39
40		-CPS064											40
41	COMPASS		CPUOP	0,017,002,ROB						COMPASS	18698	I	41
42		-CPS064											42
43	COMPASS		CPUOP	0,017,012,0BB						COMPASS	18699	I	43
44		-CPS064											44
45	COMPASS		LIST	*						CMP30	6015	I	45
46		-CPS064											46
47	COMPASS	PSEUDO	SPACE	4						COMPASS	18700	I	47
48		-CPS064											48
49	COMPASS	****	PSEUDO	OPERATIONS.						COMPASS	18701	I	49
50		-CPS064											50
51	COMPASS	PSEUDO	SPACE	4						COMPASS	18702	I	51
52													52
53		0	1	2	3	4	5	6	7	8			53
54		123456789012345678901234567890123456789012345678901234567890											54
55													55
56													56
57													57
58													58
59													59
60													60

LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

1	COMPASS	**	FIRST CARD GROUP ONLY.	COMPASS	18703	I	1
2		-CPS064					2
3	COMPASS			COMPASS	18704	I	3
4		-CPS064					4
5	COMPASS			COMPASS	18705	I	5
6		-CPS064					6
7	COMPASS		PSEUDO 5,ABS	COMPASS	18706	I	7
8		-CPS064					8
9	COMPASS		PSEUD 5,MACHINE,MCH,MCH	CMP30	6016	I	9
10		-CPS064					10
11	COMPASS		PSEUDO 5,PERIPH	COMPASS	18707	I	11
12		-CPS064					12
13	COMPASS		PSEUDO 5,PPU	COMPASS	18708	I	13
14		-CPS064					14
15	COMPASS		PSEUDO 5,STEXT	COMPASS	18709	I	15
16		-CPS064					16
17	COMPASS	PSEUDO	SPACE 4	COMPASS	18710	I	17
18		-CPS064					18
19	COMPASS	**	PERMISSIBLE ANYWHERE.	COMPASS	18711	I	19
20		-CPS064					20
21	COMPASS			COMPASS	18712	I	21
22		-CPS064					22
23	COMPASS			COMPASS	18713	I	23
24		-CPS064					24
25	COMPASS		PSEUDO 4,BASE	COMPASS	18714	I	25
26		-CPS064					26
27	COMPASS		PSEUD 4,B1=1,B1=1.,.B1=1	COMPASS	18715	I	27
28		-CPS064					28
29	COMPASS		PSEUDO 4,B7=1	COMPASS	18716	I	29
30		-CPS064					30
31	COMPASS		PSEUD 4,CHAR,CHAR.,CHAR.	CPS011	93	I	31
32		-CPS064					32
33	COMPASS		PSEUDO 4,CODE	COMPASS	18717	I	33
34		-CPS064					34
35	COMPASS		PSEUDO 4,COMMENT	COMPASS	18718	I	35
36		-CPS064					36
37	COMPASS		PSEUDO 4,CPOP	COMPASS	18719	I	37
38		-CPS064					38
39	COMPASS		PSEUDO 4,CPSYN	COMPASS	18720	I	39
40		-CPS064					40
41	COMPASS		PSEUDO 4,DECMIC	COMPASS	18721	I	41
42		-CPS064					42
43	COMPASS		PSEUDO 4,EJECT	COMPASS	18722	I	43
44		-CPS064					44
45	COMPASS		PSEUDO 4,ENDD	COMPASS	18723	I	45
46		-CPS064					46
47	COMPASS		PSEUDO 4,ENDM	COMPASS	18724	I	47
48		-CPS064					48
49	COMPASS		PSEUDO 4,HERE	COMPASS	18725	I	49
50		-CPS064					50
51	COMPASS		PSEUDO 4,IFC	COMPASS	18726	I	51
52							52
53		0	1	2	3	4	5
54		123456789012345678901234567890123456789012345678901234567890					6
55							7
56							8
57							
58							
59							
60							

LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS064

1	COMPASS	PSEUDO 4,IRP	COMPASS	18727	I
2	-CPS064				
3	COMPASS	PSEUDO 4,LIST	COMPASS	18728	I
4	-CPS064				
5	COMPASS	PSEUDO 4,MACRO	COMPASS	18729	I
6	-CPS064				
7	COMPASS	PSEUDO 4,MACROE	COMPASS	18730	I
8	-CPS064				
9	COMPASS	PSEUDO 4,MICCNT	COMPASS	18731	I
10	-CPS064				
11	COMPASS	PSEUDO 4,MICRO	COMPASS	18732	I
12	-CPS064				
13	COMPASS	PSEUDO 4,NIL	COMPASS	18733	I
14	-CPS064				
15	COMPASS	PSEUDO 4,NOLABEL	COMPASS	18734	I
16	-CPS064				
17	COMPASS	PSEUDO 4,NOREF	COMPASS	18735	I
18	-CPS064				
19	COMPASS	PSEUDO 4,OCTMIC	COMPASS	18736	I
20	-CPS064				
21	COMPASS	PSEUDO 4,OPDEF	COMPASS	18737	I
22	-CPS064				
23	COMPASS	PSEUDO 4,OPSYN	COMPASS	18738	I
24	-CPS064				
25	COMPASS	PSEUDO 4,PPOP	COMPASS	18739	I
26	-CPS064				
27	COMPASS	PSEUDO 4,PURGDEF	CMP6	82	I
28	-CPS064				
29	COMPASS	PSEUDO 4,PURGMAC	COMPASS	18740	I
30	-CPS064				
31	COMPASS	PSEUDO 4,QUAL	COMPASS	18741	I
32	-CPS064				
33	COMPASS	PSEUDO 4,RMT	COMPASS	18742	I
34	-CPS064				
35	COMPASS	PSEUDO 4,SKIP	COMPASS	18743	I
36	-CPS064				
37	COMPASS	PSEUDO 4,SPACE	COMPASS	18744	I
38	-CPS064				
39	COMPASS	PSEUDO 4,SST	COMPASS	18745	I
40	-CPS064				
41	COMPASS	PSEUDO 4,TITLE	COMPASS	18746	I
42	-CPS064				
43	COMPASS	PSEUDO 4,TTL	COMPASS	18747	I
44	-CPS064				
45	COMPASS	PSEUDO 4,XREF	COMPASS	18748	I
46	-CPS064				
47	COMPASS	PSEUD 4,( ),BLNKOP,BLNKOP	COMPASS	18749	I
48	-CPS064				
49	COMPASS	PSEUDO SPACE 4	COMPASS	18750	I
50	-CPS064				
51	COMPASS	** PROCESS WHILE IF SKIPPING.	COMPASS	18751	I

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-CPS064

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS064

1	COMPASS	PSEUDO 2,ERRMI	CMP30	6021	I
2	-CPS064				
3	COMPASS	PSEUDO 2,ERRNG	COMPASS	18774	I
4	-CPS064				
5	COMPASS	PSEUDO 2,ERRNZ	COMPASS	18775	I
6	-CPS064				
7	COMPASS	PSEUDO 2,ERRPL	COMPASS	18776	I
8	-CPS064				
9	COMPASS	PSEUDO 2,ERRZR	COMPASS	18777	I
10	-CPS064				
11	COMPASS	PSEUDO 2,EXT	COMPASS	18778	I
12	-CPS064				
13	COMPASS	PSEUDO 2,IF	COMPASS	18779	I
14	-CPS064				
15	COMPASS	PSEUDO 2,IFCP	COMPASS	18780	I
16	-CPS064				
17	COMPASS	PSEUDO 2,IFCP6	CMP30	6022	I
18	-CPS064				
19	COMPASS	PSEUDO 2,IFCP7	CMP30	6023	I
20	-CPS064				
21	COMPASS	PSEUDO 2,IFEQ	COMPASS	18781	I
22	-CPS064				
23	COMPASS	PSEUDO 2,IFGE	COMPASS	18782	I
24	-CPS064				
25	COMPASS	PSEUDO 2,IFGT	COMPASS	18783	I
26	-CPS064				
27	COMPASS	PSEUDO 2,IFLE	COMPASS	18784	I
28	-CPS064				
29	COMPASS	PSEUDO 2,IFLT	COMPASS	18785	I
30	-CPS064				
31	COMPASS	PSEUDO 2,IFMI	CMP30	6024	I
32	-CPS064				
33	COMPASS	PSEUDO 2,IFNE	COMPASS	18786	I
34	-CPS064				
35	COMPASS	PSEUDO 2,IFPL	CMP30	6025	I
36	-CPS064				
37	COMPASS	PSEUDO 2,IFPP	COMPASS	18787	I
38	-CPS064				
39	COMPASS	PSEUDO 2,IFPP6	CMP30	6026	I
40	-CPS064				
41	COMPASS	PSEUDO 2,IFPP7	CMP30	6027	I
42	-CPS064				
43	COMPASS	PSEUDO 2,LCC	COMPASS	18788	I
44	-CPS064				
45	COMPASS	PSEUDO 2,LOC	COMPASS	18789	I
46	-CPS064				
47	COMPASS	PSEUDO 2,LIT	COMPASS	18790	I
48	-CPS064				
49	COMPASS	PSEUDO 2,MAX	COMPASS	18791	I
50	-CPS064				
51	COMPASS	PSEUDO 2,MD	CMP30	6028	I

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS064

1	COMPASS	PSEUDO 2,MIN	COMPASS	18792	I	1
2	-CPS064					2
3	COMPASS	PSEUDO 2,ORG	COMPASS	18793	I	3
4	-CPS064					4
5	COMPASS	PSEUDO 2,ORGC	CMP30	6029	I	5
6	-CPS064					6
7	COMPASS	PSEUDO 2,IDENT	COMPASS	18794	I	7
8	-CPS064					8
9	COMPASS	PSEUDO 2,POS	COMPASS	18795	I	9
10	-CPS064					10
11	COMPASS	PSEUDO 2,REP	COMPASS	18796	I	11
12	-CPS064					12
13	COMPASS	PSEUDO 2,REPC	CMP30	6030	I	13
14	-CPS064					14
15	COMPASS	PSEUDO 2,REPI	COMPASS	18797	I	15
16	-CPS064					16
17	COMPASS	PSEUDO 2,R=	COMPASS	18798	I	17
18	-CPS064					18
19	COMPASS	PSEUDO 2,SEG	COMPASS	18799	I	19
20	-CPS064					20
21	COMPASS	PSEUDO 2,SEGMENT	COMPASS	18800	I	21
22	-CPS064					22
23	COMPASS	PSEUDO 2,SET	COMPASS	18801	I	23
24	-CPS064					24
25	COMPASS	PSEUDO 2,STOPDUP	COMPASS	18802	I	25
26	-CPS064					26
27	COMPASS	PSEUDO 2,USE	COMPASS	18803	I	27
28	-CPS064					28
29	COMPASS	PSEUDO 2,USELCM	COMPASS	18804	I	29
30	-CPS064					30
31	COMPASS	PSEUDO 2,VFD	COMPASS	18805	I	31
32	-CPS064					32
33	COMPASS	PSEUDO 2,XTEXT	COMPASS	18806	I	33
34	-CPS064					34
35	COMPASS	PSEUD 2,=,EQU,EQU	COMPASS	18807	I	35
36	-CPS064					36
37	COMPASS	****	COMPASS	18808	I	37
38	-CPS064					38
39	COMPASS	LGOPS EQU *-OPS	COMPASS	18809	I	39
40	-CPS064					40
41	COMPASS	BASE DECIMAL	COMPASS	18810	I	41
42	-CPS064					42
43	COMPASS	PASS0 EJECT	COMPASS	18811	I	43
44	-CPS064					44
45	COMPASS	** PASS0 - INITIALIZE COMPASS.	COMPASS	18812	I	45
46	-CPS064					46
47	COMPASS	* ENTRY (A0) = FIELD LENGTH.	COMPASS	18813	I	47
48	-CMP30					48
49	COMPASS		COMPASS	18814	I	49
50	-CPS064					50
51	COMPASS		COMPASS	18815	I	51

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS064

1	COMPASS	PASS0	PS	RETURN EXIT	COMPASS	18816	I	1
2		-CMP30						2
3	COMPASS		SX6	A0	COMPASS	18817	I	3
4		-CMP30		RECORD ORIGINAL FIELD LENGTH				4
5	COMPASS		MX7	0	COMPASS	18818	I	5
6		-CMP30						6
7	COMPASS		SB7	BUCKET+10	COMPASS	18819	I	7
8		-CMP30						8
9	COMPASS		SA6	FIELDL	COMPASS	18820	I	9
10		-CMP30						10
11	COMPASS		SX6	A0-10	COMPASS	18821	I	11
12		-CMP30						12
13	COMPASS		SA6	O.ENDTAB	COMPASS	18822	I	13
14		-CMP30						14
15	COMPASS		SB7	A0-B7	COMPASS	18823	I	15
16		-CMP30						16
17	COMPASS		SX6	B7	COMPASS	18824	I	17
18		-CMP30		SET STORAGE LIMIT				18
19	COMPASS		PL	B7,COMPASS0 JUMP IF INITIAL ROOM	COMPASS	18825	I	19
20		-CMP30						20
21	COMPASS			MESSAGE (=C* INSUFFICIENT STORAGE. JOB ABORTED.*)	COMPASS	18826	I	21
22		-CMP30						22
23	COMPASS		EQ	ABORT	COMPASS	18827	I	23
24		-CMP30						24
25	COMPASS	COMPASS0	SA6	SIZCORE	COMPASS	18828	I	25
26		-CMP30						26
27	COMPASS		RJ	SFP	COMPASS	18829	I	27
28		-CMP30		SET FILE PARAMETERS				28
29	COMPASS		RJ	CTM	COMPASS	18830	I	29
30		-CMP30		CHECK MACHINE TYPE				30
31	COMPASS		IFNE	DEBUG,0,1	CMP14	525	I	31
32		-CMP30		READ DEBUGGING DIRECTIVES				32
33	COMPASS		RJ	/DEBUG/RDD	CMP14	526	I	33
34		-CMP30						34
35	COMPASS		SA1	INBUF	COMPASS	18831	I	35
36		-CMP30						36
37	COMPASS		NZ	X1,COMPASS1 IF CALL FROM FORTRAN	COMPASS	18832	I	37
38		-CMP30						38
39	COMPASS		READ	I	COMPASS	18833	I	39
40		-CMP30		START READ OF FILE				40
41	COMPASS				COMPASS	18834	I	41
42		-CMP30						42
43	COMPASS	*		CREATE LINKAGE INTO BINARY BUFFERS	COMPASS	18835	I	43
44		-CMP30						44
45	COMPASS				COMPASS	18836	I	45
46		-CMP30						46
47	COMPASS	COMPASS1	SA1	PUNCH	COMPASS	18837	I	47
48		-CMP30		CHECK FOR RUN(P) OPTION				48
49	COMPASS		MX0	42	COMPASS	18838	I	49
50		-CMP30						50
51	COMPASS		NZ	X1,*+1	COMPASS	18839	I	51
52								52
53		0	1	2	3	4	5	6
54		1234567890123456789012345678901234567890123456789012345678901234567890						7
55								8
56								
57								
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP30

1	COMPASS	-CMP30	SA1	BINARY	COMPASS	18840	I
2	COMPASS	-CMP30	BX2	X0*X1	COMPASS	18841	I
3	COMPASS	-CMP30	SX5	3	COMPASS	18842	I
4	COMPASS	-CMP30	SX6	B0	COMPASS	18843	I
5	COMPASS	-CMP30	ZR	X2,*+1	COMPASS	18844	I
6	COMPASS	-CMP30	IX6	X2+X5	COMPASS	18845	I
7	COMPASS	+	SA6	B	COMPASS	18846	I
8	COMPASS	-CMP30	SA1	LISTFG	COMPASS	18847	I
9	COMPASS	-CMP30	SX6	B1	COMPASS	18848	I
10	COMPASS	-CMP30	BX6	X1*X6	COMPASS	18849	I
11	COMPASS	-CMP30	SA6	A1	COMPASS	18850	I
12	COMPASS	-CMP30	SA1	ACTR	COMPASS	18851	I
13	COMPASS	+	-CMP30	SET FORTRAN MODE	COMPASS	18852	I
14	COMPASS	-CMP30	SX6	B1	COMPASS	18853	I
15	COMPASS	-CMP30	LX1	18	COMPASS	18854	I
16	COMPASS	-CMP30	SX7	X1-3RFTN	COMPASS	18855	I
17	COMPASS	-CMP30	SX5	X1-3RCOM	COMPASS	18856	I
18	COMPASS	+	NZ	X7,*+1	COMPASS	18857	I
19	COMPASS	-CMP30	SX6	2	COMPASS	18858	I
20	COMPASS	-CMP30	NZ	X5,*+1	COMPASS	18859	I
21	COMPASS	-CMP30	SX6	0	COMPASS	18860	I
22	COMPASS	-CMP30	SA1	BATCH	CMP15	30	I
23	COMPASS	-CMP30	BX6	X1	CMP15	31	I
24	COMPASS	+	PL	X1,*+1	CMP15	32	I
25	COMPASS	-CMP30	BX1	-X1	CMP15	33	I
26	COMPASS	-CMP30	SX6	X1+B1	CMP15	34	I
27	COMPASS	-CMP30	SA6	FMODE	COMPASS	18860	I

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP30

1	COMPASS		MANAGE OPTAB,2*NOPCT	GET BASIC OP CODE TABLE	COMPASS	18861	I
2		-CMP30					
3	COMPASS		IX3	X2+X3 CLEAR IT OUT	COMPASS	18862	I
4		-CMP30					
5	COMPASS		MX1	0	COMPASS	18863	I
6		-CMP30					
7	COMPASS		RJ	PRESET	COMPASS	18864	I
8		-CMP30					
9	COMPASS		SX6	LGOPS/2-1	COMPASS	18865	I
10		-CMP30					
11	COMPASS		SX7	OPS	COMPASS	18866	I
12		-CMP30					
13	COMPASS		SA6	EXVAL	COMPASS	18867	I
14		-CMP30					
15	COMPASS		SA7	A6+B1 CREATE BASIC OPCODE TABLE	COMPASS	18868	I
16		-CMP30					
17	COMPASS	CMP3A	SA4	EXVAL+1	COMPASS	18869	I
18		-CMP30					
19	COMPASS		SA1	X4	COMPASS	18870	I
20		-CMP30					
21	COMPASS		SA2	X4+B1	COMPASS	18871	I
22		-CMP30					
23	COMPASS		SX6	A2+B1	COMPASS	18872	I
24		-CMP30					
25	COMPASS		SA6	A4	COMPASS	18873	I
26		-CMP30					
27	COMPASS		RJ	ENTOP	COMPASS	18874	I
28		-CMP30					
29	COMPASS		SA1	EXVAL	COMPASS	18875	I
30		-CMP30					
31	COMPASS		SX6	X1-1	COMPASS	18876	I
32		-CMP30					
33	COMPASS		SA6	A1	COMPASS	18877	I
34		-CMP30					
35	COMPASS		NZ	X1,CMP3A	COMPASS	18878	I
36		-CMP30					
37	COMPASS		SA1	SYSTEXT CHECK FOR SUPPRESSION OF SYSTEMS	COMPASS	18879	I
38		-CMP8	-CMP30				
39	COMPASS		LX1	6 MACROS	COMPASS	18880	I
40		-CMP8	-CMP30				
41	COMPASS		MX0	54	COMPASS	18881	I
42		-CMP8	-CMP30				
43	COMPASS		BX2	-X0*X1	COMPASS	18882	I
44		-CMP8	-CMP30				
45	COMPASS		SB7	X2-1R0	COMPASS	18883	I
46		-CMP8	-CMP30				
47	COMPASS		ZR	B7,SYSX1	COMPASS	18884	I
48		-CMP8	-CMP30				
49	COMPASS		SA1	GFLG CHECK G PARAMETER	CMP8	5	I
50		-CMP30					
51	COMPASS		BX6	X1	CMP8	6	I

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP30

1	COMPASS	-CMP30	LX1	18		CMP8	7	I	1
2		-CMP30							2
3	COMPASS		SB7	X1-1L0		CMP8	8	I	3
4		-CMP30							4
5	COMPASS		ZR	B7,CMP3C	IF OMITTED OR *G=0* SPECIFIED	CMP8	9	I	5
6		-CMP30							6
7	COMPASS		RJ	LGT	LOAD G-TYPE SYSTEM TEXT	CMP8	10	I	7
8		-CMP30							8
9	COMPASS		ZR	X0,LST	IF TEXT LOADED	CMP8	11	I	9
10		-CMP30							10
11	COMPASS		EQ	CMP4		CMP8	12	I	11
12		-CMP30							12
13	COMPASS	CMP3C	SA1	SYSTEXT	CHECK S PARAMETER	CMP8	13	I	13
14		-CMP30							14
15	COMPASS		BX6	X1		CMP27	34	I	15
16		-CMP30							16
17	COMPASS		LX1	18		CMP8	14	I	17
18		-CMP30							18
19	COMPASS		SA6	SYSNAME	SAVE IT	CMP27	35	I	19
20		-CMP30							20
21	COMPASS		SB7	X1-1L0		CMP8	15	I	21
22		-CMP30							22
23	COMPASS		ZR	B7,SYSX1	IF *S=0* SPECIFIED	CMP8	16	I	23
24		-CMP30							24
25	COMPASS		RJ	MTD	MOVE TABLES DOWN TO GET ROOM	COMPASS	18885	I	25
26		-CMP30							26
27	COMPASS		SA1	SYSTEXT	LOAD SYSTEMS TEXT	COMPASS	18886	I	27
28		-CMP30							28
29	COMPASS		SA2	=01010140BS36		COMPASS	18887	I	29
30		-CMP30							30
31	COMPASS		SA4	GFLG		COMPASS	18888	I	31
32		-CMP8	-CMP30						32
33	COMPASS		ZR	X4,CMP3C	IF SYSTEM LOAD	COMPASS	18889	I	33
34		-CMP8	-CMP30						34
35	COMPASS		RJ	LGT	LOAD G-TYPE SYSTEMS TEXT	COMPASS	18890	I	35
36		-CMP8	-CMP30						36
37	COMPASS		ZR	X0,LST	IF TEXT LOADED	COMPASS	18891	I	37
38		-CMP8	-CMP30						38
39	COMPASS		EQ	CMP4		COMPASS	18892	I	39
40		-CMP8	-CMP30						40
41	COMPASS	CMP3C	SA3	0.MEMORY		COMPASS	18893	I	41
42		-CMP8	-CMP30						42
43	COMPASS		SA3	0.MEMORY	FWA FOR LOAD	CMP8	17	I	43
44		-CMP30							44
45	COMPASS		LX6	X1		COMPASS	18894	I	45
46		-CMP30							46
47	COMPASS		BX7	X2+X3		COMPASS	18895	I	47
48		-CMP30							48
49	COMPASS		SA6	LSTA		COMPASS	18896	I	49
50		-CMP30							50
51	COMPASS		SA7	A6+B1		COMPASS	18897	I	51

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP30

1	COMPASS	-CMP30	MX6	0		COMPASS	18898	I	1
2		-CMP30							2
3	COMPASS		SA6	LDRCELL	CLEAR LOADER REPLY CELL	COMPASS	18899	I	3
4		-CMP30							4
5	COMPASS		SYSTEM	LDR,,A7-B1		COMPASS	18900	I	5
6		-CMP20	-CMP30						6
7	COMPASS		SYSTEM	LDV,,A7-B1		CMP20	382	I	7
8		-CMP30							8
9	COMPASS	CMP3B	RECALL			COMPASS	18901	I	9
10		-CMP30							10
11	COMPASS		SA1	LDRCELL		COMPASS	18902	I	11
12		-CMP30							12
13	COMPASS		ZR	X1,CMP3B	WAIT FOR LDR	COMPASS	18903	I	13
14		-CMP30							14
15	COMPASS		SA1	LSTA+1		COMPASS	18904	I	15
16		-CMP30							16
17	COMPASS		LX1	59-36		COMPASS	18905	I	17
18		-CMP30							18
19	COMPASS		PL	X1,LST	IF PROGRAM LOADED	COMPASS	18906	I	19
20		-CMP30							20
21	COMPASS	CMP4	MESSAGE	(=C* NO SYSTEM TEXT FOUND.*)		COMPASS	18907	I	21
22		-CMP30							22
23	COMPASS		EQ	SYSX1		COMPASS	18908	I	23
24		-CMP30							24
25	COMPASS	LST	SPACE	4		COMPASS	18909	I	25
26		-CMP30							26
27	COMPASS	**	LST	-	LOAD SYSTEM TEXT TABLES.	COMPASS	18910	I	27
28		-CMP30							28
29	COMPASS					COMPASS	18911	I	29
30		-CMP30							30
31	COMPASS					COMPASS	18912	I	31
32		-CMP30							32
33	COMPASS	LST	SA3	0.MEMORY		COMPASS	18913	I	33
34		-CMP30							34
35	COMPASS		SA2	X3+B1	READ SYSTEM SYMBOL LENGTH	COMPASS	18914	I	35
36		-CMP30							36
37	COMPASS		BX1	X2		COMPASS	18915	I	37
38		-CMP30							38
39	COMPASS		AX2	18		COMPASS	18916	I	39
40		-CMP30							40
41	COMPASS		NZ	X2,SYS2	IF ACTUAL TEXT	COMPASS	18917	I	41
42		-CMP30							42
43	COMPASS		SB2	X1+B1	FIND END OF OVERLAY	COMPASS	18918	I	43
44		-CMP30							44
45	COMPASS		SA4	FIELDL		COMPASS	18919	I	45
46		-CMP042	-CMP30						46
47	COMPASS		SA4	0.ENDTAB		CMP042	284	I	47
48		-CMP30							48
49	COMPASS		SB3	X4		COMPASS	18920	I	49
50		-CMP30							50
51	COMPASS		SB2	A2+B2		COMPASS	18921	I	51
52									52

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP30

1	COMPASS	GE	B2,B3,SYS2	IF BAD SYSTEXT	COMPASS	18922	I
2	-CMP30						
3	COMPASS	NG	B2,SYS2		CMP13	1	I
4	-CMP30						
5	COMPASS	SA2	B2	MACRO SKELETON LENGTH	COMPASS	18923	I
6	-CMP30						
7	COMPASS	SB2	X2+B1		COMPASS	18924	I
8	-CMP30						
9	COMPASS	SB2	A2+B2		COMPASS	18925	I
10	-CMP30						
11	COMPASS	GE	B2,B3,SYS2	IF BAD SYSTEXT	COMPASS	18926	I
12	-CMP30						
13	COMPASS	NG	B2,SYS2		CMP13	2	I
14	-CMP30						
15	COMPASS	SA2	B2	MACRO NAME LENGTH	COMPASS	18927	I
16	-CMP30						
17	COMPASS	SB2	X2+B1		COMPASS	18928	I
18	-CMP30						
19	COMPASS	SB2	A2+B2		COMPASS	18929	I
20	-CMP30						
21	COMPASS	GE	B2,B3,SYS2	IF BAD SYSTEXT	COMPASS	18930	I
22	-CMP30						
23	COMPASS	NG	B2,SYS2		CMP13	3	I
24	-CMP30						
25	COMPASS	SA2	B2	MICRO LENGTH	COMPASS	18931	I
26	-CMP30						
27	COMPASS	SB2	X2+B1		COMPASS	18932	I
28	-CMP30						
29	COMPASS	SB2	A2+B2	END OF TABLE	COMPASS	18933	I
30	-CMP30						
31	COMPASS	GE	B2,B3,SYS2	IF BAD SYSTEXT	COMPASS	18934	I
32	-CMP30						
33	COMPASS	NG	B2,SYS2		CMP13	4	I
34	-CMP30						
35	COMPASS	SX6	B2		COMPASS	18935	I
36	-CMP30						
37	COMPASS	IX6	X6-X3		COMPASS	18936	I
38	-CMP30						
39	COMPASS	SA6	L.MEMORY		COMPASS	18937	I
40	-CMP30						
41	COMPASS	MANAGE	SSYMS,X1		COMPASS	18938	I
42	-CMP30						
43	COMPASS	RJ	ASU	ACCUMULATE STORAGE USED	CMP042	285	I
44	-CMP30						
45	COMPASS	SA4	O.MEMORY	LOAD SYSTEM SYMBOLS	CMP042	286	I
46	-CMP30						
47	COMPASS	SA1	L.SSYMS		CMP042	287	I
48	-CMP30						
49	COMPASS	SA3	O.SSYMS		CMP042	288	I
50	-CMP30						
51	COMPASS	SX2	X4+2		CMP042	289	I

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP30

1	COMPASS	-CMP30	ZR	X1,LST0	IF LENGTH IS ZERO	CMP042	290	I	1
2	COMPASS	-CMP30	RJ	MOVE		CMP042	291	I	2
3	COMPASS	-CMP30	RJ	ASU	ACCUMULATE STORAGE USED	CMP042	292	I	3
4	COMPASS	-CMP30	LST0	SA3	L.SSYMS	REDUCE MEMORY	CMP042	293	I
5	COMPASS	-CMP30	SA4	O.MEMORY		COMPASS	18939	I	4
6	COMPASS	-CMP30	SA5	L.MEMORY		COMPASS	18940	I	5
7	COMPASS	-CMP30	SX6	X3+2		COMPASS	18941	I	6
8	COMPASS	-CMP30	IX7	X4+X6		COMPASS	18942	I	7
9	COMPASS	-CMP30	IX6	X5-X6		COMPASS	18943	I	8
10	COMPASS	-CMP30	SA7	A4		COMPASS	18944	I	9
11	COMPASS	-CMP30	SA6	A5		COMPASS	18945	I	10
12	COMPASS	-CMP30	SEG	INITIALIZATION.		CMP30	6031	I	11
13	COMPASS	-CPS064	PASS0	RJ	CTM	CHECK MACHINE TYPE	CMP30	6032	I
14	COMPASS	-CPS064				CMP30	6033	I	12
15	COMPASS	-CPS028	IFNE	TIMMSG,0,1		CMP30	6034	I	13
16	COMPASS	-CPS028	TIME	BTIME	GET ASSEMBLY BATCH START TIME	CMP30	6035	I	14
17	COMPASS	-CPS064				CMP30	6036	I	15
18	COMPASS	-CPS028	IFNE	CP#IR,0,1		CMP30	6037	I	16
19	COMPASS	-CPS028	RJ	SIR	SET INTERFACE REGION	CMP30	6038	I	17
20	COMPASS	-CPS028				CMP30	6039	I	18
21	COMPASS	-CPS028	SA1	CP.BATCH		CMP30	6040	I	19
22	COMPASS	-CPS064	SA2	CP.PAGE		CMP30	6041	I	20
23	COMPASS	-CPS064	BX3	X1	SET FMODE = ABS (CP.BATCH)	CMP30	6042	I	21
24	COMPASS	-CPS064	AX1	59		CMP30	6043	I	22
25	COMPASS	-CPS064	BX6	X3-X1		CMP30	6044	I	23
26	COMPASS	-CPS064	SX7	B0		CMP30	6045	I	24

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS064

1	COMPASS	-CPS064	MI	X2,CMP8	IF NOT PROPAGATING PAGE NUMBERS	CMP30	6046	I	1
2	COMPASS	-CPS064							2
3	COMPASS	-CPS064	BX7	X2	SET PAGE NUMBER	CMP30	6047	I	3
4		-CPS064							4
5	COMPASS	CMP8	SA6	FMODE		CMP30	6048	I	5
6		-CPS064							6
7	COMPASS	-CPS064	SA7	PGCNT		CMP30	6049	I	7
8		-CPS064							8
9	COMPASS	-CPS064	RJ	SFP	SET FILE PARAMETERS	CMP30	6050	I	9
10		-CPS064							10
11	COMPASS	-CPS064	RJ	SFL	SET FIELD LENGTH	CMP30	6051	I	11
12		-CPS064							12
13	COMPASS	-CPS064	RJ	ZLC	ZERO FIRST 100B OF LCM FIELD LENGTH IF ANY	CMP30	6052	I	13
14		-CPS064							14
15	COMPASS	-CPS064				CMP30	6053	I	15
16		-CPS064							16
17	COMPASS	DEBUG	IFNE	DEBUG,0		CMP30	6054	I	17
18		-CPS064							18
19	COMPASS	-CPS064	RJ	/DEBUG/RDD	READ DEBUGGING DIRECTIVES	CMP30	6055	I	19
20		-CPS064							20
21	COMPASS	-CPS064	SA2	LOCORE		CMP30	6056	I	21
22		-CPS064							22
23	COMPASS	-CPS064	SA3	CP.NFLS	CLEAR MANAGED TABLE AREA	CMP30	6057	I	23
24		-CPS064							24
25	COMPASS	-CPS064	RJ	CLS		CMP30	6058	I	25
26		-CPS064							26
27	COMPASS	DEBUG	ENDIF			CMP30	6059	I	27
28		-CPS064							28
29	COMPASS	-CPS064				CMP30	6060	I	29
30		-CPS064							30
31	COMPASS	-CPS064	SA1	CP.CARD		CMP30	6061	I	31
32		-CPS064							32
33	COMPASS	-CPS064	NZ	X1,CMP9	IF SOURCE CARD READY	CMP30	6062	I	33
34		-CPS064							34
35	COMPASS	-CPS064	MI	X1,CMP9		CMP30	6063	I	35
36		-CPS064							36
37	COMPASS	-CPS064				CMP30	6064	I	37
38		-CPS064							38
39	COMPASS	-CPS064	IFEQ	CP#RM,0,2		CMP30	6065	I	39
40		-CPS064							40
41	COMPASS	-CPS028	RM	IFEQ	CP#RM,0	S028 750 CPS028	553	I	41
42		-CPS064							42
43	COMPASS	-CPS064	READ	I	PRIME THE PUMP	CMP30	6066	I	43
44		-CPS064							44
45	COMPASS	-CPS064	ELSE	1		CMP30	6067	I	45
46		-CPS064							46
47	COMPASS	-CPS028	RM	ELSE		S028 752 CPS028	554	I	47
48		-CPS064							48
49	COMPASS	-CPS064	OPENM	I,INPUT,N		CMP30	6068	I	49
50		-CPS064							50
51	COMPASS	-CPS064	SA1	CP.LISTF		S028 754 CPS028	555	I	51
52		-CPS064							52

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS064

1	COMPASS	-CPS064	ZR	X1,CMP9	IF NO LONG LISTING	S028	755	CPS028	556	I	1
2	COMPASS	-CPS064									2
3	COMPASS	-CPS064	OPENM	O,OUTPUT,N		S028	756	CPS028	557	I	3
4		-CPS064									4
5	COMPASS	RM	ENDIF			S028	757	CPS028	558	I	5
6	COMPASS	-CPS064									6
7	COMPASS	-CPS064						CMP30	6069	I	7
8	COMPASS	-CPS064									8
9	COMPASS	CMP9	RJ	IOT	INITIALIZE OPCODE TABLE			CMP30	6070	I	9
10	COMPASS	-CPS064									10
11	COMPASS	-CPS064	RJ	LST	LOAD SYSTEM TEXT			CMP30	6071	I	11
12	COMPASS	-CPS064									12
13	COMPASS	-CPS064	RJ	OPF	OPEN FILES			CMP30	6072	I	13
14	COMPASS	-CPS064									14
15	COMPASS	-CPS064	SA1	CP.CARD				CMP30	6073	I	15
16	COMPASS	-CPS064									16
17	COMPASS	-CPS064	SX2	I				CMP30	6074	I	17
18	COMPASS	-CPS064									18
19	COMPASS	-CPS064	NZ	X1,CMP1	IF SOURCE CARD READY			CMP30	6075	I	19
20	COMPASS	-CPS064									20
21	COMPASS	-CPS064	MI	X1,CMP1				CMP30	6076	I	21
22	COMPASS	-CPS064									22
23	COMPASS	-CPS064	SA0	A1				CMP30	6077	I	23
24	COMPASS	-CPS064									24
25	COMPASS	-CPS064	RJ	CIF	CHECK INPUT FORMAT			CMP30	6078	I	25
26	COMPASS	-CPS064									26
27	COMPASS	-CPS064	SA1	EOFINP				CMP30	6079	I	27
28	COMPASS	-CPS064									28
29	COMPASS	-CPS064	ZR	X1,CMP1	IF INPUT PRESENT			CMP30	6080	I	29
30	COMPASS	-CPS064									30
31	COMPASS	-CPS064						CMP30	6081	I	31
32	COMPASS	-CPS010									32
33	COMPASS	-CPS064						CPS010	137	I	33
34	COMPASS	-CPS064									34
35	COMPASS	-CPS064	EQ	CMP1	EXIT TO PASS1 OF FIRST ASSEMBLY			CMP30	6082	I	35
36	COMPASS	-CPS064									36
37	COMPASS	-CPS064						CMP30	6083	I	37
38	COMPASS	-CPS064									38
39	COMPASS	CTM	DATA	C*	INPUT FILE EMPTY OR MISPOSITIONED.*			CMP30	6084	I	39
40	COMPASS	-CPS064									40
41	COMPASS	-CPS064	CTM	SPACE	4			CMP30	6085	I	41
42	COMPASS	-CPS064									42
43	COMPASS	**	CTM	-	CHECK MACHINE TYPE.			CMP30	6086	I	43
44	COMPASS	-CPS064									44
45	COMPASS	-CPS064						CMP30	6087	I	45
46	COMPASS	-CPS064									46
47	COMPASS	-CPS064						CMP30	6088	I	47
48	COMPASS	-CPS064									48
49	COMPASS	CTM1	SA1	CTMA				CMP30	6089	I	49
50	COMPASS	-CPS064									50
51	COMPASS	-CPS064	MX6	-3				CMP30	6090	I	51

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS010

1	COMPASS	-CPS010	BX3	-X6*X2		CMP30	6091	I	1
2		-CPS010							2
3	COMPASS	-CPS010	SX6	2R70		CMP30	6092	I	3
4		-CPS064							4
5	COMPASS	-CPS064	IX6	X6+X3		CMP30	6093	I	5
6		-CPS064							6
7	COMPASS	-CPS064	LX3	12		CMP30	6094	I	7
8		-CPS064							8
9	COMPASS	-CPS064	IX7	X1+X3		CMP30	6095	I	9
10		-CPS064							10
11	COMPASS	-CPS064	LX6	48		CMP30	6096	I	11
12		-CPS064							12
13	COMPASS	-CPS064	SA7	TLINE		CMP30	6097	I	13
14		-CPS064							14
15	COMPASS	-CPS064	SA6	CP.CPU		CMP30	6098	I	15
16		-CPS064							16
17	COMPASS	-CPS064				CMP30	6099	I	17
18		-CPS064							18
19	COMPASS	CTM	PS	RETURN EXIT		CMP30	6100	I	19
20		-CPS064							20
21	COMPASS	-CPS064	MX1	1		CPS010	138	I	21
22		-CPS064							22
23	COMPASS	-CPS064	SB2	100B		CPS010	139	I	23
24		-CPS064							24
25	COMPASS	-CPS064	AX1	X1,B2	-0 IF MODEL 76, +0 OTHERWISE	CPS010	140	I	25
26		-CPS064							26
27	COMPASS	-CPS064	SX3	6		CPS010	141	I	27
28		-CPS064							28
29	COMPASS	-CPS064	MI	X1,CTM1	IF MODEL 76	CPS010	142	I	29
30		-CPS064							30
31	COMPASS	-CPS064				CPS010	143	I	31
32		-CPS064							32
33	COMPASS	-CPS064	SX6	0220B	JP B2	CMP30	6101	I	33
34		-CPS064							34
35	COMPASS	-CPS064	SB2	CTM1		CMP30	6102	I	35
36		-CPS064							36
37	COMPASS	-CPS064	SX2	643B	MODEL NUMBERS	CMP30	6103	I	37
38		-CPS010							38
39	COMPASS	-CPS010	LX6	48		CMP30	6104	I	39
40		-CPS064							40
41	COMPASS	-CPS064				CPS010	144	I	41
42		-CPS064							42
43	COMPASS	+	SA6	**1	STORE JUMP INSTRUCTION	CMP30	6105	I	43
44		-CPS064							44
45	COMPASS	-CPS064	SX3	3		CPS010	145	I	45
46		-CPS064							46
47	COMPASS	-CPS064				CMP30	6106	I	47
48		-CPS064							48
49	COMPASS	+	AX2	3	JUMP TO CTM1 IF MODEL 72 OR 73	CMP30	6107	I	49
50		-CPS010							50
51	COMPASS	-CPS010	SA6	A6+B1	EXECUTE IF MODEL 74 OR 76	CMP30	6108	I	51
52		-CPS010							52

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1412THE

LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS010

1	COMPASS	-CPS010	JP	**1	VOID STACK IF MODEL 74	CMP30	6109	I	1
2	COMPASS	-CPS010				CMP30	6110	I	2
3	COMPASS	-CPS010				CMP30	6111	I	3
4	COMPASS	-CPS010	AX2	3	JUMP TO CTM1 IF MODEL 74	CMP30	6112	I	4
5	COMPASS	+				CMP30	6113	I	5
6	COMPASS	-CPS010	JP	CTM1	EXECUTE IF MODEL 76	CMP30	6114	I	6
7	COMPASS	-CPS010	SX3	4	JUMP TO CTM1 IF MODEL 72 OR 73	CPS010	146	I	7
8	COMPASS	-CPS064	JP	CTM1	EXECUTE IF MODEL 74	CPS010	147	I	8
9	COMPASS	-CPS064				CMP30	6115	I	9
10	COMPASS	-CPS064				CMP30	6116	I	10
11	COMPASS	-CPS064	CTMA	DATA	H*MODEL 70 A*	CMP30	6117	I	11
12	COMPASS	-CPS064	IOT	SPACE	4	CMP30	6118	I	12
13	COMPASS	**			IOT - INITIALIZE OPCODE TABLE.	CMP30	6119	I	13
14	COMPASS	-CPS064				CMP30	6120	I	14
15	COMPASS	-CPS064				CMP30	6121	I	15
16	COMPASS	-CPS064	PS		RETURN EXIT	CMP30	6122	I	16
17	COMPASS	-CPS064	MANAGE	OPTAB,2*NOPCT	ALLOCATE BASIC TABLE AREA	CMP30	6123	I	17
18	COMPASS	-CPS064	IX3	X2+X3		CMP30	6124	I	18
19	COMPASS	-CPS064	RJ	CLS	CLEAR IT	CMP30	6125	I	19
20	COMPASS	-CPS064	SX6	LGOPS-2		CMP30	6126	I	20
21	COMPASS	-CPS064	SA3	EXVAL		CMP30	6127	I	21
22	COMPASS	-CPS064	SA1	OPS+X6	GET NEXT ENTRY	CMP30	6128	I	22
23	COMPASS	-CPS064	SA2	A1+B1		CMP30	6129	I	23
24	COMPASS	-CPS064	SA6	A3		CMP30	6130	I	24
25	COMPASS	-CPS064	RJ	ENTOP	ENTER OPCODE TABLE	CMP30	6131	I	25
26	COMPASS	-CPS064	SA3	EXVAL		CMP30	6132	I	26
27	COMPASS	-CPS064	SX6	X3-2		CMP30	6133	I	27
28	COMPASS	-CPS064	PL	X6,IOT1	LOOP	CMP30	6134	I	28
29	COMPASS	-CPS064	EQ	IOT	RETURN	CMP30	6135	I	29

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-CPS064

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- CPS064

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS064

1	COMPASS	-CPS064	READW	G,X0+B1,A0-B1	READ REMAINDER OF OVERLAY	CMP30	6185	I	1
2	COMPASS	-CPS064							2
3	COMPASS	-CPS064				CMP30	6186	I	3
4		-CPS064							4
5	COMPASS	RM	ELSE			CMP30	6187	I	5
6		-CPS064							6
7	COMPASS	-CPS064				CMP30	6188	I	7
8		-CPS064							8
9	COMPASS	-CPS064	SA3	CP.LIB+X7		CMP30	6189	I	9
10		-CPS064							10
11	COMPASS	-CPS064	BX6	X1-X2		CMP30	6190	I	11
12		-CPS064							12
13	COMPASS	-CPS064	LX7	X3		CMP30	6191	I	13
14		-CPS064							14
15	COMPASS	-CPS064	SA6	EXVAL	SAVE OVERLAY NAME	CMP30	6192	I	15
16		-CPS064							16
17	COMPASS	-CPS064	SA7	GDUM	STORE FILE NAME IN FIT	CMP30	6193	I	17
18		-CPS064							18
19	COMPASS	-CPS064	RJ	MTD	MOVE TABLES DOWN TO GET ROOM	CMP30	6194	I	19
20		-CPS064							20
21	COMPASS	-CPS064	SX1	LGDUM		CMP30	6195	I	21
22		-CPS064							22
23	COMPASS	-CPS064	SX2	GDUM		CMP30	6196	I	23
24		-CPS064							24
25	COMPASS	-CPS064	SX3	G	RE-INITIALIZE FIT	CMP30	6197	I	25
26		-CPS064							26
27	COMPASS	-CPS064	RJ	MOVE		CMP30	6198	I	27
28		-CPS064							28
29	COMPASS	-CPS064	SA1	O.MEMORY		CMP30	6199	I	29
30		-CPS064							30
31	COMPASS	-CPS064	SA2	O.ENDTAB		CMP30	6200	I	31
32		-CPS064							32
33	COMPASS	-CPS064	IX3	X2-X1	AVAILABLE WORDS	CMP30	6201	I	33
34		-CPS064							34
35	COMPASS	-CPS064	IX4	X3+X3		CMP30	6202	I	35
36		-CPS064							36
37	COMPASS	-CPS064	LX3	3	MULTIPLY BY 10	CMP30	6203	I	37
38		-CPS064							38
39	COMPASS	-CPS064	IX4	X3+X4		CMP30	6204	I	39
40		-CPS064							40
41	COMPASS	-CPS064	STORE	G,MRL=X4	SET MAXIMUM RECORD LENGTH	CMP30	6205	I	41
42		-CPS064							42
43	COMPASS	-CPS064	STORE	G,WSA=X1	WORKING STORAGE ADDRESS	CMP30	6206	I	43
44		-CPS064							44
45	COMPASS	-CPS064	STORE	G,DX=LGT8	END OF DATA EXIT	CMP30	6207	I	45
46		-CPS064							46
47	COMPASS	-CPS064	OPENM	G,INPUT,R	OPEN THE FILE WITH REWIND	CMP30	6208	I	47
48		-CPS064							48
49	COMPASS	-CPS064	FETCH	G,RT,X2		CMP30	6209	I	49
50		-CPS064							50
51	COMPASS	-CPS064	SB7	X2-#ST#		CMP30	6210	I	51

0 1 2 3 4 5 6 7 8  
123456789012345678901234567890123456789012345678901234567890

1412THE

LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS064

1	COMPASS	-CPS064	SX6	#EOS#		CMP30	6211	I	1
2		-CPS064							2
3	COMPASS	+	NZ	B7,*+1	IF NOT *S* RECORDS	CMP30	6212	I	3
4		-CPS064							4
5	COMPASS	-CPS064	SX6	X6+#EOR#		CMP30	6213	I	5
6		-CPS064							6
7	COMPASS	-CPS064	SA6	G-1		CMP30	6214	I	7
8		-CPS064							8
9	COMPASS	-CPS064				CMP30	6215	I	9
10		-CPS064							10
11	COMPASS	LGT1	GETP	G,,10	GET FIRST WORD OF SECTION	CMP30	6216	I	11
12		-CPS064							12
13	COMPASS	-CPS064	SA1	O.MEMORY		CMP30	6217	I	13
14		-CPS064							14
15	COMPASS	-CPS064	SA2	X1		CMP30	6218	I	15
16		-CPS064							16
17	COMPASS	-CPS064	LX2	18		CMP30	6219	I	17
18		-CPS064							18
19	COMPASS	-CPS064	SX6	X2-770000B		CMP30	6220	I	19
20		-CPS064							20
21	COMPASS	-CPS064	ZR	X6,LGT5	IF 7700 TABLE	CMP30	6221	I	21
22		-CPS064							22
23	COMPASS	LGT2	GETP	G,,10	SKIP REST OF RECORD	CMP30	6222	I	23
24		-CPS064							24
25	COMPASS	LGT3	FETCH	G,FP,X2		CMP30	6223	I	25
26		-CPS064							26
27	COMPASS	-CPS064	SX0	#EOI#+#EOP#		CMP30	6224	I	27
28		-CPS064							28
29	COMPASS	-CPS064	BX3	X0*X2		CMP30	6225	I	29
30		-CPS064							30
31	COMPASS	-CPS064	SA1	G-1		CMP30	6226	I	31
32		-CPS064							32
33	COMPASS	-CPS064	NZ	X3,LGT4	IF EOI OR EOF	CMP30	6227	I	33
34		-CPS064							34
35	COMPASS	-CPS064	BX4	X1*X2		CMP30	6228	I	35
36		-CPS064							36
37	COMPASS	-CPS064	ZR	X4,LGT2	IF NOT END OF SECTION	CMP30	6229	I	37
38		-CPS064							38
39	COMPASS	-CPS064	EQ	LGT1		CMP30	6230	I	39
40		-CPS064							40
41	COMPASS	LGT4	CLOSEM	G,R	CLOSE WITH REWIND	CMP30	6231	I	41
42		-CPS064							42
43	COMPASS	-CPS064	SX0	B1	INDICATE FAILURE	CMP30	6232	I	43
44		-CPS064							44
45	COMPASS	-CPS064	EQ	LGT	RETURN	CMP30	6233	I	45
46		-CPS064							46
47	COMPASS	LGT5	LX2	6		CMP30	6234	I	47
48		-CPS064							48
49	COMPASS	-CPS064	SX7	X2	WORD COUNT	CMP30	6235	I	49
50		-CPS064							50
51	COMPASS	-CPS064	IX0	X7+X7		CMP30	6236	I	51
52		-CPS064							52

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS064

1	COMPASS	-CPS064	LX7	3	MULTIPLY BY 10	CMP30	6237	I	1
2	COMPASS	-CPS064	IX4	X0+X7		CMP30	6238	I	2
3	COMPASS	-CPS064	GETP	G,,X4	SKIP THE 7700 TABLE	CMP30	6239	I	3
4	COMPASS	-CPS064	SA1	EXVAL		CMP30	6240	I	4
5	COMPASS	-CPS064	SA2	O.MEMORY		CMP30	6241	I	5
6	COMPASS	-CPS064	ZR	X1,LGT6	IF NO OVERLAY NAME SPECIFIED	CMP30	6242	I	6
7	COMPASS	-CPS064	SA3	X2		CMP30	6243	I	7
8	COMPASS	-CPS064	BX6	X3-X1		CMP30	6244	I	8
9	COMPASS	-CPS064	NZ	X6,LGT2	IF WRONG NAME	CMP30	6245	I	9
10	COMPASS	-CPS064	LGT6	GETP	G,,10 READ 5000 TABLE	CMP30	6246	I	10
11	COMPASS	-CPS064	SA3	O.MEMORY		CMP30	6247	I	11
12	COMPASS	-CPS064	SA2	=50000101BS36		CMP30	6248	I	12
13	COMPASS	-CPS064	SA1	X3		CMP30	6249	I	13
14	COMPASS	-CPS064	BX6	X1-X2		CMP30	6250	I	14
15	COMPASS	-CPS064	NZ	X6,LGT2	IF NOT A (1,1) OVERLAY	CMP30	6251	I	15
16	COMPASS	-CPS064	SX3	X3+B1		CMP30	6252	I	16
17	COMPASS	-CPS064	SX4	10		CMP30	6253	I	17
18	COMPASS	-CPS064	STORE	G,DX=LGT9	SET NEW DATA EXIT	CMP30	6254	I	18
19	COMPASS	-CPS064	STORE	G,WSA=X3		CMP30	6255	I	19
20	COMPASS	-CPS064	FETCH	G,MRL,X2		CMP30	6256	I	20
21	COMPASS	-CPS064	IX1	X2-X4		CMP30	6257	I	21
22	COMPASS	-CPS064	STORE	G,MRL=X1		CMP30	6258	I	22
23	COMPASS	-CPS064	GETP	G,,X1	GET REMAINDER OF FIRST RECORD	CMP30	6259	I	23
24	COMPASS	-CPS064	FETCH	G,FP,X1		CMP30	6260	I	24
25	COMPASS	-CPS064	SX0	#EOR#		CMP30	6261	I	25
26	COMPASS	-CPS064	BX6	X0*X1		CMP30	6262	I	26

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS064

1	COMPASS	-CPS064	ZR	X6,LGT9+1	IF NOT AT END OF RECORD	CMP30	6263	I	1
2		-CPS064							2
3	COMPASS	-CPS064	FETCH	G,PTL,X2		CMP30	6264	I	3
4		-CPS064							4
5	COMPASS	-CPS064	LGT7	SX1	1S20/10+1	CMP30	6265	I	5
6		-CPS064							6
7	COMPASS	-CPS064	BX4	X2	RECORD LENGTH IN CHARACTERS	CMP30	6266	I	7
8		-CPS064							8
9	COMPASS	-CPS064	IX3	X1*X2		CMP30	6267	I	9
10		-CPS064							10
11	COMPASS	-CPS064	AX3	20	RECORD LENGTH IN WORDS	CMP30	6268	I	11
12		-CPS064							12
13	COMPASS	-CPS064	FETCH	G,WSA,X1		CMP30	6269	I	13
14		-CPS064							14
15	COMPASS	-CPS064	IX3	X1+X3	ADJUST WSA FOR NEXT GET	CMP30	6270	I	15
16		-CPS064							16
17	COMPASS	-CPS064	STORE	G,WSA=X3		CMP30	6271	I	17
18		-CPS064							18
19	COMPASS	-CPS064	FETCH	G,MRL,X2		CMP30	6272	I	19
20		-CPS064							20
21	COMPASS	-CPS064	IX1	X2-X4	REDUCE MRL	CMP30	6273	I	21
22		-CPS064							22
23	COMPASS	-CPS064	MI	X1,LGT9+1	IF NO MORE ROOM	CMP30	6274	I	23
24		-CPS064							24
25	COMPASS	-CPS064	STORE	G,MRL=X1		CMP30	6275	I	25
26		-CPS064							26
27	COMPASS	-CPS064	GET	G	READ MORE OF SYSTEXT	CMP30	6276	I	27
28		-CPS064							28
29	COMPASS	-CPS064	FETCH	G,RL,X2		CMP30	6277	I	29
30		-CPS064							30
31	COMPASS	-CPS064	EQ	LGT7	LOOP	CMP30	6278	I	31
32		-CPS064							32
33	COMPASS	-CPS064				CMP30	6279	I	33
34		-CPS064							34
35	COMPASS	-CPS064	LGT8	PS	DATA EXIT FOR SKIPPING TO END OF SECTION	CMP30	6280	I	35
36		-CPS064							36
37	COMPASS	-CPS064	EQ	LGT3	PROCESS OF END OF DATA	CMP30	6281	I	37
38		-CPS064							38
39	COMPASS	-CPS064				CMP30	6282	I	39
40		-CPS064							40
41	COMPASS	-CPS064	LGT9	PS	DATA EXIT FOR READING OVERLAY	CMP30	6283	I	41
42		-CPS064							42
43	COMPASS	-CPS064	SA2	G-1		CMP30	6284	I	43
44		-CPS064							44
45	COMPASS	-CPS064	FETCH	G,FP,X1		CMP30	6285	I	45
46		-CPS064							46
47	COMPASS	-CPS064	SX0	#EOI#+#EOP#+X2		CMP30	6286	I	47
48		-CPS064							48
49	COMPASS	-CPS064	BX6	X0*X1		CMP30	6287	I	49
50		-CPS064							50
51	COMPASS	-CPS064	SA6	EXVAL		CMP30	6288	I	51

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS064

1	COMPASS	-CPS064	CLOSEM G,R	CLOSE THE FILE	CMP30	6289	I
2	COMPASS	-CPS064	SA1	EXVAL	CMP30	6290	I
3	COMPASS	-CPS064			CMP30	6291	I
4	COMPASS	-CPS064			CMP30	6292	I
5	COMPASS	-CPS064	RM	ENDIF	CMP30	6293	I
6	COMPASS	-CPS064			CMP30	6294	I
7	COMPASS	-CPS064	SX0	B0	CMP30	6295	I
8	COMPASS	-CPS064	NZ	X1,LGT	CMP30	6296	I
9	COMPASS	-CPS064	EQ	LST7A	CMP30	6297	I
10	COMPASS	-CPS064			CMP30	6298	I
11	COMPASS	-CPS064			CMP30	6299	I
12	COMPASS	-CPS064			CMP30	6300	I
13	COMPASS	-CPS064			CMP30	6301	I
14	COMPASS	-CPS064	GET	FET , ,SBUFL,3	CMP30	6302	I
15	COMPASS	-CPS064			CMP30	6303	I
16	COMPASS	-CPS064	IFEQ	CP#RM,0	CMP30	6304	I
17	COMPASS	-CPS064	G	EQU GET	CMP30	6305	I
18	COMPASS	-CPS064	RM	ELSE	CMP30	6306	I
19	COMPASS	-CPS028	IFC	LT, "MODEL" 75 ,2	CMP30	6307	I
20	COMPASS	-CPS028	G	FILE F0=SQ,BT=C,RT=S,CM=NO,LT=UL,FET=GET,BFS=SBUFL	CMP30	6308	I
21	COMPASS	-CPS028	SKIP	1	CMP30	6309	I
22	COMPASS	-CPS064	IFEQ	CP#RM,6,1	S028 759 CPS028	559	I
23	COMPASS	-CPS064	G	FILE F0=SQ,BT=C,RT=S,CM=NO,LT=UL,FET=GET,BFS=SBUFL,ERL=1	S028 760 CPS028	560	I
24	COMPASS	-CPS064	IFEQ	CP#RM,7,1	S028 761 CPS028	561	I
25	COMPASS	-CPS064	G	FILE F0=SQ,BT=,RT=W,CM=NO,PD=INPUT	CMP30	6310	I
26	COMPASS	-CPS064	BSSZ	GET+40B-*	CMP30	6311	I

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS064

1	COMPASS	-CPS064	SX5	0101014B		CMP30	6335	I	1	
2									2	
3	COMPASS	-CPS064	ZR	X1,LLT1	IF NO LIBRARY NAME SPECIFIED	CMP30	6336	I	3	
4									4	
5	COMPASS	-CPS064	SA2	LLTA		CMP30	6337	I	5	
6									6	
7	COMPASS	-CPS064	BX6	X1		CMP30	6338	I	7	
8									8	
9	COMPASS	-CPS064	LX7	X2		CMP30	6339	I	9	
10									10	
11	COMPASS	-CPS064	SX5	0101214B	SET 3-WORD REQUEST	CMP30	6340	I	11	
12									12	
13	COMPASS	-CPS064	SA6	A2		CMP30	6341	I	13	
14									14	
15	COMPASS	-CPS064	SA7	A1		CMP30	6342	I	15	
16									16	
17	COMPASS	-CPS064	LLT1	SA1	0.ENDTAB	SETUP SECOND WORD OF REQUEST	CMP30	6343	I	17
18									18	
19	COMPASS	-CPS064	SA2	0.MEMORY		CMP30	6344	I	19	
20									20	
21	COMPASS	-CPS064	LX5	39		CMP30	6345	I	21	
22									22	
23	COMPASS	-CPS064	LX1	18		CMP30	6346	I	23	
24									24	
25	COMPASS	-CPS064	BX3	X5+X2		CMP30	6347	I	25	
26									26	
27	COMPASS	-CPS064	SX6	B0		CMP30	6348	I	27	
28									28	
29	COMPASS	-CPS064	BX7	X3+X1		CMP30	6349	I	29	
30									30	
31	COMPASS	-CPS064	SA6	RA.LDR	CLEAR REPLY WORD	CMP30	6350	I	31	
32									32	
33	COMPASS	-CPS064	SA7	LLTA+1		CMP30	6351	I	33	
34									34	
35	COMPASS	-CPS064	LOADREQ	LLTA	REQUEST OVERLAY LOAD	CMP30	6352	I	35	
36									36	
37	COMPASS	-CPS064				CMP30	6353	I	37	
38									38	
39	COMPASS	-CPS064	IFC	GE, "MODEL" 75 ,1		CMP30	6354	I	39	
40									40	
41	COMPASS	-CPS028	RM	IFEQ	CP#RM,0	CMP30	6355	I	41	
42									42	
43	COMPASS	-CPS028	RM	IFNE	CP#RM,7	S028 767 CPS028	565	I	43	
44									44	
45	COMPASS	-CPS064	LLT2	RECALL	WAIT FOR LOADER	CMP30	6356	I	45	
46									46	
47	COMPASS	-CPS064	SA4	RA.LDR		CMP30	6357	I	47	
48									48	
49	COMPASS	-CPS064	ZR	X4,LLT2		CMP30	6358	I	49	
50									50	
51	COMPASS	-CPS064	RM	ENDIF		CMP30	6359	I	51	

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS064

1	COMPASS	-CPS064								CMP30	6360	I	1
2	COMPASS	-CPS064											2
3	COMPASS	-CPS064	SA1	LLTA+1						CMP30	6361	I	3
4	COMPASS	-CPS064											4
5	COMPASS	-CPS064	SA2	A1-B1						CMP30	6362	I	5
6	COMPASS	-CPS064											6
7	COMPASS	-CPS064	SX0	B1						CMP30	6363	I	7
8	COMPASS	-CPS064											8
9	COMPASS	-CPS064	LX1	-36	GET FATAL ERROR FLAG					CMP30	6364	I	9
10	COMPASS	-CPS064											10
11	COMPASS	-CPS064	SX6	X2-9						CMP30	6365	I	11
12	COMPASS	-CPS064											12
13	COMPASS	-CPS064	BX0	X0*X1						CMP30	6366	I	13
14	COMPASS	-CPS064											14
15	COMPASS	-CPS064	ZR	X6,LST7A	IF INSUFFICIENT STORAGE					CMP30	6367	I	15
16	COMPASS	-CPS064											16
17	COMPASS	-CPS064	EQ	LLT	RETURN					CMP30	6368	I	17
18	COMPASS	-CPS064											18
19	COMPASS	-CPS064								CMP30	6369	I	19
20	COMPASS	-CPS064											20
21	COMPASS	-CPS064	LLTA	BSS	3	LOADER PARAMETER LIST				CMP30	6370	I	21
22	COMPASS	-CPS064											22
23	COMPASS	-CPS064	LST	SPACE	4					CMP30	6371	I	23
24	COMPASS	-CPS064											24
25	COMPASS	**	LST	-	LOAD SYSTEM TEXT.					CMP30	6372	I	25
26	COMPASS	-CPS064											26
27	COMPASS	-CPS064								CMP30	6373	I	27
28	COMPASS	-CPS064											28
29	COMPASS	-CPS064								CMP30	6374	I	29
30	COMPASS	-CPS064											30
31	COMPASS	-CPS064	LST	PS		RETURN EXIT				CMP30	6375	I	31
32	COMPASS	-CPS064											32
33	COMPASS	-CPS064	SA1	CP.STEXT						CMP30	6376	I	33
34	COMPASS	-CPS064											34
35	COMPASS	-CPS064	SA2	CP.LIB	CHECK FOR *S=0*					CMP30	6377	I	35
36	COMPASS	-CPS064											36
37	COMPASS	-CPS064	SX7	B1						CMP30	6378	I	37
38	COMPASS	-CPS064											38
39	COMPASS	-CPS064	NZ	X1,LST1	IF SYSTEM TEXT(S) SPECIFIED					CMP30	6379	I	39
40	COMPASS	-CPS064											40
41	COMPASS	-CPS064	BX6	X2						CMP30	6380	I	41
42	COMPASS	-CPS064											42
43	COMPASS	-CPS064	ZR	X2,LST6A	IF NONE AT ALL					CMP30	6381	I	43
44	COMPASS	-CPS064											44
45	COMPASS	-CPS064	SA6	A1						CMP30	6382	I	45
46	COMPASS	-CPS064											46
47	COMPASS	-CPS064	LST1	SA7	A2	STORE SYSTEM TEXT ORDINAL				CMP30	6383	I	47
48	COMPASS	-CPS064											48
49	COMPASS	-CPS064	SA1	CP.STEXT+X7						CMP30	6384	I	49
50	COMPASS	-CPS064											50
51	COMPASS	-CPS064	SX2	X1						CMP30	6385	I	51

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS064

1	COMPASS	-CPS064	ZR	X2,LST1A	IF *S* ARGUMENT	CMP30	6386	I	1
2	COMPASS	-CPS064	RJ	LGT	LOAD FROM FILE (*G* ARGUMENT)	CMP30	6387	I	2
3	COMPASS	-CPS064	EQ	LST1B		CMP30	6388	I	3
4	COMPASS	-CPS064	RJ	LLT	LOAD LIBRARY TEXT	CMP30	6389	I	4
5	COMPASS	-CPS064	NZ	X0,LST7	IF NOT LOADED	CMP30	6390	I	5
6	COMPASS	-CPS064	SA3	O.MEMORY		CMP30	6391	I	6
7	COMPASS	-CPS064	SA2	X3+B1	SYSTEM SYMBOL TABLE LENGTH	CMP30	6392	I	7
8	COMPASS	-CPS064	BX1	X2		CMP30	6393	I	8
9	COMPASS	-CPS064	AX2	18	VERIFY SYSTEXT FORMAT	CMP30	6394	I	9
10	COMPASS	-CPS064	SB2	X1+B1		CMP30	6395	I	10
11	COMPASS	-CPS064	NZ	X2,LST8	IF BAD SYSTEXT	CMP30	6396	I	11
12	COMPASS	-CPS064	SA4	O.ENDTAB		CMP30	6397	I	12
13	COMPASS	-CPS064	SB3	X4	FIND END OF OVERLAY	CMP30	6398	I	13
14	COMPASS	-CPS064	SB2	A2+B2		CMP30	6399	I	14
15	COMPASS	-CPS064	GE	B2,B3,LST8	IF BAD SYSTEXT	CMP30	6400	I	15
16	COMPASS	-CPS064	MI	B2,LST8		CMP30	6401	I	16
17	COMPASS	-CPS064	SA2	B2	SYSTEM MICRO TABLE LENGTH	CMP30	6402	I	17
18	COMPASS	-CPS064	SB2	X2+B1		CMP30	6403	I	18
19	COMPASS	-CPS064	SB2	A2+B2		CMP30	6404	I	19
20	COMPASS	-CPS064	GE	B2,B3,LST8	IF BAD SYSTEXT	CMP30	6405	I	20
21	COMPASS	-CPS064	MI	B2,LST8		CMP30	6406	I	21
22	COMPASS	-CPS064	SA2	B2	SYSTEM MACRO DEFINITION TABLE LENGTH	CMP30	6407	I	22
23	COMPASS	-CPS064	SB2	X2+B1		CMP30	6408	I	23
24	COMPASS	-CPS064	SB2	A2+B2		CMP30	6409	I	24
25	COMPASS	-CPS064	GE	B2,B3,LST8	IF BAD SYSTEXT	CMP30	6410	I	25
26	COMPASS	-CPS064	MI	B2,LST8		CMP30	6411	I	26

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS064

1	COMPASS	-CPS064	SA2	B2	SYSTEM OPCODE TABLE LENGTH	CMP30	6412	I	1	
2									2	
3	COMPASS	-CPS064	SB2	X2+B1		CMP30	6413	I	3	
4									4	
5	COMPASS	-CPS064	SB2	A2+B2		CMP30	6414	I	5	
6									6	
7	COMPASS	-CPS064	GE	B2,B3,LST8	IF BAD SYSTEXT	CMP30	6415	I	7	
8									8	
9	COMPASS	-CPS064	MI	B2,LST8		CMP30	6416	I	9	
10									10	
11	COMPASS	-CPS064	SX6	B2	LWA+1 OF OVERLAY	CMP30	6417	I	11	
12									12	
13	COMPASS	-CPS064	IX6	X6-X3		CMP30	6418	I	13	
14									14	
15	COMPASS	-CPS064	SA6	L.MEMORY		CMP30	6419	I	15	
16									16	
17	COMPASS	-CPS064	MANAGE	SSYMS,X1	ALLOCATE SYSTEM SYMBOL TABLE	CMP30	6420	I	17	
18									18	
19	COMPASS	-CPS064	RJ	ASU	ACCUMULATE STORAGE USED	CMP30	6421	I	19	
20									20	
21	COMPASS	-CPS064	SA2	CP.LIB		CMP30	6422	I	21	
22									22	
23	COMPASS	-CPS064	SA3	O.MEMORY		CMP30	6423	I	23	
24									24	
25	COMPASS	-CPS064	SA4	L.SSYMS		CMP30	6424	I	25	
26									26	
27	COMPASS	-CPS064	SA1	O.SSYMS		CMP30	6425	I	27	
28									28	
29	COMPASS	-CPS064	LX2	36	POSITION SYSTEM TEXT ORDINAL	CMP30	6426	I	29	
30									30	
31	COMPASS	-CPS064	SA5	X3+B1		CMP30	6427	I	31	
32									32	
33	COMPASS	-CPS064	SB2	B1+B1		CMP30	6428	I	33	
34									34	
35	COMPASS	-CPS064	SB4	A5+B1		CMP30	6429	I	35	
36									36	
37	COMPASS	-CPS064	SB5	X5-2	NUMBER OF SYMBOLS * 2 - 2	CMP30	6430	I	37	
38									38	
39	COMPASS	-CPS064	IX6	X4-X5		CMP30	6431	I	39	
40									40	
41	COMPASS	-CPS064	SB3	X6		CMP30	6432	I	41	
42									42	
43	COMPASS	-CPS064	SB6	X1+B3		CMP30	6433	I	43	
44									44	
45	COMPASS	-CPS064	EQ	LST2A		CMP30	6434	I	45	
46									46	
47	COMPASS	-CPS064	LST2	LX6	X4	STORE NEW SYMBOL	CMP30	6435	I	47
48									48	
49	COMPASS	-CPS064	SA6	B6		CMP30	6436	I	49	
50									50	
51	COMPASS	-CPS064	SA7	B6+B1		CMP30	6437	I	51	
									52	

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS064

1	COMPASS	-CPS064	SB6	B6+B2		CMP30	6438	I	1
2									2
3	COMPASS	LST2A	MI	B5,LST2C	IF END OF TABLE	CMP30	6439	I	3
4		-CPS064							4
5	COMPASS		SA4	B4		CMP30	6440	I	5
6		-CPS064							6
7	COMPASS		SA5	B4+B1	GET NEXT SYMBOL	CMP30	6441	I	7
8		-CPS064							8
9	COMPASS		SB4	B4+B2		CMP30	6442	I	9
10		-CPS064							10
11	COMPASS		SB5	B5-B2		CMP30	6443	I	11
12		-CPS064							12
13	COMPASS		SB7	B3-B2		CMP30	6444	I	13
14		-CPS064							14
15	COMPASS		BX7	X5+X2		CMP30	6445	I	15
16		-CPS064							16
17	COMPASS	LST2B	SA3	X1+B7	CHECK FOR DUPLICATE SYMBOL	CMP30	6446	I	17
18		-CPS064							18
19	COMPASS		MI	B7,LST2	IF NOT FOUND	CMP30	6447	I	19
20		-CPS064							20
21	COMPASS		BX0	X4-X3		CMP30	6448	I	21
22		-CPS064							22
23	COMPASS		SB7	B7-B2		CMP30	6449	I	23
24		-CPS064							24
25	COMPASS		NZ	X0,LST2B	LOOP	CMP30	6450	I	25
26		-CPS064							26
27	COMPASS		SA7	A3+B1	REDEFINE SYMBOL	CMP30	6451	I	27
28		-CPS064							28
29	COMPASS		EQ	LST2A		CMP30	6452	I	29
30		-CPS064							30
31	COMPASS	LST2C	SX6	B6	REDUCE SSYMS LENGTH IF ANY	CMP30	6453	I	31
32		-CPS064							32
33	COMPASS		IX7	X6-X1	DUPLICATE SYMBOLS WERE FOUND	CMP30	6454	I	33
34		-CPS064							34
35	COMPASS		SA7	L.SSYMS		CMP30	6455	I	35
36		-CPS064							36
37	COMPASS		SA1	L.MEMORY		CMP30	6456	I	37
38		-CPS064							38
39	COMPASS		SA2	O.MEMORY	REDUCE MEMORY	CMP30	6457	I	39
40		-CPS064							40
41	COMPASS		SX7	B4		CMP30	6458	I	41
42		-CPS064							42
43	COMPASS		IX3	X1+X2		CMP30	6459	I	43
44		-CPS064							44
45	COMPASS		IX6	X3-X7		CMP30	6460	I	45
46		-CPS064							46
47	COMPASS		SA7	A2		CMP30	6461	I	47
48		-CPS064							48
49	COMPASS		SA6	A1		CMP30	6462	I	49
50		-CPS064							50
51	COMPASS		SA1	X7		CMP042	294	I	51

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS064

1	COMPASS	-CMP043	MANAGE	MACDEF,X1		CMP042	295	I	1
2	COMPASS	-CPS064	SA4	O.MEMORY	LOAD MACRO DEFINITION SKELETONS	CMP042	296	I	2
3	COMPASS	-CMP043	MANAGE	SYSMIC,X1		CMP043	151	I	3
4	COMPASS	-CPS064	SA4	O.MEMORY	LOAD SYSTEM MICROS	CMP043	152	I	4
5	COMPASS	-CPS064	SX1	X3		COMPASS	18946	I	5
6	COMPASS	-CMP30	SX3	X2		COMPASS	18947	I	6
7	COMPASS	-CMP30	SA1	X4		CMP30	6463	I	7
8	COMPASS	-CPS064	IX3	X2+X3		CMP30	6464	I	8
9	COMPASS	-CPS064	ZR	X1,LST3	IF LENGTH IS ZERO	CMP30	6465	I	9
10	COMPASS	-CPS064	SX2	X4+2		COMPASS	18948	I	10
11	COMPASS	-CMP042	SX2	X4+B1		CMP042	297	I	11
12	COMPASS	-CPS064	ZR	X3,LST1	IF LENGTH IS 0	COMPASS	18949	I	12
13	COMPASS	-CMP3	ZR	X1,LST1	IF LENGTH IS ZERO	CMP3	1	I	13
14	COMPASS	-CMP30	IX3	X3-X1		CMP30	6466	I	14
15	COMPASS	-CPS064	RJ	MOVE		COMPASS	18950	I	15
16	COMPASS	-CPS064	LST1	SA2	O.MEMORY LOAD MACRO SKELETONS	COMPASS	18951	I	16
17	COMPASS	-CMP042	SA1	X2		COMPASS	18952	I	17
18	COMPASS	-CMP042	MANAGE	MACDEF,X1		COMPASS	18953	I	18
19	COMPASS	-CMP042	RJ	ASU	ACCUMULATE STORAGE USED	CMP042	298	I	19
20	COMPASS	-CPS064	SA3	L.MACDEF	REDUCE MEMORY	CMP042	299	I	20
21	COMPASS	-CMP043	SA3	L.SYSMIC	REDUCE MEMORY	CMP043	153	I	21
22	COMPASS	-CMP30	SA4	O.MEMORY		COMPASS	18954	I	22
23	COMPASS	-CMP30	LST3	SA4	O.MEMORY REDUCE MEMORY	CMP30	6467	I	23
24	COMPASS	-CPS064	SA5	L.MEMORY		COMPASS	18955	I	24
25	COMPASS	-CPS064	SA3	X4		CMP30	6468	I	25
26	COMPASS	-CPS064	SX6	X3+B1		COMPASS	18956	I	26

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS064

1	COMPASS	-CPS064	IX7	X4+X6	COMPASS	18957	I	1		
2	COMPASS	-CPS064	IX6	X5-X6	COMPASS	18958	I	2		
3	COMPASS	-CPS064	SA7	A4	COMPASS	18959	I	3		
4	COMPASS	-CPS064	SA6	A5	COMPASS	18960	I	4		
5	COMPASS	-CPS064	SA1	X7	CMP042	300	I	5		
6	COMPASS	-CPS064	MANAGE	SYSMIC,X1	CMP042	301	I	6		
7	COMPASS	-CMP043	SA4	O.MEMORY	LOAD SYSTEM MICROS	CMP042	302	I	7	
8	COMPASS	-CMP043	MANAGE	MACDEF,X1	CMP043	154	I	8		
9	COMPASS	-CPS064	SA4	O.MEMORY	LOAD MACRO DEFINITION SKELETONS	CMP043	155	I	9	
10	COMPASS	-CPS064	SX1	X3	COMPASS	18961	I	10		
11	COMPASS	-CMP30	SX3	X2	COMPASS	18962	I	11		
12	COMPASS	-CMP30	SA1	X4	CMP30	6469	I	12		
13	COMPASS	-CPS064	IX3	X2+X3	CMP30	6470	I	13		
14	COMPASS	-CPS064	ZR	X1,LST4	IF LENGTH IS ZERO	CMP30	6471	I	14	
15	COMPASS	-CPS064	SX2	X4+B1	COMPASS	18963	I	15		
16	COMPASS	-CPS064	ZR	X3,LST2	IF LENGTH IS 0	COMPASS	18964	I	16	
17	COMPASS	-CMP3	ZR	X1,LST2	IF LENGTH IS ZERO	CMP3	2	I	17	
18	COMPASS	-CMP30	IX3	X3-X1	CMP30	6472	I	18		
19	COMPASS	-CPS064	RJ	MOVE	COMPASS	18965	I	19		
20	COMPASS	-CPS064	LST2	SA2	O.MEMORY	LOAD SYSTEM MICROS	COMPASS	18966	I	20
21	COMPASS	-CMP042	SA1	X2	COMPASS	18967	I	21		
22	COMPASS	-CMP042	MANAGE	SYSMIC,X1	COMPASS	18968	I	22		
23	COMPASS	-CMP042	RJ	ASU	ACCUMULATE STORAGE USED	CMP042	303	I	23	
24	COMPASS	-CPS064	LST2	SA3	L.SYSMIC	REDUCE MEMORY	CMP042	304	I	24
25	COMPASS	-CMP043	LST2	SA3	L.MACDEF	REDUCE MEMORY	CMP043	156	I	25
26	COMPASS	-CMP30	SA4	O.MEMORY	COMPASS	18969	I	26	26	

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-CMP30

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP042

1	COMPASS	-CMP042	SA2	A1+B1		COMPASS	18987	I	1	
2									2	
3	COMPASS	-CMP042	SA6	A5		COMPASS	18988	I	3	
4									4	
5	COMPASS	-CMP042	SA7	A4		COMPASS	18989	I	5	
6									6	
7	COMPASS	-CMP042	NZ	X6,LST4	IF DUPLICATE OP-CODE	CMP031	7	I	7	
8									8	
9	COMPASS	-CMP042	SA2	A1+B1		CMP031	8	I	9	
10									10	
11	COMPASS	-CMP042	RJ	ENTOP		COMPASS	18990	I	11	
12									12	
13	COMPASS	-CMP042	EQ	LST3	LOOP	COMPASS	18991	I	13	
14									14	
15	COMPASS	-CMP042	LST4	SA3	A1+B1	REPLACE OP-CODE ENTRY	CMP031	9	I	15
16									16	
17	COMPASS	-CMP042	BX6	X3		CMP031	10	I	17	
18									18	
19	COMPASS	-CMP042	SA6	A2		CMP031	11	I	19	
20									20	
21	COMPASS	-CMP042	EQ	LST3	LOOP	CMP031	12	I	21	
22									22	
23	COMPASS	-CMP042				COMPASS	18992	I	23	
24									24	
25	COMPASS	-CMP042	ZR	X6,SYSX1	IF NO MACRO DEFINITIONS	CMP042	305	I	25	
26									26	
27	COMPASS	-CMP30	LST3	SA1	X7	LOOK UP OPCODE	CMP042	306	I	27
28									28	
29	COMPASS	-CMP30	ZR	X6,LST6	IF NO SYSTEM OPCODES	CMP30	6475	I	29	
30									30	
31	COMPASS	-CPS064	LST5	SA1	X7	LOOK UP OPCODE	CMP30	6476	I	31
32									32	
33	COMPASS	-CPS064	RJ	/PASS1/TLUOP		CMP042	307	I	33	
34									34	
35	COMPASS	-CPS064	SA4	O.MEMORY		CMP042	308	I	35	
36									36	
37	COMPASS	-CPS064	NZ	X6,LST4	IF FOUND	CMP042	309	I	37	
38									38	
39	COMPASS	-CMP30	SA5	X4+B1	GET EQUIVALENT	CMP30	6477	I	39	
40									40	
41	COMPASS	-CPS064	BX7	X5		CMP30	6478	I	41	
42									42	
43	COMPASS	-CPS064	AX5	57		CMP30	6479	I	43	
44									44	
45	COMPASS	-CPS064	SX0	X5+B1		CMP30	6480	I	45	
46									46	
47	COMPASS	-CPS064	SA3	LSYSMAC		CMP30	6481	I	47	
48									48	
49	COMPASS	+	NZ	X0,*+1	IF NOT A MACRO	CMP30	6482	I	49	
50									50	
51	COMPASS	-CPS064	IX7	X7+X3		CMP30	6483	I	51	

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS064

1	COMPASS	-CPS064	NZ	X6,LST5A	IF FOUND	CMP30	6484	I	1
2	COMPASS	-CPS064							2
3	COMPASS	-CPS064	SA1	X4		CMP042	310	I	3
4	COMPASS	-CPS064							4
5	COMPASS	-CPS064	SA2	X4+B1		CMP042	311	I	5
6	COMPASS	-CMP30							6
7	COMPASS	-CPS064	BX2	X7		CMP30	6485	I	7
8	COMPASS	-CPS064							8
9	COMPASS	-CPS064	RJ	ENTOP	ENTER OPCODE TABLE	CMP042	312	I	9
10	COMPASS	-CPS064							10
11	COMPASS	-CPS064	SA4	O.MEMORY		CMP042	313	I	11
12	COMPASS	-CPS064							12
13	COMPASS	-CMP30	EQ	LST5		CMP042	314	I	13
14	COMPASS	-CMP30							14
15	COMPASS	LST4	SA1	X4+B1	REPLACE EQUIVALENT	CMP042	315	I	15
16	COMPASS	-CMP30							16
17	COMPASS	-CMP30	BX6	X1		CMP042	316	I	17
18	COMPASS	-CMP30							18
19	COMPASS	-CMP30	SA6	A2		CMP042	317	I	19
20	COMPASS	-CMP30							20
21	COMPASS	-CPS064	EQ	LST5B		CMP30	6486	I	21
22	COMPASS	-CPS064							22
23	COMPASS	LST5A	SA7	A2	REPLACE EQUIVALENT	CMP30	6487	I	23
24	COMPASS	-CPS064							24
25	COMPASS	LST5	SA5	L.MEMORY	REDUCE MEMORY	CMP042	318	I	25
26	COMPASS	-CMP30							26
27	COMPASS	LST5B	SA5	L.MEMORY	REDUCE MEMORY	CMP30	6488	I	27
28	COMPASS	-CPS064							28
29	COMPASS	-CPS064	SX7	X4+2		CMP042	319	I	29
30	COMPASS	-CPS064							30
31	COMPASS	-CPS064	SX6	X5-2		CMP042	320	I	31
32	COMPASS	-CPS064							32
33	COMPASS	-CPS064	SA7	A4		CMP042	321	I	33
34	COMPASS	-CPS064							34
35	COMPASS	-CPS064	SA6	A5		CMP042	322	I	35
36	COMPASS	-CPS064							36
37	COMPASS	-CMP30	NZ	X6,LST3	IF MORE SYSTEM MACROS	CMP042	323	I	37
38	COMPASS	-CMP30							38
39	COMPASS	-CMP30	EQ	SYSX1		CMP042	324	I	39
40	COMPASS	-CMP30							40
41	COMPASS	-CPS064	NZ	X6,LST5	IF MORE SYSTEM OPCODES	CMP30	6489	I	41
42	COMPASS	-CPS064							42
43	COMPASS	-CPS064				CMP042	325	I	43
44	COMPASS	-CPS064							44
45	COMPASS	LSTA	DATA	0,0	LOADER INFORMATION	COMPASS	18993	I	45
46	COMPASS	-CMP30							46
47	COMPASS	CTM	SPACE	4		COMPASS	18994	I	47
48	COMPASS	-CMP30							48
49	COMPASS	**	CTM	- CHECK TYPE OF MACHINE.		COMPASS	18995	I	49
50	COMPASS	-CMP30							50
51	COMPASS	-CMP30				COMPASS	18996	I	51

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-CMP30

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

1	COMPASS	-CMP1	-CMP30	CTMB	CON	0220BS48	JP B2	CMP1	53	I	1
2		-CMP30									2
3	COMPASS							COMPASS	19015	I	3
4		-CMP30									4
5	COMPASS	CTMC	DATA	H*6400	ASSEM*			COMPASS	19016	I	5
6		-CMP30									6
7	COMPASS		DATA	H*6600	ASSEM*			COMPASS	19017	I	7
8		-CMP30									8
9	COMPASS		DATA	H*7600	ASSEM*			COMPASS	19018	I	9
10		-CMP30									10
11	COMPASS	LGT	SPACE	4				COMPASS	19019	I	11
12		-CMP30									12
13	COMPASS	**	LGT	-	LOAD G-TYPE SYSTEMS TEXT.			COMPASS	19020	I	13
14		-CMP30									14
15	COMPASS	*	ENTRY	(X4)	=	FILE NAME.		COMPASS	19021	I	15
16		-CMP8	-CMP30								16
17	COMPASS	*	ENTRY	(X6)	=	FILE NAME.		CMP8	18	I	17
18		-CMP30									18
19	COMPASS	*	EXIT	(X0)	=	0 IF TEXT LOADED.		COMPASS	19022	I	19
20		-CMP30									20
21	COMPASS							COMPASS	19023	I	21
22		-CMP30									22
23	COMPASS							COMPASS	19024	I	23
24		-CMP30									24
25	COMPASS	LGT	PS			RETURN EXIT		COMPASS	19025	I	25
26		-CMP30									26
27	COMPASS		SX6	B1		SET FILE NAME		COMPASS	19026	I	27
28		-CMP8	-CMP30								28
29	COMPASS		SX4	B1				CMP8	19	I	29
30		-CMP30									30
31	COMPASS		SA6	SYSTEXT		SAVE FILE NAME FOR XREF LISTING		CMP8	20	I	31
32		-CMP27	-CMP30								32
33	COMPASS		SA6	SYSNAME		SAVE FILE NAME FOR XREF LISTINGS		CMP27	36	I	33
34		-CMP30									34
35	COMPASS		BX6	X6+X4				COMPASS	19027	I	35
36		-CMP30									36
37	COMPASS		SA6	G				COMPASS	19028	I	37
38		-CMP30									38
39	COMPASS		RJ	MTD		MOVE TABLES DOWN TO GET ROOM		CMP8	21	I	39
40		-CMP30									40
41	COMPASS		SA1	O.MEMORY				COMPASS	19029	I	41
42		-CMP30									42
43	COMPASS		SA2	FIELDL				COMPASS	19030	I	43
44		-CMP042	-CMP30								44
45	COMPASS		IX2	X2-X1				COMPASS	19031	I	45
46		-CMP042	-CMP30								46
47	COMPASS		SA2	O.ENDTAB				CMP042	326	I	47
48		-CMP30									48
49	COMPASS		SX0	X1				COMPASS	19032	I	49
50		-CMP30									50
51	COMPASS		SA0	X2-10B				COMPASS	19033	I	51
52											52
53		0	1	2	3	4	5	6	7	8	53
54		1234567890123456789012345678901234567890123456789012345678901234567890									54
55											55
56											56
57											57
58											58
59											59
60											60

-CMP042      -CMP30

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP30

1	COMPASS	READW	G,X0+B1,A0-B1	COMPASS	19058	I		
2	-CMP30							
3	COMPASS	ZR	X1,SYS2	IF NOT ENOUGH ROOM FOR SYSTEXT	COMPASS	19059	I	
4	-CMP042	-CMP30						
5	COMPASS	SX0	B0	COMPASS	19060	I		
6	-CMP042	-CMP30						
7	COMPASS	EQ	LGT	RETURN	COMPASS	19061	I	
8	-CMP042	-CMP30						
9	COMPASS	SX0	B0	CMP042	329	I		
10	-CMP30							
11	COMPASS	NZ	X1,LGT	CMP042	330	I		
12	-CMP30							
13	COMPASS	MESSAGE	(=C* INSUFFICIENT STORAGE FOR SYSTEMS TEXT.*)	CMP042	331	I		
14	-CMP30							
15	COMPASS	EQ	SYSX1	CMP042	332	I		
16	-CMP30							
17	COMPASS			COMPASS	19062	I		
18	-CMP30							
19	COMPASS	G	BSS	0	GTEXT BUFFER	COMPASS	19063	I
20	-CMP30							
21	COMPASS	FET		,SBUFL,7	COMPASS	19064	I	
22	-CMP30							
23	COMPASS	SFP	SPACE	4	COMPASS	19065	I	
24	-CMP30							
25	COMPASS	**	SFP	- SET FILE PARAMETERS.	COMPASS	19066	I	
26	-CMP30							
27	COMPASS				COMPASS	19067	I	
28	-CMP30							
29	COMPASS				COMPASS	19068	I	
30	-CMP30							
31	COMPASS	SFP	PS	RETURN EXIT	COMPASS	19069	I	
32	-CMP30							
33	COMPASS	SX0	BUFFERS	CHECK ERROR FILE	COMPASS	19070	I	
34	-CMP30							
35	COMPASS	SX1	E	COMPASS	19071	I		
36	-CMP30							
37	COMPASS	SA3	X1	COMPASS	19072	I		
38	-CMP30							
39	COMPASS	ZR	X3,SFP1	IF NO ERROR FILE	COMPASS	19073	I	
40	-CMP30							
41	COMPASS	SA4	E+2	COMPASS	19074	I		
42	-CMP30							
43	COMPASS	NZ	X4,SFP1	IF BUFFERS HAVE BEEN SWITCHED	COMPASS	19075	I	
44	-CMP30							
45	COMPASS	RJ	SBA	SET *E* BUFFER ADDRESS	COMPASS	19076	I	
46	-CMP30							
47	COMPASS	SFP1	SX1	R	CHECK CROSS-REFERENCE BUFFER	COMPASS	19077	I
48	-CMP30							
49	COMPASS	SA3	LISTFG	SET EXTERNAL LIST FLAG	COMPASS	19078	I	
50	-CMP30							
51	COMPASS	SX5	B1	COMPASS	19079	I		

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-CMP30

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP30

1	COMPASS	EQ	SFP	RETURN	COMPASS	19098	I
2	-CMP30						
3	COMPASS	SYSX1	SPACE	4	COMPASS	19099	I
4	-CMP30						
5	COMPASS	**	SYSX1	- SYSTEMS TEXT EXIT.	COMPASS	19100	I
6	-CMP30						
7	COMPASS				COMPASS	19101	I
8	-CMP30						
9	COMPASS				COMPASS	19102	I
10	-CMP30						
11	COMPASS	SYS2	MESSAGE	(=C* BAD SYSTEMS TEXT.*)	COMPASS	19103	I
12	-CMP30						
13	COMPASS	SYSX1	SA2	L.MACDEF	COMPASS	19104	I
14	-CMP042	-CMP30					
15	COMPASS	SYSX1	RJ	ASU	CMP042	333	I
16	-CMP30						
17	COMPASS	RJ	ATS	ACCUMULATE TOTAL STORAGE USED	CMP042	334	I
18	-CMP30						
19	COMPASS	SA2	L.MACDEF		CMP042	335	I
20	-CMP30						
21	COMPASS	BX6	X2		COMPASS	19105	I
22	-CMP30						
23	COMPASS	MX7	0		COMPASS	19106	I
24	-CMP30						
25	COMPASS	SA7	L.MEMORY		COMPASS	19107	I
26	-CMP30						
27	COMPASS	SA6	LSYSMAC		COMPASS	19108	I
28	-CMP30						
29	COMPASS	EVICT	R		COMPASS	19109	I
30	-CMP30						
31	COMPASS	OPEN	S,WRITE		COMPASS	19110	I
32	-CMP30						
33	COMPASS	REWIND	S		COMPASS	19111	I
34	-CMP30						
35	COMPASS	SX2	I	READ IN FIRST CARD	COMPASS	19112	I
36	-CMP30						
37	COMPASS	SA0	INBUF		COMPASS	19113	I
38	-CMP30						
39	COMPASS	SA3	A0	CHECK IF CARD NEEDS READING	COMPASS	19114	I
40	-CMP30						
41	COMPASS	NZ	X3,PASS0	IF CALL FROM FORTRAN	COMPASS	19115	I
42	-CMP30						
43	COMPASS	RJ	/PASS1/RCARD		COMPASS	19116	I
44	-CMP24	-CMP30					
45	COMPASS	SA1	A0	CHECK FOR MODIFY COSY	COMPASS	19117	I
46	-CMP24	-CMP30					
47	COMPASS	RJ	/PASS1/RNC		CMP24	577	I
48	-CMP30						
49	COMPASS	SA1	A0	CHECK FOR COMPRESSED SOURCE INPUT	CMP24	578	I
50	-CMP30						
51	COMPASS	LX1	18		COMPASS	19118	I

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP30

1	COMPASS	-CMP30	SX6	X1-770000B		COMPASS	19119	I	1
2		-CMP24	-CMP30						2
3	COMPASS		NZ	X6,PASS0	IF NOT MODIFY	COMPASS	19120	I	3
4		-CMP24	-CMP30						4
5	COMPASS		SX6	B1		COMPASS	19121	I	5
6		-CMP24	-CMP30						6
7	COMPASS		SX3	X1-770000B		CMP24	579	I	7
8		-CMP30							8
9	COMPASS		NZ	X3,PASS0	IF NOT COMPRESSED	CMP24	580	I	9
10		-CMP30							10
11	COMPASS		LX1	6		CMP24	581	I	11
12		-CMP30							12
13	COMPASS		SX6	B1+B1	AMODE = +2 (UPDATE)	CMP24	582	I	13
14		-CMP30							14
15	COMPASS	+	SX3	X1		CMP24	583	I	15
16		-CMP30							16
17	COMPASS		ZR	X3,*+1	IF WORD COUNT ZERO IN 7700 HEADER WORD	CMP24	584	I	17
18		-CMP30							18
19	COMPASS		SX6	B1	AMODE = +1 (MODIFY)	CMP24	585	I	19
20		-CMP30							20
21	COMPASS		SA6	AMODE		COMPASS	19122	I	21
22		-CMP30							22
23	COMPASS		RJ	/PASS1/RNC		COMPASS	19123	I	23
24		-CMP30							24
25	COMPASS		EQ	PASS0		COMPASS	19124	I	25
26		-CMP30							26
27	COMPASS	LST6	SA3	L.MACDEF		CMP30	6490	I	27
28		-CPS064							28
29	COMPASS		SA2	CP.LIB		CMP30	6491	I	29
30		-CPS064							30
31	COMPASS		SA1	CP.STEXT		CMP30	6492	I	31
32		-CPS064							32
33	COMPASS		BX6	X3		CMP30	6493	I	33
34		-CPS064							34
35	COMPASS		SA6	LSYSMAC		CMP30	6494	I	35
36		-CPS064							36
37	COMPASS		SX7	X2+B1	BUMP SYSTEM TEXT ORDINAL	CMP30	6495	I	37
38		-CPS064							38
39	COMPASS		IX6	X1-X2		CMP30	6496	I	39
40		-CPS064							40
41	COMPASS		NZ	X6,LST1	IF MORE TO LOAD	CMP30	6497	I	41
42		-CPS064							42
43	COMPASS		RJ	ATS	ACCUMULATE TOTAL STORAGE USED	CMP30	6498	I	43
44		-CPS064							44
45	COMPASS	LST6A	SA2	CP.NFLL		CMP30	6499	I	45
46		-CPS028							46
47	COMPASS		SA1	LCMEND		CMP30	6500	I	47
48		-CPS028							48
49	COMPASS	LST6A	SA2	CP.AFLL	S028 769	CPS028	566	I	49
50		-CPS064							50
51	COMPASS		ZR	X2,LST	IF NO LCM, RETURN	CMP30	6501	I	51

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS064

1	COMPASS	-CPS028	SA2	CP.NFLL			CMP30	6502	I	1
2										2
3	COMPASS	-CPS064	SA1	L.SYSMIC		S028 771	CPS028	567	I	3
4										4
5	COMPASS	-CPS064	ZR	X1,LST6B	IF NO SYSTEM MICROS	S028 772	CPS028	568	I	5
6										6
7	COMPASS	-CPS064	RJ	ILF	INCREASE LCM FIELD LENGTH	S028 773	CPS028	569	I	7
8										8
9	COMPASS	-CPS064	MI	X6,LST6B	IF NO ROOM IN LCM	S028 774	CPS028	570	I	9
10										10
11	COMPASS	-CPS064	SA3	L.SYSMIC			CMP30	6503	I	11
12										12
13	COMPASS	-CPS064	IX6	X1+X3			CMP30	6504	I	13
14										14
15	COMPASS	-CPS028	IX7	X2-X6			CMP30	6505	I	15
16										16
17	COMPASS	-CPS028	ZR	X3,LST6B	IF NO SYSTEM MICROS		CMP30	6506	I	17
18										18
19	COMPASS	-CPS028	MI	X7,LST6B	IF SYSTEM MICROS WILL NOT FIT		CMP30	6507	I	19
20										20
21	COMPASS	-CPS028	MX7	0			CMP30	6508	I	21
22										22
23	COMPASS	-CPS064	SA6	A1			CMP30	6509	I	23
24										24
25	COMPASS	-CPS028	IX1	X6-X1		S028 777	CPS028	571	I	25
26										26
27	COMPASS	-CPS064	SA7	A3	CLEAR SCM COPY OF SYSMIC TABLE		CMP30	6510	I	27
28										28
29	COMPASS	-CPS064	LX3	30			CMP30	6511	I	29
30										30
31	COMPASS	-CPS064	BX6	X3+X1			CMP30	6512	I	31
32										32
33	COMPASS	-CPS064	LX3	30	SET LCM TABLE POINTER		CMP30	6513	I	33
34										34
35	COMPASS	-CPS064	SA6	LCMMIC			CMP30	6514	I	35
36										36
37	COMPASS	-CPS064	SA2	O.SYSMIC			CMP30	6515	I	37
38										38
39	COMPASS	-CPS064	RJ	WLC	WRITE SYSMIC TO LCM		CMP30	6516	I	39
40										40
41	COMPASS	-CPS064	LST6B	SA1	LCMEND		CMP30	6517	I	41
42										42
43	COMPASS	-CPS028	SA2	CP.NFLL			CMP30	6518	I	43
44										44
45	COMPASS	-CPS064	LST6B	SA1	L.SSYMS	S028 779	CPS028	572	I	45
46										46
47	COMPASS	-CPS064	ZR	X1,LST6C	IF NO SYSTEM SYMBOLS	S028 780	CPS028	573	I	47
48										48
49	COMPASS	-CPS064	RJ	ILF	INCREASE LCM FIELD LENGTH	S028 781	CPS028	574	I	49
50										50
51	COMPASS	-CPS064	MI	X6,LST6C	IF NO ROOM IN LCM	S028 782	CPS028	575	I	51
52										52

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS064

1	COMPASS	-CPS064	SA3	L.SSYMS						CMP30	6519	I	1
2		-CPS064											2
3	COMPASS		IX6	X1+X3						CMP30	6520	I	3
4		-CPS028											4
5	COMPASS		IX7	X2-X6						CMP30	6521	I	5
6		-CPS028											6
7	COMPASS		ZR	X3,LST6C	IF NO SYSTEM SYMBOLS					CMP30	6522	I	7
8		-CPS028											8
9	COMPASS		MI	X7,LST6C	IF SYSTEM SYMBOLS WILL NOT FIT					CMP30	6523	I	9
10		-CPS028											10
11	COMPASS		MX7	0						CMP30	6524	I	11
12		-CPS064											12
13	COMPASS		SA6	A1						CMP30	6525	I	13
14		-CPS028											14
15	COMPASS		IX1	X6-X1			S028 785	CPS028			576	I	15
16		-CPS064											16
17	COMPASS		SA7	A3	CLEAR SCM COPY OF SSYMS TABLE					CMP30	6526	I	17
18		-CPS064											18
19	COMPASS		LX3	30						CMP30	6527	I	19
20		-CPS064											20
21	COMPASS		BX6	X3+X1						CMP30	6528	I	21
22		-CPS064											22
23	COMPASS		LX3	30	SET LCM TABLE POINTER					CMP30	6529	I	23
24		-CPS064											24
25	COMPASS		SA6	LCMSYM						CMP30	6530	I	25
26		-CPS064											26
27	COMPASS		SA2	0.SSYMS						CMP30	6531	I	27
28		-CPS064											28
29	COMPASS		RJ	WLC	WRITE SSYMS TO LCM					CMP30	6532	I	29
30		-CPS064											30
31	COMPASS	LST6C	SA1	LCMEND						CMP30	6533	I	31
32		-CPS028											32
33	COMPASS		SA2	CP.NFLL						CMP30	6534	I	33
34		-CPS028											34
35	COMPASS	LST6C	SA1	L.OPTAB			S028 787	CPS028			577	I	35
36		-CPS064											36
37	COMPASS		RJ	ILF	INCREASE LCM FIELD LENGTH		S028 788	CPS028			578	I	37
38		-CPS064											38
39	COMPASS		MI	X6,LST6D	IF NO ROOM IN LCM FOR OPCODE TABLE		S028 789	CPS028			579	I	39
40		-CPS064											40
41	COMPASS		SA3	L.OPTAB						CMP30	6535	I	41
42		-CPS064											42
43	COMPASS		IX6	X1+X3						CMP30	6536	I	43
44		-CPS028											44
45	COMPASS		IX7	X2-X6						CMP30	6537	I	45
46		-CPS028											46
47	COMPASS		MI	X7,LST6D	IF OPCODE TABLE WILL NOT FIT					CMP30	6538	I	47
48		-CPS028											48
49	COMPASS		MX7	0						CMP30	6539	I	49
50		-CPS064											50
51	COMPASS		SA6	A1						CMP30	6540	I	51

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS028

1	COMPASS	-CPS064	IX1	X6-X1		S028 792	CPS028	580	I	1
2		-CPS064								2
3	COMPASS		SA7	A3	CLEAR SCM COPY OF OPCODE TABLE		CMP30	6541	I	3
4		-CPS064								4
5	COMPASS		LX3	30			CMP30	6542	I	5
6		-CPS064								6
7	COMPASS		BX6	X3+X1			CMP30	6543	I	7
8		-CPS064								8
9	COMPASS		LX3	30	SET LCM TABLE POINTER		CMP30	6544	I	9
10		-CPS064								10
11	COMPASS		SA6	LCMOPC			CMP30	6545	I	11
12		-CPS064								12
13	COMPASS		SA2	O.OPTAB			CMP30	6546	I	13
14		-CPS064								14
15	COMPASS		RJ	WLC	WRITE OPTAB TO LCM		CMP30	6547	I	15
16		-CPS064								16
17	COMPASS	LST6D	SA1	LCMEND			CMP30	6548	I	17
18		-CPS064								18
19	COMPASS		SA2	CP.NFLL			CMP30	6549	I	19
20		-CPS028								20
21	COMPASS		BX6	X1	SAVE ORIGIN OF LCM MACROS	S028 794	CPS028	581	I	21
22		-CPS064								22
23	COMPASS		SA6	LCMSYS		S028 795	CPS028	582	I	23
24		-CPS064								24
25	COMPASS		SA1	L.MACDEF		S028 796	CPS028	583	I	25
26		-CPS064								26
27	COMPASS		ZR	X1,LST	IF NO SYSTEM MACROS	S028 797	CPS028	584	I	27
28		-CPS064								28
29	COMPASS		RJ	ILF	INCREASE LCM FIELD LENGTH	S028 798	CPS028	585	I	29
30		-CPS064								30
31	COMPASS		MI	X6,LST	IF NO ROOM IN LCM	S028 799	CPS028	586	I	31
32		-CPS064								32
33	COMPASS		SA3	L.MACDEF			CMP30	6550	I	33
34		-CPS064								34
35	COMPASS		IX6	X1+X3			CMP30	6551	I	35
36		-CPS028								36
37	COMPASS		IX7	X2-X6			CMP30	6552	I	37
38		-CPS028								38
39	COMPASS		ZR	X3,LST	IF NO SYSTEM MACROS		CMP30	6553	I	39
40		-CPS028								40
41	COMPASS		MI	X7,LST	IF MACRO DEFINITIONS WILL NOT FIT		CMP30	6554	I	41
42		-CPS028								42
43	COMPASS		MX7	0			CMP30	6555	I	43
44		-CPS064								44
45	COMPASS		SA6	A1			CMP30	6556	I	45
46		-CPS028								46
47	COMPASS		IX1	X6-X1		S028 802	CPS028	587	I	47
48		-CPS064								48
49	COMPASS		SA7	A3	CLEAR SCM COPY OF MACDEF TABLE		CMP30	6557	I	49
50		-CPS064								50
51	COMPASS		LX3	30			CMP30	6558	I	51

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS064

1	COMPASS	-CPS064	BX6	X3+X1						CMP30	6559	I
2	COMPASS	-CPS064	LX3	30	SET LCM TABLE POINTER					CMP30	6560	I
3	COMPASS	-CPS064	SA6	LCMMAC						CMP30	6561	I
4	COMPASS	-CPS064	SA2	O.MACDEF						CMP30	6562	I
5	COMPASS	-CPS064	RJ	WLC	WRITE MACDEF TO LCM					CMP30	6563	I
6	COMPASS	-CPS064	SA1	LCMEND				S028	804	CPS028	588	I
7	COMPASS	-CPS064	SA2	LCMSYS				S028	805	CPS028	589	I
8	COMPASS	-CPS064	BX6	X1	SAVE END OF LCM SYSTEM MACROS			S028	806	CPS028	590	I
9	COMPASS	-CPS064	SA6	A2				S028	807	CPS028	591	I
10	COMPASS	-CPS064	MX7	0	INDICATE NO SYSTEM MACROS IN SCM			S028	808	CPS028	592	I
11	COMPASS	-CPS064	SA7	LSYSMAC				S028	809	CPS028	593	I
12	COMPASS	-CPS064	SX0	B1				S028	810	CPS028	594	I
13	COMPASS	-CPS064	LX0	37	ADJUST ALL OPTAB ENTRIES FOR			S028	811	CPS028	595	I
14	COMPASS	-CPS064	BX2	X2+X0	SYSTEM MACROS TO POINT TO MACRO			S028	812	CPS028	596	I
15	COMPASS	-CPS064	SA3	L.OPTAB	DEFINITION TEXT IN LCM			S028	813	CPS028	597	I
16	COMPASS	-CPS064	SA4	LCMOPC				S028	814	CPS028	598	I
17	COMPASS	-CPS064	SA1	O.OPTAB				S028	815	CPS028	599	I
18	COMPASS	-CPS064	NZ	X3,*+1	IF OPCODE TABLE NOT IN LCM			S028	816	CPS028	600	I
19	COMPASS	-CPS064	AX4	30				S028	817	CPS028	601	I
20	COMPASS	-CPS064	BX3	X4				S028	818	CPS028	602	I
21	COMPASS	-CPS064	SB2	2				S028	819	CPS028	603	I
22	COMPASS	-CPS064	SB5	57	PREPARE TO SEARCH OPCODE TABLE			S028	820	CPS028	604	I
23	COMPASS	-CPS064	SB6	-1				S028	821	CPS028	605	I
24	COMPASS	-CPS064	SB7	X3				S028	822	CPS028	606	I
25	COMPASS	-CPS064	SA1	X1+B1				S028	823	CPS028	607	I
26	COMPASS	-CPS064	LST6E	AX3	X1,B5	EXTRACT OPCODE TYPE		S028	824	CPS028	608	I

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS064

1	COMPASS	-CPS064	IX6	X1+X2		S028	825	CPS028	609	I
2	COMPASS	-CPS064	SA1	A1+B2	FETCH NEXT ENTRY	S028	826	CPS028	610	I
3	COMPASS	-CPS064	SB4	X3		S028	827	CPS028	611	I
4	COMPASS	-CPS064	SB7	B7-B2		S028	828	CPS028	612	I
5	COMPASS	-CPS064	NE	B4,B6,*+1	IF NOT A SYSTEM MACRO	S028	829	CPS028	613	I
6	COMPASS	-CPS064	SA6	A1-B2	STORE ADJUSTED EQUIVALENT	S028	830	CPS028	614	I
7	COMPASS	-CPS064	NZ	B7,LST6E	LOOP TO END OF TABLE	S028	831	CPS028	615	I
8	COMPASS	-CPS064	SA3	LCM0PC		S028	832	CPS028	616	I
9	COMPASS	-CPS064	SA2	O.OPTAB		S028	833	CPS028	617	I
10	COMPASS	-CPS064	ZR	X3,LST	IF OPCODE TABLE NOT IN LCM	S028	834	CPS028	618	I
11	COMPASS	-CPS064	BX1	X3		S028	835	CPS028	619	I
12	COMPASS	-CPS064	AX3	30		S028	836	CPS028	620	I
13	COMPASS	-CPS064	RJ	WLC	RE-WRITE TO LCM	S028	837	CPS028	621	I
14	COMPASS	-CPS064	EQ	LST	RETURN			CMP30	6564	I
15	COMPASS	-CPS064						CMP30	6565	I
16	COMPASS	-CPS064	*	ERROR EXITS.				CMP30	6566	I
17	COMPASS	-CPS064						CMP30	6567	I
18	COMPASS	-CPS064	LST7	MESSAGE LSTN,,R	*SYSTEM TEXT NOT FOUND.*			CMP30	6568	I
19	COMPASS	-CPS064	EQ	LST9				CMP30	6569	I
20	COMPASS	-CPS064	LST7A	MESSAGE LSTS,,R	*INSUFFICIENT STORAGE FOR SYSTEM TEXT.*			CMP30	6570	I
21	COMPASS	-CPS064	EQ	LST9				CMP30	6571	I
22	COMPASS	-CPS064	LST8	MESSAGE LSTF,,R	*IMPROPER SYSTEM TEXT FORMAT.*			CMP30	6572	I
23	COMPASS	-CPS064	LST9	SA1	CP.LIB			CMP30	6573	I
24	COMPASS	-CPS064	SA2	CP.STEXT+X1	GET OVERLAY NAME			CMP30	6574	I
25	COMPASS	-CPS064	SX6	2RS=				CMP30	6575	I
26	COMPASS	-CPS064	SX3	X2				CMP30	6576	I

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-CPS064

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS064

1	COMPASS	-CPS064	MESSAGE LSTM,,R			CMP30	6603	I	1
2	COMPASS	-CPS064				CMP30	6604	I	2
3	COMPASS	-CPS064	MX6 0			CMP30	6605	I	3
4	COMPASS	-CPS064	SA6 L.MEMORY			CMP30	6606	I	4
5	COMPASS	-CPS064	EQ LST6			CMP30	6607	I	5
6	COMPASS	-CPS064				CMP30	6608	I	6
7	COMPASS	-CPS064				CMP30	6609	I	7
8	COMPASS	-CPS064	LSTN DATA C* SYSTEM TEXT NOT FOUND.*			CMP30	6610	I	8
9	COMPASS	-CPS064	LSTS DATA C* INSUFFICIENT STORAGE FOR SYSTEM TEXT.*			CMP30	6611	I	9
10	COMPASS	-CPS064	LSTF DATA C* IMPROPER SYSTEM TEXT FORMAT.*			CMP30	6612	I	10
11	COMPASS	-CPS064	LSTM DATA C* BAD SYSTEM TEXT - S=LIBRARY/OVERLAY*			CMP30	6613	I	11
12	COMPASS	-CPS064				CMP30	6614	I	12
13	COMPASS	-CPS064	ENDLST BSS 0	END OF SYSTEXT INITIALIZATION CODE		CMP30	6615	I	13
14	COMPASS	-CPS064	OPF SPACE 4			CMP30	6616	I	14
15	COMPASS	-CPS064	** OPF - OPEN FILES.			CMP30	6617	I	15
16	COMPASS	-CPS064				CMP30	6618	I	16
17	COMPASS	-CPS064				CMP30	6619	I	17
18	COMPASS	-CPS064	OPF PS	RETURN EXIT		CMP30	6620	I	18
19	COMPASS	-CPS064				CMP30	6621	I	19
20	COMPASS	-CPS064	RM IFEQ CP#RM,0			CMP30	6622	I	20
21	COMPASS	-CPS064				CMP30	6623	I	21
22	COMPASS	-CPS064	EVICT R			CMP30	6624	I	22
23	COMPASS	-CPS064	OPEN S,WRITE			CMP30	6625	I	23
24	COMPASS	-CPS064	REWIND S			CMP30	6626	I	24
25	COMPASS	-CPS064	EQ OPF RETURN		S028 839 CPS028	622	I	I	25
26	COMPASS	-CPS064				CMP30	6627	I	26
27	COMPASS	-CPS064				CMP30	6628	I	27
28	COMPASS	-CPS064	RM ELSE			CMP30	6629	I	28
29	COMPASS	-CPS064				CMP30	6630	I	29
30			0 1 2 3 4 5 6 7 8						30
31			123456789012345678901234567890123456789012345678901234567890						31
32									32
33									33
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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS064

1	COMPASS	-CPS064	SA3	E					CMP30	6628	I
2		-CPS064									
3	COMPASS		SA4	0			S028 841	CPS028		623	I
4		-CPS064									
5	COMPASS	-CPS064	ZR	X3,OPF1	IF NO ERROR LISTING				CMP30	6629	I
6		-CPS064									
7	COMPASS	-CPS028	OPENM	E,OUTPUT,N					CMP30	6630	I
8		-CPS028									
9	COMPASS	-CPS064	BX6	X3-X4			S028 843	CPS028		624	I
10		-CPS064									
11	COMPASS	-CPS064	NZ	X6,OPF0	IF NOT SAME FILE NAME AS LONG LISTING FILE	S028 844	CPS028			625	I
12		-CPS064									
13	COMPASS	-CPS064	FETCH	0,OC,X3			S028 845	CPS028		626	I
14		-CPS064									
15	COMPASS	-CPS064	SX3	X3-#YES#			S028 846	CPS028		627	I
16		-CPS064									
17	COMPASS	-CPS064	NZ	X3,OPF0	IF LONG LISTING FILE NOT OPEN		S028 847	CPS028		628	I
18		-CPS064									
19	COMPASS	-CPS064	CLOSEM	0,N			S028 848	CPS028		629	I
20		-CPS064									
21	COMPASS	OPF0	OPENM	E,OUTPUT,N			S028 849	CPS028		630	I
22		-CPS064									
23	COMPASS	OPF1	SA1	B					CMP30	6631	I
24		-CPS064									
25	COMPASS	-CPS028	ZR	X1,OPF	IF NO BINARY				CMP30	6632	I
26		-CPS028									
27	COMPASS	-CPS064	ZR	X1,OPF3	IF NO BINARY		S028 851	CPS028		631	I
28		-CPS064									
29	COMPASS	-CPS064	FETCH	B,OC,X2					CMP30	6633	I
30		-CPS064									
31	COMPASS	-CPS064	SB7	X2-#YES#					CMP30	6634	I
32		-CPS064									
33	COMPASS	-CPS064	ZR	B7,OPF2	IF ALREADY OPEN				CMP30	6635	I
34		-CPS064									
35	COMPASS	-CPS064	OPENM	B,OUTPUT,N					CMP30	6636	I
36		-CPS064									
37	COMPASS	OPF2	FETCH	B,RT,X3					CMP30	6637	I
38		-CPS064									
39	COMPASS	-CPS064	SX7	X3-#WT#					CMP30	6638	I
40		-CPS064									
41	COMPASS	-CPS064	SX4	300000B					CMP30	6639	I
42		-CPS028									
43	COMPASS	-CPS064	SA7	B-1	SAVE BINARY RECORD TYPE				CMP30	6640	I
44		-CPS064									
45	COMPASS	-CPS064	STORE	B,RL=X4					CMP30	6641	I
46		-CPS028									
47	COMPASS	OPF3	OPENM	OPFA,I-0,N	RETURN SCRATCH FILES		S028 854	CPS028		632	I
48		-CPS064									
49	COMPASS	-CPS064	CLOSEM	OPFA,U			S028 855	CPS028		633	I
50		-CPS064									
51	COMPASS	-CPS064	OPENM	OPFB,I-0,N			S028 856	CPS028		634	I
52		-CPS064									

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS064

1	COMPASS	CLOSEM	OPFB,U	S028	857	CPS028	635	I	1
2	-CPS064								2
3	COMPASS	EQ	OPF	RETURN	S028	858	CPS028	636	3
4	-CPS064								4
5	COMPASS				S028	859	CPS028	637	5
6	-CPS064								6
7	COMPASS	OPFA	FILE	LFN=ZZZZZRL,FET=SCR	S028	860	CPS028	638	7
8	-CPS064								8
9	COMPASS	OPFB	FILE	LFN=ZZZZZRM,FET=REF	S028	861	CPS028	639	9
10	-CPS064								10
11	COMPASS						CMP30	6642	11
12	-CPS064								12
13	COMPASS	RM	ENDIF				CMP30	6643	13
14	-CPS064								14
15	COMPASS						CMP30	6644	15
16	-CPS064								16
17	COMPASS	EQ	OPF	RETURN			CMP30	6645	17
18	-CPS028								18
19	COMPASS						CMP30	6646	19
20	-CPS064								20
21	COMPASS	ENDOPF	BSS	0	END OF CODE THAT MUST PRECEDE MANAGED TABLE		CMP30	6647	21
22	-CPS064								22
23	COMPASS	RDD	SPACE	4			CMP14	535	23
24	-CPS064								24
25	COMPASS	**		RDD - READ DEBUGGING DIRECTIVES.			CMP14	536	25
26	-CPS064								26
27	COMPASS	*		READ CARDS FROM FILE *PATCHES* AND COPY THEM			CMP14	537	27
28	-CPS064								28
29	COMPASS	*		TO FILE *SNAPPER* IN LISTABLE FORM.			CMP14	538	29
30	-CPS064								30
31	COMPASS	*		*PATCH CARDS ARE PROCESSED DIRECTLY.			CMP14	539	31
32	-CPS064								32
33	COMPASS	*		*SNAP CARDS CAUSE CONSTRUCTION OF SNAP DESCRIPTOR			CMP14	540	33
34	-CPS064								34
35	COMPASS	*		ENTRIES IN THE *SNAPBUF* TABLE AREA.			CMP14	541	35
36	-CPS064								36
37	COMPASS	*		ALL OTHER CARDS ARE TREATED AS COMMENTS.			CMP14	542	37
38	-CPS064								38
39	COMPASS						CMP14	543	39
40	-CPS064								40
41	COMPASS						CMP14	544	41
42	-CPS064								42
43	COMPASS	DEBUG	IFNE	DEBUG,0			CMP14	545	43
44	-CPS064								44
45	COMPASS	QUAL	DEBUG				CMP14	546	45
46	-CPS064								46
47	COMPASS						CMP14	547	47
48	-CPS064								48
49	COMPASS	RDD	PS	RETURN EXIT			CMP14	548	49
50	-CPS064								50
51	COMPASS						CMP30	6648	51

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

1	COMPASS	-CPS064	RM	IFEQ	CP#RM,0					CMP30	6649	I	1
2		-CPS064											2
3	COMPASS									CMP30	6650	I	3
4		-CPS064											4
5	COMPASS			REWIND	P					CMP14	549	I	5
6		-CPS064											6
7	COMPASS			READ	P	START	READING			CMP14	550	I	7
8		-CPS064											8
9	COMPASS			READC	P,LINE+1,9	READ	FIRST CARD			CMP14	551	I	9
10		-CPS064											10
11	COMPASS			NZ	X1,RDD	IF	NONE			CMP14	552	I	11
12		-CMP30											12
13	COMPASS			NZ	X1,RDDX	IF	NONE			CMP30	6651	I	13
14		-CPS064											14
15	COMPASS			SA0	B6					CMP14	553	I	15
16		-CPS064											16
17	COMPASS			WRITEW	D,DHEAD,LDHEAD	WRITE	HEADER LINE			CMP14	554	I	17
18		-CPS064											18
19	COMPASS			SB6	A0					CMP14	555	I	19
20		-CPS064											20
21	COMPASS			RDDC	SB5	B6-LINE-1	LENGTH OF CARD			CMP14	556	I	21
22		-CPS064											22
23	COMPASS									CMP30	6652	I	23
24		-CPS064											24
25	COMPASS			RM	ELSE					CMP30	6653	I	25
26		-CPS064											26
27	COMPASS									CMP30	6654	I	27
28		-CPS064											28
29	COMPASS			OPENM	P,INPUT,R					CMP30	6655	I	29
30		-CPS028											30
31	COMPASS			OPENM	P,INPUT,N			S028 864	CPS028	640		I	31
32		-CPS064											32
33	COMPASS			REWINDM	P			S028 865	CPS028	641		I	33
34		-CPS064											34
35	COMPASS			GET	P,LINE+1,90					CMP30	6656	I	35
36		-CPS064											36
37	COMPASS			FETCH	P,FP,X2					CMP30	6657	I	37
38		-CPS064											38
39	COMPASS			SX0	EOD					CMP30	6658	I	39
40		-CPS064											40
41	COMPASS			BX3	X0*X2					CMP30	6659	I	41
42		-CPS064											42
43	COMPASS			NZ	X3,RDDX	IF	NO DATA IN PATCHES FILE			CMP30	6660	I	43
44		-CPS064											44
45	COMPASS			OPENM	D,OUTPUT,N	OPEN	SNAPPER FOR LISTING			CMP30	6661	I	45
46		-CPS028											46
47	COMPASS			OPENM	D,I-0,N			S028 867	CPS028	642		I	47
48		-CPS064											48
49	COMPASS			PUT	D,DHEAD,LDHEAD					CMP30	6662	I	49
50		-CPS064											50
51	COMPASS			PUT	D,DHEAD1,10					CMP30	6663	I	51
52													52
53		0	1	2	3	4	5	6	7	8			53
54		123456789012345678901234567890123456789012345678901234567890											54
55													55
56													56
57													57
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59													59
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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

1	COMPASS	-CPS064	RDDC	FETCH	P,RL,X3	RECORD LENGTH	CMP30	6664	I	1
2		-CPS064								2
3	COMPASS		SX2		X3+9		CMP30	6665	I	3
4		-CPS064								4
5	COMPASS		SX1		52429		CMP30	6666	I	5
6		-CPS064								6
7	COMPASS		IX4		X1*X2		CMP30	6667	I	7
8		-CPS064								8
9	COMPASS		AX4		19	RL/10	CMP30	6668	I	9
10		-CPS064								10
11	COMPASS		SB5		X4		CMP30	6669	I	11
12		-CPS064								12
13	COMPASS						CMP30	6670	I	13
14		-CPS064								14
15	COMPASS		RM		ENDIF		CMP30	6671	I	15
16		-CPS064								16
17	COMPASS						CMP30	6672	I	17
18		-CPS064								18
19	COMPASS		SB7		8		CMP14	557	I	19
20		-CPS064								20
21	COMPASS		+		SB6	B1	CMP14	558	I	21
22		-CPS064								22
23	COMPASS		GE		B5,B7,*+1	IF MORE THAN 8 WORDS	CMP14	559	I	23
24		-CPS064								24
25	COMPASS		SB7		B5		CMP14	560	I	25
26		-CPS064								26
27	COMPASS		SA1		LINE+1	CARD COLUMNS 1-10	CMP14	561	I	27
28		-CPS064								28
29	COMPASS		SA2		SNAPC		CMP14	562	I	29
30		-CPS064								30
31	COMPASS		SA3		A2+B1		CMP14	563	I	31
32		-CPS064								32
33	COMPASS		IX2		X1-X2		CMP14	564	I	33
34		-CPS064								34
35	COMPASS		BX3		X1-X3		CMP14	565	I	35
36		-CPS064								36
37	COMPASS		ZR		X2,RDDD	IF *SNAP	CMP14	566	I	37
38		-CPS064								38
39	COMPASS		NZ		X3,RDDW	IF NOT *PATCH	CMP14	567	I	39
40		-CPS064								40
41	COMPASS		RDDD		MX0	-6	CMP14	568	I	41
42		-CPS064								42
43	COMPASS		SB4		10	GET FIRST NUMBER, STARTING IN COLUMN 11	CMP14	569	I	43
44		-CPS064								44
45	COMPASS		SA1		A1+B1		CMP14	570	I	45
46		-CPS064								46
47	COMPASS		SX4		B0		S028 869 CPS028	643	I	47
48		-CPS064								48
49	COMPASS		RJ		SCAN		CMP14	571	I	49
50		-CPS064								50
51	COMPASS		NZ		X3,RDDS	IF *SNAP	CMP14	572	I	51
52										52
53		0	1	2	3	4	5	6	7	8
54		1234567890123456789012345678901234567890123456789012345678901234567890								
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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS064

1	COMPASS	-CPS064	SA0	X6						CMP14	573	I
2		-CPS064										
3	COMPASS		RJ	SCAN	GET NEW VALUE					CMP14	574	I
4		-CPS064										
5	COMPASS		SA6	A0	STORE IT					CMP14	575	I
6		-CPS064										
7	COMPASS		EQ	RDDW						CMP14	576	I
8		-CPS064										
9	COMPASS	RDDS	SA2	LSNAPBUF						CMP14	577	I
10		-CPS064										
11	COMPASS		SA3	RJSNAP						CMP14	578	I
12		-CPS064										
13	COMPASS		SA5	X6	FETCH INSTRUCTION WORD					CMP14	579	I
14		-CPS064										
15	COMPASS		IX7	X3+X2						CMP14	580	I
16		-CPS064										
17	COMPASS		BX6	X5	REPLACE WITH RJ SNAPPER					CMP14	581	I
18		-CPS064										
19	COMPASS		SA7	A5						CMP14	582	I
20		-CPS064										
21	COMPASS		SX7	X2+B1						CMP14	583	I
22		-CPS064										
23	COMPASS		SA6	X2+SNAPBUF	SAVE REPLACED INSTRUCTION WORD					CMP14	584	I
24		-CPS064										
25	COMPASS		SA7	A2						CMP14	585	I
26		-CPS064										
27	COMPASS	RDDT	RJ	SCAN	GET FWA					CMP14	586	I
28		-CPS028										
29	COMPASS	RDDT	SX4	B1		S028	871	CPS028			644	I
30		-CPS064										
31	COMPASS		RJ	SCAN	GET FWA	S028	872	CPS028			645	I
32		-CPS064										
33	COMPASS		MI	X7,RDDU	IF TABLE NAME	S028	873	CPS028			646	I
34		-CPS064										
35	COMPASS		MX2	-17						CMP14	587	I
36		-CPS064										
37	COMPASS		BX6	-X2*X6						CMP14	588	I
38		-CPS064										
39	COMPASS		IX5	X6+X7						CMP14	589	I
40		-CPS064										
41	COMPASS		LX5	30						CMP14	590	I
42		-CPS064										
43	COMPASS		RJ	SCAN	GET WORD COUNT					CMP14	591	I
44		-CPS064										
45	COMPASS		MX2	-17						CMP14	592	I
46		-CPS064										
47	COMPASS		BX6	-X2*X6						CMP14	593	I
48		-CPS064										
49	COMPASS		IX6	X6+X7						CMP14	594	I
50		-CPS064										
51	COMPASS		IX6	X6+X5						CMP14	595	I

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-CPS064

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS064

1	COMPASS	-CPS064	BX3	X0*X2					CMP30	6686	I
2	COMPASS	-CPS064	ZR	X3,RDDC	IF NOT END OF DATA				CMP30	6687	I
3	COMPASS	-CPS064	WEOR	D	FLUSH D				CMP30	6688	I
4	COMPASS	-CPS064	RDDX	CLOSEM P,R					CMP30	6689	I
5	COMPASS	-CPS064							CMP30	6690	I
6	COMPASS	-CPS064	RM	ENDIF					CMP30	6691	I
7	COMPASS	-CPS064							CMP30	6692	I
8	COMPASS	-CPS064	EQ	RDD					CMP14	608	I
9	COMPASS	-CPS064	SCAN	SPACE 4					CMP14	609	I
10	COMPASS	**	SCAN	- READ ONE OCTAL NUMBER FROM DEBUG CARD.				S028 877 CPS028	648	I	
11	COMPASS	*	ALL	CHARACTERS OTHER THAN 0-7 , * ARE IGNORED.				CMP14	610	I	
12	COMPASS	*	SCAN	IS STOPPED BY , OR END OF CARD IMAGE.				CMP14	611	I	
13	COMPASS	SCAN	SPACE 4					S028 877 CPS028	648	I	
14	COMPASS	**	SCAN	- READ ONE OCTAL NUMBER OR TABLE NAME FROM DEBUG CARD.				S028 878 CPS028	649	I	
15	COMPASS	*	STOPPED	BY , OR . OR END OF CARD IMAGE.				S028 879 CPS028	650	I	
16	COMPASS	*	ENTRY	(X0) = -77B.				CMP14	613	I	
17	COMPASS	*		(X1) = CURRENT WORD OF CARD IMAGE.				CMP14	614	I	
18	COMPASS	*		(A1) = ADDRESS OF (X1).				CMP14	615	I	
19	COMPASS	*		(B4) = NUMBER OF CHARACTERS REMAINING IN (X1).				CMP14	616	I	
20	COMPASS	*		(B6) = WORD NUMBER.				CMP14	617	I	
21	COMPASS	*		(B7) = WORD COUNT OF CARD IMAGE.				CMP14	618	I	
22	COMPASS	*		(X4) = 0 TO DISALLOW TABLE NAME AND IGNORE ALL				S028 881 CPS028	651	I	
23	COMPASS	*		CHARACTERS OTHER THAN * , . AND 0-7.				S028 882 CPS028	652	I	
24	COMPASS	*		= 1 TO ALLOW TABLE NAME.				S028 883 CPS028	653	I	
25	COMPASS	*	EXIT	(X0), (B7) UNCHANGED.				CMP14	619	I	
26	COMPASS	*		(X1), (A1), (B4), (B6) UPDATED.				CMP14	620	I	
27		0	1	2	3	4	5	6	7	8	
28		1234567890123456789012345678901234567890123456789012345678901234567890									

LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

1	COMPASS	* -CPS064	(X6) = NUMBER SCANNED.			CMP14	621	I	1
2									2
3	COMPASS	* -CPS028	(B6) = (B7) IF . OR END OF CARD IMAGE ENCOUNTERED.		S028 885	CPS028	654	I	3
4									4
5	COMPASS	* -CPS064	(X6) = NUMBER SCANNED, OR		S028 886	CPS028	655	I	5
6									6
7	COMPASS	* -CPS064	= 13/1, 17/0.XXX, 13/1, 17/L.XXX		S028 887	CPS028	656	I	7
8									8
9	COMPASS	* -CPS064	IF TABLE NAME XXX SCANNED.		S028 888	CPS028	657	I	9
10									10
11	COMPASS	* -CPS064	(X7) = 0 IF NO * FOUND,			CMP14	622	I	11
12									12
13	COMPASS	* -CPS064	= 400000B IF AN * FOUND.			CMP14	623	I	13
14									14
15	COMPASS	* -CPS028	= 400000B IF AN * FOUND, OR		S028 890	CPS028	658	I	15
16									16
17	COMPASS	* -CPS064	= -1 IF A TABLE NAME SCANNED.		S028 891	CPS028	659	I	17
18									18
19	COMPASS	-CPS064				CMP14	624	I	19
20									20
21	COMPASS	-CPS064				CMP14	625	I	21
22									22
23	COMPASS	SCAN PS	RETURN EXIT			CMP14	626	I	23
24									24
25	COMPASS	-CPS064	MX6 0			CMP14	627	I	25
26									26
27	COMPASS	-CPS064	SX7 B0			CMP14	628	I	27
28									28
29	COMPASS	-CPS064	GE B6,B7,SCAN IF CARD EXHAUSTED			CMP14	629	I	29
30									30
31	COMPASS	SCAN0 -CPS064	NZ B4,SCAN1 IF WORD NOT EXHAUSTED			CMP14	630	I	31
32									32
33	COMPASS	-CPS064	SB6 B6+B1			CMP14	631	I	33
34									34
35	COMPASS	-CPS064	SA1 A1+B1			CMP14	632	I	35
36									36
37	COMPASS	-CPS064	SB4 10			CMP14	633	I	37
38									38
39	COMPASS	-CPS064	GE B6,B7,SCAN IF CARD EXHAUSTED			CMP14	634	I	39
40									40
41	COMPASS	SCAN1 -CPS064	LX1 6			CMP14	635	I	41
42									42
43	COMPASS	-CPS064	SB4 B4-B1			CMP14	636	I	43
44									44
45	COMPASS	-CPS064	BX2 -X0*X1			CMP14	637	I	45
46									46
47	COMPASS	-CPS064	SX2 X2-1R0			CMP14	638	I	47
48									48
49	COMPASS	-CPS064	SB3 X2-8			CMP14	639	I	49
50									50
51	COMPASS	-CPS064	MI X2,SCAN0 IF COLON OR A-Z			CMP14	640	I	51
52									52
53		0 1 2 3 4 5 6 7 8							53
54		123456789012345678901234567890123456789012345678901234567890							54
55									55
56									56
57									57
58									58
59									59
60									60

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-CPS028

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS064

1	COMPASS	-CPS064	SB4	10	S028 911 CPS028	675	I
2	COMPASS	-CPS064	GE	B6,B7,SCAN8 IF CARD EXHAUSTED	S028 912 CPS028	676	I
3	COMPASS	-CPS064	LX1	6	S028 913 CPS028	677	I
4	COMPASS	-CPS064	SB4	B4-B1	S028 914 CPS028	678	I
5	COMPASS	-CPS064	BX2	-X0*X1 EXTRACT NEXT CHARACTER	S028 915 CPS028	679	I
6	COMPASS	-CPS064	SB3	X2-1R,	S028 916 CPS028	680	I
7	COMPASS	-CPS064	ZR	X2,SCAN6 IF COLON	S028 917 CPS028	681	I
8	COMPASS	-CPS064	ZR	B3,SCAN8 IF COMMA	S028 918 CPS028	682	I
9	COMPASS	-CPS064	NE	B3,B1,SCAN5 IF NOT PERIOD	S028 919 CPS028	683	I
10	COMPASS	-CPS064	SB6	B7 SET END OF CARD	S028 920 CPS028	684	I
11	COMPASS	-CPS064	SA2	TABLES SEARCH LIST OF TABLES	S028 921 CPS028	685	I
12	COMPASS	-CPS064	MX3	-18	S028 922 CPS028	686	I
13	COMPASS	-CPS064	ZR	X2,SCAN+1 IF NOT FOUND, IGNORE FIELD	S028 923 CPS028	687	I
14	COMPASS	-CPS064	BX4	X3*X2	S028 924 CPS028	688	I
15	COMPASS	-CPS064	SB3	X2 TABLE NUMBER	S028 925 CPS028	689	I
16	COMPASS	-CPS064	IX7	X6-X4	S028 926 CPS028	690	I
17	COMPASS	-CPS064	SA2	A2+B1	S028 927 CPS028	691	I
18	COMPASS	-CPS064	NZ	X7,SCAN9 LOOP	S028 928 CPS028	692	I
19	COMPASS	-CPS064	SX3	B1	S028 929 CPS028	693	I
20	COMPASS	-CPS064	SX4	ORIGINS+B3	S028 930 CPS028	694	I
21	COMPASS	-CPS064	LX3	17	S028 931 CPS028	695	I
22	COMPASS	-CPS064	BX4	X4+X3 SETUP (X6) FOR TABLE	S028 932 CPS028	696	I
23	COMPASS	-CPS064	SX6	SIZES+B3	S028 933 CPS028	697	I
24	COMPASS	-CPS064	LX4	30	S028 934 CPS028	698	I
25	COMPASS	-CPS064	BX6	X6+X3	S028 935 CPS028	699	I
26	COMPASS	-CPS064	SX7	-B1 (X7) = -1	S028 936 CPS028	700	I

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-CPS064

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-CPS064

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

1	COMPASS	-CPS064	SBA	SPACE	4					CMP30	6714	I	1
2		-CPS064											2
3	COMPASS	**	SBA	-	SET BUFFER ADDRESS.					CMP30	6715	I	3
4		-CPS064											4
5	COMPASS	*	ENTRY	(X0)	= BUFFER FIRST WORD ADDRESS.					CMP30	6716	I	5
6		-CPS064											6
7	COMPASS	*		(X1)	= FET/FIT ADDRESS.					CMP30	6717	I	7
8		-CPS064											8
9	COMPASS	*	EXIT	(X0)	= BUFFER LAST WORD ADDRESS + 1.					CMP30	6718	I	9
10		-CPS064											10
11	COMPASS									CMP30	6719	I	11
12		-CPS064											12
13	COMPASS									CMP30	6720	I	13
14		-CPS064											14
15	COMPASS	SBA	PS		RETURN EXIT					CMP30	6721	I	15
16		-CPS064											16
17	COMPASS									CMP30	6722	I	17
18		-CPS064											18
19	COMPASS	RM	IFEQ	CP#RM,0						CMP30	6723	I	19
20		-CPS064											20
21	COMPASS									CMP30	6724	I	21
22		-CPS064											22
23	COMPASS		SA4	X1+B1	READ FIRST					CMP30	6725	I	23
24		-CPS064											24
25	COMPASS		BX6	X4+X0						CMP30	6726	I	25
26		-CPS064											26
27	COMPASS		LX7	X0						CMP30	6727	I	27
28		-CPS064											28
29	COMPASS		SA6	X1+B1	SET FIRST					CMP30	6728	I	29
30		-CPS064											30
31	COMPASS		SA7	A6+B1	SET IN					CMP30	6729	I	31
32		-CPS064											32
33	COMPASS		SA7	A7+B1	SET OUT					CMP30	6730	I	33
34		-CPS064											34
35	COMPASS		SA2	A7+B1	READ LIMIT					CMP30	6731	I	35
36		-CPS064											36
37	COMPASS		IX6	X7+X2						CMP30	6732	I	37
38		-CPS064											38
39	COMPASS		SA6	A7+B1	SET LIMIT					CMP30	6733	I	39
40		-CPS064											40
41	COMPASS		IX0	X0+X2						CMP30	6734	I	41
42		-CPS064											42
43	COMPASS									CMP30	6735	I	43
44		-CPS064											44
45	COMPASS	RM	ELSE							CMP30	6736	I	45
46		-CPS064											46
47	COMPASS	RM	IFC	LT, "MODEL"	75					CMP30	6737	I	47
48		-CPS028											48
49	COMPASS	RM	IFEQ	CP#RM,6		S028	950	CPS028	710			I	49
50		-CPS064											50
51	COMPASS									CMP30	6738	I	51
52													52
53		0	1	2	3	4	5	6	7	8			53
54		1234567890123456789012345678901234567890123456789012345678901234567890											54
55													55
56													56
57													57
58													58
59													59
60													60

LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS064

1	COMPASS	-CPS064	STORE	X1,FWB=X0	SET FWA BUFFER	CMP30	6739	I	1
2		-CPS064							2
3	COMPASS	-CPS064	FETCH	X1,BFS,X2	READ BUFFER SIZE	CMP30	6740	I	3
4		-CPS064							4
5	COMPASS	-CPS064	IX0	X0+X2		CMP30	6741	I	5
6		-CPS064							6
7	COMPASS	-CPS064				CMP30	6742	I	7
8		-CPS064							8
9	COMPASS	RM	ENDIF			CMP30	6743	I	9
10		-CPS064							10
11	COMPASS	-CPS064				CMP30	6744	I	11
12		-CPS064							12
13	COMPASS	-CPS064	EQ	SBA	RETURN	CMP30	6745	I	13
14		-CPS064							14
15	COMPASS	SFL	SPACE	4		CMP30	6746	I	15
16		-CPS064							16
17	COMPASS	**	SFL	-	SET FIELD LENGTH.	CMP30	6747	I	17
18		-CPS064							18
19	COMPASS	-CPS064				CMP30	6748	I	19
20		-CPS064							20
21	COMPASS	-CPS064				CMP30	6749	I	21
22		-CPS064							22
23	COMPASS	SFL	PS		RETURN EXIT	CMP30	6750	I	23
24		-CPS064							24
25	COMPASS	-CPS064	SA1	CP.NFLS		CMP30	6751	I	25
26		-CPS064							26
27	COMPASS	-CPS064	SA2	LOCORE		CMP30	6752	I	27
28		-CPS064							28
29	COMPASS	-CPS064	SX6	X1-10	ALLOW TEN WORDS FOR SLOP	CMP30	6753	I	29
30		-CPS064							30
31	COMPASS	-CPS064	IX7	X6-X2		CMP30	6754	I	31
32		-CPS064							32
33	COMPASS	-CPS064	SB7	X7-NOPCT*2-NSYMT*2		CMP30	6755	I	33
34		-CPS064							34
35	COMPASS	-CPS064	SA6	O.ENDTAB	SAVE END OF MANAGED TABLE AREA	CMP30	6756	I	35
36		-CPS064							36
37	COMPASS	-CPS064	SA7	SIZCORE		CMP30	6757	I	37
38		-CPS064							38
39	COMPASS	-CPS064	PL	B7,SFL	IF ENOUGH ROOM	CMP30	6758	I	39
40		-CPS028							40
41	COMPASS	-CPS064	PL	B7,SFL1	IF ENOUGH ROOM	S028 952 CPS028	711	I	41
42		-CPS064							42
43	COMPASS	-CPS064	SX1	X2+NOPCT*2+NSYMT*2+10D+77B		CMP30	6759	I	43
44		-CPS064							44
45	COMPASS	-CPS064	AX1	6		CMP30	6760	I	45
46		-CPS028							46
47	COMPASS	-CPS064	MX0	-6		S028 954 CPS028	712	I	47
48		-CPS064							48
49	COMPASS	-CPS064	BX1	X0*X1		S028 955 CPS028	713	I	49
50		-CPS064							50
51	COMPASS	-CPS064	RJ	COCT	CONVERT TO OCTAL	CMP30	6761	I	51

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-CPS064

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

1	COMPASS	-CPS064	NZ	X2,*+1	IF NOT *S=0*	S028	975	CPS028	731	I	1
2		-CPS064									2
3	COMPASS		SX6	10000B		S028	976	CPS028	732	I	3
4		-CPS064									4
5	COMPASS	+	IX2	X1-X6		S028	977	CPS028	733	I	5
6		-CPS064									6
7	COMPASS		PL	X2,SFL	IF ENOUGH ROOM	S028	978	CPS028	734	I	7
8		-CPS064									8
9	COMPASS		LX6	30		S028	979	CPS028	735	I	9
10		-CPS064									10
11	COMPASS		SA6	SFLB		S028	980	CPS028	736	I	11
12		-CPS064									12
13	COMPASS		MEMORY	ECS,SFLB,R	REQUEST MORE LCM FIELD LENGTH	S028	981	CPS028	737	I	13
14		-CPS064									14
15	COMPASS		SA1	SFLB		S028	982	CPS028	738	I	15
16		-CPS064									16
17	COMPASS		AX1	30		S028	983	CPS028	739	I	17
18		-CPS064									18
19	COMPASS		BX6	X1	UPDATE ACTUAL FIELD LENGTH	S028	984	CPS028	740	I	19
20		-CPS064									20
21	COMPASS		SA6	CP.AFLL		S028	985	CPS028	741	I	21
22		-CPS064									22
23	COMPASS		EQ	SFL	RETURN	S028	986	CPS028	742	I	23
24		-CPS064									24
25	COMPASS	LCM	ENDIF			S028	987	CPS028	743	I	25
26		-CPS064									26
27	COMPASS							CMP30	6771	I	27
28		-CPS064									28
29	COMPASS	SFLA	DATA	C*	COMPASS NEEDS AT LEAST 00000B SCM.*			CMP30	6772	I	29
30		-CPS064									30
31	COMPASS	SFLB	DATA	0		S028	993	CPS028	744	I	31
32		-CPS064									32
33	COMPASS	SFP	SPACE	4				CMP30	6773	I	33
34		-CPS064									34
35	COMPASS	**	SFP	-	SET FILE PARAMETERS.			CMP30	6774	I	35
36		-CPS064									36
37	COMPASS							CMP30	6775	I	37
38		-CPS064									38
39	COMPASS							CMP30	6776	I	39
40		-CPS064									40
41	COMPASS	SFP	PS		RETURN EXIT			CMP30	6777	I	41
42		-CPS064									42
43	COMPASS					S028	989	CPS028	745	I	43
44		-CPS064									44
45	COMPASS		IFNE	CP#RM,0,1		S028	990	CPS028	746	I	45
46		-CPS064									46
47	COMPASS		STORE	I,DX=0		S028	991	CPS028	747	I	47
48		-CPS064									48
49	COMPASS							CMP30	6778	I	49
50		-CPS064									50
51	COMPASS		SA3	E				CMP30	6779	I	51
52											52
53		0	1	2	3	4	5	6	7	8	53
54		123456789012345678901234567890123456789012345678901234567890									54
55											55
56											56
57											57
58											58
59											59
60											60

LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS064

1	COMPASS	-CPS064	SA4	CP.LISTF		CMP30	6780	I	1
2		-CPS064							2
3	COMPASS	-CPS064	SX0	BUFFERS		CMP30	6781	I	3
4		-CPS064							4
5	COMPASS	-CPS064	ZR	X3,SFP2	IF NO ERROR FILE	CMP30	6782	I	5
6		-CPS064							6
7	COMPASS	-CPS064	ZR	X4,SFP1	IF NO LONG LISTING WANTED	CMP30	6783	I	7
8		-CPS064							8
9	COMPASS	-CPS064	SA4	0		CMP30	6784	I	9
10		-CPS064							10
11	COMPASS	-CPS064	MX6	42		CMP30	6785	I	11
12		-CPS064							12
13	COMPASS	-CPS064	BX5	X3-X4	COMPARE ERROR AND MAIN LISTING FILE NAMES	CMP30	6786	I	13
14		-CPS064							14
15	COMPASS	-CPS064	BX6	X6*X5		CMP30	6787	I	15
16		-CPS064							16
17	COMPASS	-CPS064	NZ	X6,SFP1	IF NOT SAME FILE	CMP30	6788	I	17
18		-CPS064							18
19	COMPASS	-CPS064	SA6	A3	CLEAR ERROR FILE	CMP30	6789	I	19
20		-CPS064							20
21	COMPASS	-CPS064	EQ	SFP2		CMP30	6790	I	21
22		-CPS064							22
23	COMPASS	-CPS064	SFP1	BSS	0	CMP30	6791	I	23
24		-CPS064							24
25	COMPASS	-CPS064				CMP30	6792	I	25
26		-CPS064							26
27	COMPASS	-CPS064	IFEQ	CP#RM,0,2		CMP30	6793	I	27
28		-CPS064							28
29	COMPASS	-CPS064	SA2	E+2		CMP30	6794	I	29
30		-CPS064							30
31	COMPASS	-CPS064	ELSE	2		CMP30	6795	I	31
32		-CPS064							32
33	COMPASS	-CPS064	IFC	LT, "MODEL" 75 ,1		CMP30	6796	I	33
34		-CPS064							34
35	COMPASS	-CPS064	FETCH	E,FWB,X2		CMP30	6797	I	35
36		-CPS064							36
37	COMPASS	-CPS064				CMP30	6798	I	37
38		-CPS064							38
39	COMPASS	-CPS064	SX1	A3		CMP30	6799	I	39
40		-CPS064							40
41	COMPASS	-CPS064	NZ	X2,SFP2	IF BUFFERS HAVE BEEN SWITCHED	CMP30	6800	I	41
42		-CPS064							42
43	COMPASS	-CPS064	RJ	SBA	SET ERROR BUFFER ADDRESS	CMP30	6801	I	43
44		-CPS064							44
45	COMPASS	-CPS064	SFP2	SA3	CP.LISTF	CMP30	6802	I	45
46		-CPS064							46
47	COMPASS	-CPS064	SX1	R		CMP30	6803	I	47
48		-CPS064							48
49	COMPASS	-CPS064	ZR	X3,SFP3	IF NO LISTING	CMP30	6804	I	49
50		-CPS064							50
51	COMPASS	-CPS064	RJ	SBA	SET CROSS REFERENCE BUFFER ADDRESS	CMP30	6805	I	51
52		-CPS064							52

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-CPS064

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

1	COMPASS	B	IFC	LT, "MODEL " 75	S028 998	CPS028	750	I	1	
2		-CPS064							2	
3	COMPASS		SX2	BBUFL	S028 999	CPS028	751	I	3	
4		-CPS064							4	
5	COMPASS		STORE	B,BFS=X2	S0281000	CPS028	752	I	5	
6		-CPS064							6	
7	COMPASS	B	ENDIF			CMP30	6830	I	7	
8		-CPS064							8	
9	COMPASS					CMP30	6831	I	9	
10		-CPS064							10	
11	COMPASS		SX1	B		CMP30	6832	I	11	
12		-CPS064							12	
13	COMPASS		SX3	X0		CMP30	6833	I	13	
14		-CPS064							14	
15	COMPASS		RJ	SBA	SET BINARY BUFFER ADDRESS	CMP30	6834	I	15	
16		-CPS064							16	
17	COMPASS					CMP30	6835	I	17	
18		-CPS064							18	
19	COMPASS		IFEQ	CP#RM,0,2		CMP30	6836	I	19	
20		-CPS064							20	
21	COMPASS		SX1	X		CMP30	6837	I	21	
22		-CPS064							22	
23	COMPASS		ELSE	1		CMP30	6838	I	23	
24		-CPS064							24	
25	COMPASS		SX1	/PASS1/XDUM		CMP30	6839	I	25	
26		-CPS064							26	
27	COMPASS					CMP30	6840	I	27	
28		-CPS064							28	
29	COMPASS		SX0	X3	BINARY BUFFER ADDRESS	CMP30	6841	I	29	
30		-CPS064							30	
31	COMPASS		RJ	SBA	SET XTEXT BUFFER ADDRESS	CMP30	6842	I	31	
32		-CPS064							32	
33	COMPASS					CMP30	6843	I	33	
34		-CPS064							34	
35	COMPASS		IFNE	DEBUG,0,3		CMP30	6844	I	35	
36		-CPS064							36	
37	COMPASS		SX0	X3		CMP30	6845	I	37	
38		-CPS064							38	
39	COMPASS		SX1	/DEBUG/P		CMP30	6846	I	39	
40		-CPS064							40	
41	COMPASS		RJ	SBA	SET PATCHES BUFFER ADDRESS	CMP30	6847	I	41	
42		-CPS064							42	
43	COMPASS					CMP30	6848	I	43	
44		-CPS064							44	
45	COMPASS		BX1	X0		CMP30	6849	I	45	
46		-CPS064							46	
47	COMPASS		RJ	ACL	ADJUST CORE LIMITS	CMP30	6850	I	47	
48		-CPS064							48	
49	COMPASS					CMP30	6851	I	49	
50		-CPS064							50	
51	COMPASS		EQ	SFP	RETURN	CMP30	6852	I	51	
52									52	
53		0	1	2	3	4	5	6	7	8
54		123456789012345678901234567890123456789012345678901234567890								
55										
56										
57										
58										
59										
60										

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS064

COMPASS SIR SPACE 4

CMP30

6853

I

-CPS028

COMPASS \*\* SIR - SET INTERFACE REGION.

CMP30

6854

I

-CPS028

COMPASS \* ENTRY (A0) = SCM FIELD LENGTH.

CMP30

6855

I

-CPS028

COMPASS \* (X0) = LCM FIELD LENGTH.

CMP30

6856

I

-CPS028

COMPASS

CMP30

6857

I

-CPS028

COMPASS

CMP30

6858

I

-CPS028

COMPASS OLDIR IFNE CP#IR,0

CMP30

6859

I

-CPS028

COMPASS

CMP30

6860

I

-CPS028

COMPASS SIR PS RETURN EXIT

CMP30

6861

I

-CPS028

COMPASS SA1 77B

CMP30

6862

I

-CPS028

COMPASS PL X1,SIR IF NOT CALLED BY A COMPILER

CMP30

6863

I

-CPS028

COMPASS SX7 X1-1

CMP30

6864

I

-CPS028

COMPASS SA7 CP.BATCH BATCH CONTROL CELL

CMP30

6865

I

-CPS028

COMPASS SX6 A0 STORE FIELD LENGTHS

CMP30

6866

I

-CPS028

COMPASS BX7 X0

CMP30

6867

I

-CPS028

COMPASS SA6 CP.AFLLS

CMP30

6868

I

-CPS028

COMPASS SA7 CP.AFLL

CMP30

6869

I

-CPS028

COMPASS SA6 CP.NFLLS

CMP30

6870

I

-CPS028

COMPASS SA7 CP.NFLL

CMP30

6871

I

-CPS028

COMPASS SA1 53B SYSTEXT NAME

CMP30

6872

I

-CPS028

COMPASS BX6 X1

CMP30

6873

I

-CPS028

COMPASS LX1 18

CMP30

6874

I

-CPS028

COMPASS SX7 X1-1L0

CMP30

6875

I

-CPS028

COMPASS SA6 CP.STEXT+1

CMP30

6876

I

-CPS028

COMPASS + NZ X7,\*+1 IF NOT \*S=0\*

CMP30

6877

I

-CPS028

COMPASS SA7 CP.LIB

CMP30

6878

I

0	1	2	3	4	5	6	7	8
1234567890123456789012345678901234567890123456789012345678901234567890								



LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS028

1	COMPASS	-CPS028	SA4	70B	LIST FLAG	CMP30	6879	I	1
2	COMPASS	-CPS028	SA5	62B	ERROR COUNT	CMP30	6880	I	2
3	COMPASS	-CPS028	SX7	B1		CMP30	6881	I	3
4	COMPASS	-CPS028	BX6	X5		CMP30	6882	I	4
5	COMPASS	-CPS028	SA6	CP.ERRCT		CMP30	6883	I	5
6	COMPASS	-CPS028	SA3	72B		CMP30	6884	I	6
7	COMPASS	-CPS028	BX7	X7*X4		CMP30	6885	I	7
8	COMPASS	-CPS028	MX0	42		CMP30	6886	I	8
9	COMPASS	-CPS028	SA7	CP.LISTF		CMP30	6887	I	9
10	COMPASS	-CPS028	NZ	X3,*+1	IF RUN(P)	CMP30	6888	I	10
11	COMPASS	-CPS028	SA3	71B	LGO FILE NAME	CMP30	6889	I	11
12	COMPASS	-CPS028	BX6	X0*X3		CMP30	6890	I	12
13	COMPASS	-CPS028				CMP30	6891	I	13
14	COMPASS	-CPS028	IFEQ	CP#RM,0,2		CMP30	6892	I	14
15	COMPASS	-CPS028	SX4	3		CMP30	6893	I	15
16	COMPASS	-CPS028	BX6	X6+X4		CMP30	6894	I	16
17	COMPASS	-CPS028				CMP30	6895	I	17
18	COMPASS	-CPS028	SA6	B		CMP30	6896	I	18
19	COMPASS	-CPS028	SA1	100B	PAGE NUMBERING FLAG	CMP30	6897	I	19
20	COMPASS	-CPS028	BX6	X1		CMP30	6898	I	20
21	COMPASS	-CPS028	SA6	CP.PAGE		CMP30	6899	I	21
22	COMPASS	-CPS028	SX1	10	SOURCE CARD IMAGE	CMP30	6900	I	22
23	COMPASS	-CPS028	SX2	41B		CMP30	6901	I	23
24	COMPASS	-CPS028	SX3	CP.CARD		CMP30	6902	I	24
25	COMPASS	-CPS028	RJ	MOVE		CMP30	6903	I	25
26	COMPASS	-CPS028	SA1	102B	EXIT JUMP INSTRUCTION	CMP30	6904	I	26

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CPS028

1	COMPASS	-CPS028	BX6	X1						CMP30	6905	I
2		-CPS028										
3	COMPASS		SA6	CP.STOP						CMP30	6906	I
4		-CPS028										
5	COMPASS		EQ	SIR	RETURN					CMP30	6907	I
6		-CPS028										
7	COMPASS									CMP30	6908	I
8		-CPS028										
9	COMPASS	OLDIR	ENDIF							CMP30	6909	I
10		-CPS028										
11	COMPASS	ZLC	SPACE	4						CMP30	6910	I
12		-CPS064										
13	COMPASS	**	ZLC	- ZERO FIRST 100B WORDS OF LCM FIELD LENGTH, IF ANY.						CMP30	6911	I
14		-CPS064										
15	COMPASS	*	THIS AREA IS USED BY *CLS* FOR RAPID CLEARING OF SCM AREAS.							CMP30	6912	I
16		-CPS064										
17	COMPASS									CMP30	6913	I
18		-CPS064										
19	COMPASS									CMP30	6914	I
20		-CPS064										
21	COMPASS	ZLC	PS	RETURN	EXIT					CMP30	6915	I
22		-CPS064										
23	COMPASS		SA1	CP.NFLL						CMP30	6916	I
24		-CPS028										
25	COMPASS		SA1	CP.AFLL			S0281003	CPS028	753	I		
26		-CPS064										
27	COMPASS		ZR	X1,ZLC	IF NO LCM FIELD LENGTH					CMP30	6917	I
28		-CPS064										
29	COMPASS		MX1	0						CMP30	6918	I
30		-CPS064										
31	COMPASS		SX2	ZLCA						CMP30	6919	I
32		-CPS064										
33	COMPASS		SX3	100B						CMP30	6920	I
34		-CPS064										
35	COMPASS		RJ	WLC	WRITE LCM					CMP30	6921	I
36		-CPS064										
37	COMPASS		EQ	ZLC	RETURN					CMP30	6922	I
38		-CPS064										
39	COMPASS									CMP30	6923	I
40		-CPS064										
41	COMPASS	ZLCA	BSSZ	100B						CMP30	6924	I
42		-CPS064										
43	COMPASS	COMMON	SPACE	4						COMPASS	19125	I
44		-CMP20										
45	COMPASS	**	INITIALIZATION COMMON DECKS.							COMPASS	19126	I
46		-CMP20										
47	COMPASS									COMPASS	19127	I
48		-CMP20										
49	COMPASS									COMPASS	19128	I
50		-CMP20										
51	COMPASS	*CALL	COMCOPE							COMPASS	19129	I

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

-CMP20

1	COMPASS	BUFFERS	TITLE	BUFFERS - INPUT/OUTPUT BUFFERS	CMP20	383	I	1
2		-CPS064						2
3	COMPASS	ENDB	BSS	0	COMPASS	19130	I	3
4		-CPS064						4
5	COMPASS	BUFFERS	SPACE	4	COMPASS	19131	I	5
6		-CPS064						6
7	COMPASS	**		BUFFERS - INPUT/OUTPUT BUFFERS.	COMPASS	19132	I	7
8		-CPS064						8
9	COMPASS				COMPASS	19133	I	9
10		-CPS064						10
11	COMPASS				COMPASS	19134	I	11
12		-CPS064						12
13	COMPASS		ORG	BUF	COMPASS	19135	I	13
14		-CPS064						14
15	COMPASS	ENDA	SPACE	4,8	CPS064	1895	A	15
16	COMPASS	**		END OF SECONDARY OVERLAY.	CPS064	1896	A	16
17	COMPASS				CPS064	1897	A	17
18	COMPASS				CPS064	1898	A	18
19	COMPASS		QUAL		CPS064	1899	A	19
20	COMPASS	ENDA	BSS	0	CPS064	1900	A	20
21	COMPASS	ENDB	BSS	0	CPS064	1901	A	21
22	COMPASS	BUFFERS	TITLE	BUFFERS - INPUT/OUTPUT BUFFERS.	CPS064	1902	A	22
23	COMPASS	**		BUFFERS - INPUT/OUTPUT BUFFERS.	CPS064	1903	I	23
24		-CPSA097						24
25	COMPASS	****		BUFFERS - INPUT/OUTPUT BUFFERS.	CPSA097	CPSA097	14	25
26	COMPASS				CPS064	1904	A	26
27	COMPASS				CPS064	1905	A	27
28	COMPASS		USE	BUFFERS	CPS064	1906	A	28
29	COMPASS		SEG	BUFFERS.	CPS064	1907	A	29
30	COMPASS	STYPE	BSS	1	COMPASS	19136	A	30
31	COMPASS	CARD	BSS	71*NCARDS+30	COMPASS	19137	A	31
32	COMPASS	SEQ	BSS	2*NCARDS	COMPASS	19138	A	32
33	COMPASS	ENDSEQ	BSS	2*NCARDS	CMP30	6925	A	33
34	COMPASS	VALUES	BSS	NLITS	COMPASS	19139	A	34
35	COMPASS	RELVEC	BSS	256	COMPASS	19140	A	35
36	COMPASS	SQIMAGE	EQU	RELVEC+66	COMPASS	19141	I	36
37		-CMP1						37
38	COMPASS		IFLE	RELVEC+256,SQIMAGE+71*NCARDS/10+3,1	COMPASS	19142	I	38
39		-CMP1						39
40	COMPASS		BSS	SQIMAGE+71*NCARDS/10+3-*	COMPASS	19143	I	40
41		-CMP1						41
42	COMPASS	SQIMAGE	BSS	71*NCARDS/10+3	CMP1	54	A	42
43	COMPASS	BUFFERS	BSS	0	COMPASS	19144	A	43
44	COMPASS		IFEQ	OVERLAY,0,1	CPS064	1908	A	44
45	COMPASS	GBUF	BSS	0	CPS064	1909	A	45
46	COMPASS	EBUF	BSS	EBUFL	COMPASS	19145	A	46
47	COMPASS	RBUF	BSS	RBUFL	COMPASS	19146	A	47
48	COMPASS	SBUF	BSS	SBUFL	COMPASS	19147	A	48
49	COMPASS	DBUF	BSS	DBUFL	CMP14	674	A	49
50	COMPASS	BBUF	BSS	BBUFL	COMPASS	19148	A	50
51	COMPASS	BUCKET	BSS	0	COMPASS	19149	A	51

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN COMPASS

	CPS061	10	8	
1	CPS062	38	38	1
2	CPS063	2	2	2
3	CPS064	1907	1845	3
4	CMP146A	2	2	4
5	CMP149	2	2	5
6	CPS057	2	1	6
7	CPS066	7	7	7
8	CPS069	24	24	8
9	CPS073	20	20	9
10	CP114	47	38	10
11	CPSCPRT	1	0	11
12	CP096A	505	493	12
13	CPS106	3	3	13
14	CPS110	2	2	14
15	S3143CP	12	6	15
16	CPS*76	2	1	16
17	CP139CP	72	55	17
18	CP147	526	490	18
19	CP154	52	52	19
20	CPS085	17	17	20
21	CPS126	1	1	21
22	CPS127	6	6	22
23	CPS135	9	9	23
24	CPS153	2	1	24
25	CPS*77	1	0	25
26	CPSVER34	1	0	26
27	CP161CP	3	2	27
28	F7540CP	140	2	28
29	CPS146	1	1	29
30	CPS167	4	0	30
31	CPS118X	16	16	31
32	CPS173	19	19	32
33	CPS076X	7	0	33
34	CPS144	15	15	34
35	CPS147X	6	6	35
36	CPS151	8	8	36
37	CPS161	3	1	37
38	CPS164X	4	4	38
39	CPS172	24	24	39
40	CPS176	11	8	40
41	FEAT184N	57	55	41
42	FEAT184NA	4	4	42
43	CPS*78	1	0	43
44	CPSA070	7	7	44
45	CPSA083	6	6	45
46	CPSA096	6	6	46
47	CPSA098	4	4	47
48	CPSA097	11	11	48
49	CPSA094	7	7	49
50	CPS168	3	3	50
51	CPSA106	4	4	51
52				52
53	0	1	2	53
54	1234567890123456789012345678901234567890123456789012345678901234567890	3	4	54
55				55
56				56
57				57
58				58
59				59
60				60

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CPSA287	35	35
CPSA288	209	209
CPSA293	77	77
CPSA297	46	46
CPSA300	1	1
CPS2658	8	8
CPS2659	10	10
CPS2672	31	31
CPS2660	9	9
CPSA291	6	6
CPSA305	8	8
CPS0328	3	3
PSRLEVEL	2	2

AIDTEXT	*DECK,	AIDTEXT	
AIDTEXT		IDENT	AIDTEXT
AIDTEXT		STEXT	
AIDTEXT		TITLE	AID - REDEFINE INSTRUCTIONS FOR V.
AIDTEXT		SPACE	4,8
AIDTEXT	**	REDEFINE	*OBI BJ* TO BE ILLEGAL OPCODE.
AIDTEXT			
AIDTEXT	'BB	CPSYN	OBB
AIDTEXT			
AIDTEXT		PURGDEF	OBB
AIDTEXT			
AIDTEXT	OBB	OPDEF	I,J
AIDTEXT	0	ERR	*OB_I B_J* REDEFINED FOR V
AIDTEXT		'B_I	B_J
AIDTEXT		ENDM	
AIDTEXT		SPACE	4,8
AIDTEXT	**	REDEFINE	*RO BK* TO BE ILLEGAL OPCODE.
AIDTEXT			
AIDTEXT	'OB	CPSYN	ROB
AIDTEXT			
AIDTEXT		PURGDEF	ROB
AIDTEXT			
AIDTEXT	ROB	OPDEF	I
AIDTEXT	0	ERR	*RO B_I* REDEFINED FOR V
AIDTEXT		'O	B_I
AIDTEXT		ENDM	
AIDTEXT		SPACE	4,8
AIDTEXT	**	REDEFINE	*SB0 BJ+BK* TO BE ILLEGAL OPCODE.
AIDTEXT			
AIDTEXT	#BB+B	CPSYN	SBB+B
AIDTEXT			
AIDTEXT		PURGDEF	SBB+B
AIDTEXT			
AIDTEXT	SBB+B	OPDEF	I,J,K
AIDTEXT	0	ERRZR	I *SB0 B_J+B_K* REDEFINED FOR V
AIDTEXT		#B I	B J+B K

[illegible]

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN AIDTEXT

	AIDTEXT	ENDM		AIDTEXT	38	A
1	AIDTEXT	SPACE 4,8		AIDTEXT	39	A
2	AIDTEXT **	REDEFINE *SB0 BJ-BK* TO BE ILLEGAL OPCODE.		AIDTEXT	40	A
3	AIDTEXT			AIDTEXT	41	A
4	AIDTEXT #BB-B	CPSYN SBB-B		AIDTEXT	42	A
5	AIDTEXT			AIDTEXT	43	A
6	AIDTEXT	PURGDEF SBB-B		AIDTEXT	44	A
7	AIDTEXT			AIDTEXT	45	A
8	AIDTEXT SBB-B	OPDEF I,J,K		AIDTEXT	46	A
9	AIDTEXT 0	ERRZR I *SB0 B_J-B_K* REDEFINED FOR V		AIDTEXT	47	A
10	AIDTEXT	#B_I B_J-B_K		AIDTEXT	48	A
11	AIDTEXT	ENDM		AIDTEXT	49	A
12	AIDTEXT	SPACE 4,8		AIDTEXT	50	A
13	AIDTEXT **	REDEFINE *SB0 -BJ+BK* TO BE ILLEGAL OPCODE.		AIDTEXT	51	A
14	AIDTEXT			AIDTEXT	52	A
15	AIDTEXT #B-B+B	CPSYN SB-B+B		AIDTEXT	53	A
16	AIDTEXT			AIDTEXT	54	A
17	AIDTEXT	PURGDEF SB-B+B		AIDTEXT	55	A
18	AIDTEXT			AIDTEXT	56	A
19	AIDTEXT SB-B+B	OPDEF I,J,K		AIDTEXT	57	A
20	AIDTEXT 0	ERRZR I *SB0 -B_J+B_K* REDEFINED FOR V		AIDTEXT	58	A
21	AIDTEXT	#B_I -B_J+B_K		AIDTEXT	59	A
22	AIDTEXT	ENDM		AIDTEXT	60	A
23	AIDTEXT	SPACE 4,8		AIDTEXT	61	A
24	AIDTEXT **	REDEFINE *SB0 BJ* TO BE ILLEGAL OPCODE.		AIDTEXT	62	A
25	AIDTEXT			AIDTEXT	63	A
26	AIDTEXT #BB	CPSYN SBB		AIDTEXT	64	A
27	AIDTEXT			AIDTEXT	65	A
28	AIDTEXT	PURGDEF SBB		AIDTEXT	66	A
29	AIDTEXT			AIDTEXT	67	A
30	AIDTEXT SBB	OPDEF I,J		AIDTEXT	68	A
31	AIDTEXT 0	ERRZR I *SB0 B_J* REDEFINED FOR V		AIDTEXT	69	A
32	AIDTEXT	#B_I B_J		AIDTEXT	70	A
33	AIDTEXT	ENDM		AIDTEXT	71	A
34	AIDTEXT	SPACE 4,8		AIDTEXT	72	A
35	AIDTEXT **	REDEFINE *SB0 -BJ* TO BE ILLEGAL OPCODE.		AIDTEXT	73	A
36	AIDTEXT			AIDTEXT	74	A
37	AIDTEXT #B-B	CPSYN SB-B		AIDTEXT	75	A
38	AIDTEXT			AIDTEXT	76	A
39	AIDTEXT	PURGDEF SB-B		AIDTEXT	77	A
40	AIDTEXT			AIDTEXT	78	A
41	AIDTEXT SB-B	OPDEF I,J		AIDTEXT	79	A
42	AIDTEXT 0	ERRZR I *SB0 -B_J* REDEFINED FOR V		AIDTEXT	80	A
43	AIDTEXT	#B_I -B_J		AIDTEXT	81	A
44	AIDTEXT	ENDM		AIDTEXT	82	A
45	AIDTEXT	SPACE 4,8		AIDTEXT	83	A
46	AIDTEXT **	REDEFINE *ERN D* TO BE ILLEGAL OPCODE.		AIDTEXT	84	A
47	AIDTEXT			AIDTEXT	85	A
48	AIDTEXT #ER	OPSYN ERN		AIDTEXT	86	A
49	AIDTEXT			AIDTEXT	87	A
50	AIDTEXT	PURGMAC ERN		AIDTEXT	88	A
51	AIDTEXT			AIDTEXT	89	A
52						
53	0	1	2	3	4	5
54	1234567890123456789012345678901234567890123456789012345678901234567890					
55						
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN NADTEXT

NADTEXT	*	8 - 16 BIT INSTRUCTION,NO ADDRESS (JFA)	NADTEXT	23	A
NADTEXT	*	9 - 8 BIT ADDRESS BACKWARD ONLY (RTB)	NADTEXT	24	A
NADTEXT	*	10 - 12-BIT ADDRESS. (FNA)	NADTEXT	25	A
NADTEXT	*	11 - 2 16-BIT ADDRESS I/O. (IAM)	NADTEXT	26	A
NADTEXT	*	WITH 2 INSTRUCTION PARAMETERS.	NADTEXT	27	A
NADTEXT	*	12 - 2 16-BIT ADDRESS. (TST)	NADTEXT	28	A
NADTEXT	*	WITH 3 INSTRUCTION PARAMETERS.	NADTEXT	29	A
NADTEXT	*	13 - 7 BIT ADDRESS (BIT 8 SET = BACKWARD) (L1R)	NADTEXT	30	A
NADTEXT	*	(BIT 8 ZERO = FORWARD)	NADTEXT	31	A
NADTEXT	*	14 - 16 BIT INSTRUCTION WITH 16 BIT	NADTEXT	32	A
NADTEXT	*	ADDRESS. (LJM)	NADTEXT	33	A
NADTEXT	*	15 - 16 BIT INSTRUCTION WITH 3 16 BIT	NADTEXT	34	A
NADTEXT	*	ADDRESSES (QGT)	NADTEXT	35	A
NADTEXT	*	16 - 4 BIT ADDRESS AND 15-4 BIT FLAG. (SCM)	NADTEXT	36	A
NADTEXT	*	17 - 16 BIT INSTRUCTION AND 16 BIT RELATIVE	NADTEXT	37	A
NADTEXT	*	FORWARD ADDRESS. (CCU)	NADTEXT	38	A
NADTEXT	*	(VAL) = 16-BIT OPERATION CODE VALUE.	NADTEXT	39	A
NADTEXT	*		NADTEXT	40	A
NADTEXT	*		NADTEXT	41	A
NADTEXT		PURGMAC NADOP	NADTEXT	42	A
NADTEXT			NADTEXT	43	A
NADTEXT	NADOP	MACRO NAME,CTL,VAL PERIPHERAL MACHINE CODES	NADTEXT	44	A
NADTEXT	NAME	NDOP CTL,0#_VAL	NADTEXT	45	A
NADTEXT		ENDM	NADTEXT	46	A
NADTEXT	OPS	SPACE 4	NADTEXT	47	A
NADTEXT	*	BUFFER CONTROLLER OPCODES.	NADTEXT	48	A
NADTEXT			NADTEXT	49	A
NADTEXT			NADTEXT	50	A
NADTEXT		NADOP SLS,3,0000	NADTEXT	51	A
NADTEXT		NADOP SAB,0,0100	NADTEXT	52	A
NADTEXT		NADOP CAB,0,0200	NADTEXT	53	A
NADTEXT		NADOP MAB,0,0300	NADTEXT	54	A
NADTEXT		NADOP SCA,0,0400	NADTEXT	55	A
NADTEXT		NADOP XA1,0,0401	NADTEXT	56	A
NADTEXT		NADOP XA2,0,0402	NADTEXT	57	A
NADTEXT		NADOP TIA,0,0403	NADTEXT	58	A
NADTEXT		NADOP SRC,0,0580	NADTEXT	59	A
NADTEXT		NADOP SLC,1,0580	NADTEXT	60	A
NADTEXT		NADOP SR0,0,0500	NADTEXT	61	A
NADTEXT		NADOP TA1,3,0600	NADTEXT	62	A
NADTEXT		NADOP TA2,3,0700	NADTEXT	63	A
NADTEXT		NADOP INT,5,0800	NADTEXT	64	A
NADTEXT		NADOP CBT,0,0880	NADTEXT	65	A
NADTEXT		NADOP TIS,0,0840	NADTEXT	66	A
NADTEXT		NADOP CBF,0,0800	NADTEXT	67	A
NADTEXT		NADOP TLS,0,0810	NADTEXT	68	A
NADTEXT		NADOP TAB,2,0810	NADTEXT	69	A
NADTEXT		NADOP TCY,0,0820	NADTEXT	70	A
NADTEXT		NADOP TI5,0,0840	NADTEXT	71	A
NADTEXT		NADOP SCM,16,0900	NADTEXT	72	A
NADTEXT		NADOP SMB,7,0A00	NADTEXT	73	A
NADTEXT		NADOP CMB,7,0B00	NADTEXT	74	A

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN NADTEXT

	NADTEXT	NADOP	SOA,5,0C00	NADTEXT	75	A
1	NADTEXT	NADOP	CZA,5,0C01	NADTEXT	76	A
2	NADTEXT	NADOP	SZA,5,0C02	NADTEXT	77	A
3	NADTEXT	NADOP	COA,5,0C03	NADTEXT	78	A
4	NADTEXT	NADOP	MAW,3,0D00	NADTEXT	79	A
5	NADTEXT	NADOP	SAW,3,0E00	NADTEXT	80	A
6	NADTEXT	NADOP	UCS,8,0F00	NADTEXT	81	A
7	NADTEXT	NADOP	IRT,0,0F01	NADTEXT	82	A
8	NADTEXT	NADOP	PSH,0,0F02	NADTEXT	83	A
9	NADTEXT	NADOP	POP,0,0F03	NADTEXT	84	A
10	NADTEXT	SPACE	2,16	NADTEXT	85	A
11	NADTEXT	NADOP	ADN,3,1000	NADTEXT	86	A
12	NADTEXT	NADOP	SBN,3,1100	NADTEXT	87	A
13	NADTEXT	NADOP	LMN,3,1200	NADTEXT	88	A
14	NADTEXT	NADOP	LPN,3,1300	NADTEXT	89	A
15	NADTEXT	NADOP	T1N,3,1400	NADTEXT	90	A
16	NADTEXT	NADOP	T2N,3,1500	NADTEXT	91	A
17	NADTEXT	NADOP	LCN,3,1600	NADTEXT	92	A
18	NADTEXT	NADOP	LFA,3,1700	NADTEXT	93	A
19	NADTEXT	NADOP	EAD,6,1800	NADTEXT	94	A
20	NADTEXT	NADOP	LDN,6,1800	NADTEXT	95	A
21	NADTEXT	NADOP	ENA,6,1800	NADTEXT	96	A
22	NADTEXT	NADOP	EAR,4,1B00	NADTEXT	97	A
23	NADTEXT	NADOP	EAI,6,1C00	NADTEXT	98	A
24	NADTEXT	NADOP	LIA,6,1C00	NADTEXT	99	A
25	NADTEXT	SPACE	2,16	NADTEXT	100	A
26	NADTEXT	NADOP	E1D,6,2000	NADTEXT	101	A
27	NADTEXT	NADOP	EN1,3,2000	NADTEXT	102	A
28	NADTEXT	NADOP	IN1,3,2100	NADTEXT	103	A
29	NADTEXT	NADOP	EI1,3,2200	NADTEXT	104	A
30	NADTEXT	NADOP	E1R,4,2300	NADTEXT	105	A
31	NADTEXT	NADOP	E1I,6,2400	NADTEXT	106	A
32	NADTEXT	NADOP	LB1,6,2400	NADTEXT	107	A
33	NADTEXT	NADOP	LI1,6,2400	NADTEXT	108	A
34	NADTEXT	NADOP	E2D,6,2800	NADTEXT	109	A
35	NADTEXT	NADOP	EN2,3,2800	NADTEXT	110	A
36	NADTEXT	NADOP	EI2,3,2900	NADTEXT	111	A
37	NADTEXT	NADOP	IN2,3,2A00	NADTEXT	112	A
38	NADTEXT	NADOP	E2R,4,2B00	NADTEXT	113	A
39	NADTEXT	NADOP	E2I,6,2C00	NADTEXT	114	A
40	NADTEXT	NADOP	LB2,6,2C00	NADTEXT	115	A
41	NADTEXT	NADOP	LI2,6,2C00	NADTEXT	116	A
42	NADTEXT	SPACE	2,16	NADTEXT	117	A
43	NADTEXT	NADOP	T1D,6,3000	NADTEXT	118	A
44	NADTEXT	NADOP	T1R,4,3300	NADTEXT	119	A
45	NADTEXT	NADOP	T1I,6,3400	NADTEXT	120	A
46	NADTEXT	NADOP	T2D,6,3800	NADTEXT	121	A
47	NADTEXT	NADOP	T2R,4,3B00	NADTEXT	122	A
48	NADTEXT	NADOP	T2I,6,3C00	NADTEXT	123	A
49	NADTEXT	SPACE	2,16	NADTEXT	124	A
50	NADTEXT	NADOP	LDD,6,4000	NADTEXT	125	A
51	NADTEXT	NADOP	LDR,4,4300	NADTEXT	126	A

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN NADTEXT

	NADTEXT	NADOP	LDI,6,4400	NADTEXT	127	A
1	NADTEXT	NADOP	LCD,6,4800	NADTEXT	128	A
2	NADTEXT	NADOP	LCR,4,4B00	NADTEXT	129	A
3	NADTEXT	NADOP	LCI,6,4C00	NADTEXT	130	A
4	NADTEXT	SPACE	2,16	NADTEXT	131	A
5	NADTEXT	NADOP	LUD,6,5000	NADTEXT	132	A
6	NADTEXT	NADOP	LUR,4,5300	NADTEXT	133	A
7	NADTEXT	NADOP	LUI,6,5400	NADTEXT	134	A
8	NADTEXT	NADOP	LLD,6,5800	NADTEXT	135	A
9	NADTEXT	NADOP	LLR,4,5B00	NADTEXT	136	A
10	NADTEXT	NADOP	LLI,6,5C00	NADTEXT	137	A
11	NADTEXT	SPACE	2,16	NADTEXT	138	A
12	NADTEXT	NADOP	ADD,6,6000	NADTEXT	139	A
13	NADTEXT	NADOP	ADR,4,6300	NADTEXT	140	A
14	NADTEXT	NADOP	ADI,6,6400	NADTEXT	141	A
15	NADTEXT	NADOP	SBD,6,6800	NADTEXT	142	A
16	NADTEXT	NADOP	SBR,4,6B00	NADTEXT	143	A
17	NADTEXT	NADOP	SBI,6,6C00	NADTEXT	144	A
18	NADTEXT	SPACE	2,16	NADTEXT	145	A
19	NADTEXT	NADOP	LMD,6,7000	NADTEXT	146	A
20	NADTEXT	NADOP	LMR,4,7300	NADTEXT	147	A
21	NADTEXT	NADOP	LMI,6,7400	NADTEXT	148	A
22	NADTEXT	NADOP	LPD,6,7800	NADTEXT	149	A
23	NADTEXT	NADOP	LPR,4,7B00	NADTEXT	150	A
24	NADTEXT	NADOP	LPI,6,7C00	NADTEXT	151	A
25	NADTEXT	SPACE	2,16	NADTEXT	152	A
26	NADTEXT	NADOP	RAD,6,8000	NADTEXT	153	A
27	NADTEXT	NADOP	RAR,4,8300	NADTEXT	154	A
28	NADTEXT	NADOP	RAI,6,8400	NADTEXT	155	A
29	NADTEXT	NADOP	AOD,6,8800	NADTEXT	156	A
30	NADTEXT	NADOP	AOR,4,8B00	NADTEXT	157	A
31	NADTEXT	NADOP	AOI,6,8C00	NADTEXT	158	A
32	NADTEXT	SPACE	2,16	NADTEXT	159	A
33	NADTEXT	NADOP	RUD,6,9000	NADTEXT	160	A
34	NADTEXT	NADOP	RUR,4,9300	NADTEXT	161	A
35	NADTEXT	NADOP	RUI,6,9400	NADTEXT	162	A
36	NADTEXT	NADOP	RLD,6,9800	NADTEXT	163	A
37	NADTEXT	NADOP	RLR,4,9B00	NADTEXT	164	A
38	NADTEXT	NADOP	RLI,6,9C00	NADTEXT	165	A
39	NADTEXT	SPACE	2,16	NADTEXT	166	A
40	NADTEXT	NADOP	STD,6,A000	NADTEXT	167	A
41	NADTEXT	NADOP	STR,4,A300	NADTEXT	168	A
42	NADTEXT	NADOP	STI,6,A400	NADTEXT	169	A
43	NADTEXT	NADOP	CLD,6,A800	NADTEXT	170	A
44	NADTEXT	NADOP	CLR,4,AB00	NADTEXT	171	A
45	NADTEXT	NADOP	CLI,6,AC00	NADTEXT	172	A
46	NADTEXT	SPACE	2,16	NADTEXT	173	A
47	NADTEXT	NADOP	SJD,6,B000	NADTEXT	174	A
48	NADTEXT	NADOP	SJR,4,B300	NADTEXT	175	A
49	NADTEXT	NADOP	SJI,6,B400	NADTEXT	176	A
50	NADTEXT	NADOP	UJD,6,B800	NADTEXT	177	A
51	NADTEXT	NADOP	UJR,4,BB00	NADTEXT	178	A

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN NADTEXT

	NADTEXT	NADOP	UJI,6,BC00	NADTEXT	179	A
1	NADTEXT	SPACE	2,16	NADTEXT	180	A
2	NADTEXT	NADOP	ZJD,6,C000	NADTEXT	181	A
3	NADTEXT	NADOP	ZJR,4,C300	NADTEXT	182	A
4	NADTEXT	NADOP	ZJI,6,C400	NADTEXT	183	A
5	NADTEXT	NADOP	NJD,6,C800	NADTEXT	184	A
6	NADTEXT	NADOP	NJR,4,CB00	NADTEXT	185	A
7	NADTEXT	NADOP	NJI,6,CC00	NADTEXT	186	A
8	NADTEXT	SPACE	2,16	NADTEXT	187	A
9	NADTEXT	NADOP	PJD,6,D000	NADTEXT	188	A
10	NADTEXT	NADOP	PJR,4,D300	NADTEXT	189	A
11	NADTEXT	NADOP	PJI,6,D400	NADTEXT	190	A
12	NADTEXT	NADOP	MJD,6,D800	NADTEXT	191	A
13	NADTEXT	NADOP	MJR,4,DB00	NADTEXT	192	A
14	NADTEXT	NADOP	MJI,6,DC00	NADTEXT	193	A
15	NADTEXT	SPACE	2,16	NADTEXT	194	A
16	NADTEXT	NADOP	TJD,6,E000	NADTEXT	195	A
17	NADTEXT	NADOP	TJR,4,E300	NADTEXT	196	A
18	NADTEXT	NADOP	TJI,6,E400	NADTEXT	197	A
19	NADTEXT	NADOP	FJD,6,E800	NADTEXT	198	A
20	NADTEXT	NADOP	FJR,4,EB00	NADTEXT	199	A
21	NADTEXT	NADOP	FJI,6,EC00	NADTEXT	200	A
22	NADTEXT	SPACE	2,16	NADTEXT	201	A
23	NADTEXT	NADOP	XIS,3,F000	NADTEXT	202	A
24	NADTEXT	NADOP	RIP,3,F100	NADTEXT	203	A
25	NADTEXT	NADOP	EIN,3,F200	NADTEXT	204	A
26	NADTEXT	NADOP	DIN,3,F300	NADTEXT	205	A
27	NADTEXT	NADOP	RTI,3,F400	NADTEXT	206	A
28	NADTEXT	NADOP	RTB,9,F500	NADTEXT	207	A
29	NADTEXT	NADOP	CCU,17,F600	NADTEXT	208	A
30	NADTEXT	NADOP	CCL,17,F601	NADTEXT	209	A
31	NADTEXT	NADOP	EIC,3,F700	NADTEXT	210	A
32	NADTEXT	NADOP	L1R,13,F800	NADTEXT	211	A
33	NADTEXT	NADOP	L2R,13,F900	NADTEXT	212	A
34	NADTEXT	NADOP	LJM,14,FA00	NADTEXT	213	A
35	NADTEXT	NADOP	CAS,3,FA00	NADTEXT	214	A
36	NADTEXT	NADOP	QPT,12,FB00	NADTEXT	215	A
37	NADTEXT	NADOP	QPB,12,FB01	NADTEXT	216	A
38	NADTEXT	NADOP	QB2,12,FB11	NADTEXT	217	A
39	NADTEXT	NADOP	QB1,12,FB21	NADTEXT	218	A
40	NADTEXT	NADOP	QB3,12,FB31	NADTEXT	219	A
41	NADTEXT	NADOP	QGT,15,FB02	NADTEXT	220	A
42	NADTEXT	NADOP	QG2,15,FB12	NADTEXT	221	A
43	NADTEXT	NADOP	QG1,15,FB22	NADTEXT	222	A
44	NADTEXT	NADOP	QG3,15,FB32	NADTEXT	223	A
45	NADTEXT	NADOP	QCL,12,FB03	NADTEXT	224	A
46	NADTEXT	NADOP	PSM,3,FD00	NADTEXT	225	A
47	NADTEXT	NADOP	POM,3,FE00	NADTEXT	226	A
48	NADTEXT	NADOP	RID,8,FF00	NADTEXT	227	A
49	NADTEXT	NADOP	JFA,8,FF01	NADTEXT	228	A
50	NADTEXT	NADOP	JFA1,8,FF02	NADTEXT	229	A
51	NADTEXT	SPACE	2,16	NADTEXT	230	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN NADTEXT

NADTEXT \*\* DEVICE INTERFACE INSTRUCTIONS

NADTEXT 231 A

NADTEXT NADTEXT

NADTEXT 232 A

NADTEXT NADOP IAN,5,0000

NADTEXT 233 A

NADTEXT NADOP IAC,7,1000

NADTEXT 234 A

NADTEXT NADOP IAM,11,2000

NADTEXT 235 A

NADTEXT NADOP OAN,10,3000

NADTEXT 236 A

NADTEXT NADOP OAC,7,4000

NADTEXT 237 A

NADTEXT NADOP OAM,11,5000

NADTEXT 238 A

NADTEXT NADOP CHN,10,6000

NADTEXT 239 A

NADTEXT NADOP ACN,10,7000

NADTEXT 240 A

NADTEXT NADOP DCN,10,8000

NADTEXT 241 A

NADTEXT NADOP FNA,10,9000

NADTEXT 242 A

NADTEXT NADOP DR1,8,A000

NADTEXT 243 A

NADTEXT NADOP DR2,8,A001

NADTEXT 244 A

NADTEXT NADOP IR1,8,A002

NADTEXT 245 A

NADTEXT NADOP IR2,8,A003

NADTEXT 246 A

NADTEXT NADOP JT0,12,B00A

NADTEXT 247 A

NADTEXT NADOP JF0,12,B002

NADTEXT 248 A

NADTEXT NADOP JT0I,12,B00E

NADTEXT 249 A

NADTEXT NADOP JF0I,12,B006

NADTEXT 250 A

NADTEXT NADOP JT1,12,B008

NADTEXT 251 A

NADTEXT NADOP JF1,12,B000

NADTEXT 252 A

NADTEXT NADOP JT1I,12,B00C

NADTEXT 253 A

NADTEXT NADOP JF1I,12,B004

NADTEXT 254 A

NADTEXT NADOP JT2,12,B009

NADTEXT 255 A

NADTEXT NADOP JF2,12,B001

NADTEXT 256 A

NADTEXT NADOP JT2I,12,B00D

NADTEXT 257 A

NADTEXT NADOP JF2I,12,B005

NADTEXT 258 A

NADTEXT NADOP JMP,12,B001

NADTEXT 259 A

NADTEXT NADOP WAT,10,C000

NADTEXT 260 A

NADTEXT NADOP SEN,10,D000

NADTEXT 261 A

NADTEXT NADOP MCH,10,E000

NADTEXT 262 A

NADTEXT NADOP HLT,10,F000

NADTEXT 263 A

NADTEXT SPACE 4

NADTEXT 264 A

NADTEXT END

NADTEXT 265 A

## SUMMARY OF UPDATE IDENTIFIERS WITHIN DECK - NADTEXT

IDENTIFIER TOTAL ACTIVE

NADTEXT 264 264

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CWEOR2

CWEOR2 \*DECK CWEOR2

CWEOR2 1 A

CWEOR2 \*CWEOR,0

CWEOR2 2 A

## SUMMARY OF UPDATE IDENTIFIERS WITHIN DECK - CWEOR2

IDENTIFIER TOTAL ACTIVE

CWEOR2 2 2

0 1 2 3 4 5 6 7 8  
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CWEOR2

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CDCMOPT

CDCMOPT	*COMDECK	CDCMOPT		CDCMOPT	1	A
CDCMOPT	CDCMOPT	TITLE	C D C M O P T -	CDCM INSTALLATION PARAMETERS.	2	A
CDCMOPT	****				3	A
CDCMOPT	***	C D C M O P T -	CDCM INSTALLATION PARAMETERS.		4	A
CDCMOPT	*	*****			5	A
CDCMOPT	*	*	DFLTX, DFLTY	*	6	A
CDCMOPT	*	*		*	7	A
CDCMOPT	*	*	DEFAULT FILE NAMES FOR SCRATCH FILES IF INTERMEDIATE	*	8	A
CDCMOPT	*	*	FILE OVERFLOWS THE CM OR LCM STORAGE AREA. THESE TWO	*	9	A
CDCMOPT	*	*	NAMES ARE USED ALTERNATELY.	*	10	A
CDCMOPT	DFLTX	MICRO	1,7,\$ZZZCDM1\$	*	11	A
CDCMOPT	DFLTY	MICRO	1,7,\$ZZZCDM2\$	*	12	A
CDCMOPT	*	*****			13	A
CDCMOPT	CDCMOPT	SPACE	4,8		14	A
CDCMOPT	*	*****			15	A
CDCMOPT	*	*	FLINC	*	16	A
CDCMOPT	*	*		*	17	A
CDCMOPT	*	*	APPLIES ONLY IF WORKSPACE FOR INTERMEDIATE FILE IS IN	*	18	A
CDCMOPT	*	*	CM. DEFINES AMOUNT OF INCREASE IN WORKSPACE SIZE	*	19	A
CDCMOPT	*	*	EACH TIME AN INCREASE IS NECESSARY.	*	20	A
CDCMOPT	FLINC	EQU	20000B	*	21	A
CDCMOPT	*	*****			22	A
CDCMOPT	CDCMOPT	SPACE	4,8		23	A
CDCMOPT	*	*****			24	A
CDCMOPT	*	*	FLINL	*	25	A
CDCMOPT	*	*		*	26	A
CDCMOPT	*	*	APPLIES ONLY IF WORKSPACE FOR INTERMEDIATE FILE IS IN	*	27	A
CDCMOPT	*	*	LCM. DEFINES AMOUNT OF INCREASE IN WORKSPACE SIZE	*	28	A
CDCMOPT	*	*	EACH TIME AN INCREASE IS NECESSARY.	*	29	A
CDCMOPT	FLINL	EQU	40000B	*	30	A
CDCMOPT	*	*****			31	A
CDCMOPT	CDCMOPT	SPACE	4,8		32	A
CDCMOPT	*	*****			33	A
CDCMOPT	*	*	FUDL	*	34	A
CDCMOPT	*	*		*	35	A
CDCMOPT	*	*	FUDGE FACTOR BY WHICH TO REDUCE THE LCM MAXFL FOR	*	36	A
CDCMOPT	*	*	PURPOSES OF DETERMINING WHAT CAN BE OBTAINED. THIS	*	37	A
CDCMOPT	*	*	IS NEEDED BECAUSE OF A NOS DEFICIENCY IN HANDLING	*	38	A
CDCMOPT	*	*	LCM ALLOCATION; IF AN APPLICATION PERMANENTLY HOLDS	*	39	A
CDCMOPT	*	*	ON TO SOME LCM, THEN A JOB REQUESTING LCM IT BELIEVES	*	40	A
CDCMOPT	*	*	POSSIBLE TO GET MAY IN FACT NEVER GET IT. EVEN WORSE,	*	41	A
CDCMOPT	*	*	THE REQUESTING JOB CANNOT BE DROPPED.	*	42	A
CDCMOPT	FUDL	EQU	40000B	*	43	A
CDCMOPT	*	*****			44	A
CDCMOPT	CDCMOPT	SPACE	4,8		45	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CDCMOPT

	CDCMOPT	*	*****		CDCMOPT	47	A
1	CDCMOPT	*	* INTLTH	*	CDCMOPT	48	A
2	CDCMOPT	*	*	*	CDCMOPT	49	A
3	CDCMOPT	*	*	*	CDCMOPT	50	A
4	CDCMOPT	*	* LENGTH OF INTERMEDIATE FILE HEADER + REFERENCE WORDS.	*	CDCMOPT	51	A
5	CDCMOPT	*	* MAY NOT BE LESS THAN 2.	*	CDCMOPT	52	A
6	CDCMOPT	*	* NUMBER OF REFERENCE WORDS = INTLTH - 1	*	CDCMOPT	53	A
7	CDCMOPT	*	* TOTAL LENGTH OF EACH INT. ENTRY = INTLTH + LINELTH	*	CDCMOPT	54	A
8	CDCMOPT	INTLTH	EQU 3	*	CDCMOPT	55	A
9	CDCMOPT	CDCMOPT	SPACE 4,8		CDCMOPT	56	A
10	CDCMOPT	*	*****		CDCMOPT	57	A
11	CDCMOPT	*	* LINELTH	*	CDCMOPT	58	A
12	CDCMOPT	*	*	*	CDCMOPT	59	A
13	CDCMOPT	*	* MAXIMUM LENGTH IN CM WORDS OF SOURCE LINES READ FROM	*	CDCMOPT	60	A
14	CDCMOPT	*	* THE COMPILE FILE AND ALSO THE AMOUNT STORED IN THE	*	CDCMOPT	61	A
15	CDCMOPT	*	* INTERMEDIATE FILE. SHOULD NOT HAVE TO BE CHANGED,	*	CDCMOPT	62	A
16	CDCMOPT	*	* BECAUSE 170 PRODUCTS NORMALLY HAVE A COMPILE FILE IN	*	CDCMOPT	63	A
17	CDCMOPT	*	* WHICH THE UPDATE SEQUENCE NUMBER EXTENDS TO COLUMN 80.*	*	CDCMOPT	64	A
18	CDCMOPT	LINELTH	EQU 9	*	CDCMOPT	65	A
19	CDCMOPT	*	*****		CDCMOPT	66	A
20	CDCMOPT	CDCMOPT	SPACE 4,8		CDCMOPT	67	A
21	CDCMOPT	*	*****		CDCMOPT	68	A
22	CDCMOPT	*	* MAXC	*	CDCMOPT	69	A
23	CDCMOPT	*	*	*	CDCMOPT	70	A
24	CDCMOPT	*	* LARGEST AMOUNT OF CM THAT WILL BE USED FOR THE	*	CDCMOPT	71	A
25	CDCMOPT	*	* INTERMEDIATE FILE. IF CM IS USED, IT IS MAINTAINED	*	CDCMOPT	72	A
26	CDCMOPT	*	* BY USE OF A CMM VARIABLE-POSITION BLOCK. IF IT	*	CDCMOPT	73	A
27	CDCMOPT	*	* OVERFLOWS, THEN THE ENTIRE WORKSPACE IS COPIED TO	*	CDCMOPT	74	A
28	CDCMOPT	*	* MASS-STORAGE, BUT WHEN IT IS SHRUNK AND RE-WRITTEN,	*	CDCMOPT	75	A
29	CDCMOPT	*	* IT WILL AGAIN BE STORED IN CM, SINCE MOST PROGRAMS	*	CDCMOPT	76	A
30	CDCMOPT	*	* WILL NOT INVOLVE WORKSPACE OVERFLOW. THE VALUE FOR	*	CDCMOPT	77	A
31	CDCMOPT	*	* *MAXC* SHOULD BE LIMITED SO AS NOT TO PLACE AN UNDUE	*	CDCMOPT	78	A
32	CDCMOPT	*	* BURDEN ON THE SYSTEM - PROBABLY NO MORE THAN 200000B.	*	CDCMOPT	79	A
33	CDCMOPT	*	* NOTE THAT IF A LARGER AMOUNT OF LCM CAN BE OBTAINED,	*	CDCMOPT	80	A
34	CDCMOPT	*	* THEN LCM AND NOT CM WILL BE USED FOR THE WORKSPACE.	*	CDCMOPT	81	A
35	CDCMOPT	MAXC	EQU 140000B	*	CDCMOPT	82	A
36	CDCMOPT	*	*****		CDCMOPT	83	A
37	CDCMOPT	CDCMOPT	SPACE 4,8		CDCMOPT	84	A
38	CDCMOPT	*	*****		CDCMOPT	85	A
39	CDCMOPT	*	* MAXL	*	CDCMOPT	86	A
40	CDCMOPT	*	*	*	CDCMOPT	87	A
41	CDCMOPT	*	* LARGEST AMOUNT OF LCM THAT WILL BE USED FOR THE	*	CDCMOPT	88	A
42	CDCMOPT	*	* INTERMEDIATE FILE. LCM IS USED IN PREFERENCE TO CM	*	CDCMOPT	89	A
43	CDCMOPT	*	* FOR THE WORKSPACE ACCORDING TO THE ALGORITHM	*	CDCMOPT	90	A
44	CDCMOPT	*	* DESCRIBED IN THE ROUTINE *CWS*. IF THE WORKSPACE	*	CDCMOPT	91	A
45	CDCMOPT	*	* OVERFLOWS AVAILABLE LCM, THEN THE ENTIRE WORKSPACE IS	*	CDCMOPT	92	A
46	CDCMOPT	*	* COPIED TO MASS-STORAGE, BUT EACH TIME IT IS SHRUNK	*	CDCMOPT	93	A
47	CDCMOPT	*	* AND RE-WRITTEN, THE STORING IN LCM IS RESUMED.	*	CDCMOPT	94	A
48	CDCMOPT	MAXL	EQU 200000B	*	CDCMOPT	95	A
49	CDCMOPT	*	*****		CDCMOPT	96	A
50	CDCMOPT	CDCMOPT	TITLE C D C M O P T - ASSEMBLY PARAMETERS.		CDCMOPT	97	A
51	CDCMOPT	**	CONCATENATION MARK (DISPLAY CODE).		CDCMOPT	98	A

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123456789012345678901234567890123456789012345678901234567890

CONCAT	EQU	65B	PRINT 1 RIGHT-ARROW OR PRINT 2 UNDERSCORE
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[illegible]



* CONTENTS OF LINE IMAGE
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[illegible]

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CDCM

	CDCM	O.LOC	VFD	30/0,30/0	WORD 0 - CMM POINTER WORD	CDCM	83	A
1	CDCM		VFD	42/0,18/0	WORD 1 - USER LENGTH	CDCM	84	A
2	CDCM		VFD	42/0,18/10B	WORD 2 - INCREASE AMOUNT	CDCM	85	A
3	CDCM	CDCM	SPACE	4,8		CDCM	86	A
4	CDCM	**		O.QUL - QUALIFIER NAMES.		CDCM	87	A
5	CDCM	*				CDCM	88	A
6	CDCM	*		CONTAINS ONE ENTRY FOR EACH UNIQUE QUALIFIER NAME IN THE		CDCM	89	A
7	CDCM	*		PROGRAM. THE TABLE IS EMPTY IF NO QUALIFIERS ARE PRESENT.		CDCM	90	A
8	CDCM	*				CDCM	91	A
9	CDCM	*		ENTRY = 1 WORD.		CDCM	92	A
10	CDCM	*				CDCM	93	A
11	CDCM	*	VFD	48/NAME,12/0		CDCM	94	A
12	CDCM	*				CDCM	95	A
13	CDCM	*		NAME = QUALIFIER NAME.		CDCM	96	A
14	CDCM					CDCM	97	A
15	CDCM	O.QUL	VFD	30/0,30/0	WORD 0 - CMM POINTER WORD	CDCM	98	A
16	CDCM		VFD	42/0,18/0	WORD 1 - USER LENGTH	CDCM	99	A
17	CDCM		VFD	42/0,18/10B	WORD 2 - INCREASE AMOUNT	CDCM	100	A
18	CDCM	CDCM	SPACE	4,8		CDCM	101	A
19	CDCM	**		O.QUS - QUALIFIER STACK.		CDCM	102	A
20	CDCM	*				CDCM	103	A
21	CDCM	*		LENGTH DEPENDS ON THE CURRENT SELECTION OF QUALIFIERS IN		CDCM	104	A
22	CDCM	*		EFFECT AT ANY GIVEN TIME FOR THE CURRENT PROGRAM.		CDCM	105	A
23	CDCM	*				CDCM	106	A
24	CDCM	*		ENTRY = 1 WORD.		CDCM	107	A
25	CDCM	*				CDCM	108	A
26	CDCM	*	VFD	51/0,9/QI		CDCM	109	A
27	CDCM	*				CDCM	110	A
28	CDCM	*		QI = QUALIFIER INDEX = INDEX INTO *O.QUL*.		CDCM	111	A
29	CDCM	*		ZERO IF QUALIFIER IN EFFECT IS THE GLOBAL BLOCK.		CDCM	112	A
30	CDCM					CDCM	113	A
31	CDCM	O.QUS	VFD	30/0,30/0	WORD 0 - CMM POINTER WORD	CDCM	114	A
32	CDCM		VFD	42/0,18/0	WORD 1 - USER LENGTH	CDCM	115	A
33	CDCM		VFD	42/0,18/10B	WORD 2 - INCREASE AMOUNT	CDCM	116	A
34	CDCM	CDCM	TITLE	GLOBAL VALUES.		CDCM	117	A
35	CDCM					CDCM	118	A
36	CDCM	**		GLOBAL VALUES.		CDCM	119	A
37	CDCM					CDCM	120	A
38	CDCM					CDCM	121	A
39	CDCM	LFNI	DATA	0LINPUT	INPUT FILE NAME FROM *I* PARAMETER	CDCM	122	A
40	CDCM					CDCM	123	A
41	CDCM	LFNL	DATA	0LOUTPUT	OUTPUT FILE NAME FROM *L* PARAMETER	CDCM	124	A
42	CDCM					CDCM	125	A
43	CDCM	LOOP	CON	0	LIST OPTION FROM *LO* PARAMETER	CDCM	126	A
44	CDCM				DEFAULT = A - LIST CODE MODIFICATION LINES	CDCM	127	A
45	CDCM					CDCM	128	A
46	CDCM	PRINTCT	CON	0	NUMBER OF CODE MODIFICATION LINES LISTED	CDCM	129	A
47	CDCM					CDCM	130	A
48	CDCM	PRINTL	CON	100	MAXIMUM NUMBER OF CODE MODIFICATION LINES	CDCM	131	A
49	CDCM				TO BE PRINTED FROM *PL* PARAMETER	CDCM	132	A
50	CDCM					CDCM	133	A
51	CDCM	SO.JP	CON	1	UNCONDITIONAL JUMP PROCESSING OPTION	CDCM	134	A
52								
53		0	1	2	3	4	5	6
54		1234567890123456789012345678901234567890123456789012345678901234567890						
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CDCM

	CDCM				DEFAULT IS TO FORGET REGISTER CONTENTS	CDCM	135	A
1	CDCM				BETWEEN UNCONDITIONAL JUMPS	CDCM	136	A
2	CDCM					CDCM	137	A
3	CDCM	SO.SM	CON	1	SYSTEM MACRO PROCESSING OPTION	CDCM	138	A
4	CDCM				DEFAULT IS TO RECOGNIZE SYSTEM MACROS	CDCM	139	A
5	CDCM					CDCM	140	A
6	CDCM	SO.LM	CON	0	LOCAL MACRO PROCSSSING OPTION	CDCM	141	A
7	CDCM				DEFAULT IS TO NOT RECOGNIZE LOCAL MACROS	CDCM	142	A
8	CDCM					CDCM	143	A
9	CDCM	IFETCH	CON	0	FETCH POINTER FOR WORK SPACE IN CM OR LCM	CDCM	144	A
10	CDCM					CDCM	145	A
11	CDCM	IFWA	CON	0	FWA OF WORKSPACE IF IN CM OR LCM	CDCM	146	A
12	CDCM				FWA FROM CMM IF WORKSPACE IN CM	CDCM	147	A
13	CDCM				ALWAYS = 0 IF WORKSPACE IN LCM	CDCM	148	A
14	CDCM					CDCM	149	A
15	CDCM	IMAX	CON	0	MAXIMUM ALLOWABLE CM OR LCM WORKSPACE SIZE	CDCM	150	A
16	CDCM				DETERMINED BY *CWS*	CDCM	151	A
17	CDCM					CDCM	152	A
18	CDCM					CDCM	153	A
19	CDCM	INEXT	CON	0	STORE POINTER FOR WORK SPACE IN CM OR LCM	CDCM	154	A
20	CDCM					CDCM	155	A
21	CDCM	ISIZE	CON	0	OFFSET TO END OF DATA IN WORKSPACE	CDCM	156	A
22	CDCM					CDCM	157	A
23	CDCM	SF	CON	0	0 - USE 1ST INTERMEDIATE FILE NAME	CDCM	158	A
24	CDCM				1 - USE 2ND INTERMEDIATE FILE NAME	CDCM	159	A
25	CDCM					CDCM	160	A
26	CDCM	SP	CON	0	0 OR LFN OF INTERMEDIATE FILE BEING READ	CDCM	161	A
27	CDCM		CON	0	0 OR LFN OF INTERMEDIATE FILE BEING WRITTEN	CDCM	162	A
28	CDCM	CDCM	TITLE	MAIN ROUTINE.		CDCM	163	A
29	CDCM					CDCM	164	A
30	CDCM	**		CDCM - MAIN LOOP.		CDCM	165	A
31	CDCM	*				CDCM	166	A
32	CDCM					CDCM	167	A
33	CDCM		ENTRY	CDCM		CDCM	168	A
34	CDCM	CDCM	SB1	1	MAIN *CDCM* ENTRY POINT	CDCM	169	A
35	CDCM		RJ	/SCO/SCO	SET CONTROL STATEMENT OPTIONS	CDCM	170	A
36	CDCM		RJ	CWS	COMPUTE WORK SPACE SIZE	CDCM	171	A
37	CDCM		RJ	INF	INITIALIZE FILES	CDCM	172	A
38	CDCM					CDCM	173	A
39	CDCM	**		PASS 1. CONSISTS OF READING THE COMPILE FILE AND BUILDING		CDCM	174	A
40	CDCM	*		TABLES. MOST OF THE WORK IS DONE IN PASS 1, BECAUSE IT ALSO		CDCM	175	A
41	CDCM	*		CONSISTS OF READING THE INTERMEDIATE FILE AS CREATED FOR		CDCM	176	A
42	CDCM	*		EACH PROGRAM AND SHRINKING IT OF ALL ENTRIES WHICH ARE		CDCM	177	A
43	CDCM	*		NEITHER IN LOCATION TABLE *0.LOC* NOR CONTAIN ONE OR MORE		CDCM	178	A
44	CDCM	*		REFERENCES TO EXTERNALS.		CDCM	179	A
45	CDCM	*				CDCM	180	A
46	CDCM					CDCM	181	A
47	CDCM	CD10	RJ	NXTLINE	READ NEXT LINE	CDCM	182	A
48	CDCM		NZ	X1,CD20	IF EOF - PASS 1 COMPLETE	CDCM	183	A
49	CDCM		RJ	PCS	PROCESS CURRENT STATEMENT	CDCM	184	A
50	CDCM		EQ	CD10	PASS 1 LOOP	CDCM	185	A
51	CDCM					CDCM	186	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CDCM

	CDCM	**	PASS 2. CONSISTS OF MAKING ONE FINAL CHECK THROUGH THE				CDCM	187	A
1	CDCM	*	INTERMEDIATE FILE FOR ENTRIES TO BE LISTED DUE TO MATCHING				CDCM	188	A
2	CDCM	*	ENTRY POINTS/EXTERNALS AND THEN WRITING THE LIST OUTPUT.				CDCM	189	A
3	CDCM	*					CDCM	190	A
4	CDCM						CDCM	191	A
5	CDCM	CD20	RJ	RWF	REWIND INTERMEDIATE FILE		CDCM	192	A
6	CDCM	CD21	RJ	RIF	READ INTERMEDIATE FILE		CDCM	193	A
7	CDCM		NZ	X1,CD50	IF COMPLETED		CDCM	194	A
8	CDCM		SA3	INTENT			CDCM	195	A
9	CDCM		MI	X3,CD26	IF THIS ENTRY TO BE LISTED		CDCM	196	A
10	CDCM						CDCM	197	A
11	CDCM	*	MAKE FINAL CHECK FOR A MATCH WITH AN *O.LOC* ENTRY IN ORDER				CDCM	198	A
12	CDCM	*	TO PICK UP THOSE ENTRIES WHICH REFERENCE EXTERNALS.				CDCM	199	A
13	CDCM						CDCM	200	A
14	CDCM		SB5	B1	INDEX FOR WORD WITHIN ENTRY		CDCM	201	A
15	CDCM		SB6	INTLTH	MAXIMUM INDEX + 1		CDCM	202	A
16	CDCM	CD22	SA2	B5+INTENT	NEXT SYMBOL (IF ZERO)		CDCM	203	A
17	CDCM		NZ	X2,CD24	IF A SYMBOL PRESENT		CDCM	204	A
18	CDCM	CD23	SB5	B5+B1	ADVANCE INDEX		CDCM	205	A
19	CDCM		LT	B5,B6,CD22	LOOP FOR NUMBER OF SYMBOLS POSSIBLE (2)		CDCM	206	A
20	CDCM		EQ	CD21	DO NOT LIST THIS ENTRY		CDCM	207	A
21	CDCM						CDCM	208	A
22	CDCM	*	SEARCH *O.LOC* FOR CURRENT SYMBOL NAME.				CDCM	209	A
23	CDCM						CDCM	210	A
24	CDCM	CD24	SA1	O.LOC	FWA OF *O.LOC*		CDCM	211	A
25	CDCM		BX7	X2			CDCM	212	A
26	CDCM		SA3	A1+B1	LENGTH OF *O.LOC*		CDCM	213	A
27	CDCM		IX4	X1+X3	(B4) = LWA+1 *O.LOC*		CDCM	214	A
28	CDCM		ZR	X3,CD23	IF *O.LOC* EMPTY		CDCM	215	A
29	CDCM		SB4	X4			CDCM	216	A
30	CDCM		SA5	B4	SAVE (LWA+1)		CDCM	217	A
31	CDCM		SA7	B4	STORE TARGET AT (LWA+1)		CDCM	218	A
32	CDCM		SA4	X1-1	FIRST - 1 ENTRY		CDCM	219	A
33	CDCM	CD25	SA4	A4+B1	NEXT ENTRY		CDCM	220	A
34	CDCM		BX3	X4-X2			CDCM	221	A
35	CDCM		NZ	X3,CD25	LOOP UNTIL MATCH		CDCM	222	A
36	CDCM		BX6	X5	RESTORE (LWA+1)		CDCM	223	A
37	CDCM		SB3	A4			CDCM	224	A
38	CDCM		SA6	B4			CDCM	225	A
39	CDCM		EQ	B3,B4,CD23	IF SYMBOL NOT FOUND		CDCM	226	A
40	CDCM						CDCM	227	A
41	CDCM	*	SYMBOL MATCHES WITH AN *O.LOC* ENTRY. THIS ENTRY WAS FOR A				CDCM	228	A
42	CDCM	*	REFERENCE TO AN EXTERNAL.				CDCM	229	A
43	CDCM						CDCM	230	A
44	CDCM	*	LIST THE SOURCE LINE REPRESENTED BY THIS ENTRY, PROVIDED				CDCM	231	A
45	CDCM	*	LIST OUTPUT WAS SELECTED AND THE PRINT LIMIT HAS NOT BEEN				CDCM	232	A
46	CDCM	*	EXCEEDED.				CDCM	233	A
47	CDCM						CDCM	234	A
48	CDCM	CD26	SA2	PRINTCT	ADVANCE NUMBER OF LINES LISTED		CDCM	235	A
49	CDCM		SX6	X2+B1			CDCM	236	A
50	CDCM		SA6	A2			CDCM	237	A
51	CDCM		SA5	LFNL			CDCM	238	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CDCM

	CDCM	ZR	X5,CD21	IF NO LIST OUTPUT	CDCM	239	A
1	CDCM	SA1	LOOP		CDCM	240	A
2	CDCM	NZ	X1,CD21	IF SHORT LISTING SELECTED	CDCM	241	A
3	CDCM	SA3	PRINTL	CHECK IF PRINT LIMIT EXCEEDED	CDCM	242	A
4	CDCM	IX4	X3-X6		CDCM	243	A
5	CDCM	MI	X4,CD21	IF PRINT LIMIT EXCEEDED	CDCM	244	A
6	CDCM	SB6	INTENT+INTLTH	FWA OF LINE IMAGE	CDCM	245	A
7	CDCM	SB7	LINELTH		CDCM	246	A
8	CDCM	RJ	WRLINE	WRITE LINE	CDCM	247	A
9	CDCM	EQ	CD21	LOOP	CDCM	248	A
10	CDCM				CDCM	249	A
11	CDCM	CD50	SA4	LFNL	CDCM	250	A
12	CDCM	ZR	X4,CD51	IF NO LIST OUTPUT	CDCM	251	A
13	CDCM	RJ	WRITE	COMPLETE OUTPUT FILE	CDCM	252	A
14	CDCM				CDCM	253	A
15	CDCM	CD51	MESSAGE	CDDFM1,,RCL *CDCM COMPLETE* DAYFILE MESSAGE	CDCM	254	A
16	CDCM	SA1	PRINTCT		CDCM	255	A
17	CDCM	RJ	=XCDD=	CONVERT TO DECIMAL DISPLAY	CDCM	256	A
18	CDCM	SA2	CDDFM2		CDCM	257	A
19	CDCM	LX6	3*6	SHIFT COUNT LEFT 3 PLACES AND MERGE	CDCM	258	A
20	CDCM	MX1	-3*6	WITH MESSAGE	CDCM	259	A
21	CDCM	BX6	X1*X6		CDCM	260	A
22	CDCM	BX6	X2*X6		CDCM	261	A
23	CDCM	SA6	A2		CDCM	262	A
24	CDCM	MESSAGE	A6,,RCL	ISSUE LINE COUNT DAYFILE MESSAGE	CDCM	263	A
25	CDCM	ENDRUN		ALL DONE - RETURN TO SYSTEM	CDCM	264	A
26	CDCM				CDCM	265	A
27	CDCM	CDDFM1	DATA	C* CDCM COMPLETE*	CDCM	266	A
28	CDCM	CDDFM2	DATA	3R CO,C*DE-MODIFICATION LINES*	CDCM	267	A
29	CDCM	ANT	TITLE	STATEMENT PROCESSING SUBROUTINES.	CDCM	268	A
30	CDCM	**	ANT	- ADD NAME TO TABLE.	CDCM	269	A
31	CDCM	*			CDCM	270	A
32	CDCM	*		ADDS A NAME TO A MANAGED TABLE IF NOT ALREADY PRESENT.	CDCM	271	A
33	CDCM	*			CDCM	272	A
34	CDCM	*	ENTRY	(X1) = NAME, LEFT JUSTIFIED, ZERO FILL.	CDCM	273	A
35	CDCM	*		(B1) = 1.	CDCM	274	A
36	CDCM	*		(A2) = TABLE POINTER.	CDCM	275	A
37	CDCM	*			CDCM	276	A
38	CDCM	*	EXIT	(X1) = NAME, LEFT JUSTIFIED, ZERO FILL.	CDCM	277	A
39	CDCM	*			CDCM	278	A
40	CDCM	*	USES	X - 2, 3, 4, 6, 7.	CDCM	279	A
41	CDCM	*		B - 4, 5, 6, 7.	CDCM	280	A
42	CDCM	*		A - 1, 2, 3, 4, 5, 6, 7.	CDCM	281	A
43	CDCM	*			CDCM	282	A
44	CDCM	*	CALLS	ADW=.	CDCM	283	A
45	CDCM				CDCM	284	A
46	CDCM				CDCM	285	A
47	CDCM	ANT	EQ	*+1S17 ENTRY / EXIT	CDCM	286	A
48	CDCM		SA3	A2+B1	CDCM	287	A
49	CDCM		ZR	X3,ANT2 IF TABLE EMPTY, GO ADD	CDCM	288	A
50	CDCM		SB5	X2 (B5) = FWA TABLE	CDCM	289	A
51	CDCM		SA4	B5+X3 SAVE (LWA+1)	CDCM	290	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CDCM

	CDCM		BX7	X4		CDCM	291	A
1	CDCM		SB7	A4	(B7) = LWA+1	CDCM	292	A
2	CDCM		BX6	X1		CDCM	293	A
3	CDCM		SA6	A4	SET TARGET VALUE AT LWA+1	CDCM	294	A
4	CDCM		SA4	B5-1	FIRST-1 ENTRY	CDCM	295	A
5	CDCM	ANT1	SA4	A4+B1	SEARCH LOOP	CDCM	296	A
6	CDCM		BX4	X6-X4		CDCM	297	A
7	CDCM		NZ	X4,ANT1	LOOP UNTIL HIT	CDCM	298	A
8	CDCM		SB6	A4		CDCM	299	A
9	CDCM		SA7	B7	RESTORE (LWA+1)	CDCM	300	A
10	CDCM		NE	B6,B7,ANT	IF NAME ALREADY IN TABLE, EXIT	CDCM	301	A
11	CDCM	ANT2	RJ	ADW	ADD WORD TO TABLE	CDCM	302	A
12	CDCM				(A2) = TABLE POINTER, (X1) = WORD	CDCM	303	A
13	CDCM		EQ	ANT	RETURN	CDCM	304	A
14	CDCM	CRT			TITLE STATEMENT PROCESSING SUBROUTINES.	CDCM	305	A
15	CDCM	**			CRT - CLEAR REGISTER TABLE.	CDCM	306	A
16	CDCM	*				CDCM	307	A
17	CDCM	*			CLEAR THE REGISTER TABLE *OR.REG*. THIS CAUSES CDCM TO	CDCM	308	A
18	CDCM	*			FORGET ANY PREVIOUS REFERENCES TO ADDRESSES IN ANY OF THE	CDCM	309	A
19	CDCM	*			REGISTERS. CALLED AT THE BEGINNING OF EACH PROGRAM UNIT	CDCM	310	A
20	CDCM	*			(*IDENT* STATEMENT), AND AFTER AN UNCONDITIONAL JUMP IF THE	CDCM	311	A
21	CDCM	*			*JP* OPTION IS SELECTED.	CDCM	312	A
22	CDCM	*				CDCM	313	A
23	CDCM	*			ENTRY (B1) = 1.	CDCM	314	A
24	CDCM	*				CDCM	315	A
25	CDCM	*			EXIT NONE.	CDCM	316	A
26	CDCM	*				CDCM	317	A
27	CDCM	*			USES X - 6.	CDCM	318	A
28	CDCM	*			B - 6, 7.	CDCM	319	A
29	CDCM	*			A - 6.	CDCM	320	A
30	CDCM					CDCM	321	A
31	CDCM					CDCM	322	A
32	CDCM	CRT	EQ	++1S17	ENTRY / EXIT	CDCM	323	A
33	CDCM		SB6	B0		CDCM	324	A
34	CDCM		SB7	LE.REG		CDCM	325	A
35	CDCM		MX6	0		CDCM	326	A
36	CDCM	CRT1	SA6	B6+OR.REG		CDCM	327	A
37	CDCM		SB6	B6+B1		CDCM	328	A
38	CDCM		LT	B6,B7,CRT1	LOOP	CDCM	329	A
39	CDCM		EQ	CRT	RETURN	CDCM	330	A
40	CDCM	FBF			TITLE STATEMENT PROCESSING SUBROUTINES.	CDCM	331	A
41	CDCM	**			FBF - FIND BEGINNING OF FIELD.	CDCM	332	A
42	CDCM	*				CDCM	333	A
43	CDCM	*			SCANS FORWARD TO THE NEXT NON-BLANK IN THE STRING BUFFER.	CDCM	334	A
44	CDCM	*				CDCM	335	A
45	CDCM	*			ENTRY (B1) = 1.	CDCM	336	A
46	CDCM	*			*NEXTCOL* POINTS TO A CHARACTER IN THE STRING BUFFER.	CDCM	337	A
47	CDCM	*				CDCM	338	A
48	CDCM	*			EXIT (X6) = *NEXTCOL* = COLUMN NUMBER OF FIRST ENCOUNTERED	CDCM	339	A
49	CDCM	*			NON-BLANK CHARACTER. MAY NOT HAVE CHANGED.	CDCM	340	A
50	CDCM	*				CDCM	341	A
51	CDCM	*			USES X - 1, 2, 3, 6.	CDCM	342	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CDCM

	CDCM	*		B - NONE.		CDCM	343	A
1	CDCM	*		A - 1, 2, 6.		CDCM	344	A
2	CDCM					CDCM	345	A
3	CDCM					CDCM	346	A
4	CDCM	FBF	EQ	**1S16	ENTRY / EXIT	CDCM	347	A
5	CDCM		SA1	NEXTCOL		CDCM	348	A
6	CDCM		SA2	X1+OR.LINE-2	INITIALIZE FETCH	CDCM	349	A
7	CDCM		SX6	1R	BLANK	CDCM	350	A
8	CDCM		SX3	A2+B1	ADDRESS OF FIRST CHAR FETCHED	CDCM	351	A
9	CDCM	FBF1	SA2	A2+B1	NEXT CHAR	CDCM	352	A
10	CDCM		IX2	X6-X2		CDCM	353	A
11	CDCM		ZR	X2,FBF1	LOOP ON BLANK	CDCM	354	A
12	CDCM		SX2	A2		CDCM	355	A
13	CDCM		IX6	X2-X3		CDCM	356	A
14	CDCM		IX6	X1+X6	ADVANCE COLUMN POINTER	CDCM	357	A
15	CDCM		SA6	A1		CDCM	358	A
16	CDCM		EQ	FBF	RETURN	CDCM	359	A
17	CDCM	GSE	TITLE	STATEMENT PROCESSING SUBROUTINES.		CDCM	360	A
18	CDCM	**	GSE	- GET STATEMENT ELEMENT.		CDCM	361	A
19	CDCM	*				CDCM	362	A
20	CDCM	*		*GSE* SCANS CHARACTERS IN A STATEMENT LINE AND INDICATES THE		CDCM	363	A
21	CDCM	*		PRESENCE OF THE FOLLOWING. NOTE THAT MANY ELEMENT TYPES AS		CDCM	364	A
22	CDCM	*		DEFINED FOR THE *COMPASS* ADDRESS FIELD ARE NOT PRESENTLY		CDCM	365	A
23	CDCM	*		HANDLED BECAUSE THEY DO NOT HAVE TO BE HANDLED IN ORDER THAT		CDCM	366	A
24	CDCM	*		*CDCM* PROVIDE CORRECT RESULTS IN THE GREAT MAJORITY OF CASES.		CDCM	367	A
25	CDCM	*				CDCM	368	A
26	CDCM	*		- REGISTERS (A0-A7, B0-B7, X0-X7, A.0-A.7, B.0-B.7, X.0-X.7).		CDCM	369	A
27	CDCM	*		- SYMBOLS (1-8 CHARS IN LENGTH ACCORDING TO *COMPASS* RULES).		CDCM	370	A
28	CDCM	*		- QUALIFIED SYMBOLS ( /SYMBOL NAME/ ).		CDCM	371	A
29	CDCM	*		- EXTERNAL NAMES OF THE FORM =XNAME OR =YNAME. NAME MUST		CDCM	372	A
30	CDCM	*		ADHERE TO THE RULES FOR LINKAGE SYMBOLS.		CDCM	373	A
31	CDCM	*				CDCM	374	A
32	CDCM	*	ENTRY	(B1) = 1.		CDCM	375	A
33	CDCM	*		LINE BUFFER BEGINS AT OR.LINE.		CDCM	376	A
34	CDCM	*		*NEXTCOL* POINTS TO THE FIRST COLUMN TO BE FETCHED.		CDCM	377	A
35	CDCM	*				CDCM	378	A
36	CDCM	*	EXIT	(B1) = 1.		CDCM	379	A
37	CDCM	*		(B2) = TYPE OF ITEM RETURNED AS FOLLOWS:		CDCM	380	A
38	CDCM	*		0 - REGISTER.		CDCM	381	A
39	CDCM	*		1 - ORDINARY SYMBOL		CDCM	382	A
40	CDCM	*		2 - QUALIFIED SYMBOL		CDCM	383	A
41	CDCM	*		3 - EXTERNAL SYMBOL		CDCM	384	A
42	CDCM	*		4 - ANYTHING ELSE		CDCM	385	A
43	CDCM	*		(X1) = ITEM VALUE AS FOLLOWS:		CDCM	386	A
44	CDCM	*		FOR B2 = 0, REGISTER INDEX IN RANGE (0-23);		CDCM	387	A
45	CDCM	*		I.E., 0=A0, 1=A1, 7=A7, 15=B7, 16=X1, ETC.		CDCM	388	A
46	CDCM	*		FOR B2 = 1-3, NAME LEFT JUSTIFIED, ZERO FILL.		CDCM	389	A
47	CDCM	*		FOR B2 = 4, 1ST CHAR RIGHT JUSTIFIED.		CDCM	390	A
48	CDCM	*		MI IF POSITION UNDEFINED.		CDCM	391	A
49	CDCM	*		(X2) = FOR B2 = 0-3, CHARACTER FOLLOWING ITEM IN X1.		CDCM	392	A
50	CDCM	*		FOR B2 = 4, 2ND CHAR RIGHT JUSTIFIED.		CDCM	393	A
51	CDCM	*		MI IF POSITION UNDEFINED.		CDCM	394	A
52								
53		0	1	2	3	4	5	6
54		1234567890123456789012345678901234567890123456789012345678901234567890						
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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CDCM

	CDCM	*	(ITEMLTH) = REGISTER/SYMBOL LENGTH IN CHARACTERS, IF			CDCM	395	A	
1	CDCM	*	B2 = 0 - 3.			CDCM	396	A	1
2	CDCM	*	(NEXTCOL) POINTS TO THE CHARACTER PAST THE CHARACTER			CDCM	397	A	2
3	CDCM	*	IN (X2) ABOVE.			CDCM	398	A	3
4	CDCM	*				CDCM	399	A	4
5	CDCM	*	USES	X - 1, 2, 3, 4, 6, 7.		CDCM	400	A	5
6	CDCM	*		B - 2, 6, 7.		CDCM	401	A	6
7	CDCM	*		A - 1, 2, 3, 4, 6, 7.		CDCM	402	A	7
8	CDCM	*				CDCM	403	A	8
9	CDCM	*	CALLS	GSN.		CDCM	404	A	9
10	CDCM					CDCM	405	A	10
11	CDCM					CDCM	406	A	11
12	CDCM	GSE	EQ	**+1S17	ENTRY / EXIT	CDCM	407	A	12
13	CDCM		RJ	GSN	GET NEXT CHAR	CDCM	408	A	13
14	CDCM		R=	X2,X1-1R=		CDCM	409	A	14
15	CDCM		NZ	X2,GSE10	IF NOT =	CDCM	410	A	15
16	CDCM					CDCM	411	A	16
17	CDCM	*	=	IS FIRST CHAR.	CHECK FOR =X OR =Y.	CDCM	412	A	17
18	CDCM					CDCM	413	A	18
19	CDCM		BX3	X1	SAVE =	CDCM	414	A	19
20	CDCM		RJ	GSN	GET 2ND CHAR	CDCM	415	A	20
21	CDCM		BX4	X1	SAVE 2ND CHAR	CDCM	416	A	21
22	CDCM		R=	X2,X1-1RY		CDCM	417	A	22
23	CDCM		ZR	X2,GSE1	IF =Y	CDCM	418	A	23
24	CDCM		R=	X2,X2+1RY-1RX		CDCM	419	A	24
25	CDCM		NZ	X2,GSE17	IF NEITHER =X NOR =Y, TYPE 4	CDCM	420	A	25
26	CDCM	GSE1	RJ	GSN	GET NEXT CHAR	CDCM	421	A	26
27	CDCM		R=	X2,X1-1RZ-1		CDCM	422	A	27
28	CDCM		PL	X2,GSE16	FIRST CHAR MUST BE ALPHA FOR EXTERNAL NAME	CDCM	423	A	28
29	CDCM		ZR	X1,GSE16		CDCM	424	A	29
30	CDCM					CDCM	425	A	30
31	CDCM	*	FORM NAME FOR EXTERNAL. ANY OF THE FOLLOWING CHARACTERS			CDCM	426	A	31
32	CDCM	*	WILL SIGNAL THE END OF THE NAME: + - * / (BLANK) , (CARAT)			CDCM	427	A	32
33	CDCM					CDCM	428	A	33
34	CDCM		SB7	54	SHIFT COUNT FOR FIRST CHAR	CDCM	429	A	34
35	CDCM		LX4	X1,B7	FIRST CHAR OF NAME	CDCM	430	A	35
36	CDCM		SX6	B1	CURRENT NAME LENGTH	CDCM	431	A	36
37	CDCM		SA6	ITEMLTH		CDCM	432	A	37
38	CDCM	GSE2	SB7	B7-6	SHIFT COUNT FOR NEXT CHAR	CDCM	433	A	38
39	CDCM		RJ	GSN	GET NEXT CHAR	CDCM	434	A	39
40	CDCM		R=	X2,X1-1R+		CDCM	435	A	40
41	CDCM		MI	X2,GSE3	IF CHAR LEGAL FOR NAME	CDCM	436	A	41
42	CDCM		R=	X2,X2+1R+-1R/-1		CDCM	437	A	42
43	CDCM		MI	X2,GSE4	IF ANY OF + - * /	CDCM	438	A	43
44	CDCM		R=	X2,X1-1R,		CDCM	439	A	44
45	CDCM		ZR	X2,GSE4	IF ,	CDCM	440	A	45
46	CDCM		R=	X2,X2+1R,-1R		CDCM	441	A	46
47	CDCM		ZR	X2,GSE4	IF (BLANK)	CDCM	442	A	47
48	CDCM		R=	X2,X1-1R^		CDCM	443	A	48
49	CDCM		ZR	X2,GSE4	IF (CARAT)	CDCM	444	A	49
50	CDCM	GSE3	LX1	X1,B7	POSITION CHAR	CDCM	445	A	50
51	CDCM		SA2	ITEMLTH	ADVANCE NAME LENGTH	CDCM	446	A	51

[illegible]

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CDCM

CDCM	SX7	X2+B1		CDCM	447	A
CDCM	SA7	A2		CDCM	448	A
CDCM	BX4	X4+X1		CDCM	449	A
CDCM	SX3	X7-8	CHECK 7-CHAR MAX LENGTH FOR EXTERNAL NAMES	CDCM	450	A
CDCM	PL	X3,GSE15	IF NAME TOO LONG, RETURN TYPE 4 - UNDEF	CDCM	451	A
CDCM	EQ	GSE2	LOOP FOR NAME	CDCM	452	A
CDCM				CDCM	453	A
CDCM	*		TYPE 3 RETURN - EXTERNAL NAME.	CDCM	454	A
CDCM				CDCM	455	A
CDCM	GSE4	BX2	X1 (X2) = CHARACTER FOLLOWING NAME	CDCM	456	A
CDCM	R=	B2,3		CDCM	457	A
CDCM	LX1	X4	(X1) = NAME	CDCM	458	A
CDCM	EQ	GSE	RETURN	CDCM	459	A
CDCM				CDCM	460	A
CDCM	*		CHECK REMAINING POSSIBLE FIRST CHARS.	CDCM	461	A
CDCM				CDCM	462	A
CDCM	GSE10	BX3	X1 SAVE 1ST CHAR	CDCM	463	A
CDCM	R=	X2,X1-1R*		CDCM	464	A
CDCM	ZR	X2,GSE12	IF FIRST CHAR IS *	CDCM	465	A
CDCM	R=	X2,X1-1R-		CDCM	466	A
CDCM	ZR	X2,GSE12	IF FIRST CHAR IS -	CDCM	467	A
CDCM	R=	X2,X1-1R+		CDCM	468	A
CDCM	ZR	X2,GSE12	IF FIRST CHAR IS +	CDCM	469	A
CDCM	R=	X2,X1-1R/		CDCM	470	A
CDCM	NZ	X2,GSE19	IF FIRST CHAR NOT / GO CHECK FOR SYMBOL	CDCM	471	A
CDCM				CDCM	472	A
CDCM	*		/ IS FIRST CHAR.	CDCM	473	A
CDCM				CDCM	474	A
CDCM	RJ	GSN	GET NEXT CHAR	CDCM	475	A
CDCM	SB2	2	SET FOR QUALIFIER	CDCM	476	A
CDCM	EQ	GSE20	GO CHECK FOR SYMBOL AFTER /	CDCM	477	A
CDCM				CDCM	478	A
CDCM	*		TYPE 4 RETURN CASES.	CDCM	479	A
CDCM				CDCM	480	A
CDCM	GSE11	NE	B2,B1,GSE13 IF QUALIFIER, TWO CHARS ALREADY FETCHED	CDCM	481	A
CDCM	GSE12	RJ	GSN GET NEXT CHAR	CDCM	482	A
CDCM	GSE13	BX2	X1 (X2) = 2ND CHAR	CDCM	483	A
CDCM		BX1	X3 (X1) = 1ST CHAR	CDCM	484	A
CDCM		EQ	GSE18 ISSUE TYPE 4 RETURN	CDCM	485	A
CDCM				CDCM	486	A
CDCM	GSE15	SX1	-B1 UNDEFINED RETURN	CDCM	487	A
CDCM		SX2	-B1	CDCM	488	A
CDCM		EQ	GSE18	CDCM	489	A
CDCM				CDCM	490	A
CDCM	GSE16	SA1	NEXTCOL BACK UP ONE COLUMN	CDCM	491	A
CDCM		SX6	X1-1	CDCM	492	A
CDCM		SA6	A1	CDCM	493	A
CDCM	GSE17	BX1	X3 (X1) = 1ST CHAR FETCHED	CDCM	494	A
CDCM		BX2	X4 (X2) = 2ND CHAR FETCHED	CDCM	495	A
CDCM	GSE18	SB2	4	CDCM	496	A
CDCM		EQ	GSE RETURN	CDCM	497	A
CDCM				CDCM	498	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CDCM

	CDCM	*	CHECK FOR LEGAL FIRST CHAR FOR A SYMBOL NAME. ANY CHAR IS				CDCM	499	A
1	CDCM	*	LEGAL EXCEPT (COLON) (NUMERIC) + - * / \$ = (BLANK) , (CARAT)				CDCM	500	A
2	CDCM						CDCM	501	A
3	CDCM	GSE19	SB2	B1	(B2) = 1 FOR SYMBOL		CDCM	502	A
4	CDCM	GSE20	ZR	X1,GSE11	IF FIRST CHAR IS COLON		CDCM	503	A
5	CDCM		R=	X2,X1-1R0			CDCM	504	A
6	CDCM		MI	X2,GSE21	ALPHA - LEGAL 1ST CHAR		CDCM	505	A
7	CDCM		R=	X2,X2+1R0-1R9-1			CDCM	506	A
8	CDCM		MI	X2,GSE11	NUMERIC NOT LEGAL		CDCM	507	A
9	CDCM		R=	X2,X1-1R+			CDCM	508	A
10	CDCM		ZR	X2,GSE11	+ NOT LEGAL		CDCM	509	A
11	CDCM		R=	X2,X1-1R-			CDCM	510	A
12	CDCM		ZR	X2,GSE11	- NOT LEGAL		CDCM	511	A
13	CDCM		R=	X2,X1-1R*			CDCM	512	A
14	CDCM		ZR	X2,GSE11	* NOT LEGAL		CDCM	513	A
15	CDCM		R=	X2,X1-1R/			CDCM	514	A
16	CDCM		ZR	X2,GSE11	/ NOT LEGAL		CDCM	515	A
17	CDCM		R=	X2,X1-1R\$			CDCM	516	A
18	CDCM		ZR	X2,GSE11	\$ NOT LEGAL		CDCM	517	A
19	CDCM		R=	X2,X1-1R=			CDCM	518	A
20	CDCM		ZR	X2,GSE11	= NOT LEGAL		CDCM	519	A
21	CDCM		R=	X2,X1-1R			CDCM	520	A
22	CDCM		ZR	X2,GSE11	(BLANK) NOT LEGAL		CDCM	521	A
23	CDCM		R=	X2,X1-1R,			CDCM	522	A
24	CDCM		ZR	X2,GSE11	, NOT LEGAL		CDCM	523	A
25	CDCM		R=	X2,X1-1R^			CDCM	524	A
26	CDCM		ZR	X2,GSE11	(CARAT) NOT LEGAL		CDCM	525	A
27	CDCM						CDCM	526	A
28	CDCM	*	FORM SYMBOL NAME. REMAINING CHARS MAY BE ANYTHING EXCEPT				CDCM	527	A
29	CDCM	*	+ - * / (BLANK) , (CARAT)				CDCM	528	A
30	CDCM						CDCM	529	A
31	CDCM	GSE21	SX6	B1	STARTING SYMBOL LENGTH		CDCM	530	A
32	CDCM		SA6	ITEMLTH			CDCM	531	A
33	CDCM		SB7	54	STARTING CHAR SHIFT COUNT		CDCM	532	A
34	CDCM		MX4	0	(X4) = SYMBOL		CDCM	533	A
35	CDCM	GSE22	LX1	X1,B7	SHIFT CHAR TO POSITION		CDCM	534	A
36	CDCM		BX4	X4+X1	ADD CHAR TO SYMBOL		CDCM	535	A
37	CDCM		SB7	B7-6	ADVANCE SHIFT COUNT FOR NEXT CHAR		CDCM	536	A
38	CDCM		RJ	GSN	GET NEXT CHAR		CDCM	537	A
39	CDCM		R=	X2,X1-1R+			CDCM	538	A
40	CDCM		MI	X2,GSE23	LEGAL CHAR IF COLON OR ALPHANUMERIC		CDCM	539	A
41	CDCM		R=	X2,X1-1R/-1			CDCM	540	A
42	CDCM		MI	X2,GSE30	AT END OF SYMBOL IF + - * OR /		CDCM	541	A
43	CDCM		R=	X2,X1-1R			CDCM	542	A
44	CDCM		ZR	X2,GSE30	AT END OF SYMBOL IF (BLANK)		CDCM	543	A
45	CDCM		R=	X2,X1-1R,			CDCM	544	A
46	CDCM		ZR	X2,GSE30	AT END OF SYMBOL IF ,		CDCM	545	A
47	CDCM		R=	X2,X1-1R^			CDCM	546	A
48	CDCM		ZR	X2,GSE30	AT END OF SYMBOL IF (CARAT)		CDCM	547	A
49	CDCM	GSE23	SA2	ITEMLTH	ADVANCE SYMBOL LENGTH		CDCM	548	A
50	CDCM		SX6	X2+B1			CDCM	549	A
51	CDCM		SA6	A2			CDCM	550	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CDCM

	CDCM		SX3	X6-9	CHECK 8-CHAR MAX LENGTH	CDCM	551	A
1	CDCM		MI	X3,GSE22	IF SYMBOL NOT TOO LONG	CDCM	552	A
2	CDCM		EQ	GSE15	TYPE 4 RETURN - UNDEFINED	CDCM	553	A
3	CDCM					CDCM	554	A
4	CDCM	*			DETERMINE IF SYMBOL NAME IS ALSO A LEGAL REGISTER NAME.	CDCM	555	A
5	CDCM	*			(X1) = TERMINATING CHAR; (X4) = SYMBOL NAME.	CDCM	556	A
6	CDCM					CDCM	557	A
7	CDCM	GSE30	SB7	X1	SAVE TERMINATING CHAR	CDCM	558	A
8	CDCM		MX7	-6	CHAR MASK	CDCM	559	A
9	CDCM		NE	B2,B1,GSE40	IF QUALIFIER, DO NOT CHECK FOR REGISTER	CDCM	560	A
10	CDCM		SA2	ITEMLTH		CDCM	561	A
11	CDCM		SX2	X2-2	(X2) = 0 IF LENGTH = 2, 1 IF LENGTH = 3	CDCM	562	A
12	CDCM		ZR	X2,GSE31	IF LENGTH = 2	CDCM	563	A
13	CDCM		SX3	X2-1		CDCM	564	A
14	CDCM		NZ	X3,GSE40	IF LENGTH .NE. 2 OR 3 - NOT REGISTER	CDCM	565	A
15	CDCM	GSE31	BX3	X4		CDCM	566	A
16	CDCM		LX3	6	GET FIRST CHAR	CDCM	567	A
17	CDCM		BX1	-X7*X3		CDCM	568	A
18	CDCM		SB6	B0	SET FOR A-REG NAME	CDCM	569	A
19	CDCM		R=	X1,X1-1RA		CDCM	570	A
20	CDCM		ZR	X1,GSE32	IF FIRST CHAR = A	CDCM	571	A
21	CDCM		SB6	8	SET FOR B-REG NAME	CDCM	572	A
22	CDCM		R=	X1,X1+1RA-1RB		CDCM	573	A
23	CDCM		ZR	X1,GSE32	IF FIRST CHAR = B	CDCM	574	A
24	CDCM		SB6	16	SET FOR X-REG NAME	CDCM	575	A
25	CDCM		R=	X1,X1+1RB-1RX		CDCM	576	A
26	CDCM		NZ	X1,GSE40	FIRST CHAR NOT A, B, OR X - NOT REGISTER	CDCM	577	A
27	CDCM	GSE32	ZR	X2,GSE33	IF LENGTH = 2	CDCM	578	A
28	CDCM		LX3	6	CHECK 2ND CHAR FOR .	CDCM	579	A
29	CDCM		BX1	-X7*X3		CDCM	580	A
30	CDCM		R=	X1,X1-1R.		CDCM	581	A
31	CDCM		NZ	X1,GSE40	IF NOT A.N, B.N, OR X.N FORM	CDCM	582	A
32	CDCM	GSE33	LX3	6	GET LAST (2ND OR 3RD) CHAR TO CHECK 0-7	CDCM	583	A
33	CDCM		BX1	-X7*X3		CDCM	584	A
34	CDCM		R=	X2,X1-1R0		CDCM	585	A
35	CDCM		MI	X2,GSE40	IF LAST CHAR NOT NUMERIC - NOT REGISTER	CDCM	586	A
36	CDCM		R=	X3,X2-8		CDCM	587	A
37	CDCM		PL	X3,GSE40	IF LAST CHAR NOT 0-7 - NOT REGISTER	CDCM	588	A
38	CDCM					CDCM	589	A
39	CDCM	*			TYPE 0 RETURN. SYMBOL NAME IS ALSO A REGISTER NAME. COMPUTE	CDCM	590	A
40	CDCM	*			INDEX FOR A0-A7 = 0-7, B0-B7 = 8-15, AND X0-X7 = 16-23.	CDCM	591	A
41	CDCM					CDCM	592	A
42	CDCM		SX1	B6+X2	(X1) = REGISTER INDEX	CDCM	593	A
43	CDCM		SX2	B7	(X2) = TERMINATING CHAR	CDCM	594	A
44	CDCM		SB2	B0		CDCM	595	A
45	CDCM		EQ	GSE	RETURN	CDCM	596	A
46	CDCM					CDCM	597	A
47	CDCM	*			TYPE 1 RETURN. ORDINARY SYMBOL NAME.	CDCM	598	A
48	CDCM	*			TYPE 2 RETURN. QUALIFIER SYMBOL NAME.	CDCM	599	A
49	CDCM					CDCM	600	A
50	CDCM	GSE40	BX1	X4	(X1) = SYMBOL NAME	CDCM	601	A
51	CDCM		SX2	B7	(X2) = TERMINATING CHAR	CDCM	602	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CDCM

	CDCM		EQ	GSE	RETURN	CDCM	603	A	
1	CDCM					CDCM	604	A	1
2	CDCM	*	SUBROUTINE TO GET NEXT CHAR AND ADVANCE COLUMN COUNT.			CDCM	605	A	2
3	CDCM	*	ONLY USES A1, A2, A6, X1, X2, X6			CDCM	606	A	3
4	CDCM					CDCM	607	A	4
5	CDCM	GSN	EQ	**1S17	ENTRY / EXIT	CDCM	608	A	5
6	CDCM		SA2	NEXTCOL	NEXT COLUMN NUMBER (1 IS FIRST)	CDCM	609	A	6
7	CDCM		SA1	X2+OR.LINE-1	NEXT CHAR	CDCM	610	A	7
8	CDCM		SX6	X2+B1	ADVANCE COLUMN	CDCM	611	A	8
9	CDCM		SA6	A2		CDCM	612	A	9
10	CDCM		EQ	GSN	RETURN	CDCM	613	A	10
11	CDCM					CDCM	614	A	11
12	CDCM	COMCOL	CON	DEFCOL	STARTING COMMENTS COLUMN	CDCM	615	A	12
13	CDCM	ITEMLTH	CON	0	SYMBOL LENGTH IN CHARACTERS	CDCM	616	A	13
14	CDCM	NEXTCOL	CON	0	NEXT COLUMN TO FETCH	CDCM	617	A	14
15	CDCM	PCS	TITLE	STATEMENT PROCESSING SUBROUTINES.		CDCM	618	A	15
16	CDCM	**	PCS - PROCESS CURRENT STATEMENT.			CDCM	619	A	16
17	CDCM	*				CDCM	620	A	17
18	CDCM	*	THE CURRENT SOURCE LINE IS EXAMINED, AND INFORMATION IS			CDCM	621	A	18
19	CDCM	*	STORED ACCORDING TO THE TYPE OF LINE.			CDCM	622	A	19
20	CDCM	*				CDCM	623	A	20
21	CDCM	*	1) IF THE STATEMENT HAS A LOCATION SYMBOL, AND IF EITHER THE			CDCM	624	A	21
22	CDCM	*	OP-CODE FOR THIS STATEMENT OR FOR THE PREVIOUS STATEMENT			CDCM	625	A	22
23	CDCM	*	IS THAT OF AN EXECUTABLE INSTRUCTION, THEN AN *O.LOC* TABLE			CDCM	626	A	23
24	CDCM	*	ENTRY IS CREATED CONTAINING THE LOCATION SYMBOL.			CDCM	627	A	24
25	CDCM	*				CDCM	628	A	25
26	CDCM	*	2) TABLE *OR.REG* IS MAINTAINED WITH THE MOST-RECENT VALUES			CDCM	629	A	26
27	CDCM	*	OF SYMBOLS FOR THE RESULT REGISTER (IF THERE IS ONE) OF			CDCM	630	A	27
28	CDCM	*	THIS STATEMENT. THE NUMBER OF SYMBOLS THAT MAY BE SAVED			CDCM	631	A	28
29	CDCM	*	PER REGISTER IS CONTROLLED BY THE SYMBOL *PCSNVAL*.			CDCM	632	A	29
30	CDCM	*				CDCM	633	A	30
31	CDCM	*	3) IF THE STATEMENT IS THAT OF A STORE INSTRUCTION (SA6, SA7,			CDCM	634	A	31
32	CDCM	*	OR EQUIVALENT), THEN AN INTERMEDIATE FILE ENTRY IS CREATED			CDCM	635	A	32
33	CDCM	*	CONTAINING THE CURRENT SYMBOL NAMES HELD IN THE			CDCM	636	A	33
34	CDCM	*	CORRESPONDING *OR.REG* ENTRY FOR A6 OR A7. THE LINE IMAGE			CDCM	637	A	34
35	CDCM	*	IS STORED WITH THE ENTRY.			CDCM	638	A	35
36	CDCM	*				CDCM	639	A	36
37	CDCM	*				CDCM	640	A	37
38	CDCM	*	ENTRY CURRENT STATEMENT IS IN THE STRING BUFFER.			CDCM	641	A	38
39	CDCM	*				CDCM	642	A	39
40	CDCM	*	EXIT ALL TABLES UPDATED ACCORDINGLY.			CDCM	643	A	40
41	CDCM	*				CDCM	644	A	41
42	CDCM	*	USES ALL REGISTERS.			CDCM	645	A	42
43	CDCM					CDCM	646	A	43
44	CDCM					CDCM	647	A	44
45	CDCM	PCS	EQ	**1S17	ENTRY / EXIT	CDCM	648	A	45
46	CDCM					CDCM	649	A	46
47	CDCM	*	MOVE LINE IMAGE INTO ONE CHAR PER WORD STRING BUFFER.			CDCM	650	A	47
48	CDCM					CDCM	651	A	48
49	CDCM		SA2	OR.LINE-1	INITIALIZE STORE POINTER	CDCM	652	A	49
50	CDCM		SB2	B0	CHAR/WORD COUNT	CDCM	653	A	50
51	CDCM		BX6	X2		CDCM	654	A	51
52									52
53		0	1	2	3	4	5	6	53
54		1234567890123456789012345678901234567890123456789012345678901234567890							54

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CDCM

	CDCM	SB3	10	CHAR/WORD MAX	CDCM	655	A
1	CDCM	SA6	A2		CDCM	656	A
2	CDCM	MX0	-6		CDCM	657	A
3	CDCM	SA1	ILINE	GET FIRST WORD	CDCM	658	A
4	CDCM	SX3	CONCAT		CDCM	659	A
5	CDCM	SB7	A1+LINELTH		CDCM	660	A
6	CDCM	PCS1	LX1	6	CDCM	661	A
7	CDCM	SB2	B2+B1	EXTRACT AND STORE NEXT CHARACTER	CDCM	662	A
8	CDCM	BX6	-X0*X1		CDCM	663	A
9	CDCM	IX7	X6-X3		CDCM	664	A
10	CDCM	ZR	X7,PCS2	IF CONCATENATION CHAR	CDCM	665	A
11	CDCM	SA6	A6+B1		CDCM	666	A
12	CDCM	PCS2	LT	B2,B3,PCS1	CDCM	667	A
13	CDCM	SA1	A1+B1	LOOP FOR CURRENT WORD	CDCM	668	A
14	CDCM	SB2	B0	GET NEXT WORD	CDCM	669	A
15	CDCM	SB6	A1	RESET CHAR/WORD COUNT	CDCM	670	A
16	CDCM	LT	B6,B7,PCS1	CHECK IF DONE	CDCM	671	A
17	CDCM	SX6	B1	IF NOT DONE	CDCM	672	A
18	CDCM	SA6	NEXTCOL	SET TO FIRST COLUMN IN STRING BUFFER	CDCM	673	A
19	CDCM				CDCM	674	A
20	CDCM	*		INITIALIZE TEMPORARY AREA FOR NEW STATEMENT.	CDCM	675	A
21	CDCM				CDCM	676	A
22	CDCM	MX7	0	CLEAR OUT TEMPORARY AREA	CDCM	677	A
23	CDCM	SB2	PCSA		CDCM	678	A
24	CDCM	SB3	PCSZ		CDCM	679	A
25	CDCM	PCS3	SA7	B2	CDCM	680	A
26	CDCM	SB2	B2+B1		CDCM	681	A
27	CDCM	LT	B2,B3,PCS3		CDCM	682	A
28	CDCM				CDCM	683	A
29	CDCM	*		PROCESS LOCATION FIELD.	CDCM	684	A
30	CDCM				CDCM	685	A
31	CDCM	RJ	FBF	FIND BEGINNING OF FIELD	CDCM	686	A
32	CDCM	SX1	X6-3		CDCM	687	A
33	CDCM	BX0	X6	(X0) = COLUMN NUMBER FROM *FBF*	CDCM	688	A
34	CDCM	PL	X1,PCS11	IF COLUMN .GT. 3, NO LOCATION FIELD	CDCM	689	A
35	CDCM	RJ	GSE	GET STATEMENT ELEMENT	CDCM	690	A
36	CDCM	SA4	PCSID		CDCM	691	A
37	CDCM	NZ	X4,PCS11	IF EXPECTING *IDENT* STATEMENT	CDCM	692	A
38	CDCM	NE	B2,B1,PCS10	IF LOCATION FIELD NOT A SYMBOL	CDCM	693	A
39	CDCM	BX6	X1	SAVE LOCATION SYMBOL	CDCM	694	A
40	CDCM	SA6	PCSL0C		CDCM	695	A
41	CDCM	PCS10	RJ	FBF	CDCM	696	A
42	CDCM	SA2	COMCOL	FIND BEGINNING OF FIELD	CDCM	697	A
43	CDCM	IX3	X6-X2		CDCM	698	A
44	CDCM	MI	X3,PCS20	IF OP-CODE PRESENT	CDCM	699	A
45	CDCM				CDCM	700	A
46	CDCM	*		LOCATION FIELD, BUT NO OP-CODE. SET OP-CODE TO *CON*.	CDCM	701	A
47	CDCM				CDCM	702	A
48	CDCM	SA1	=0LCON	SET OPCODE = *CON*	CDCM	703	A
49	CDCM	BX7	X1		CDCM	704	A
50	CDCM	EQ	PCS24	ENTER OP-CODE PROCESSING	CDCM	705	A
51	CDCM				CDCM	706	A

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\* NO LOCATION FIELD. CHECK IF OPCODE PRESENT.

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CDCM

	CDCM		BX7	X7*X4	RESULT REGISTER AND REPLACE WITH	CDCM	759	A
1	CDCM		SX3	1R0	REGISTER NUMBER OF 0	CDCM	760	A
2	CDCM		LX3	7*6		CDCM	761	A
3	CDCM		BX7	X7+X3		CDCM	762	A
4	CDCM					CDCM	763	A
5	CDCM	*			FIND OPCODE IN INSTRUCTION TABLE AND SET CHARACTERISTICS.	CDCM	764	A
6	CDCM					CDCM	765	A
7	CDCM	PCS24	SA2	PCSTT	TARGET LOCATION IN INSTRUCTION TABLE	CDCM	766	A
8	CDCM		SA7	X2	STORE OPCODE FOR TABLE SEARCH	CDCM	767	A
9	CDCM		R=	B2,2	(B2) = 2	CDCM	768	A
10	CDCM		SB4	X2	(B4) = ADDR OF TARGET VALUE	CDCM	769	A
11	CDCM		SA4	PCSITAB-2	FIRST-1 TABLE ENTRY	CDCM	770	A
12	CDCM	PCS25	SA4	A4+B2	NEXT ENTRY	CDCM	771	A
13	CDCM		BX3	X4-X7		CDCM	772	A
14	CDCM		NZ	X3,PCS25	LOOP UNTIL MATCH	CDCM	773	A
15	CDCM		SB3	A4		CDCM	774	A
16	CDCM		EQ	B3,B4,PCS90	IF NOT IN TABLE	CDCM	775	A
17	CDCM		SA1	A4+B1	2ND WORD OF ENTRY	CDCM	776	A
18	CDCM					CDCM	777	A
19	CDCM	*			ENTER PROCESSOR IF AN ADDRESS IS PRESENT.	CDCM	778	A
20	CDCM					CDCM	779	A
21	CDCM		SB7	X1		CDCM	780	A
22	CDCM		ZR	B7,PCS26	IF NO PROCESSOR	CDCM	781	A
23	CDCM		JP	B7	ENTER PROCESSOR	CDCM	782	A
24	CDCM					CDCM	783	A
25	CDCM	PCS26	PL	X1,PCS90	IF OPCODE DOES NOT RESULT IN ANY CODE	CDCM	784	A
26	CDCM				(EXECUTABLE OR NON-EXECUTABLE)	CDCM	785	A
27	CDCM		SA2	PCSCLC	SET PREVIOUS EXEC CODE FLAG = CURRENT / 2	CDCM	786	A
28	CDCM		AX6	X2,B1	(= 0 IF LAST INST. WAS UNCONDITIONAL JUMP)	CDCM	787	A
29	CDCM		LX1	1		CDCM	788	A
30	CDCM		SA6	PCSPLC		CDCM	789	A
31	CDCM		MX6	0	CURRENT EXEC CODE FLAG = 0	CDCM	790	A
32	CDCM		SA6	A2		CDCM	791	A
33	CDCM		SX6	B1		CDCM	792	A
34	CDCM		R=	X7,2		CDCM	793	A
35	CDCM		PL	X1,PCS80	IF OPCODE IS NOT AN EXECUTABLE INSTRUCTION	CDCM	794	A
36	CDCM		SA7	A2	CURRENT EXEC CODE FLAG = 2	CDCM	795	A
37	CDCM		LX1	1		CDCM	796	A
38	CDCM		PL	X1,PCS80	IF NO RESULT REGISTER FOR THIS OPCODE	CDCM	797	A
39	CDCM		SA6	PCSRCG	SET RESULT REGISTER FLAG	CDCM	798	A
40	CDCM		LX1	1		CDCM	799	A
41	CDCM		MX7	0		CDCM	800	A
42	CDCM		PL	X1,PCS31	IF INSTRUCTION YIELDS RESULT REGISTER WITH	CDCM	801	A
43	CDCM				A MEANINGFUL VALUE	CDCM	802	A
44	CDCM		SA2	PCSRR	CLEAR *OR.REG* VALUES FOR RESULT REGISTER	CDCM	803	A
45	CDCM		SB6	B0		CDCM	804	A
46	CDCM		SB7	PCSNVAL		CDCM	805	A
47	CDCM	PCS30	SA7	X2+OR.REG	CLEAR *OR.REG* ENTRY	CDCM	806	A
48	CDCM		SX2	X2+NREG		CDCM	807	A
49	CDCM		SB6	B6+B1		CDCM	808	A
50	CDCM		LT	B6,B7,PCS30	LOOP	CDCM	809	A
51	CDCM		EQ	PCS80	GO COMPLETE STATEMENT PROCESSING	CDCM	810	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CDCM

	CDCM									CDCM	811	A
1	CDCM	PCS31	SA1	PCS0C						CDCM	812	A
2	CDCM		SA2	=0LSA7						CDCM	813	A
3	CDCM		IX3	X2-X1						CDCM	814	A
4	CDCM		ZR	X3,PCS32	IF *SA7*					CDCM	815	A
5	CDCM		SX4	B1						CDCM	816	A
6	CDCM		LX4	42	000001000000000000000B					CDCM	817	A
7	CDCM		IX3	X3-X4						CDCM	818	A
8	CDCM		ZR	X3,PCS32	IF *SA6*					CDCM	819	A
9	CDCM		SA2	=0LSA.7						CDCM	820	A
10	CDCM		IX3	X2-X1						CDCM	821	A
11	CDCM		ZR	X3,PCS32	IF *SA.7*					CDCM	822	A
12	CDCM		LX4	-6	000000010000000000000B					CDCM	823	A
13	CDCM		IX3	X3-X4						CDCM	824	A
14	CDCM		NZ	X3,PCS33	IF NOT *SA.6*					CDCM	825	A
15	CDCM	PCS32	SA6	PCSSTF	SET STORE FLAG					CDCM	826	A
16	CDCM		EQ	PCS50	GO PROCESS ADDRESS FIELD					CDCM	827	A
17	CDCM									CDCM	828	A
18	CDCM	PCS33	SA2	=0LR=						CDCM	829	A
19	CDCM		IX3	X2-X1						CDCM	830	A
20	CDCM		SX6	-B1						CDCM	831	A
21	CDCM		NZ	X3,PCS50	IF OPCODE NOT *R=*					CDCM	832	A
22	CDCM		SA6	PCSSTF	SET STORE FLAG SO FIRST ADDRESS FIELD WILL					CDCM	833	A
23	CDCM				BE CHECKED FOR A RESULT REGISTER					CDCM	834	A
24	CDCM									CDCM	835	A
25	CDCM	*		PROCESS ADDRESS FIELD.						CDCM	836	A
26	CDCM									CDCM	837	A
27	CDCM	PCS50	RJ	FBF	FIND BEGINNING OF FIELD					CDCM	838	A
28	CDCM		SA2	COMCOL						CDCM	839	A
29	CDCM		IX2	X6-X2						CDCM	840	A
30	CDCM		PL	X2,PCS90	IF NO ADDRESS FIELD					CDCM	841	A
31	CDCM									CDCM	842	A
32	CDCM	*		IF OPCODE WAS *R=*, ADDRESS FIELD SHOULD BEGIN WITH REGISTER.						CDCM	843	A
33	CDCM									CDCM	844	A
34	CDCM		SA1	PCSSTF						CDCM	845	A
35	CDCM		PL	X1,PCS52	IF NOT *R=*					CDCM	846	A
36	CDCM		RJ	GSE	GET STATEMENT ELEMENT					CDCM	847	A
37	CDCM		NZ	B2,PCS90	IF NOT REGISTER					CDCM	848	A
38	CDCM		BX7	X1	REGISTER INDEX					CDCM	849	A
39	CDCM		SX6	B1	SET FOR STORE					CDCM	850	A
40	CDCM		R=	X3,X1-7	(X1) = 6 OR 7 FOR A6, A7, RESPECTIVELY					CDCM	851	A
41	CDCM		ZR	X3,PCS51	IF A6					CDCM	852	A
42	CDCM		R=	X3,X3+7-6						CDCM	853	A
43	CDCM		ZR	X3,PCS51	IF A7					CDCM	854	A
44	CDCM		SX6	B0	SET FOR NOT A STORE					CDCM	855	A
45	CDCM	PCS51	SA6	PCSSTF						CDCM	856	A
46	CDCM		SA7	PCSRR	SET RESULT REGISTER INDEX					CDCM	857	A
47	CDCM	PCS52	RJ	GSE	GET STATEMENT ELEMENT					CDCM	858	A
48	CDCM		SB3	B2-4						CDCM	859	A
49	CDCM		NZ	B3,PCS55	IF CANNOT BE *+ OR *-					CDCM	860	A
50	CDCM		R=	X3,X1-1R*						CDCM	861	A
51	CDCM		NZ	X3,PCS55	IF 1ST CHAR NOT *					CDCM	862	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CDCM

	CDCM	R=	X3,X2-1R-		CDCM	863	A
1	CDCM	ZR	X3,PCS53	IF *-	CDCM	864	A
2	CDCM	R=	X3,X2-1R+		CDCM	865	A
3	CDCM	NZ	X3,PCS55	IF NEITHER *+ NOR *-	CDCM	866	A
4	CDCM	PCS53	SA2	PCSSTF	CDCM	867	A
5	CDCM	ZR	X2,PCS80	IF NOT A STORE INSTRUCTION	CDCM	868	A
6	CDCM	MX6	1	FORCE INTERMEDIATE FILE ENTRY TO BE LISTED	CDCM	869	A
7	CDCM	SA6	PCSE		CDCM	870	A
8	CDCM	EQ	PCS80	GO TO FINAL PROCESSING	CDCM	871	A
9	CDCM				CDCM	872	A
10	CDCM	*		PROCESS REMAINING ADDRESS FIELDS. FIRST CHECK FOR REGISTER.	CDCM	873	A
11	CDCM				CDCM	874	A
12	CDCM	PCS54	RJ	GSE GET STATEMENT ELEMENT	CDCM	875	A
13	CDCM	PCS55	NZ	B2,PCS57 IF NOT A REGISTER	CDCM	876	A
14	CDCM	SB3	X1	INDEX INTO *OR.REG* FOR PREVIOUS SYMBOLS	CDCM	877	A
15	CDCM	SA2	PCSVALC	(X2)= NUMBER OF SYMBOLS STORED IN *PCSVALS*	CDCM	878	A
16	CDCM	PCS56	SA3	B3+OR.REG NEXT SYMBOL, IF ANY	CDCM	879	A
17	CDCM	ZR	X3,PCS54	IF NO MORE SYMBOLS FOR THIS REGISTER	CDCM	880	A
18	CDCM	SB7	X2-PCSNVAL		CDCM	881	A
19	CDCM	PL	B7,PCS80	IF MAXIMUM NUMBER OF SYMBOLS ALREADY STORED	CDCM	882	A
20	CDCM	BX6	X3	STORE CURRENT SYMBOL	CDCM	883	A
21	CDCM	SA6	X2+PCSVALS		CDCM	884	A
22	CDCM	SX2	X2+B1	ADVANCE COUNT OF SYMBOLS STORED	CDCM	885	A
23	CDCM	BX7	X2		CDCM	886	A
24	CDCM	SA7	A2		CDCM	887	A
25	CDCM	SB3	B3+NREG	ADVANCE FETCH INDEX	CDCM	888	A
26	CDCM	EQ	PCS56	LOOP FOR NEXT *OR.REG* SYMBOL	CDCM	889	A
27	CDCM				CDCM	890	A
28	CDCM	*		CHECK FOR AN UN-QUALIFIED SYMBOL.	CDCM	891	A
29	CDCM				CDCM	892	A
30	CDCM	PCS57	SB3	B0 (B3) = 0 FOR IMPLICIT QUALIFICATION	CDCM	893	A
31	CDCM	MX5	0	(X5) = 0 FOR NO QUALIFIER INDEX	CDCM	894	A
32	CDCM	EQ	B2,B1,PCS63	IF A SYMBOL WITHOUT QUALIFIER	CDCM	895	A
33	CDCM				CDCM	896	A
34	CDCM	*		CHECK FOR EXTERNAL (=X OR =Y).	CDCM	897	A
35	CDCM				CDCM	898	A
36	CDCM	SX7	B2-3		CDCM	899	A
37	CDCM	NZ	X7,PCS58	IF NOT EXTERNAL	CDCM	900	A
38	CDCM	SA2	0.EXT		CDCM	901	A
39	CDCM	RJ	ANT	ADD NAME TO TABLE	CDCM	902	A
40	CDCM	EQ	PCS63	GO PROCESS AS SYMBOL	CDCM	903	A
41	CDCM				CDCM	904	A
42	CDCM	*		CHECK FOR // PRECEDING A SYMBOL.	CDCM	905	A
43	CDCM				CDCM	906	A
44	CDCM	PCS58	SX7	B2-4	CDCM	907	A
45	CDCM	SB3	B1	(B3) = 1 FOR EXPLICIT QUALIFICATION	CDCM	908	A
46	CDCM	NZ	X7,PCS59	IF CANNOT BE //	CDCM	909	A
47	CDCM	SX3	X1-1R/		CDCM	910	A
48	CDCM	NZ	X3,PCS80	IF 1ST CHAR NOT /	CDCM	911	A
49	CDCM	SX4	X2-1R/		CDCM	912	A
50	CDCM	NZ	X4,PCS80	IF 2ND CHAR NOT /	CDCM	913	A
51	CDCM	EQ	PCS62	GO GET SYMBOL	CDCM	914	A

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CDCM

	CDCM									CDCM	915	A	
1	CDCM	*	CHECK FOR /(QUAL-NAME)/ PRECEDING A SYMBOL.						CDCM	916	A		
2	CDCM							CDCM	917	A			
3	CDCM	PCS59	SB2	B2-2				CDCM	918	A			
4	CDCM		NZ	B2,PCS80	IF NOT A QUALIFIER NAME			CDCM	919	A			
5	CDCM		SX2	X2-1R/				CDCM	920	A			
6	CDCM		NZ	X2,PCS80	IF NAME NOT FOLLOWED BY /			CDCM	921	A			
7	CDCM							CDCM	922	A			
8	CDCM	*	QUALIFIER NAME FOUND. IF NOT IN *O.QUL*, ADD IT.						CDCM	923	A		
9	CDCM							CDCM	924	A			
10	CDCM		SA2	O.QUL				CDCM	925	A			
11	CDCM		SA3	A2+B1	*O.QUL* LENGTH			CDCM	926	A			
12	CDCM		SB2	X2	(B2) = FWA *O.QUL*			CDCM	927	A			
13	CDCM		ZR	X3,PCS61	IF *O.QUL* EMPTY			CDCM	928	A			
14	CDCM		SA5	B2+X3	SAVE (LWA+1)			CDCM	929	A			
15	CDCM		BX7	X5				CDCM	930	A			
16	CDCM		SB7	A5	(B7) = LWA+1			CDCM	931	A			
17	CDCM		BX6	X1				CDCM	932	A			
18	CDCM		SA6	A5	SET TARGET VALUE AT LWA+1			CDCM	933	A			
19	CDCM		SA4	B2-B1	FIRST-1 ENTRY			CDCM	934	A			
20	CDCM	PCS60	SA4	A4+B1	SEARCH LOOP			CDCM	935	A			
21	CDCM		BX4	X6-X4				CDCM	936	A			
22	CDCM		NZ	X4,PCS60	LOOP UNTIL HIT			CDCM	937	A			
23	CDCM		SB6	A4				CDCM	938	A			
24	CDCM		SA7	A5	RESTORE (LWA+1)			CDCM	939	A			
25	CDCM		EQ	B6,B7,PCS61	IF NAME NOT IN TABLE			CDCM	940	A			
26	CDCM		SX5	B6-B2	(X5) = INDEX OF QUALIFIER NAME			CDCM	941	A			
27	CDCM		SX5	X5+B1				CDCM	942	A			
28	CDCM		EQ	PCS62				CDCM	943	A			
29	CDCM							CDCM	944	A			
30	CDCM	PCS61	RJ	ADW	ADD NEW NAME TO *O.QUL*			CDCM	945	A			
31	CDCM				(X1) = NEW NAME, (A2) = (X2) = O.QUL			CDCM	946	A			
32	CDCM		BX5	X3	(X5) = NEW TABLE LENGTH = QUAL-INDEX			CDCM	947	A			
33	CDCM							CDCM	948	A			
34	CDCM	*	NEXT ELEMENT AFTER QUALIFIER MUST BE SYMBOL.						CDCM	949	A		
35	CDCM							CDCM	950	A			
36	CDCM	PCS62	RJ	GSE	GET STATEMENT ELEMENT			CDCM	951	A			
37	CDCM		NE	B2,B1,PCS80	IF NOT A SYMBOL			CDCM	952	A			
38	CDCM	PCS63	SA2	PCSVALC				CDCM	953	A			
39	CDCM		SB7	X2-PCSNVAL				CDCM	954	A			
40	CDCM		PL	B7,PCS80	IF MAXIMUM NUMBER OF SYMBOLS ALREADY STORED			CDCM	955	A			
41	CDCM		BX6	X5+X1	FORM NEW ENTRY AND STORE IN *PCSVALS*			CDCM	956	A			
42	CDCM		SX4	B3	G = 1 IF SYMBOL QUALIFIED			CDCM	957	A			
43	CDCM		LX4	9				CDCM	958	A			
44	CDCM		BX6	X4+X6				CDCM	959	A			
45	CDCM		LX6	-12	2/0,1/G,9/QUAL-INDEX,48/NAME			CDCM	960	A			
46	CDCM		SA6	X2+PCSVALS				CDCM	961	A			
47	CDCM		SX7	X2+B1	ADVANCE COUNT OF SYMBOLS STORED			CDCM	962	A			
48	CDCM		SA7	A2				CDCM	963	A			
49	CDCM		EQ	PCS54	LOOP FOR NEXT ADDRESS FIELD			CDCM	964	A			
50	CDCM							CDCM	965	A			
51	CDCM	*	ADD LOCATION SYMBOL(S) TO *O.LOC* IF APPROPRIATE.						CDCM	966	A		
52													
53		0	1	2	3	4	5	6	7	8			
54		1234567890123456789012345678901234567890123456789012345678901234567890											

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CDCM

	CDCM					CDCM	967	A
1	CDCM	PCS80	SA2	PCSCLC	NZ IF CURRENT INSTRUCTION IS EXECUTABLE	CDCM	968	A
2	CDCM		SA3	PCSPLC	NZ IF PREVIOUS INSTRUCTION WAS EXECUTABLE,	CDCM	969	A
3	CDCM				AND NOT AN UNCONDITIONAL, UN-INDEXED JUMP	CDCM	970	A
4	CDCM		MX6	0		CDCM	971	A
5	CDCM		SA1	PCSPVL	SYMBOL FROM A PREVIOUS BSS 0, IF ANY	CDCM	972	A
6	CDCM		BX2	X2+X3		CDCM	973	A
7	CDCM		SA6	A1	CLEAR PREVIOUS SYMBOL	CDCM	974	A
8	CDCM		ZR	X2,PCS82	IF EXECUTABLE CRITERIA NOT MET	CDCM	975	A
9	CDCM		SA5	PCSQI	CURRENT QUAL-INDEX	CDCM	976	A
10	CDCM		LX5	48		CDCM	977	A
11	CDCM		ZR	X1,PCS81	IF NO PREVIOUS LOCATION SYMBOL	CDCM	978	A
12	CDCM		LX1	-12	FORM *0.LOC* ENTRY	CDCM	979	A
13	CDCM		BX1	X1+X5	1/E,2/0,9/QUAL-INDEX,48/NAME	CDCM	980	A
14	CDCM		SA2	0.LOC		CDCM	981	A
15	CDCM		RJ	ADW	ADD WORD TO TABLE	CDCM	982	A
16	CDCM	PCS81	SA1	PCSL0C	SYMBOL FROM CURRENT INSTRUCTION, IF ANY	CDCM	983	A
17	CDCM		ZR	X1,PCS82	IF NONE	CDCM	984	A
18	CDCM		LX1	-12	FORM *0.LOC* ENTRY	CDCM	985	A
19	CDCM		BX1	X1+X5	1/E,2/0,9/QUAL-INDEX,48/NAME	CDCM	986	A
20	CDCM		SA2	0.LOC		CDCM	987	A
21	CDCM		RJ	ADW	ADD WORD TO TABLE	CDCM	988	A
22	CDCM					CDCM	989	A
23	CDCM	*			IF THE CURRENT STATEMENT HAS A RESULT REGISTER, MOVE ENTRIES	CDCM	990	A
24	CDCM	*			FROM TABLE *PCSVALS* TO THE *OR.REG* ENTRIES FOR THE RESULT	CDCM	991	A
25	CDCM	*			REGISTER. IF THE RESULT REGISTER IS A1-5, ALSO CLEAR THE	CDCM	992	A
26	CDCM	*			*OR.REG* ENTRIES FOR THE CORRESPONDING X-REGISTER.	CDCM	993	A
27	CDCM					CDCM	994	A
28	CDCM	PCS82	SA1	PCSRCG		CDCM	995	A
29	CDCM		ZR	X1,PCS85	IF NO RESULT REGISTER	CDCM	996	A
30	CDCM		SA2	PCSRR	RESULT REGISTER INDEX	CDCM	997	A
31	CDCM		SX3	X2-8		CDCM	998	A
32	CDCM		ZR	X3,PCS85	IF RESULT REGISTER = B0	CDCM	999	A
33	CDCM		SB5	B0	*PCSVALS* FETCH INDEX	CDCM	1000	A
34	CDCM		SB7	B0	SET FOR NOT CLEARING X-REGISTER	CDCM	1001	A
35	CDCM		R=	B6,PCSNVAL	NUMBER OF ENTRIES TO MOVE	CDCM	1002	A
36	CDCM		ZR	X2,PCS83	IF RESULT REGISTER = A0	CDCM	1003	A
37	CDCM		SX4	X2-6		CDCM	1004	A
38	CDCM		MX7	0		CDCM	1005	A
39	CDCM		PL	X4,PCS83	IF NOT A1 - A5	CDCM	1006	A
40	CDCM		SB7	B1	SET TO CLEAR X-REGISTER	CDCM	1007	A
41	CDCM	PCS83	SA3	B5+PCSVALS	NEXT SYMBOL (OR ZERO)	CDCM	1008	A
42	CDCM		BX6	X3		CDCM	1009	A
43	CDCM		SB5	B5+B1	ADVANCE FETCH INDEX	CDCM	1010	A
44	CDCM		SA6	X2+OR.REG		CDCM	1011	A
45	CDCM		SX2	X2+NREG	ADVANCE STORE INDEX	CDCM	1012	A
46	CDCM		ZR	B7,PCS84	IF NOT TO CLEAR X-REGISTER	CDCM	1013	A
47	CDCM		SA7	A6+16	CLEAR CORRESPONDING X-REGISTER	CDCM	1014	A
48	CDCM	PCS84	LT	B5,B6,PCS83	LOOP	CDCM	1015	A
49	CDCM					CDCM	1016	A
50	CDCM	*			CHECK IF AN INTERMEDIATE ENTRY IS TO BE ADDED. IT IS IF:	CDCM	1017	A
51	CDCM	*				CDCM	1018	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CDCM

	CDCM	*	1)	IT IS ALREADY FLAGGED AS TO BE ADDED.	CDCM	1019	A
1	CDCM	*	2)	CURRENT INSTRUCTION IS A STORE, AND THERE IS AT LEAST	CDCM	1020	A
2	CDCM	*		ONE NON-ZERO REFERENCE WORD FOR THE RESULT REGISTER IN	CDCM	1021	A
3	CDCM	*		*OR.REG*.	CDCM	1022	A
4	CDCM	*			CDCM	1023	A
5	CDCM				CDCM	1024	A
6	CDCM	PCS85	SA5	PCSE (X5) = FIRST WORD OF INT. FILE ENTRY	CDCM	1025	A
7	CDCM		MI	X5,PCS87 IF ALREADY DETERMINED TO BE LISTED	CDCM	1026	A
8	CDCM		SA4	PCSSTF	CDCM	1027	A
9	CDCM		ZR	X4,PCS90 IF NOT A STORE INSTRUCTION	CDCM	1028	A
10	CDCM		SA2	PCSRR RESULT REGISTER INDEX	CDCM	1029	A
11	CDCM		SX2	X2+OR.REG	CDCM	1030	A
12	CDCM		SB5	B0 NUMBER OF ENTRIES FETCHED	CDCM	1031	A
13	CDCM		SB6	PCSNVAL NUMBER OF ENTRIES TO FETCH	CDCM	1032	A
14	CDCM		SB7	A5+B1 STORE POINTER	CDCM	1033	A
15	CDCM		MX4	0 ACCUMULATOR OF NON-NULL VALUES	CDCM	1034	A
16	CDCM	PCS86	SA3	X2 GET NEXT ENTRY	CDCM	1035	A
17	CDCM		BX4	X4+X3	CDCM	1036	A
18	CDCM		BX6	X3	CDCM	1037	A
19	CDCM		SA6	B7 STORE WORD FOR INTERMEDIATE FILE	CDCM	1038	A
20	CDCM		SX2	X2+NREG ADVANCE FETCH POINTER	CDCM	1039	A
21	CDCM		SB5	B5+B1	CDCM	1040	A
22	CDCM		SB7	B7+B1 ADVANCE STORE POINTER	CDCM	1041	A
23	CDCM		LT	B5,B6,PCS86 LOOP	CDCM	1042	A
24	CDCM		ZR	X4,PCS90 IF NO SYMBOLS INDICATED IN THIS ENTRY,	CDCM	1043	A
25	CDCM			DO NOT PUT IT IN INTERMEDIATE FILE	CDCM	1044	A
26	CDCM				CDCM	1045	A
27	CDCM	*		ADD INTERMEDIATE ENTRY.	CDCM	1046	A
28	CDCM				CDCM	1047	A
29	CDCM	PCS87	SA2	PCSQI STORE CURRENT QUALIFIER INDEX IN INT ENTRY	CDCM	1048	A
30	CDCM		BX6	X2+X5	CDCM	1049	A
31	CDCM		SA6	A5	CDCM	1050	A
32	CDCM		SB2	A5 (B2) = FWA OF INTERMEDIATE ENTRY	CDCM	1051	A
33	CDCM		SB3	INTLTH (B3) = LENGTH	CDCM	1052	A
34	CDCM		RJ	SIF STORE INTERMEDIATE FILE	CDCM	1053	A
35	CDCM		SB2	ILINE PLACE LINE IMAGE IN INTERMEDIATE FILE	CDCM	1054	A
36	CDCM		SB3	LINELTH	CDCM	1055	A
37	CDCM		RJ	SIF STORE INTERMEDIATE FILE	CDCM	1056	A
38	CDCM				CDCM	1057	A
39	CDCM	*		ALL DONE - RETURN.	CDCM	1058	A
40	CDCM				CDCM	1059	A
41	CDCM	PCS90	EQ	PCS RETURN	CDCM	1060	A
42	CDCM	PCSEXIT	EQU	PCS RETURN LOCATION IF NO MORE TO DO FOR STMT	CDCM	1061	A
43	CDCM	PCSPROC	EQU	PCS80 RETURN LOCATION TO PROCESS LOCATION FIELD	CDCM	1062	A
44	CDCM				CDCM	1063	A
45	CDCM	PCSID	CON	1 NZ IF BETWEEN *END* AND *IDENT*	CDCM	1064	A
46	CDCM	PCSCLC	CON	0 NZ IF CURRENT STATEMENT IS EXECUTABLE CODE	CDCM	1065	A
47	CDCM	PCSPLC	CON	0 NZ IF PREVIOUS STATEMENT IS EXECUTABLE CODE	CDCM	1066	A
48	CDCM	PCSPVL	CON	0 ZERO OR LOCATION SYMBOL OF PREVIOUS STMT	CDCM	1067	A
49	CDCM	PCSQI	CON	0 CURRENT QUALIFIER INDEX	CDCM	1068	A
50	CDCM	PCSA	BSS	0 START OF *PCS* TEMPORARY AREA TO BE CLEARED	CDCM	1069	A
51	CDCM	PCSE	BSSZ	INTLTH INTERMEDIATE FILE ENTRY	CDCM	1070	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CDCM

	CDCM	PCSVALC	CON	0	NUMBER OF ADRS FOR CURRENT RESULT REGISTER	CDCM	1071	A
1	CDCM	PCSLOC	CON	0	ZERO OR LOCATION SYMBOL OF CURRENT STMT	CDCM	1072	A
2	CDCM	PCSOC	CON	0	CURRENT OPCODE WITH ACTUAL REGISTER NUMBER	CDCM	1073	A
3	CDCM	PCSRR	CON	0	REGISTER INDEX OF CURRENT RESULT REGISTER	CDCM	1074	A
4	CDCM	PCSRCG	CON	0	NZ IF CURRENT STATEMENT CHANGES A REGISTER	CDCM	1075	A
5	CDCM	PCSSTF	CON	0	NZ IF CURRENT STATEMENT IS A STORE	CDCM	1076	A
6	CDCM	PCSNVAL	EQU	INTLTH-1	NUMBER OF ADDRESSES TO ASSOCIATE WITH EACH	CDCM	1077	A
7	CDCM				REGISTER (COULD BE SET AS HIGH AS 5)	CDCM	1078	A
8	CDCM	PCSVALS	BSSZ	PCSNVAL	ADDRESSES FOR CURRENT RESULT REGISTER	CDCM	1079	A
9	CDCM	PCSZ	BSS	0	END OF *PCS* TEMPORARY AREA TO BE CLEARED	CDCM	1080	A
10	CDCM	PCS	SPACE	4,8		CDCM	1081	A
11	CDCM	**			INSTRUCTION TABLE.	CDCM	1082	A
12	CDCM	*				CDCM	1083	A
13	CDCM	*	VFD	60/0L_NAME		CDCM	1084	A
14	CDCM	*	VFD	1/A,1/B,1/C,1/D,39/0,18/ADR		CDCM	1085	A
15	CDCM	*				CDCM	1086	A
16	CDCM	*	WHERE	NAME = INSTRUCTION NAME		CDCM	1087	A
17	CDCM	*		A = 1 IF ANY CODE RESULTS (EXECUTABLE OR NON-EXEC)		CDCM	1088	A
18	CDCM	*		B = 1 IF OPCODE IS THAT OF AN EXECUTABLE INSTR		CDCM	1089	A
19	CDCM	*		C = 1 IF OPCODE HAS A RESULT REGISTER		CDCM	1090	A
20	CDCM	*		D = 1 IF OPCODE HAS A RESULT REGISTER, BUT DUE TO		CDCM	1091	A
21	CDCM	*		THE NATURE OF THE INSTRUCTION, ALL PREVIOUS		CDCM	1092	A
22	CDCM	*		ASSOCIATED VALUES SHOULD BE DISCARDED.		CDCM	1093	A
23	CDCM	*		ADR = NZ IF ADDRESS OF PROCESSOR		CDCM	1094	A
24	CDCM	*		0 FOR NO ASSOCIATED ROUTINE		CDCM	1095	A
25	CDCM					CDCM	1096	A
26	CDCM					CDCM	1097	A
27	CDCM	OPC	MACRO	NAME,A,B,C,D,ADR		CDCM	1098	A
28	CDCM		VFD	60/0L_NAME,1/A,1/B,1/C,1/D,38/0,18/ADR		CDCM	1099	A
29	CDCM	OPC	ENDM			CDCM	1100	A
30	CDCM					CDCM	1101	A
31	CDCM	PCSITAB	BSS	0	BEGINNING OF INSTRUCTION TABLE	CDCM	1102	A
32	CDCM					CDCM	1103	A
33	CDCM	*			STANDARD COMPASS OPCODES AND PSEUDO INSTRUCTIONS.	CDCM	1104	A
34	CDCM					CDCM	1105	A
35	CDCM		OPC	SA0,1,1,1		CDCM	1106	A
36	CDCM		OPC	SB0,1,1,1		CDCM	1107	A
37	CDCM		OPC	SX0,1,1,1		CDCM	1108	A
38	CDCM		OPC	BX0,1,1,1		CDCM	1109	A
39	CDCM		OPC	LX0,1,1,1		CDCM	1110	A
40	CDCM		OPC	AX0,1,1,1		CDCM	1111	A
41	CDCM		OPC	MX0,1,1,1,1		CDCM	1112	A
42	CDCM		OPC	EQ,1,1,0,0,PC.JUMP		CDCM	1113	A
43	CDCM		OPC	NE,1,1		CDCM	1114	A
44	CDCM		OPC	GE,1,1		CDCM	1115	A
45	CDCM		OPC	LE,1,1		CDCM	1116	A
46	CDCM		OPC	GT,1,1		CDCM	1117	A
47	CDCM		OPC	LT,1,1		CDCM	1118	A
48	CDCM		OPC	ZR,1,1,0,0,PC.JUMP		CDCM	1119	A
49	CDCM		OPC	NZ,1,1		CDCM	1120	A
50	CDCM		OPC	PL,1,1		CDCM	1121	A
51	CDCM		OPC	MI,1,1		CDCM	1122	A
52								
53		0	1	2	3	4	5	6
54		1234567890123456789012345678901234567890123456789012345678901234567890						
55								
56								
57								
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CDCM

1	CDCM	OPC	NG,1,1	CDCM	1123	A	1			
2	CDCM	OPC	RJ,1,1	CDCM	1124	A	2			
3	CDCM	OPC	JP,1,1,0,0,PC.JUMP	CDCM	1125	A	3			
4	CDCM	OPC	PS,1,1,0,0,UJUMP	CDCM	1126	A	4			
5	CDCM	OPC	IR,1,1	CDCM	1127	A	5			
6	CDCM	OPC	OR,1,1	CDCM	1128	A	6			
7	CDCM	OPC	DF,1,1	CDCM	1129	A	7			
8	CDCM	OPC	ID,1,1	CDCM	1130	A	8			
9	CDCM	OPC	NX0,1,1,1,1	CDCM	1131	A	9			
10	CDCM	OPC	ZX0,1,1,1,1	CDCM	1132	A	10			
11	CDCM	OPC	UX0,1,1,1	CDCM	1133	A	11			
12	CDCM	OPC	PX0,1,1,1	CDCM	1134	A	12			
13	CDCM	OPC	FX0,1,1,1,1	CDCM	1135	A	13			
14	CDCM	OPC	DX0,1,1,1,1	CDCM	1136	A	14			
15	CDCM	OPC	IX0,1,1,1	CDCM	1137	A	15			
16	CDCM	OPC	RX0,1,1,1,1	CDCM	1138	A	16			
17	CDCM	OPC	WX0,1,1	CDCM	1139	A	17			
18	CDCM	OPC	NO,1,1	CDCM	1140	A	18			
19	CDCM	OPC	CX0,1,1,1,1	CDCM	1141	A	19			
20	CDCM	OPC	R=,1,1,1	CDCM	1142	A	20			
21	CDCM	OPC	CR,1,1	CDCM	1143	A	21			
22	CDCM	OPC	CW,1,1	CDCM	1144	A	22			
23	CDCM	OPC	ES,1,1	CDCM	1145	A	23			
24	CDCM	OPC	RL,1,1	CDCM	1146	A	24			
25	CDCM	OPC	RE,1,1	CDCM	1147	A	25			
26	CDCM	OPC	WL,1,1	CDCM	1148	A	26			
27	CDCM	OPC	WE,1,1	CDCM	1149	A	27			
28	CDCM	OPC	MJ,1,1	CDCM	1150	A	28			
29	CDCM	OPC	XJ,1,1	CDCM	1151	A	29			
30	CDCM	OPC	RI,1,1	CDCM	1152	A	30			
31	CDCM	OPC	IB0,1,1,1,1	CDCM	1153	A	31			
32	CDCM	OPC	TB0,1,1,1,1	CDCM	1154	A	32			
33	CDCM	OPC	RO,1,1	CDCM	1155	A	33			
34	CDCM	OPC	OB0,1,1,1,1	CDCM	1156	A	34			
35	CDCM	OPC	BSS,1,0,0,0,PC.BSS	CDCM	1157	A	35			
36	CDCM	OPC	BSSZ,1,0,0,0,PC.BSS	CDCM	1158	A	36			
37	CDCM	OPC	COL	CDCM	1159	A	37			
38	CDCM	OPC	CON,1	CDCM	1160	A	38			
39	CDCM	OPC	DATA,1	CDCM	1161	A	39			
40	CDCM	OPC	END,0,0,0,0,PC.END	CDCM	1162	A	40			
41	CDCM	OPC	ENTRY,0,0,0,0,PC.ENT	CDCM	1163	A	41			
42	CDCM	OPC	ENTRYC,0,0,0,0,PC.ENT	CDCM	1164	A	42			
43	CDCM	OPC	EQU,0,0,0,0,PC.EQU	CDCM	1165	A	43			
44	CDCM	OPC	EXT,0,0,0,0,PC.EXT	CDCM	1166	A	44			
45	CDCM	OPC	IDENT	CDCM	1167	A	45			
46	CDCM	OPC	QUAL,0,0,0,0,PC.QUAL	CDCM	1168	A	46			
47	CDCM	PCSTA	OPC VFD,1	CDCM	1169	A	47			
48	CDCM	BSS	0 LWA+1 OF *COMPASS* INSTRUCTIONS AND PSEUDOS	CDCM	1170	A	48			
49	CDCM	*	SYSTEM MACROS OF INTEREST TO *CDCM*. THESE ARE RECOGNIZED	CDCM	1171	A	49			
50	CDCM	*	ONLY IF THE *SM* OPTION IS SELECTED (DEFAULT).	CDCM	1172	A	50			
51	CDCM			CDCM	1173	A	51			
52				CDCM	1174	A	52			
53	0	1	2	3	4	5	6	7	8	53
54	1234567890123456789012345678901234567890123456789012345678901234567890									54

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CDCM

CDCM	OPC	ABORT,1,1,0,0,UJUMP	CDCM	1175	A
CDCM	OPC	ENDRUN,1,1,0,0,UJUMP	CDCM	1176	A
CDCM	OPC	SUBR,1,1	CDCM	1177	A
CDCM	PCSTB	BSS 0 LWA+1 OF SYSTEM MACRO DEFINITIONS	CDCM	1178	A
CDCM			CDCM	1179	A
CDCM			CDCM	1180	A
CDCM	*	LOCAL MACROS OF INTEREST TO *CDCM*. THESE ARE RECOGNIZED	CDCM	1181	A
CDCM	*	ONLY IF THE *LM* OPTION IS SELECTED (DEFAULT=OFF).	CDCM	1182	A
CDCM			CDCM	1183	A
CDCM	OPC	RTRN,1,1,0,0,UJUMP	CDCM	1184	A
CDCM	OPC	SUBRTN,1,1	CDCM	1185	A
CDCM	OPC	TABLE,1	CDCM	1186	A
CDCM	PCSTC	CON 0 LWA+1 OF LOCAL MACRO DEFINITIONS	CDCM	1187	A
CDCM			CDCM	1188	A
CDCM	PCSTT	CON 0 LOCATION TO STORE TARGET DURING SEARCH	CDCM	1189	A
CDCM	PC.BSS	TITLE PC.BSS - PROCESS *BSS* AND *BSSZ* STATEMENTS.	CDCM	1190	A
CDCM	**	PC.BSS - PROCESS *BSS* AND *BSSZ* STATEMENTS.	CDCM	1191	A
CDCM	*		CDCM	1192	A
CDCM	*	*BSS* AND *BSSZ* STATEMENTS ARE COUNTED AS GENERATING	CDCM	1193	A
CDCM	*	(NON-EXECUTABLE) CODE, UNLESS THE ADDRESS FIELD CONTAINS ZERO.	CDCM	1194	A
CDCM			CDCM	1195	A
CDCM			CDCM	1196	A
CDCM	PC.BSS	BSS 0	CDCM	1197	A
CDCM		QUAL PC.BSS	CDCM	1198	A
CDCM		SA5 COMCOL	CDCM	1199	A
CDCM	RJ	FBF FIND BEGINNING OF ADDRESS FIELD	CDCM	1200	A
CDCM	IX5	X6-X5	CDCM	1201	A
CDCM	PL	X5,BSS2 IF NO ADDRESS FIELD (SAME AS BSS 0)	CDCM	1202	A
CDCM	RJ	GSE GET STATEMENT ELEMENT	CDCM	1203	A
CDCM	SX1	X1-1R0	CDCM	1204	A
CDCM	NZ	X1,BSS1 IF ADDRESS FIELD .NE. 0	CDCM	1205	A
CDCM	SX2	X2-1R	CDCM	1206	A
CDCM	ZR	X2,BSS2 IF ADDRESS FIELD .EQ. 0	CDCM	1207	A
CDCM	BSS1	SA3 PCSCLC SET PREVIOUS EXEC CODE FLAG = CURRENT / 2	CDCM	1208	A
CDCM		AX6 X3,B1 (= 0 IF LAST INST. WAS UNCONDITIONAL JUMP)	CDCM	1209	A
CDCM		MX7 0 CURRENT EXEC CODE FLAG = 0	CDCM	1210	A
CDCM		SA6 PCSPLC	CDCM	1211	A
CDCM		SA7 A3	CDCM	1212	A
CDCM	EQ	PCSPROC GO COMPLETE STATEMENT PROCESSING	CDCM	1213	A
CDCM			CDCM	1214	A
CDCM	BSS2	SA1 PCSLOC SAVE CURRENT LOCATION SYMBOL AS A PREVIOUS	CDCM	1215	A
CDCM		BX6 X1 SYMBOL FROM BSS 0	CDCM	1216	A
CDCM		SA6 PCSPVL	CDCM	1217	A
CDCM		EQ PCSEXIT EXIT FROM *PCS*	CDCM	1218	A
CDCM			CDCM	1219	A
CDCM		QUAL *	CDCM	1220	A
CDCM	PC.END	TITLE PC.END - PROCESS *END* STATEMENT.	CDCM	1221	A
CDCM	**	PC.END - PROCESS *END* STATEMENT.	CDCM	1222	A
CDCM	*		CDCM	1223	A
CDCM	*	WHEN AN *END* STATEMENT IS ENCOUNTERED, THE FOLLOWING	CDCM	1224	A
CDCM	*	PROCESSING TAKES PLACE:	CDCM	1225	A
CDCM	*		CDCM	1226	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CDCM

	CDCM		SB7	A5	(B7) = LWA+1 *O.ENT*	CDCM	1279	A
1	CDCM	END1	SA1	B2	NEXT *O.LOC* ENTRY	CDCM	1280	A
2	CDCM		MI	X1,END3	IF ALREADY SET AS AN ENTRY POINT	CDCM	1281	A
3	CDCM		BX6	-X0*X1		CDCM	1282	A
4	CDCM		LX6	12		CDCM	1283	A
5	CDCM		SA6	A5	STORE TARGET VALUE AT (LWA+1 OF *O.ENT*)	CDCM	1284	A
6	CDCM		SA3	B5-1	FIRST-1 ENTRY	CDCM	1285	A
7	CDCM	END2	SA3	A3+B1	SEARCH LOOP	CDCM	1286	A
8	CDCM		BX3	X3-X6		CDCM	1287	A
9	CDCM		NZ	X3,END2	LOOP UNTIL HIT	CDCM	1288	A
10	CDCM		SB6	A3		CDCM	1289	A
11	CDCM		EQ	B6,B7,END3	IF NAME NOT IN *O.ENT*	CDCM	1290	A
12	CDCM		MX7	1		CDCM	1291	A
13	CDCM		BX1	-X0*X1		CDCM	1292	A
14	CDCM		BX6	X1+X7	ADD ENTRY POINT BIT	CDCM	1293	A
15	CDCM		SA6	A1		CDCM	1294	A
16	CDCM	END3	SB2	B2+B1	ADVANCE *O.LOC* FETCH POINTER	CDCM	1295	A
17	CDCM		LT	B2,B3,END1	LOOP FOR *O.LOC* ENTRIES	CDCM	1296	A
18	CDCM		BX7	X5	RESTORE (LWA+1 OF *O.ENT*)	CDCM	1297	A
19	CDCM		SA7	A5		CDCM	1298	A
20	CDCM					CDCM	1299	A
21	CDCM	*			PROCESS INTERMEDIATE FILE.	CDCM	1300	A
22	CDCM					CDCM	1301	A
23	CDCM	END10	SA2	SP+1		CDCM	1302	A
24	CDCM		ZR	X2,END11	IF INTERMEDIATE FILE IN CM OR LCM	CDCM	1303	A
25	CDCM		WRITER	X2,RCL	ISSUE EOR WRITE ON INTERMEDIATE FILE	CDCM	1304	A
26	CDCM	END11	RJ	RWF	REWIND INTERMEDIATE FILE	CDCM	1305	A
27	CDCM					CDCM	1306	A
28	CDCM	*			READ NEXT INTERMEDIATE ENTRY.	CDCM	1307	A
29	CDCM					CDCM	1308	A
30	CDCM	END12	RJ	RIF	READ INTERMEDIATE FILE	CDCM	1309	A
31	CDCM		NZ	X1,END50	IF FINISHED READING INTERMEDIATE FILE	CDCM	1310	A
32	CDCM		SA3	INTENT	1ST WORD OF ENTRY	CDCM	1311	A
33	CDCM		MI	X3,END24	IF THIS ENTRY ALREADY FLAGGED	CDCM	1312	A
34	CDCM		SB6	B1	INDEX FOR WORD WITHIN ENTRY	CDCM	1313	A
35	CDCM		SB7	INTLTH	MAXIMUM INDEX + 1	CDCM	1314	A
36	CDCM		MX0	0	(X0) = KEEP / DO NOT KEEP FLAG	CDCM	1315	A
37	CDCM	END13	SA2	B6+INTENT	NEXT SYMBOL (IF ANY)	CDCM	1316	A
38	CDCM		ZR	X2,END15	IF NO SYMBOL	CDCM	1317	A
39	CDCM		PL	X2,END16	IF NOT AN EXTERNAL	CDCM	1318	A
40	CDCM	END14	SX0	B1	FLAG AS TO KEEP	CDCM	1319	A
41	CDCM	END15	SB6	B6+B1	ADVANCE INDEX	CDCM	1320	A
42	CDCM		LT	B6,B7,END13	LOOP FOR NUMBER OF SYMBOLS POSSIBLE (2)	CDCM	1321	A
43	CDCM		ZR	X0,END12	IF NOT TO KEEP THIS ENTRY	CDCM	1322	A
44	CDCM		EQ	END24	GO KEEP THIS ENTRY	CDCM	1323	A
45	CDCM					CDCM	1324	A
46	CDCM	*			IF SYMBOL NAME APPEARS IN EITHER *O.EXT* OR *O.ENT*, THEN SET	CDCM	1325	A
47	CDCM	*			THE ENTRY POINT FLAG AND CLEAR THE QUAL-INDEX FIELD FOR	CDCM	1326	A
48	CDCM	*			THIS ENTRY.	CDCM	1327	A
49	CDCM					CDCM	1328	A
50	CDCM	END16	SA1	O.EXT	(B2) = FWA OF *O.EXT*	CDCM	1329	A
51	CDCM		SB3	B0	INDICATE SEARCHING *O.EXT*	CDCM	1330	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CDCM

	CDCM	END17	SA3	A1+B1		CDCM	1331	A
1	CDCM		SB2	X1		CDCM	1332	A
2	CDCM		ZR	X3,END19	IF TABLE EMPTY	CDCM	1333	A
3	CDCM		SB5	B2+X3	(B5) = LWA+1 TABLE	CDCM	1334	A
4	CDCM		SA5	B5	SAVE (LWA+1)	CDCM	1335	A
5	CDCM		MX7	12	LEFT JUSTIFY SYMBOL NAME FOR SEARCH	CDCM	1336	A
6	CDCM		BX6	X5		CDCM	1337	A
7	CDCM		BX7	-X7*X2		CDCM	1338	A
8	CDCM		LX7	12		CDCM	1339	A
9	CDCM		SA7	B5	STORE TARGET AT (LWA+1)	CDCM	1340	A
10	CDCM		SA4	B2-B1	FIRST-1 ENTRY	CDCM	1341	A
11	CDCM	END18	SA4	A4+B1	NEXT ENTRY	CDCM	1342	A
12	CDCM		BX4	X4-X7		CDCM	1343	A
13	CDCM		NZ	X4,END18	LOOP UNTIL HIT	CDCM	1344	A
14	CDCM		SB4	A4		CDCM	1345	A
15	CDCM		SA6	B5	RESTORE (LWA+1)	CDCM	1346	A
16	CDCM		EQ	B4,B5,END19	IF NAME NOT IN TABLE	CDCM	1347	A
17	CDCM		LX7	-12		CDCM	1348	A
18	CDCM		MX3	1	SET ENTRY POINT BIT IN INTERMEDIATE FILE	CDCM	1349	A
19	CDCM		BX7	X7+X3	ENTRY	CDCM	1350	A
20	CDCM		SA7	A2		CDCM	1351	A
21	CDCM		EQ	END14	GO FLAG TO KEEP	CDCM	1352	A
22	CDCM					CDCM	1353	A
23	CDCM	END19	NZ	B3,END20	IF BOTH *0.EXT* AND *0.ENT* SEARCHED	CDCM	1354	A
24	CDCM		SB3	B1		CDCM	1355	A
25	CDCM		SA1	0.ENT	NOW SEARCH *0.ENT*	CDCM	1356	A
26	CDCM		EQ	END17		CDCM	1357	A
27	CDCM					CDCM	1358	A
28	CDCM	*			SEARCH *0.LOC* FOR CURRENT SYMBOL NAME. QUALIFIERS ARE	CDCM	1359	A
29	CDCM	*			HANDLED AS FOLLOWS:	CDCM	1360	A
30	CDCM	*				CDCM	1361	A
31	CDCM	*			- IF THE REFERENCE (SYMBOL ENTRY IN THE INTERMEDIATE) IS	CDCM	1362	A
32	CDCM	*			EXPLICITLY QUALIFIED (G=1), OR IF THE REFERENCE IS IN THE	CDCM	1363	A
33	CDCM	*			GLOBAL QUAL BLOCK, THEN THE NAME IN *0.LOC* MUST MATCH THE	CDCM	1364	A
34	CDCM	*			QUALIFIER INDEX (THIS INCLUDES A QUALIFIER INDEX OF ZERO	CDCM	1365	A
35	CDCM	*			FOR THE CASE OF AN EXPLICIT GLOBAL QUALIFICATION).	CDCM	1366	A
36	CDCM	*				CDCM	1367	A
37	CDCM	*			- IF THE REFERENCE IS NOT EXPLICITLY QUALIFIED, AND IF	CDCM	1368	A
38	CDCM	*			THE STORE INSTRUCTION IS NOT IN THE GLOBAL BLOCK, THEN UP TO	CDCM	1369	A
39	CDCM	*			TWO (2) SEARCHES OF *0.LOC* WILL BE MADE. THE FIRST WILL	CDCM	1370	A
40	CDCM	*			BE FOR A NAME HAVING THE SAME QUALIFIER INDEX AS THE ONE IN	CDCM	1371	A
41	CDCM	*			WHICH THE INSTRUCTION RESIDES, AND, IF NOT FOUND, THE SECOND	CDCM	1372	A
42	CDCM	*			WILL BE FOR A NAME WITH A QUALIFIER INDEX OF ZERO.	CDCM	1373	A
43	CDCM					CDCM	1374	A
44	CDCM	END20	MX7	-9	(X1) = QUAL-INDEX OF THIS INSTRUCTION	CDCM	1375	A
45	CDCM		SA1	INTENT		CDCM	1376	A
46	CDCM		BX1	-X7*X1		CDCM	1377	A
47	CDCM		SB2	B1	FLAG ONLY ONE SEARCH	CDCM	1378	A
48	CDCM		BX3	X2	(X4) = QUAL-INDEX OF REFERENCE	CDCM	1379	A
49	CDCM		LX3	12	= QUAL-INDEX TO USE IN SEARCH	CDCM	1380	A
50	CDCM		BX4	-X7*X3		CDCM	1381	A
51	CDCM		MX7	48		CDCM	1382	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CDCM

	CDCM	ZR	X1,END21	IF INSTRUCTION IN GLOBAL QUAL BLOCK	CDCM	1383	A
1	CDCM	LX3	-12+59-57	CHECK G FLAG	CDCM	1384	A
2	CDCM	MI	X3,END21	IF EXPLICITLY QUALIFIED	CDCM	1385	A
3	CDCM	SB2	B0	FLAG TWO SEARCHES, IF NECESSARY	CDCM	1386	A
4	CDCM	BX4	X1	SET TO USE QUAL-INDEX OF INSTRUCTION	CDCM	1387	A
5	CDCM	END21	BX3	X2	CDCM	1388	A
6	CDCM	SA1	O.LOC	FWA OF *O.LOC*	CDCM	1389	A
7	CDCM	LX3	12	PUT IN QUAL-INDEX FOR SEARCH	CDCM	1390	A
8	CDCM	BX3	X7*X3		CDCM	1391	A
9	CDCM	BX6	X3+X4		CDCM	1392	A
10	CDCM	LX6	-12		CDCM	1393	A
11	CDCM	SA3	A1+B1	LENGTH OF *O.LOC*	CDCM	1394	A
12	CDCM	IX4	X1+X3	(B5) = LWA+1 *O.LOC*	CDCM	1395	A
13	CDCM	ZR	X3,END15	IF *O.LOC* EMPTY	CDCM	1396	A
14	CDCM	SB5	X4		CDCM	1397	A
15	CDCM	SA5	B5	SAVE (LWA+1)	CDCM	1398	A
16	CDCM	SA6	A5	STORE TARGET AT (LWA+1)	CDCM	1399	A
17	CDCM	SA4	X1-1	FIRST - 1 ENTRY	CDCM	1400	A
18	CDCM	END22	SA4	A4+B1	CDCM	1401	A
19	CDCM	BX3	X4-X6		CDCM	1402	A
20	CDCM	NZ	X3,END22	LOOP UNTIL MATCH	CDCM	1403	A
21	CDCM	BX6	X5	RESTORE (LWA+1)	CDCM	1404	A
22	CDCM	SB4	A4		CDCM	1405	A
23	CDCM	MX7	48		CDCM	1406	A
24	CDCM	SA6	B5		CDCM	1407	A
25	CDCM	NE	B4,B5,END23	IF SYMBOL FOUND	CDCM	1408	A
26	CDCM	NZ	B2,END15	IF NOT TO SEARCH USING GLOBAL QUALIFIER	CDCM	1409	A
27	CDCM	MX4	0	SET TO SEARCH FOR UNQUALIFIED SYMBOL	CDCM	1410	A
28	CDCM	SB2	B1	SET TO INDICATE 2ND SEARCH	CDCM	1411	A
29	CDCM	EQ	END21	REPEAT SEARCH	CDCM	1412	A
30	CDCM				CDCM	1413	A
31	CDCM	*		SYMBOL MATCHES WITH AN *O.LOC* ENTRY. FLAG THIS INTERMEDIATE	CDCM	1414	A
32	CDCM	*		ENTRY TO BE LISTED.	CDCM	1415	A
33	CDCM				CDCM	1416	A
34	CDCM	END23	SA1	INTENT SET *TO BE LISTED* BIT IN WD 0 OF ENTRY	CDCM	1417	A
35	CDCM	MX7	1		CDCM	1418	A
36	CDCM	BX7	X1+X7		CDCM	1419	A
37	CDCM	SA7	A1		CDCM	1420	A
38	CDCM				CDCM	1421	A
39	CDCM	*		KEEP CURRENT INTERMEDIATE ENTRY.	CDCM	1422	A
40	CDCM				CDCM	1423	A
41	CDCM	END24	SB2	INTENT	CDCM	1424	A
42	CDCM	SB3	INTLTH+LINELTH		CDCM	1425	A
43	CDCM	RJ	SIF	STORE INTERMEDIATE FILE	CDCM	1426	A
44	CDCM	EQ	END12	LOOP FOR NEXT INTERMEDIATE ENTRY	CDCM	1427	A
45	CDCM				CDCM	1428	A
46	CDCM	*		FINISHED PROCESSING INTERMEDIATE FILE. RESET VARIOUS	CDCM	1429	A
47	CDCM	*		INFORMATION FOR NEXT *IDENT*.	CDCM	1430	A
48	CDCM				CDCM	1431	A
49	CDCM	END50	SX7	B1	CDCM	1432	A
50	CDCM	SA7	PCSID	SET *SKIPPING TO IDENT* FLAG	CDCM	1433	A
51	CDCM	MX6	0		CDCM	1434	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CDCM

	CDCM	SA6	PCSCLC	RESET CURRENT EXECUTABLE CODE FLAG	CDCM	1435	A
1	CDCM	SA6	0.ENT+1	RESET ENTRY POINT NAME TABLE	CDCM	1436	A
2	CDCM	SA6	0.EXT+1	RESET EXTERNAL NAME TABLE	CDCM	1437	A
3	CDCM	SA6	0.QUL+1	RESET QUALIFIER NAME TABLE	CDCM	1438	A
4	CDCM	SA6	0.QUS+1	RESET QUALIFIER STACK TABLE	CDCM	1439	A
5	CDCM	SA6	PCSQI	RESET CURRENT QUALIFIER INDEX	CDCM	1440	A
6	CDCM	RJ	CRT	CLEAR REGISTER TABLE	CDCM	1441	A
7	CDCM	SA1	0.LOC	SHRINK *0.LOC* TO ONLY LEAVE THOSE LOCATION	CDCM	1442	A
8	CDCM	SA2	A1+B1	SYMBOLS WHICH ARE ENTRY POINTS	CDCM	1443	A
9	CDCM	BX6	X2	(X6) = NEW LENGTH	CDCM	1444	A
10	CDCM	SB5	B0	(B5) = FETCH POINTER	CDCM	1445	A
11	CDCM	SB6	B0	(B6) = STORE POINTER	CDCM	1446	A
12	CDCM	SB7	X2		CDCM	1447	A
13	CDCM	END51	ZR	B7,END53 IF NO MORE	CDCM	1448	A
14	CDCM	SA3	X1+B5	NEXT ENTRY	CDCM	1449	A
15	CDCM	SB7	B7-B1		CDCM	1450	A
16	CDCM	SB5	B5+B1	ADVANCE FETCH POINTER	CDCM	1451	A
17	CDCM	PL	X3,END52	IF NOT AN ENTRY POINT	CDCM	1452	A
18	CDCM	BX7	X3	STORE ENTRY	CDCM	1453	A
19	CDCM	SA7	X1+B6		CDCM	1454	A
20	CDCM	SB6	B6+B1	ADVANCE STORE POINTER	CDCM	1455	A
21	CDCM	EQ	END51	LOOP	CDCM	1456	A
22	CDCM				CDCM	1457	A
23	CDCM	END52	SX6	X6-1 DECREMENT NEW LENGTH	CDCM	1458	A
24	CDCM	EQ	END51	LOOP	CDCM	1459	A
25	CDCM				CDCM	1460	A
26	CDCM	END53	SA6	A2 STORE UPDATED LENGTH	CDCM	1461	A
27	CDCM	EQ	PCSEXIT	EXIT FROM *PCS*	CDCM	1462	A
28	CDCM				CDCM	1463	A
29	CDCM	QUAL	*		CDCM	1464	A
30	CDCM	PC.ENT	TITLE	PC.ENT - PROCESS *ENTRY* AND *ENTRYC* STATEMENTS.	CDCM	1465	A
31	CDCM	**	PC.ENT	PC.ENT - PROCESS *ENTRY* AND *ENTRYC* STATEMENTS.	CDCM	1466	A
32	CDCM	*			CDCM	1467	A
33	CDCM	*		WHEN *ENTRY* OR *ENTRYC* IS ENCOUNTERED, THE SYMBOLS IN THE	CDCM	1468	A
34	CDCM	*		ADDRESS FIELD ARE ADDED TO THE TABLE *0.ENT* IF NOT ALREADY	CDCM	1469	A
35	CDCM	*		PRESENT. AT *END* PROCESSING (IN *PC.END*), ALL NEW *0.LOC*	CDCM	1470	A
36	CDCM	*		ENTRIES FOR THE CURRENT PROGRAM UNIT ARE CHECKED FOR A	CDCM	1471	A
37	CDCM	*		MATCHING NAME IN *0.ENT*.	CDCM	1472	A
38	CDCM				CDCM	1473	A
39	CDCM				CDCM	1474	A
40	CDCM	PC.ENT	BSS	0 ENTRY FROM *PCS*	CDCM	1475	A
41	CDCM	QUAL	PC.ENT		CDCM	1476	A
42	CDCM	SA5	COMCOL	BEGINNING DEFAULT COMMENT COLUMN	CDCM	1477	A
43	CDCM	RJ	FBF	FIND BEGINNING OF FIELD	CDCM	1478	A
44	CDCM	IX5	X6-X5		CDCM	1479	A
45	CDCM	PL	X5,PCSEXIT	IF NO ADDRESS FIELD, EXIT	CDCM	1480	A
46	CDCM	ENT1	RJ	GSE GET STATEMENT ELEMENT	CDCM	1481	A
47	CDCM	NE	B2,B1,PCSEXIT	IF NOT SYMBOL, ERROR	CDCM	1482	A
48	CDCM	SX5	X2-1R,	(X5) = 0 IF NOT END OF ADDRESS FIELD	CDCM	1483	A
49	CDCM	SA2	0.ENT		CDCM	1484	A
50	CDCM	RJ	ANT	ADD NAME TO TABLE	CDCM	1485	A
51	CDCM	ZR	X5,ENT1	LOOP IF MORE SYMBOLS	CDCM	1486	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CDCM

	CDCM		EQ	PCSEXIT	EXIT FROM *PCS*	CDCM	1487	A
1	CDCM		QUAL	*		CDCM	1488	A
2	CDCM	PC.EQU	TITLE	PC.EQU - PROCESS *EQU* STATEMENT.		CDCM	1489	A
3	CDCM	**	PC.EQU	- PROCESS *EQU* STATEMENT.		CDCM	1490	A
4	CDCM	*				CDCM	1491	A
5	CDCM	*	AN *EQU* STATEMENT CAUSES AN ENTRY TO BE ADDED TO TABLE			CDCM	1492	A
6	CDCM	*	*0.LOC* IF THE ADDRESS FIELD VALUE IS CURRENTLY IN *0.LOC*.			CDCM	1493	A
7	CDCM	*	IF NOT FOUND, THE *EQU* STATEMENT IS IGNORED, BECAUSE			CDCM	1494	A
8	CDCM	*	*COMPASS* WOULD NOT HAVE DEFINED THE SYMBOL, AND ANY SUB-			CDCM	1495	A
9	CDCM	*	SEQUENT REFERENCES TO IT WOULD CAUSE AN ASSEMBLY ERROR.			CDCM	1496	A
10	CDCM					CDCM	1497	A
11	CDCM					CDCM	1498	A
12	CDCM	PC.EQU	BSS	0	ENTRY FROM *PCS*	CDCM	1499	A
13	CDCM		QUAL	PC.EQU		CDCM	1500	A
14	CDCM		RJ	FBF	FIND BEGINNING OF FIELD	CDCM	1501	A
15	CDCM		SA2	COMCOL		CDCM	1502	A
16	CDCM		MX0	1	SET TO TRY CURRENT QUAL-IND, THEN GLOBAL	CDCM	1503	A
17	CDCM				IF NECESSARY	CDCM	1504	A
18	CDCM		IX2	X6-X2		CDCM	1505	A
19	CDCM		PL	X2,PCSEXIT	IF NO ADDRESS FIELD, EXIT FROM *PCS*	CDCM	1506	A
20	CDCM		RJ	GSE	GET STATEMENT ELEMENT	CDCM	1507	A
21	CDCM		EQ	B2,B1,EQU5	IF SYMBOL	CDCM	1508	A
22	CDCM					CDCM	1509	A
23	CDCM	*	CHECK FOR QUALIFIER.			CDCM	1510	A
24	CDCM					CDCM	1511	A
25	CDCM		SB3	B2-2		CDCM	1512	A
26	CDCM		NZ	B3,EQU2	IF NOT A QUALIFIED SYMBOL	CDCM	1513	A
27	CDCM		SX2	X2-1R/		CDCM	1514	A
28	CDCM		NZ	X2,PCSEXIT	IF NAME NOT FOLLOWED BY /	CDCM	1515	A
29	CDCM		SA2	0.QUL		CDCM	1516	A
30	CDCM		SA3	A2+B1	*0.QUL* LENGTH	CDCM	1517	A
31	CDCM		ZR	X3,PCSEXIT	IF NO QUALIFIERS DEFINED, MUST BE ERROR	CDCM	1518	A
32	CDCM		SB2	X2	(B2) = FWA *0.QUL*	CDCM	1519	A
33	CDCM		SA5	B2+X3	SAVE (LWA+1)	CDCM	1520	A
34	CDCM		BX7	X5		CDCM	1521	A
35	CDCM		SB7	A5	(B7) = LWA+1	CDCM	1522	A
36	CDCM		BX6	X1		CDCM	1523	A
37	CDCM		SA6	A5	SET TARGET VALUE AT LWA+1	CDCM	1524	A
38	CDCM		SA4	B2-B1	FIRST-1 ENTRY	CDCM	1525	A
39	CDCM	EQU1	SA4	A4+B1	SEARCH LOOP	CDCM	1526	A
40	CDCM		BX4	X6-X4		CDCM	1527	A
41	CDCM		NZ	X4,EQU1	LOOP UNTIL HIT	CDCM	1528	A
42	CDCM		SB6	A4		CDCM	1529	A
43	CDCM		SA7	A5	RESTORE (LWA+1)	CDCM	1530	A
44	CDCM		EQ	B6,B7,PCSEXIT	IF QUALIFIER NAME NOT IN TABLE, ERROR	CDCM	1531	A
45	CDCM		SX0	B6-B2	(X0) = INDEX OF QUALFIER NAME	CDCM	1532	A
46	CDCM		SX0	X0+B1		CDCM	1533	A
47	CDCM		EQ	EQU4	GO GET SYMBOL	CDCM	1534	A
48	CDCM					CDCM	1535	A
49	CDCM	EQU2	SB3	B2-4		CDCM	1536	A
50	CDCM		NZ	B3,PCSEXIT	IF CANNOT BE //	CDCM	1537	A
51	CDCM		SX3	X1-1R/		CDCM	1538	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CDCM

CDCM		SX4	X2-1R/		CDCM	1539	A
CDCM		ZR	X3,EQU3	IF 1ST CHAR IS /	CDCM	1540	A
CDCM		SX3	X1-1R*	CHECK FOR EQU *	CDCM	1541	A
CDCM		NZ	X3,PCSEXIT	IF 1ST CHAR NOT *	CDCM	1542	A
CDCM		SX4	X2-1R		CDCM	1543	A
CDCM		NZ	X4,PCSEXIT	IF 2ND CHAR NOT BLANK	CDCM	1544	A
CDCM		EQ	/PC.BSS/BSS2	GO PROCESS LOCATION SYMBOL SAME AS BSS 0	CDCM	1545	A
CDCM					CDCM	1546	A
CDCM	EQU3	NZ	X4,PCSEXIT	IF 2ND CHAR NOT /	CDCM	1547	A
CDCM		MX0	0	SET TO USE GLOBAL QUALIFIER	CDCM	1548	A
CDCM	EQU4	RJ	GSE	GET STATEMENT ELEMENT	CDCM	1549	A
CDCM		NE	B2,B1,PCSEXIT	IF NOT SYMBOL, ERROR	CDCM	1550	A
CDCM					CDCM	1551	A
CDCM	*		SYMBOL FOUND.	DETERMINE IF IN TABLE *0.LOC*.	CDCM	1552	A
CDCM					CDCM	1553	A
CDCM	EQU5	PL	X0,EQU7	IF A QUALIFIER WAS SPECIFIED	CDCM	1554	A
CDCM		SA5	PCSQI	IF QUALIFIER IN EFFECT, SEARCH *0.LOC*	CDCM	1555	A
CDCM		NZ	X5,EQU6	WITH CURRENT QUAL-INDEX	CDCM	1556	A
CDCM		MX0	0	NO QUALIFIER IN EFFECT SO ONLY SEARCH ONCE	CDCM	1557	A
CDCM		EQ	EQU8	USING GLOBAL QUAL-INDEX = 0	CDCM	1558	A
CDCM					CDCM	1559	A
CDCM	EQU6	LX5	48	INDEX OF CURRENT QUALIFIER	CDCM	1560	A
CDCM		EQ	EQU8		CDCM	1561	A
CDCM					CDCM	1562	A
CDCM	EQU7	BX5	X0	SET QUALIFIER INDEX	CDCM	1563	A
CDCM		LX5	48		CDCM	1564	A
CDCM	EQU8	BX6	X1		CDCM	1565	A
CDCM		LX6	-12		CDCM	1566	A
CDCM		SA2	0.LOC		CDCM	1567	A
CDCM		BX6	X5+X6	(X6) = VFD 3/0,9/(QUAL-IND),48/NAME	CDCM	1568	A
CDCM		SA3	A2+B1	*0.LOC* LENGTH	CDCM	1569	A
CDCM		SB2	X2	(B2) = FWA *0.LOC*	CDCM	1570	A
CDCM		ZR	X3,PCSEXIT	IF *0.LOC* EMPTY, ADDRESS UNDEFINED	CDCM	1571	A
CDCM		SA5	B2+X3	SAVE (LWA+1)	CDCM	1572	A
CDCM		BX7	X5		CDCM	1573	A
CDCM		SB7	A5	(B7) = LWA+1	CDCM	1574	A
CDCM		SA6	A5	SET TARGET VALUE AT LWA+1	CDCM	1575	A
CDCM		SA4	B2-B1	FIRST-1 ENTRY	CDCM	1576	A
CDCM	EQU9	SA4	A4+B1	SEARCH LOOP	CDCM	1577	A
CDCM		BX4	X6-X4		CDCM	1578	A
CDCM		NZ	X4,EQU9	LOOP UNTIL HIT	CDCM	1579	A
CDCM		SB6	A4		CDCM	1580	A
CDCM		SA7	A5	RESTORE (LWA+1)	CDCM	1581	A
CDCM		NE	B6,B7,EQU10	IF LOCATION SYMBOL FOUND	CDCM	1582	A
CDCM		PL	X0,PCSEXIT	IF LAST SEARCH WAS WAS GLOBAL	CDCM	1583	A
CDCM		MX0	0	NOW SEARCH WITH GLOBAL QUALIFICATION	CDCM	1584	A
CDCM		SX5	B0		CDCM	1585	A
CDCM		EQ	EQU7		CDCM	1586	A
CDCM					CDCM	1587	A
CDCM	EQU10	SA4	PCSLOC	CURRENT LOCATION SYMBOL	CDCM	1588	A
CDCM		SA1	PCSQI	CURRENT QUALIFIER INDEX	CDCM	1589	A
CDCM		ZR	X4,PCSEXIT	IF THERE WAS NO LOCATION SYMBOL	CDCM	1590	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CDCM

	CDCM		BX1	X4+X1		CDCM	1591	A
1	CDCM		LX1	48	3/0,9/(QUAL-IND),48/0	CDCM	1592	A
2	CDCM		SA2	0.LOC		CDCM	1593	A
3	CDCM		RJ	ADW	ADD NEW ENTRY TO *0.LOC*	CDCM	1594	A
4	CDCM		EQ	PCSEXIT	EXIT FROM *PCS*	CDCM	1595	A
5	CDCM					CDCM	1596	A
6	CDCM		QUAL	*		CDCM	1597	A
7	CDCM	PC.EXT	TITLE	PC.EXT	- PROCESS *EXT* STATEMENT.	CDCM	1598	A
8	CDCM	**	PC.EXT	-	PROCESS *EXT* STATEMENT.	CDCM	1599	A
9	CDCM	*				CDCM	1600	A
10	CDCM	*			WHEN AN *EXT* STATEMENT IS ENCOUNTERED, THE SYMBOLS IN THE	CDCM	1601	A
11	CDCM	*			ADDRESS FIELD ARE ADDED TO THE TABLE *0.EXT* IF NOT ALREADY	CDCM	1602	A
12	CDCM	*			PRESENT. AT *END* PROCESSING IN *PC.END*, DURING THE	CDCM	1603	A
13	CDCM	*			PROCESSING OF ADDRESS FIELD SYMBOLS, ANY SYMBOL WHICH HAS A	CDCM	1604	A
14	CDCM	*			MATCHING ENTRY IN TABLE *0.EXT* WILL CAUSE THE EP BIT TO BE	CDCM	1605	A
15	CDCM	*			SET IN THE RESULTING INTERMEDIATE FILE ENTRY.	CDCM	1606	A
16	CDCM					CDCM	1607	A
17	CDCM					CDCM	1608	A
18	CDCM	PC.EXT	BSS	0	ENTRY FROM *PCS*	CDCM	1609	A
19	CDCM		QUAL	PC.EXT		CDCM	1610	A
20	CDCM		SA5	COMCOL	BEGINNING DEFAULT COMMENT COLUMN	CDCM	1611	A
21	CDCM		RJ	FBF	FIND BEGINNING OF FIELD	CDCM	1612	A
22	CDCM		IX5	X6-X5		CDCM	1613	A
23	CDCM		PL	X5,PCSEXIT	IF NO ADDRESS FIELD, EXIT	CDCM	1614	A
24	CDCM	EXT1	RJ	GSE	GET STATEMENT ELEMENT	CDCM	1615	A
25	CDCM		NE	B2,B1,PCSEXIT	IF NOT SYMBOL, ERROR	CDCM	1616	A
26	CDCM		SX5	X2-1R,	(X5) = 0 IF NOT END OF ADDRESS FIELD	CDCM	1617	A
27	CDCM		SA2	0.EXT		CDCM	1618	A
28	CDCM		RJ	ANT	ADD NAME TO TABLE	CDCM	1619	A
29	CDCM		ZR	X5,EXT1	LOOP IF MORE SYMBOLS	CDCM	1620	A
30	CDCM		EQ	PCSEXIT	EXIT FROM *PCS*	CDCM	1621	A
31	CDCM		QUAL	*		CDCM	1622	A
32	CDCM	PC.JUMP	TITLE	PC.JUMP	- PROCESS JUMP INSTRUCTIONS.	CDCM	1623	A
33	CDCM	**	PC.JUMP	-	PROCESS JUMP INSTRUCTIONS.	CDCM	1624	A
34	CDCM	*				CDCM	1625	A
35	CDCM	*			THIS ROUTINE IS USED FOR AN INSTRUCTION WHICH CAN BE AN	CDCM	1626	A
36	CDCM	*			UNCONDITIONAL JUMP, DEPENDING ON THE CONTENTS OF THE ADDRESS	CDCM	1627	A
37	CDCM	*			FIELD. FOR THE PURPOSES OF CDCM OUTPUT, UNCONDITIONAL	CDCM	1628	A
38	CDCM	*			ACTUALLY MEANS NOT ONLY UNCONDITIONAL, BUT ALSO NOT LIKELY	CDCM	1629	A
39	CDCM	*			TO JUMP INTO MODIFIED CODE. THIS CONDITION IS CONSIDERED TO	CDCM	1630	A
40	CDCM	*			BE MET IF ONLY IF ALL OF THE FOLLOWING CONDITIONS ARE MET:	CDCM	1631	A
41	CDCM	*				CDCM	1632	A
42	CDCM	*			A) THERE ARE NO REGISTERS IN THE ADDRESS FIELD.	CDCM	1633	A
43	CDCM	*			B) THERE ARE NO ** OR *- DESIGNATORS IN THE ADDRESS	CDCM	1634	A
44	CDCM	*			FIELD. * BY ITSELF IS OK.	CDCM	1635	A
45	CDCM					CDCM	1636	A
46	CDCM					CDCM	1637	A
47	CDCM	PC.JUMP	BSS	0	ENTRY FROM *PCS*	CDCM	1638	A
48	CDCM		QUAL	PC.JUMP		CDCM	1639	A
49	CDCM		SA1	PCSCLC	SET PREVIOUS EXEC CODE FLAG = CURRENT / 2	CDCM	1640	A
50	CDCM		SB3	X1	(B3) = CURRENT *PCSCLC* SETTING	CDCM	1641	A
51	CDCM		AX6	X1,B1	(= 0 IF LAST INST. WAS UNCONDITIONAL JUMP)	CDCM	1642	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CDCM

	CDCM	R=	X7,2	CURRENT EXEC CODE FLAG = 2 FOR INSTRUCTIONS	CDCM	1643	A
1	CDCM	SA6	PCSPLC	OTHER THAN UNCONDITIONAL JUMPS	CDCM	1644	A
2	CDCM	SA7	A1		CDCM	1645	A
3	CDCM	SA5	COMCOL	BEGINNING DEFAULT COMMENT COLUMN	CDCM	1646	A
4	CDCM	RJ	FBF	FIND BEGINNING OF ADDRESS FIELD	CDCM	1647	A
5	CDCM	IX5	X6-X5		CDCM	1648	A
6	CDCM	PL	X5,JMP3	IF NO ADDRESS, EITHER UNCOND. OR ERROR	CDCM	1649	A
7	CDCM	JMP1	RJ	GSE	CDCM	1650	A
8	CDCM	NZ	B2,JMP4	IF NOT A REGISTER	CDCM	1651	A
9	CDCM	SX1	X1-8	B0 REGISTER OK	CDCM	1652	A
10	CDCM	NZ	X1,PCSPROC	NOT UNCONDITIONAL, GO COMPLETE PROCESSING	CDCM	1653	A
11	CDCM	JMP2	NZ	X4,JMP1	CDCM	1654	A
12	CDCM	JMP3	SX7	B1	CDCM	1655	A
13	CDCM	SA7	PCSCLC		CDCM	1656	A
14	CDCM	SA1	S0.JP		CDCM	1657	A
15	CDCM	ZR	X1,PCSPROC	IF *JP* NOT SELECTED	CDCM	1658	A
16	CDCM	RJ	CRT	CLEAR REGISTER TABLE	CDCM	1659	A
17	CDCM	EQ	PCSPROC	GO COMPLETE PROCESSING	CDCM	1660	A
18	CDCM				CDCM	1661	A
19	CDCM				CDCM	1662	A
20	CDCM	JMP4	SX3	X1-1R*	CDCM	1663	A
21	CDCM		SX4	X2-1R	CDCM	1664	A
22	CDCM		NZ	X3,JMP2	CDCM	1665	A
23	CDCM		ZR	X4,JMP3	CDCM	1666	A
24	CDCM		EQ	PCSPROC	CDCM	1667	A
25	CDCM			NOT UNCONDITIONAL, GO COMPLETE PROCESSING	CDCM	1668	A
26	CDCM				CDCM	1669	A
27	CDCM	UJUMP	QUAL *		CDCM	1670	A
28	CDCM	PC.QUAL	EQU /PC.JUMP/JMP3		CDCM	1671	A
29	CDCM	**	TITLE PC.QUAL - PROCESS *QUAL* STATEMENT.		CDCM	1672	A
30	CDCM	*	PC.QUAL - PROCESS *QUAL* STATEMENT.		CDCM	1673	A
31	CDCM	*			CDCM	1674	A
32	CDCM	*	A *QUAL* STATEMENT CAUSES THE TABLES *O.QUL* AND *O.QUS* TO		CDCM	1675	A
33	CDCM	*	BE UPDATED AND THE CURRENT QUALIFIER INDEX *PCSQI* TO BE		CDCM	1676	A
34	CDCM	*	UPDATED. THERE ARE THREE (3) CASES.		CDCM	1677	A
35	CDCM	*			CDCM	1678	A
36	CDCM	*	1) ADDRESS FIELD CONTAINS A NAME: NAME IS ADDED TO *O.QUL*		CDCM	1679	A
37	CDCM	*	IF NOT ALREADY THERE. AN ENTRY IS ADDED TO *O.QUS*		CDCM	1680	A
38	CDCM	*	CONTAINING THE CURRENT QUALIFIER INDEX. *PCSQI* IS SET		CDCM	1681	A
39	CDCM	*	TO THE CURRENT QUALIFIER INDEX.		CDCM	1682	A
40	CDCM	*			CDCM	1683	A
41	CDCM	*	2) ADDRESS FIELD IS BLANK: AN ENTRY IS ADDED TO *O.QUS* FOR		CDCM	1684	A
42	CDCM	*	GLOBAL QUALIFICATION (ZERO VALUE). *PCSQI* IS SET TO ZERO.		CDCM	1685	A
43	CDCM	*			CDCM	1686	A
44	CDCM	*	3) ADDRESS FIELD CONTAINS *: IF THERE ARE ANY ENTRIES IN		CDCM	1687	A
45	CDCM	*	*O.QUS*, THE LAST ONE IS REMOVED, THUS POPPING THE STACK.		CDCM	1688	A
46	CDCM	*	*PCSQI* IS SET TO THE QUALIFIER INDEX FROM THE PREVIOUS		CDCM	1689	A
47	CDCM	*	*O.QUS* ENTRY (OR ZERO IF *O.QUS* IS EMPTY).		CDCM	1690	A
48	CDCM				CDCM	1691	A
49	CDCM	PC.QUAL	BSS 0	ENTRY FROM *PCS*	CDCM	1692	A
50	CDCM		QUAL PC.QUAL		CDCM	1693	A
51	CDCM		RJ FBF	FIND BEGINNING OF FIELD	CDCM	1694	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CDCM

	CDCM	SA2	COMCOL		CDCM	1695	A
1	CDCM	IX2	X6-X2		CDCM	1696	A
2	CDCM	PL	X2,QUL3	IF NO ADDRESS FIELD	CDCM	1697	A
3	CDCM	RJ	GSE	GET STATEMENT ELEMENT	CDCM	1698	A
4	CDCM	NE	B2,B1,QUL5	IF NOT A SYMBOL	CDCM	1699	A
5	CDCM	SA2	0.QUL		CDCM	1700	A
6	CDCM	SA3	A2+B1	*0.QUL* LENGTH	CDCM	1701	A
7	CDCM	ZR	X3,QUL2	IF *0.QUL* EMPTY	CDCM	1702	A
8	CDCM	SB2	X2	(B2) = FWA *0.QUL*	CDCM	1703	A
9	CDCM	SA5	B2+X3	SAVE (LWA+1)	CDCM	1704	A
10	CDCM	BX7	X5		CDCM	1705	A
11	CDCM	SB7	A5	(B7) = LWA+1	CDCM	1706	A
12	CDCM	BX6	X1		CDCM	1707	A
13	CDCM	SA6	A5	SET TARGET VALUE AT LWA+1	CDCM	1708	A
14	CDCM	SA4	B2-1	FIRST-1 ENTRY	CDCM	1709	A
15	CDCM	QUL1	SA4	A4+B1	CDCM	1710	A
16	CDCM	BX4	X6-X4		CDCM	1711	A
17	CDCM	NZ	X4,QUL1	LOOP UNTIL HIT	CDCM	1712	A
18	CDCM	SB6	A4		CDCM	1713	A
19	CDCM	SA7	A5	RESTORE (LWA+1)	CDCM	1714	A
20	CDCM	EQ	B6,B7,QUL2	IF QUALIFIER NAME NOT IN TABLE	CDCM	1715	A
21	CDCM	SX1	B6-B2	(X1) = INDEX OF QUALIFIER NAME	CDCM	1716	A
22	CDCM	SX1	X1+B1		CDCM	1717	A
23	CDCM	EQ	QUL4	GO ADD TO *0.QUS*	CDCM	1718	A
24	CDCM				CDCM	1719	A
25	CDCM	QUL2	RJ	ADW	CDCM	1720	A
26	CDCM			ADD WORD TO TABLE *0.QUL*	CDCM	1721	A
27	CDCM			(X1) = NEW NAME, (A2) = (X2) = 0.QUL	CDCM	1722	A
28	CDCM	BX1	X3	(X1) = NEW LENGTH OF *0.QUL*	CDCM	1723	A
29	CDCM	EQ	QUL4	= CURRENT QUAL-INDEX	CDCM	1724	A
30	CDCM				CDCM	1725	A
31	CDCM	QUL3	MX1	0	CDCM	1726	A
32	CDCM	QUL4	SA2	0.QUS	CDCM	1727	A
33	CDCM		RJ	ADW	CDCM	1728	A
34	CDCM		SA6	PCSQI	CDCM	1729	A
35	CDCM		EQ	PCS90	CDCM	1730	A
36	CDCM	QUL5	SB2	B2-4	CDCM	1731	A
37	CDCM		NZ	B2,PCS90	CDCM	1732	A
38	CDCM		SX1	X1-1R*	CDCM	1733	A
39	CDCM		NZ	X1,PCS90	CDCM	1734	A
40	CDCM		SX2	X2-1R	CDCM	1735	A
41	CDCM		NZ	X2,PCS90	CDCM	1736	A
42	CDCM				CDCM	1737	A
43	CDCM	*	QUAL * FOUND. REMOVE THE TOP ENTRY FROM THE QUALIFIER STACK		CDCM	1738	A
44	CDCM	*	AND SET THE CURRENT QUALIFIER INDEX TO THAT OF THE PREVIOUS		CDCM	1739	A
45	CDCM	*	ENTRY.		CDCM	1740	A
46	CDCM				CDCM	1741	A
47	CDCM	SA2	0.QUS+1	*0.QUS* LENGTH	CDCM	1742	A
48	CDCM	MX6	0	SET FOR ZERO QUAL-INDEX	CDCM	1743	A
49	CDCM	SA1	A2-B1	*0.QUS* FWA	CDCM	1744	A
50	CDCM	ZR	X2,QUL6	IF *0.QUS* ALREADY EMPTY	CDCM	1745	A
51	CDCM	SX6	X2-1	SHORTEN BY ONE ENTRY	CDCM	1746	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CDCM

	CDCM		SA6	A2		CDCM	1747	A
1	CDCM		ZR	X6,QUL6	IF NOW EMPTY	CDCM	1748	A
2	CDCM		IX3	X1+X6	NEW LWA+1	CDCM	1749	A
3	CDCM		SA4	X3-1	GET THE NEW TOP ENTRY	CDCM	1750	A
4	CDCM		BX6	X4		CDCM	1751	A
5	CDCM	QUL6	SA6	PCSQI	SET CURRENT QUAL-INDEX	CDCM	1752	A
6	CDCM		EQ	PCSEXIT	EXIT FROM *PCS*	CDCM	1753	A
7	CDCM					CDCM	1754	A
8	CDCM		QUAL	*		CDCM	1755	A
9	CDCM	ADW	TITLE	INTERMEDIATE FILE AND TABLE MANAGEMENT.		CDCM	1756	A
10	CDCM	**	ADW	-	ADD WORD TO TABLE IN CMM VARIABLE BLOCK.	CDCM	1757	A
11	CDCM	*				CDCM	1758	A
12	CDCM	*			ADDS A WORD TO A MANAGED TABLE. CMM VARIABLE-POSITION BLOCKS	CDCM	1759	A
13	CDCM	*			ARE USED FOR THE TABLES TO ALLOW FOR THE FLEXIBILITY TO	CDCM	1760	A
14	CDCM	*			INTERFACE WITH OTHER LANGUAGES IN THE FUTURE.	CDCM	1761	A
15	CDCM	*				CDCM	1762	A
16	CDCM	*			TABLE POINTERS ARE OF THE FOLLOWING FORMAT:	CDCM	1763	A
17	CDCM	*				CDCM	1764	A
18	CDCM	*	WD 0	VFD	30/(BLOCK-SIZE),30/(BLOCK-FWA)	CDCM	1765	A
19	CDCM	*	WD 1	VFD	42/0,18/LENGTH	CDCM	1766	A
20	CDCM	*	WD 2	VFD	42/0,18/INCR	CDCM	1767	A
21	CDCM	*				CDCM	1768	A
22	CDCM	*			WORD 0 IS THE POINTER WORD WHICH IS MAINTAINED BY CMM. IT IS	CDCM	1769	A
23	CDCM	*			SET TO ZERO UNTIL THE BLOCK IS FIRST ALLOCATED.	CDCM	1770	A
24	CDCM	*				CDCM	1771	A
25	CDCM	*			LENGTH = LENGTH OF ACTUAL DATA IN BLOCK. THIS IS	CDCM	1772	A
26	CDCM	*			UPDATED BY *ADW* OR BY ANY USERS OF THE BLOCK.	CDCM	1773	A
27	CDCM	*			INCR = AMOUNT BY WHICH THE BLOCK-SIZE IS INCREASED	CDCM	1774	A
28	CDCM	*			WHENEVER AN INCREASE IS NECESSARY. MAY BE	CDCM	1775	A
29	CDCM	*			MODIFIED AT RUN-TIME IF DESIRED.	CDCM	1776	A
30	CDCM	*				CDCM	1777	A
31	CDCM	*				CDCM	1778	A
32	CDCM	*	ENTRY	(X1) = WORD.		CDCM	1779	A
33	CDCM	*		(X2) = CMM POINTER WORD.		CDCM	1780	A
34	CDCM	*		(B1) = 1.		CDCM	1781	A
35	CDCM	*		(A2) = TABLE POINTER.		CDCM	1782	A
36	CDCM	*				CDCM	1783	A
37	CDCM	*	EXIT	(X1) = (X6) = WORD.		CDCM	1784	A
38	CDCM	*		(X2) = FWA OF TABLE.		CDCM	1785	A
39	CDCM	*		(X3) = LENGTH OF TABLE.		CDCM	1786	A
40	CDCM	*		(B1) = 1.		CDCM	1787	A
41	CDCM	*		(A6) = ADDRESS OF WORD.		CDCM	1788	A
42	CDCM	*				CDCM	1789	A
43	CDCM	*	USES	X - 1, 2, 3, 4, 6, 7.		CDCM	1790	A
44	CDCM	*		B - 4, 5, 6, 7.		CDCM	1791	A
45	CDCM	*		A - 1, 2, 3, 4, 5, 6, 7.		CDCM	1792	A
46	CDCM	*				CDCM	1793	A
47	CDCM	*	CALLS	CMM.ALV, CMM.GLV.		CDCM	1794	A
48	CDCM					CDCM	1795	A
49	CDCM					CDCM	1796	A
50	CDCM	ADW	EQ	++1S17	ENTRY / EXIT	CDCM	1797	A
51	CDCM	ADW1	SA3	A2+B1	USED LENGTH	CDCM	1798	A
52								
53		0	1	2	3	4	5	6
54		1234567890123456789012345678901234567890123456789012345678901234567890						
55								
56								
57								
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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CDCM

	CDCM	BX6	X2	(B7) = CMM LENGTH	CDCM	1799	A
1	CDCM	SB6	X3	(B6) = USED LENGTH	CDCM	1800	A
2	CDCM	AX6	30		CDCM	1801	A
3	CDCM	SB7	X6		CDCM	1802	A
4	CDCM	LT	B6,B7,ADW4	IF ROOM FOR ANOTHER WORD	CDCM	1803	A
5	CDCM	BX6	X1	SAVE X1 AND A2	CDCM	1804	A
6	CDCM	SX7	A2		CDCM	1805	A
7	CDCM	SA6	ADWSV		CDCM	1806	A
8	CDCM	SA7	A6+B1		CDCM	1807	A
9	CDCM	NZ	X2,ADW2	IF TABLE ALREADY ALLOCATED	CDCM	1808	A
10	CDCM	SX4	A2	(X4) = ADDRESS OF POINTER WORD	CDCM	1809	A
11	CDCM	SX3	3*1S6+1	SIZE-CODE = 3 (LWA CAN GROW OR SHRINK)	CDCM	1810	A
12	CDCM			TYPE-CODE = 1 (CMM UPDATES POINTER WORD)	CDCM	1811	A
13	CDCM	SA2	A3+B1	(X2) = BLOCK-SIZE	CDCM	1812	A
14	CDCM	RJ	=XCMM.ALV	ALLOCATE VARIABLE BLOCK	CDCM	1813	A
15	CDCM	EQ	ADW3	GO RESTORE ENTRY REGISTERS	CDCM	1814	A
16	CDCM				CDCM	1815	A
17	CDCM	ADW2	BX1	X2 (X1) = BLOCK-FWA	CDCM	1816	A
18	CDCM		SA2	A3+B1 (X2) = AMOUNT OF INCREASE	CDCM	1817	A
19	CDCM		RJ	=XCMM.GLV GROW BLOCK AT LWA	CDCM	1818	A
20	CDCM				CDCM	1819	A
21	CDCM	ADW3	SA1	ADWSV RESTORE X1 AND A2	CDCM	1820	A
22	CDCM		SA2	A1+B1	CDCM	1821	A
23	CDCM		SA2	X2	CDCM	1822	A
24	CDCM		EQ	ADW1 REPEAT	CDCM	1823	A
25	CDCM				CDCM	1824	A
26	CDCM	ADW4	BX6	X1 (X6) = WORD	CDCM	1825	A
27	CDCM		SA6	X2+B6 STORE WORD IN TABLE	CDCM	1826	A
28	CDCM		SX7	X3+B1 ADVANCE TABLE USED LENGTH	CDCM	1827	A
29	CDCM		BX3	X7 (X3) = NEW USED LENGTH	CDCM	1828	A
30	CDCM		SA7	A3	CDCM	1829	A
31	CDCM		EQ	ADW RETURN	CDCM	1830	A
32	CDCM				CDCM	1831	A
33	CDCM	ADWSV	BSSZ	2 REGISTER SAVE AREA	CDCM	1832	A
34	CDCM	AWS		TITLE INTERMEDIATE FILE AND TABLE MANAGEMENT.	CDCM	1833	A
35	CDCM	**		AWS - ALLOCATE WORK SPACE FOR INTERMEDIATE FILE.	CDCM	1834	A
36	CDCM	*			CDCM	1835	A
37	CDCM	*		ALLOCATES ADDITIONAL WORK SPACE FOR THE INTERMEDIATE FILE.	CDCM	1836	A
38	CDCM	*		THE FILE IS INITIALLY TARGETTED FOR EITHER CM OR LCM BY *CWS*,	CDCM	1837	A
39	CDCM	*		WHICHEVER HAS THE LARGER AVAILABLE AREA.	CDCM	1838	A
40	CDCM	*			CDCM	1839	A
41	CDCM	*		IF IN CM, A VARIABLE-POSITION *CMM* BLOCK IS USED, AND IS	CDCM	1840	A
42	CDCM	*		INCREASED, WHEN NECESSARY, BY *FLINC* WORDS, UP TO THE	CDCM	1841	A
43	CDCM	*		ALLOWED MAXIMUM. IF IN LCM, THE SPACE IS OBTAINED DIRECTLY	CDCM	1842	A
44	CDCM	*		BY ISSUING *MEMORY* REQUESTS FOR *FLINL* WORDS, UP TO THE	CDCM	1843	A
45	CDCM	*		ALLOWED MAXIMUM.	CDCM	1844	A
46	CDCM	*			CDCM	1845	A
47	CDCM	*		IF EITHER THE CM OR LCM AREA EXCEEDS THE ALLOWED MAXIMUM, THEN	CDCM	1846	A
48	CDCM	*		AN ERROR STATUS IS RETURNED, AND NO FURTHER ALLOCATION TAKES	CDCM	1847	A
49	CDCM	*		PLACE.	CDCM	1848	A
50	CDCM	*			CDCM	1849	A
51	CDCM	*			CDCM	1850	A

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CDCM

	CDCM	*	ENTRY	(B1) = 1.		CDCM	1851	A
1	CDCM	*				CDCM	1852	A
2	CDCM	*	EXIT	(X6) = 0 IF SPACE WAS OBTAINED.		CDCM	1853	A
3	CDCM	*		-1 IF WORK SPACE OVERFLOW.		CDCM	1854	A
4	CDCM	*		(B1) = 1.		CDCM	1855	A
5	CDCM	*		IFWA = 0 IF WORK SPACE IS IN LCM.		CDCM	1856	A
6	CDCM	*		NZ FWA IF IN CM.		CDCM	1857	A
7	CDCM	*				CDCM	1858	A
8	CDCM	*	USES	X - 1, 2, 3, 4, 6, 7.		CDCM	1859	A
9	CDCM	*		B - 4, 5, 6, 7.		CDCM	1860	A
10	CDCM	*		A - 1, 2, 3, 4, 5, 6, 7.		CDCM	1861	A
11	CDCM	*				CDCM	1862	A
12	CDCM	*	CALLS	CMM.ALV, CMM.GLV, SYS=.		CDCM	1863	A
13	CDCM					CDCM	1864	A
14	CDCM					CDCM	1865	A
15	CDCM	AWS	EQ	++1S17	ENTRY / EXIT	CDCM	1866	A
16	CDCM		SA1	IMAX	MAXIMUM WORKSPACE SIZE	CDCM	1867	A
17	CDCM		SA3	IFWA	WORKSPACE FWA	CDCM	1868	A
18	CDCM		SA4	AWSM	CURRENT WORKSPACE SIZE	CDCM	1869	A
19	CDCM		IX6	X1-X4	(MAX) - (CURRENT)	CDCM	1870	A
20	CDCM		SB7	X3		CDCM	1871	A
21	CDCM		ZR	X3,AWS3	IF FWA = 0, THEN WORKSPACE IS IN LCM	CDCM	1872	A
22	CDCM					CDCM	1873	A
23	CDCM	*			CHECK IF ROOM FOR MORE CM WORKSPACE.	CDCM	1874	A
24	CDCM					CDCM	1875	A
25	CDCM		SX7	FLINC	AMOUNT OF INCREASE FOR CM	CDCM	1876	A
26	CDCM		ZR	X6,AWS5	IF CM WORKSPACE FULL	CDCM	1877	A
27	CDCM					CDCM	1878	A
28	CDCM	*			ALLOCATE ADDITIONAL CM WORKSPACE.	CDCM	1879	A
29	CDCM					CDCM	1880	A
30	CDCM		IX2	X6-X7	(X7) = MIN (FLINC, (MAX-CURRENT) )	CDCM	1881	A
31	CDCM		PL	X2,AWS1		CDCM	1882	A
32	CDCM		BX7	X6		CDCM	1883	A
33	CDCM	AWS1	IX6	X4+X7	UPDATE CURRENT SIZE	CDCM	1884	A
34	CDCM		SA6	A4		CDCM	1885	A
35	CDCM		BX2	X7	(X2) = BLOCK-SIZE OR AMOUNT OF INCREASE	CDCM	1886	A
36	CDCM		NE	B7,B1,AWS2	IF NOT FIRST REQUEST FOR CM WORKSPACE	CDCM	1887	A
37	CDCM		SX3	3*1S6+1	SIZE-CODE = 3 (LWA CAN GROW OR SHRINK)	CDCM	1888	A
38	CDCM				TYPE-CODE = 1 (CMM MAINTAINS POINTER WORD)	CDCM	1889	A
39	CDCM		SX4	IFWA	ADDRESS OF POINTER WORD	CDCM	1890	A
40	CDCM		RJ	=XCMM.ALV	ALLOCATE VARIABLE BLOCK	CDCM	1891	A
41	CDCM		SX6	B0		CDCM	1892	A
42	CDCM		EQ	AWS	RETURN	CDCM	1893	A
43	CDCM					CDCM	1894	A
44	CDCM	AWS2	SA1	IFWA	(X1) = BLOCK-FWA	CDCM	1895	A
45	CDCM		RJ	=XCMM.GLV	GROW BLOCK AT LWA	CDCM	1896	A
46	CDCM		SX6	B0		CDCM	1897	A
47	CDCM		EQ	AWS	RETURN	CDCM	1898	A
48	CDCM					CDCM	1899	A
49	CDCM	*			CHECK IF ROOM FOR MORE LCM WORKSPACE.	CDCM	1900	A
50	CDCM					CDCM	1901	A
51	CDCM	AWS3	SX7	FLINL	AMOUNT OF INCREASE FOR LCM	CDCM	1902	A
52								
53		0	1	2	3	4	5	6
54		1234567890123456789012345678901234567890123456789012345678901234567890						
55								
56								
57								
58								
59								
60								

ZR	X6,AWS5	IF ALREADY AT MAXIMUM
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	CDCM		ZR	X6,AWS5	IF ALREADY AT MAXIMUM	CDCM	1903	A
1	CDCM					CDCM	1904	A
2	CDCM	*			ALLOCATE ADDITIONAL SPACE FOR WORKSPACE IN LCM.	CDCM	1905	A
3	CDCM					CDCM	1906	A
4	CDCM		IX2	X6-X7	(X7) = MIN (FLINL, (MAX-CURRENT) )	CDCM	1907	A
5	CDCM		PL	X2,AWS4		CDCM	1908	A
6	CDCM		BX7	X6		CDCM	1909	A
7	CDCM	AWS4	IX7	X4+X7	UPDATE CURRENT SIZE	CDCM	1910	A
8	CDCM		SA7	A4		CDCM	1911	A
9	CDCM		LX7	30	FORM *MEMORY* REQUEST FOR NEW LCM FL	CDCM	1912	A
10	CDCM		SA7	MEMARG		CDCM	1913	A
11	CDCM		MEMORY	ECS,MEMARG,RCL	REQUEST LCM FL	CDCM	1914	A
12	CDCM		SX6	B0		CDCM	1915	A
13	CDCM		EQ	AWS	RETURN	CDCM	1916	A
14	CDCM					CDCM	1917	A
15	CDCM	*			WORKSPACE OVERFLOW.	CDCM	1918	A
16	CDCM					CDCM	1919	A
17	CDCM	AWS5	SX6	-B1		CDCM	1920	A
18	CDCM		EQ	AWS	RETURN	CDCM	1921	A
19	CDCM					CDCM	1922	A
20	CDCM	AWSM	CON	0	CURRENT SIZE OF CM OR LCM WORKSPACE	CDCM	1923	A
21	CDCM	CVL	TITLE		INTERMEDIATE FILE AND TABLE MANAGEMENT.	CDCM	1924	A
22	CDCM	**			CALLS THE PP PROGRAM *CVL*.	CDCM	1925	A
23	CDCM	*				CDCM	1926	A
24	CDCM	*	ENTRY	(X1)	= ADDRESS OF PARAMETER BLOCK.	CDCM	1927	A
25	CDCM	*		(X2)	= REQUEST.	CDCM	1928	A
26	CDCM	*		(B1)	= 1.	CDCM	1929	A
27	CDCM	*				CDCM	1930	A
28	CDCM	*	EXIT	(B1)	= 1.	CDCM	1931	A
29	CDCM	*				CDCM	1932	A
30	CDCM	*	USES	X - 1, 2, 6.		CDCM	1933	A
31	CDCM	*		B - NONE.		CDCM	1934	A
32	CDCM	*		A - NONE.		CDCM	1935	A
33	CDCM	*				CDCM	1936	A
34	CDCM	*	CALLS	SYS=.		CDCM	1937	A
35	CDCM					CDCM	1938	A
36	CDCM					CDCM	1939	A
37	CDCM	CVL1	RJ	SYS=	MAKE RA+1 CALL	CDCM	1940	A
38	CDCM					CDCM	1941	A
39	CDCM	CVL=	PS		ENTRY/EXIT	CDCM	1942	A
40	CDCM		MX6	-18	POSITION PARAMETER BLOCK ADDRESS	CDCM	1943	A
41	CDCM		BX1	-X6*X1		CDCM	1944	A
42	CDCM		LX2	18		CDCM	1945	A
43	CDCM		SX6	4RCVLP/16	SET *CVL* CALL	CDCM	1946	A
44	CDCM		BX1	X2+X1	MERGE REQUEST	CDCM	1947	A
45	CDCM		LX6	40		CDCM	1948	A
46	CDCM		BX6	X6+X1		CDCM	1949	A
47	CDCM		EQ	CVL1	MAKE CALL	CDCM	1950	A
48	CDCM	CWS	TITLE		INTERMEDIATE FILE AND TABLE MANAGEMENT.	CDCM	1951	A
49	CDCM	**			CWS - COMPUTE MAXIMUM SIZE FOR WORK SPACE.	CDCM	1952	A
50	CDCM	*				CDCM	1953	A
51	CDCM	*			DETERMINES THE AMOUNT OF AVAILABLE WORK SPACE FOR THE	CDCM	1954	A

[illegible]

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CDCM

	CDCM	*	INTERMEDIATE FILE. IT IS ALLOCATED TO EITHER CM OR LCM, BUT			CDCM	1955	A
1	CDCM	*	NOT BOTH. IF NOT ON A 180-CLASS MODEL OR A 176 (I.E., A MODEL			CDCM	1956	A
2	CDCM	*	WITH DIRECT-ACCESS LCM ACCESSIBLE VIA *RXI* OR *WXI* INSTRUCTIONS),			CDCM	1957	A
3	CDCM	*	WORKSPACE MUST GO TO CM. THE AMOUNT IS DETERMINED BY			CDCM	1958	A
4	CDCM	*	THE FOLLOWING:			CDCM	1959	A
5	CDCM	*				CDCM	1960	A
6	CDCM	*	SPACE = MAX [MIN(AVAILCM,MAXC), MIN((MAXFLLCM-FUDL),MAXL)]			CDCM	1961	A
7	CDCM	*				CDCM	1962	A
8	CDCM	*	WHERE AVAILCM = AVAILABLE AMOUNT OF CM (ACCORDING TO CMM).			CDCM	1963	A
9	CDCM	*	MAXC = MAXIMUM AMOUNT OF CM THAT WILL BE USED			CDCM	1964	A
10	CDCM	*	(INSTALLATION OPTION).			CDCM	1965	A
11	CDCM	*	MAXFLLCM = LCM MAXFL.			CDCM	1966	A
12	CDCM	*	FUDL = AMOUNT TO REDUCE LCM MAXFL TO ENSURE WE CAN			CDCM	1967	A
13	CDCM	*	GET IT (INSTALLATION OPTION).			CDCM	1968	A
14	CDCM	*	MAXL = MAXIMUM AMOUNT OF LCM THAT WILL BE USED			CDCM	1969	A
15	CDCM	*	(INSTALLATION OPTION).			CDCM	1970	A
16	CDCM	*				CDCM	1971	A
17	CDCM	*				CDCM	1972	A
18	CDCM	*	ENTRY (B1) = 1.			CDCM	1973	A
19	CDCM	*				CDCM	1974	A
20	CDCM	*	EXIT (B1) = 1.			CDCM	1975	A
21	CDCM	*	IFWA = 0 IF WORKSPACE TO GO IN LCM.			CDCM	1976	A
22	CDCM	*	1 IF WORKSPACE TO GO IN CM.			CDCM	1977	A
23	CDCM	*	IMAX = MAXIMUM ALLOWABLE SIZE OF WORKSPACE.			CDCM	1978	A
24	CDCM	*				CDCM	1979	A
25	CDCM	*	USES X - 1, 2, 3, 4, 6, 7.			CDCM	1980	A
26	CDCM	*	B - 7.			CDCM	1981	A
27	CDCM	*	A - 1, 2, 3, 4, 6, 7.			CDCM	1982	A
28	CDCM	*				CDCM	1983	A
29	CDCM	*	CALLS CMM.GFS, CVL=, SYS=.			CDCM	1984	A
30	CDCM					CDCM	1985	A
31	CDCM					CDCM	1986	A
32	CDCM	CWS	EQ	++1S17	ENTRY / EXIT	CDCM	1987	A
33	CDCM		SX1	B1	GET SIZE OF LARGEST BLOCK THAT CMM WILL	CDCM	1988	A
34	CDCM		SX2	B0	ALLOCATE UP TO MAXFL	CDCM	1989	A
35	CDCM		RJ	=XCMM.GFS		CDCM	1990	A
36	CDCM		AX6	6		CDCM	1991	A
37	CDCM		SX6	X6-1	ROUND DOWN 100-177B CM WORDS	CDCM	1992	A
38	CDCM		LX6	6		CDCM	1993	A
39	CDCM		SX4	MAXC	INSTALLATION-DEFINED MAXIMUM SIZE FOR CM	CDCM	1994	A
40	CDCM		IX3	X6-X4	(X6) = MIN (AVAILCM,MAXC)	CDCM	1995	A
41	CDCM		MI	X3,CWS1		CDCM	1996	A
42	CDCM		BX6	X4		CDCM	1997	A
43	CDCM	CWS1	SB7	X6	SAVE CM VALUE	CDCM	1998	A
44	CDCM		GETMC	GETMCW	GET MACHINE CHARACTERISTICS	CDCM	1999	A
45	CDCM		SA2	GETMCW		CDCM	2000	A
46	CDCM		MX3	3	EXAMINE BITS 18-20 (180-CLASS OR 176)	CDCM	2001	A
47	CDCM		LX2	59-20		CDCM	2002	A
48	CDCM		BX2	X3*X2		CDCM	2003	A
49	CDCM		MX7	0	SET FOR ZERO AVAILABLE LCM	CDCM	2004	A
50	CDCM		ZR	X2,CWS2	IF NOT RUNNING ON 180-CLASS OR 176 MODEL	CDCM	2005	A
51	CDCM		MEMORY	ECS, MEMARG, RCL	GET MAXFL FOR LCM	CDCM	2006	A

0 1 2 3 4 5 6 7 8  
123456789012345678901234567890123456789012345678901234567890

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CDCM

	CDCM		SA1	MEMARG		CDCM	2007	A
1	CDCM		AX1	30		CDCM	2008	A
2	CDCM		SX7	X1-FUDL		CDCM	2009	A
3	CDCM		SX4	MAXL	INSTALLATION-DEFINED MAXIMUM LCM SIZE	CDCM	2010	A
4	CDCM		IX3	X7-X4	(X7) = MIN ( (MAXFLLCM-FUDL), MAXL)	CDCM	2011	A
5	CDCM		MI	X3,CWS2		CDCM	2012	A
6	CDCM		BX7	X4		CDCM	2013	A
7	CDCM	CWS2	SX6	B0	SET FOR *IFWA* = 0 IF USING LCM	CDCM	2014	A
8	CDCM		SX4	B7		CDCM	2015	A
9	CDCM		IX3	X7-X4	LCM - CM	CDCM	2016	A
10	CDCM		PL	X3,CWS3	IF (LCM) .GE. (CM)	CDCM	2017	A
11	CDCM		SX6	B1	SET FOR *IFWA* = 1 IF USING CM	CDCM	2018	A
12	CDCM		BX7	X4		CDCM	2019	A
13	CDCM	CWS3	SA7	IMAX	SAVE WORKSPACE SIZE	CDCM	2020	A
14	CDCM		SA6	IFWA	SAVE CM / LCM INDICATOR	CDCM	2021	A
15	CDCM		EQ	CWS	RETURN	CDCM	2022	A
16	CDCM					CDCM	2023	A
17	CDCM	GETMCW	CON	0	*GETMC* ARGUMENT WORD	CDCM	2024	A
18	CDCM	MEMARG	VFD	30/-1,30/0	*MEMORY* ARGUMENT WORD	CDCM	2025	A
19	CDCM	RIF	TITLE	INTERMEDIATE FILE AND TABLE MANAGEMENT.		CDCM	2026	A
20	CDCM	**	RIF	RIF - READ INTERMEDIATE FILE.		CDCM	2027	A
21	CDCM	*				CDCM	2028	A
22	CDCM	*		READS ONE ENTRY FROM THE INTERMEDIATE FILE. IF IN CM OR LCM,		CDCM	2029	A
23	CDCM	*		THE POSITION IS DETERMINED BY THE POINTERS AS INDICATED BELOW.		CDCM	2030	A
24	CDCM	*		IF ON A FILE, *RDW=* IS CALLED.		CDCM	2031	A
25	CDCM	*				CDCM	2032	A
26	CDCM	*	ENTRY	(B1) = 1.		CDCM	2033	A
27	CDCM	*		*IFWA* = FWA OF THE WORKSPACE IF IN CM OR LCM.		CDCM	2034	A
28	CDCM	*		*IFETCH* = CURRENT POSITION IF IN CM OR LCM.		CDCM	2035	A
29	CDCM	*		*ISIZE* = LWA+1 OF DATA IF IN CM OR LCM.		CDCM	2036	A
30	CDCM	*				CDCM	2037	A
31	CDCM	*	EXIT	(X1) = 0 IF ENTRY READ.		CDCM	2038	A
32	CDCM	*		NZ IF AT END OF INTERMEDIATE FILE.		CDCM	2039	A
33	CDCM	*		(B1) = 1.		CDCM	2040	A
34	CDCM	*		ENTRY IS STORED AT *INTENT*.		CDCM	2041	A
35	CDCM	*				CDCM	2042	A
36	CDCM	*	USES	X - 1, 2, 3, 4, 6, 7.		CDCM	2043	A
37	CDCM	*		B - 2, 3, 4, 5, 6, 7.		CDCM	2044	A
38	CDCM	*		A - 1, 2, 3, 4, 6, 7.		CDCM	2045	A
39	CDCM	*				CDCM	2046	A
40	CDCM	*	CALLS	RDW=.		CDCM	2047	A
41	CDCM					CDCM	2048	A
42	CDCM					CDCM	2049	A
43	CDCM	*		READ INTERMEDIATE ENTRY FROM LCM.		CDCM	2050	A
44	CDCM					CDCM	2051	A
45	CDCM	RIF1	SX7	B1	(X7) = 1	CDCM	2052	A
46	CDCM		RX6	X4	READ 1ST WORD	CDCM	2053	A
47	CDCM		SB4	B1	(B4) = NUMBER OF WORDS READ	CDCM	2054	A
48	CDCM		SA6	INTENT	STORE 1ST WORD	CDCM	2055	A
49	CDCM	RIF2	IX4	X4+X7	ADVANCE LCM FETCH ADDRESS	CDCM	2056	A
50	CDCM		RX6	X4	READ WORD	CDCM	2057	A
51	CDCM		SB4	B4+B1	ADVANCE WORD COUNT	CDCM	2058	A
52								
53		0	1	2	3	4	5	6
54		1234567890123456789012345678901234567890123456789012345678901234567890						
55								
56								
57								
58								
59								
60								

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CDCM

	CDCM		SA6	A6+B1	STORE WORD	CDCM	2059	A
1	CDCM		LT	B4,B7,RIF2	LOOP	CDCM	2060	A
2	CDCM		MX1	0	(X1) = 0 FOR TRANSFER COMPLETE	CDCM	2061	A
3	CDCM					CDCM	2062	A
4	CDCM	*			ENTRY / EXIT.	CDCM	2063	A
5	CDCM					CDCM	2064	A
6	CDCM	RIF	EQ	++1S17	ENTRY / EXIT	CDCM	2065	A
7	CDCM		SA2	SP		CDCM	2066	A
8	CDCM		NZ	X2,RIF4	IF INTERMEDIATE ON FILE	CDCM	2067	A
9	CDCM		SA2	IFWA	NZ IF CM, ZR IF LCM	CDCM	2068	A
10	CDCM		SA3	ISIZE	LENGTH OF STORED DATA	CDCM	2069	A
11	CDCM		SA4	IFETCH	(X4) = FETCH POINTER	CDCM	2070	A
12	CDCM		IX6	X4-X3		CDCM	2071	A
13	CDCM		SX1	-B1	SET FOR EOI STATUS	CDCM	2072	A
14	CDCM		PL	X6,RIF	IF AT END OF INTERMEDIATE FILE	CDCM	2073	A
15	CDCM		SB7	INTLTH+LINELTH	(B7) = ENTRY LENGTH	CDCM	2074	A
16	CDCM		SX7	X4+B7	ADVANCE FETCH POINTER	CDCM	2075	A
17	CDCM		SA7	A4		CDCM	2076	A
18	CDCM		ZR	X2,RIF1	IF INTERMEDIATE IN LCM	CDCM	2077	A
19	CDCM		IX2	X4+X2	(X2) = SOURCE	CDCM	2078	A
20	CDCM		SX3	INTENT	(X3) = DESTINATION	CDCM	2079	A
21	CDCM		MX7	-1		CDCM	2080	A
22	CDCM	RIF3	SA1	X2	MOVE LOOP	CDCM	2081	A
23	CDCM		BX6	X1		CDCM	2082	A
24	CDCM		SA6	X3		CDCM	2083	A
25	CDCM		IX2	X2-X7	ADVANCE SOURCE	CDCM	2084	A
26	CDCM		IX3	X3-X7	ADVANCE DESTINATION	CDCM	2085	A
27	CDCM		SB7	B7-B1		CDCM	2086	A
28	CDCM		NZ	B7,RIF3	LOOP	CDCM	2087	A
29	CDCM		MX1	0	(X1) = 0 FOR TRANSFER COMPLETE	CDCM	2088	A
30	CDCM		EQ	RIF	RETURN	CDCM	2089	A
31	CDCM					CDCM	2090	A
32	CDCM	*			READ INTERMEDIATE FROM FILE.	CDCM	2091	A
33	CDCM					CDCM	2092	A
34	CDCM	RIF4	READW	X2,INTENT,INTLTH+LINELTH		CDCM	2093	A
35	CDCM		EQ	RIF	RETURN, (X1) = STATUS	CDCM	2094	A
36	CDCM					CDCM	2095	A
37	CDCM	INTENT	BSS	INTLTH	INTERMEDIATE FILE ENTRY	CDCM	2096	A
38	CDCM	ILINE	BSS	LINELTH	LINE IMAGE PART OF INTERMEDIATE FILE ENTRY	CDCM	2097	A
39	CDCM	RWF	TITLE	INTERMEDIATE FILE AND TABLE MANAGEMENT.		CDCM	2098	A
40	CDCM	**	RWF - REWIND INTERMEDIATE FILE.			CDCM	2099	A
41	CDCM	*				CDCM	2100	A
42	CDCM	*			IF THE INTERMEDIATE FILE IS IN CM OR LCM, THE POINTERS ARE	CDCM	2101	A
43	CDCM	*			RESET. IF ON MASS-STORAGE, A *REWIND* IS ISSUED, FOLLOWED BY	CDCM	2102	A
44	CDCM	*			A *READ* TO BEGIN THE READING OF DATA WHICH ALWAYS FOLLOWS.	CDCM	2103	A
45	CDCM	*				CDCM	2104	A
46	CDCM	*			ENTRY (B1) = 1.	CDCM	2105	A
47	CDCM	*				CDCM	2106	A
48	CDCM	*			EXIT (B1) = 1.	CDCM	2107	A
49	CDCM	*				CDCM	2108	A
50	CDCM	*	USES	X - 1, 2, 6, 7.		CDCM	2109	A
51	CDCM	*		B - NONE.		CDCM	2110	A
52								
53		0	1	2	3	4	5	6
54		1234567890123456789012345678901234567890123456789012345678901234567890						
55								
56								
57								
58								
59								
60								



\* A - 1, 2, 6, 7.

14121HE

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CDCM

	CDCM					CDCM	2163	A
1	CDCM	*	CHECK IF ROOM TO STORE ENTRY IN CURRENT WORKSPACE.			CDCM	2164	A
2	CDCM					CDCM	2165	A
3	CDCM	SIF1	SA1	INEXT	NEXT AVAILABLE WORD IN WORK SPACE	CDCM	2166	A
4	CDCM		SA2	AWSM	CURRENT SIZE	CDCM	2167	A
5	CDCM		SX1	X1+B3		CDCM	2168	A
6	CDCM		IX7	X2-X1		CDCM	2169	A
7	CDCM		PL	X7,SIF7	IF ROOM FOR THIS INSERTION	CDCM	2170	A
8	CDCM					CDCM	2171	A
9	CDCM	*	INCREASE WORKSPACE SIZE, IF POSSIBLE.			CDCM	2172	A
10	CDCM					CDCM	2173	A
11	CDCM		RJ	AWS	ALLOCATE WORK SPACE	CDCM	2174	A
12	CDCM		MI	X6,SIF2	IF WORKSPACE OVERFLOW, COPY TO FILE	CDCM	2175	A
13	CDCM		EQ	SIF1	TRY AGAIN	CDCM	2176	A
14	CDCM					CDCM	2177	A
15	CDCM	*	COPY WORKSPACE TO A FILE.			CDCM	2178	A
16	CDCM					CDCM	2179	A
17	CDCM	SIF2	SX6	B2	SAVE B2 AND B3	CDCM	2180	A
18	CDCM		SX7	B3		CDCM	2181	A
19	CDCM		SA6	SIFA		CDCM	2182	A
20	CDCM		SA7	A6+B1		CDCM	2183	A
21	CDCM		SX7	X	SET FOR SCRATCH-1	CDCM	2184	A
22	CDCM		SA1	SF		CDCM	2185	A
23	CDCM		ZR	X1,SIF3	IF TO USE SCRATCH-1	CDCM	2186	A
24	CDCM		SX7	Y	SET FOR SCRATCH-2	CDCM	2187	A
25	CDCM	SIF3	SA7	SP+1	SET FILE NAME FOR INTERMEDIATE WRITE	CDCM	2188	A
26	CDCM		SX3	B1		CDCM	2189	A
27	CDCM		BX6	X1-X3	REVERSE FILE FLAG	CDCM	2190	A
28	CDCM		SA6	A1		CDCM	2191	A
29	CDCM		SX2	X7	(X2) = FET ADDRESS	CDCM	2192	A
30	CDCM		SA1	IFWA		CDCM	2193	A
31	CDCM		SA3	INEXT	(X3) = STORE POINTER = AMOUNT TO TRANSFER	CDCM	2194	A
32	CDCM		ZR	X1,SIF5	IF WORKSPACE IN LCM	CDCM	2195	A
33	CDCM		WRITEW	X2,X1,X3		CDCM	2196	A
34	CDCM	SIF4	SA2	SP+1	(X2) = FET ADDRESS	CDCM	2197	A
35	CDCM		SA3	SIFA	RESTORE B2 AND B3	CDCM	2198	A
36	CDCM		SA4	A3+B1		CDCM	2199	A
37	CDCM		SB2	X3		CDCM	2200	A
38	CDCM		SB3	X4		CDCM	2201	A
39	CDCM		EQ	SIF11	GO WRITE CURRENT ENTRY TO FILE	CDCM	2202	A
40	CDCM					CDCM	2203	A
41	CDCM	SIF5	SX0	B0	(X0) = TRANSFER ADDRESS	CDCM	2204	A
42	CDCM		BX5	X3	(X5) = AMOUNT TO TRANSFER	CDCM	2205	A
43	CDCM		SB2	X7	(B2) = FET ADDRESS	CDCM	2206	A
44	CDCM	SIF6	RX6	X0	READ WORD FROM LCM	CDCM	2207	A
45	CDCM		WRITE0	B2	WRITE WORD FROM (X6)	CDCM	2208	A
46	CDCM		SX1	B1		CDCM	2209	A
47	CDCM		IX0	X0+X1	ADVANCE TRANSFER ADDRESS	CDCM	2210	A
48	CDCM		IX5	X5-X1	REDUCE TRANSFER COUNT	CDCM	2211	A
49	CDCM		NZ	X5,SIF6	LOOP	CDCM	2212	A
50	CDCM		EQ	SIF4	TRANSFER COMPLETE	CDCM	2213	A
51	CDCM					CDCM	2214	A

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LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CDCM

	CDCM	*	ADD ENTRY TO WORKSPACE.			CDCM	2215	A
1	CDCM					CDCM	2216	A
2	CDCM	SIF7	SA1	IFWA		CDCM	2217	A
3	CDCM		SA2	INEXT	STORE POINTER	CDCM	2218	A
4	CDCM		IX6	X1+X2		CDCM	2219	A
5	CDCM		SB7	X6	INITIALIZE STORE ADDRESS	CDCM	2220	A
6	CDCM		SA3	B2-B1	INITIALIZE FETCH ADDRESS	CDCM	2221	A
7	CDCM		SB4	B0	INITIALIZE COUNT	CDCM	2222	A
8	CDCM		SX7	X2+B3	ADVANCE *INEXT*	CDCM	2223	A
9	CDCM		SA7	A2		CDCM	2224	A
10	CDCM		ZR	X1,SIF9	IF IN LCM	CDCM	2225	A
11	CDCM	SIF8	SA3	A3+B1	FETCH WORD	CDCM	2226	A
12	CDCM		BX6	X3		CDCM	2227	A
13	CDCM		SA6	B7	STORE WORD	CDCM	2228	A
14	CDCM		SB4	B4+B1	ADVANCE COUNT	CDCM	2229	A
15	CDCM		SB7	B7+B1	ADVANCE STORE ADDRESS	CDCM	2230	A
16	CDCM		LT	B4,B3,SIF8	LOOP	CDCM	2231	A
17	CDCM		EQ	SIF	RETURN	CDCM	2232	A
18	CDCM					CDCM	2233	A
19	CDCM	SIF9	SA3	A3+B1	FETCH FIRST WORD	CDCM	2234	A
20	CDCM		SX7	X2	INITIALIZE STORE ADDRESS	CDCM	2235	A
21	CDCM	SIF10	WX3	X7	STORE WORD	CDCM	2236	A
22	CDCM		SB4	B4+B1	ADVANCE COUNT	CDCM	2237	A
23	CDCM		SA3	A3+B1	FETCH NEXT WORD	CDCM	2238	A
24	CDCM		SX7	X7+B1	ADVANCE STORE ADDRESS	CDCM	2239	A
25	CDCM		LT	B4,B3,SIF10	LOOP	CDCM	2240	A
26	CDCM		EQ	SIF	RETURN	CDCM	2241	A
27	CDCM					CDCM	2242	A
28	CDCM	*	WRITE INTERMEDIATE ENTRY TO FILE.			CDCM	2243	A
29	CDCM					CDCM	2244	A
30	CDCM	SIF11	WRITEW	X2,B2,B3	WRITE INTERMEDIATE	CDCM	2245	A
31	CDCM		EQ	SIF	RETURN	CDCM	2246	A
32	CDCM					CDCM	2247	A
33	CDCM	SIFA	CON	0,0	B2, B3 SAVE AREA	CDCM	2248	A
34	CDCM	INF	TITLE INPUT/OUTPUT ROUTINES.			CDCM	2249	A
35	CDCM	**	INF - INITIALIZE FILES.			CDCM	2250	A
36	CDCM	*				CDCM	2251	A
37	CDCM	*	PERFORMS INITIALIZATION OF FILES USED BY CDCM AS FOLLOWS:			CDCM	2252	A
38	CDCM	*				CDCM	2253	A
39	CDCM	*	- FOR THE INPUT FILE:			CDCM	2254	A
40	CDCM	*	- GETS THE INPUT FILE NAME FROM ENTRY POINT *LFNI* AND			CDCM	2255	A
41	CDCM	*	STORES IT IN FET *I*.			CDCM	2256	A
42	CDCM	*	- ISSUES A *REWIND* ON *I* (UNLESS THE FILE NAME = *INPUT*).			CDCM	2257	A
43	CDCM	*	- ISSUES THE FIRST *READ* ON *I*.			CDCM	2258	A
44	CDCM	*	- IF LIST OUTPUT IS SPECIFIED:			CDCM	2259	A
45	CDCM	*	- GETS THE LIST FILE NAME FROM ENTRY POINT *LFNL* AND			CDCM	2260	A
46	CDCM	*	STORES IT IN FET *L*.			CDCM	2261	A
47	CDCM	*	- DETERMINES PRINT DENSITY TO USE (VIA CALL TO *GETPAGE*).			CDCM	2262	A
48	CDCM	*	IF 8LPI, WRITES CONTROL CHARACTER TO LIST FILE.			CDCM	2263	A
49	CDCM	*	- PLACES THE DATE AND TIME IN TITLE LINE FOR LIST FILE.			CDCM	2264	A
50	CDCM	*	- FOR THE SCRATCH FILES, WHICH MAY OR MAY NOT BE NEEDED:			CDCM	2265	A
51	CDCM	*	- STORES THE TWO FILE NAMES DEFINED BY *DFLT* AND *DFLT*			CDCM	2266	A
52								
53		0	1	2	3	4	5	6
54		1234567890123456789012345678901234567890123456789012345678901234567890						

\* IN FETS \*X\* AND \*Y\*, RESPECTIVELY, AND ISSUES A \*RETURN\*  
\* ON EACH OF THEM.

	CDCM	*	IN FETS *X* AND *Y*, RESPECTIVELY, AND ISSUES A *RETURN*			CDCM	2267	A	
1	CDCM	*	ON EACH OF THEM.			CDCM	2268	A	1
2	CDCM	*				CDCM	2269	A	2
3	CDCM	*	ENTRY (B1) = 1.			CDCM	2270	A	3
4	CDCM	*	(LFNI) = NAME OF INPUT FILE.			CDCM	2271	A	4
5	CDCM	*	(LFNL) = NAME OF LIST FILE.			CDCM	2272	A	5
6	CDCM	*				CDCM	2273	A	6
7	CDCM	*	EXIT (B1) = 1.			CDCM	2274	A	7
8	CDCM	*				CDCM	2275	A	8
9	CDCM	*	USES X - ALL.			CDCM	2276	A	9
10	CDCM	*	B - ALL.			CDCM	2277	A	10
11	CDCM	*	A - ALL.			CDCM	2278	A	11
12	CDCM	*				CDCM	2279	A	12
13	CDCM	*	CALLS CIO=, CPM=, SYS=, WTW=.			CDCM	2280	A	13
14	CDCM					CDCM	2281	A	14
15	CDCM					CDCM	2282	A	15
16	CDCM	INF	EQ	++1S17	ENTRY / EXIT	CDCM	2283	A	16
17	CDCM		SA1	LFNI	NAME OF INPUT FILE	CDCM	2284	A	17
18	CDCM		SA2	I		CDCM	2285	A	18
19	CDCM		MX0	42	SAVE LOWER 18 BITS OF FET(0)	CDCM	2286	A	19
20	CDCM		BX6	-X0*X2		CDCM	2287	A	20
21	CDCM		BX6	X6+X1		CDCM	2288	A	21
22	CDCM		SA6	A2		CDCM	2289	A	22
23	CDCM		SA4	=0LINPUT		CDCM	2290	A	23
24	CDCM		IX3	X1-X4		CDCM	2291	A	24
25	CDCM		ZR	X3,INF1	IF NAME = *INPUT*, DO NOT REWIND	CDCM	2292	A	25
26	CDCM		REWIND	I		CDCM	2293	A	26
27	CDCM	INF1	READ	I	INITIATE FIRST READ (AKA 'PRIME THE PUMP')	CDCM	2294	A	27
28	CDCM		SA1	LFNL	NAME OF OUTPUT FILE	CDCM	2295	A	28
29	CDCM		ZR	X1,INF3	IF NO LIST OUTPUT	CDCM	2296	A	29
30	CDCM		SA2	L		CDCM	2297	A	30
31	CDCM		MX0	42	SAVE LOWER 18 BITS OF FET(0)	CDCM	2298	A	31
32	CDCM		BX6	-X0*X2		CDCM	2299	A	32
33	CDCM		BX6	X6+X1		CDCM	2300	A	33
34	CDCM		SA6	A2		CDCM	2301	A	34
35	CDCM		GETPAGE	WRTEMP	DETERMINE PRINT DENSITY TO USE	CDCM	2302	A	35
36	CDCM		SA1	WRTEMP		CDCM	2303	A	36
37	CDCM		MX4	-8		CDCM	2304	A	37
38	CDCM		AX1	12+8	POSITION TO *PS*	CDCM	2305	A	38
39	CDCM		BX6	-X4*X1		CDCM	2306	A	39
40	CDCM		SA6	LINEMAX		CDCM	2307	A	40
41	CDCM		SA6	LINECT	SET TO PUT OUT TITLE FIRST TIME	CDCM	2308	A	41
42	CDCM		MX4	-4		CDCM	2309	A	42
43	CDCM		AX1	8	POSITION TO *PD*	CDCM	2310	A	43
44	CDCM		BX6	-X4*X1		CDCM	2311	A	44
45	CDCM		AX6	3	0 IF 6LPI, 1 IF 8LPI	CDCM	2312	A	45
46	CDCM		SA6	PAGEPD		CDCM	2313	A	46
47	CDCM		ZR	X6,INF2	IF 6LPI	CDCM	2314	A	47
48	CDCM		WRITEW	L,LPI8,1	WRITE PAGE CONTROL FOR 8LPI	CDCM	2315	A	48
49	CDCM	INF2	DATE	TDATE	GET DATE FOR TITLE	CDCM	2316	A	49
50	CDCM		CLOCK	TTIME	GET TIME FOR TITLE	CDCM	2317	A	50
51	CDCM	INF3	SA1	=0L"DFLTX"	NAME OF SCRATCH FILE 1	CDCM	2318	A	51

[illegible]

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CDCM

	CDCM	SA3	X			CDCM	2319	A
1	CDCM	MX0	42	SAVE LOWER 18 BITS OF FET(0)		CDCM	2320	A
2	CDCM	BX6	-X0*X3			CDCM	2321	A
3	CDCM	BX6	X6+X1			CDCM	2322	A
4	CDCM	SA6	A3			CDCM	2323	A
5	CDCM	RETURN	A3,RCL	RETURN SCRATCH FILE 1		CDCM	2324	A
6	CDCM	SA2	=0L"DFLTY"	NAME OF SCRATCH FILE 2		CDCM	2325	A
7	CDCM	SA4	Y			CDCM	2326	A
8	CDCM	BX7	-X0*X4			CDCM	2327	A
9	CDCM	BX7	X7+X2			CDCM	2328	A
10	CDCM	SA7	A4			CDCM	2329	A
11	CDCM	RETURN	A4,RCL	RETURN SCRATCH FILE 2		CDCM	2330	A
12	CDCM	EQ	INF	RETURN		CDCM	2331	A
13	CDCM	NXTLINE	TITLE	INPUT/OUTPUT ROUTINES.		CDCM	2332	A
14	CDCM	**	NXTLINE	- READ NEXT LINE.		CDCM	2333	A
15	CDCM	*				CDCM	2334	A
16	CDCM	*		READS THE NEXT LINE OF THE INPUT FILE INTO THE WORKING		CDCM	2335	A
17	CDCM	*		BUFFER. LINES ARE IGNORED IF THEY CONSIST OF ANY OF THE		CDCM	2336	A
18	CDCM	*		FOLLOWING:		CDCM	2337	A
19	CDCM	*				CDCM	2338	A
20	CDCM	*		- ALL-BLANK LINE.		CDCM	2339	A
21	CDCM	*		- * IN COLUMN 1 (COMMENT).		CDCM	2340	A
22	CDCM	*		- , IN COLUMN 1 (CONTINUATION LINES CURRENTLY IGNORED).		CDCM	2341	A
23	CDCM	*				CDCM	2342	A
24	CDCM	*		ENTRY (B1) = 1.		CDCM	2343	A
25	CDCM	*				CDCM	2344	A
26	CDCM	*		EXIT (X1) = 0 - LINE READ INTO *ILINE*.		CDCM	2345	A
27	CDCM	*		= NZ - EOF/EOI ENCOUNTERED.		CDCM	2346	A
28	CDCM	*		(B1) = 1.		CDCM	2347	A
29	CDCM	*				CDCM	2348	A
30	CDCM	*		USES X - 1, 2, 3, 4, 6, 7.		CDCM	2349	A
31	CDCM	*		B - 2, 3, 4, 5, 6, 7.		CDCM	2350	A
32	CDCM	*		A - 1, 2, 3, 4, 6, 7.		CDCM	2351	A
33	CDCM	*				CDCM	2352	A
34	CDCM	*		CALLS CIO=, RDH=.		CDCM	2353	A
35	CDCM					CDCM	2354	A
36	CDCM					CDCM	2355	A
37	CDCM	NXTLINE	EQ	**+1S17 ENTRY / EXIT		CDCM	2356	A
38	CDCM	NXT1	READH	I,I,LINE,LINELTH READ SOURCE LINE TO WORKING BUFFER		CDCM	2357	A
39	CDCM		ZR	X1,NXT2 IF DATA READ (NO EOR/EOF/EOI)		CDCM	2358	A
40	CDCM		MI	X1,NXTLINE IF EOF/EOI, EXIT		CDCM	2359	A
41	CDCM		READ	I RE-ISSUE THE READ		CDCM	2360	A
42	CDCM		EQ	NXT1 LOOP		CDCM	2361	A
43	CDCM					CDCM	2362	A
44	CDCM	NXT2	SA4	ILINE CHECK FOR LINES TO BE IGNORED		CDCM	2363	A
45	CDCM		MX2	-6		CDCM	2364	A
46	CDCM		LX4	6		CDCM	2365	A
47	CDCM		BX3	-X2*X4 1ST CHAR OF LINE		CDCM	2366	A
48	CDCM		SX6	X3-1R*		CDCM	2367	A
49	CDCM		ZR	X6,NXT1 SKIP IF * IN COL 1		CDCM	2368	A
50	CDCM		SX7	X3-1R,		CDCM	2369	A
51	CDCM		ZR	X7,NXT1 SKIP IF , IN COL 1		CDCM	2370	A

0 1 2 3 4 5 6 7 8  
123456789012345678901234567890123456789012345678901234567890



## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CDCM

	CDCM	EQ	NXTLINE	RETURN, (X1) = 0	CDCM	2371	A
1	CDCM	WRITEX	TITLE	INPUT/OUTPUT ROUTINES.	CDCM	2372	A
2	CDCM	**	WRITEX	- COMPLETE LIST FILE.	CDCM	2373	A
3	CDCM	*			CDCM	2374	A
4	CDCM	*	-	WRITES LINE CONTAINING COUNT OF POTENTIAL CODE-MODIFICATION	CDCM	2375	A
5	CDCM	*		PROBLEMS.	CDCM	2376	A
6	CDCM	*	-	WRITES ** PRINT LIMIT EXCEEDED ** LINE IF NECESSARY.	CDCM	2377	A
7	CDCM	*	-	RESETS PRINT DENSITY IF IT WAS SET TO 8LPI.	CDCM	2378	A
8	CDCM	*	-	ISSUES EOR WRITE.	CDCM	2379	A
9	CDCM	*			CDCM	2380	A
10	CDCM	*	ENTRY	(B1) = 1.	CDCM	2381	A
11	CDCM	*			CDCM	2382	A
12	CDCM	*	EXIT	NONE.	CDCM	2383	A
13	CDCM	*			CDCM	2384	A
14	CDCM	*	USES	X - 0, 1, 2, 3, 4, 6, 7.	CDCM	2385	A
15	CDCM	*		B - 2, 3, 4, 5, 6, 7.	CDCM	2386	A
16	CDCM	*		A - 1, 2, 3, 4, 6, 7.	CDCM	2387	A
17	CDCM	*			CDCM	2388	A
18	CDCM	*	CALLS	CDD=, CIO=, WRTITL, WTW=.	CDCM	2389	A
19	CDCM				CDCM	2390	A
20	CDCM				CDCM	2391	A
21	CDCM	WRITEX	EQ	**1S17 ENTRY / EXIT	CDCM	2392	A
22	CDCM		SA2	PRINTL PRINT LIMIT	CDCM	2393	A
23	CDCM		SA1	PRINTCT ACTUAL NUMBER OF LINES DETECTED	CDCM	2394	A
24	CDCM		IX0	X2-X1	CDCM	2395	A
25	CDCM		RJ	=XCDD= CONVERT ACTUAL TO DECIMAL DISPLAY	CDCM	2396	A
26	CDCM		MX7	8*6 SET TO PRINT SHORTER LINE	CDCM	2397	A
27	CDCM		SB7	ELINEL1	CDCM	2398	A
28	CDCM		PL	X0,WTX1 IF PRINT LIMIT NOT EXCEEDED	CDCM	2399	A
29	CDCM		SA2	LOOP	CDCM	2400	A
30	CDCM		NZ	X2,WTX1 IF SHORT LISTING SELECTED	CDCM	2401	A
31	CDCM		MX7	10*6 SET TO PRINT LONGER LINE	CDCM	2402	A
32	CDCM		SB7	ELINEL2	CDCM	2403	A
33	CDCM	WTX1	BX7	X7*X4	CDCM	2404	A
34	CDCM		SA7	ELINEV STORE COUNT IN LINE	CDCM	2405	A
35	CDCM		SX0	B7 (X0) = LINE LENGTH	CDCM	2406	A
36	CDCM		SA2	LINEMAX	CDCM	2407	A
37	CDCM		SA3	LINECT	CDCM	2408	A
38	CDCM		IX6	X2-X3	CDCM	2409	A
39	CDCM		SX6	X6-3	CDCM	2410	A
40	CDCM		PL	X6,WTX2 IF FINAL LINE WILL FIT ON THIS PAGE	CDCM	2411	A
41	CDCM		RJ	WRTITL	CDCM	2412	A
42	CDCM	WTX2	WRITEW	L,ELINE,X0 WRITE FINAL LINE	CDCM	2413	A
43	CDCM		SA1	PAGEPD	CDCM	2414	A
44	CDCM		ZR	X1,WTX3 IF 6LPI	CDCM	2415	A
45	CDCM		WRITEW	L,LPI6,1 RESET PRINTER CONTROL TO 6LPI	CDCM	2416	A
46	CDCM	WTX3	WRITER	L,RCL WRITE END OF RECORD	CDCM	2417	A
47	CDCM		EQ	WRITEX RETURN	CDCM	2418	A
48	CDCM	WRLINE	TITLE	INPUT/OUTPUT ROUTINES.	CDCM	2419	A
49	CDCM	**	WRLINE	- WRITE LINE TO LIST FILE.	CDCM	2420	A
50	CDCM	*			CDCM	2421	A
51	CDCM	*		WRITES A LINE TO THE LIST FILE VIA *WRITEH*. KEEPS TRACK OF	CDCM	2422	A
52							
53		0	1	2	3	4	5
54		1234567890123456789012345678901234567890123456789012345678901234567890					
55							
56							
57							
58							
59							
60							

CDCM	2423	A
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14121HE

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## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CDCM

CDCM						CDCM	2475	A
CDCM	WRTITL	EQ	**1S17	ENTRY / EXIT		CDCM	2476	A
CDCM		SA1	PAGENO	ADVANCE PAGE NUMBER		CDCM	2477	A
CDCM		SX6	X1+B1			CDCM	2478	A
CDCM		SA6	A1			CDCM	2479	A
CDCM		RJ	=XCDD=	CONVERT TO DECIMAL DISPLAY		CDCM	2480	A
CDCM		LX6	4*6	STORE PAGE NUMBER IN TITLE		CDCM	2481	A
CDCM		MX1	-2*6	INSERT LINE TERMINATOR		CDCM	2482	A
CDCM		BX6	X1*X6			CDCM	2483	A
CDCM		SA6	TPAGE			CDCM	2484	A
CDCM		WRITEW	L,TITL,TITLL	WRITE TITLE		CDCM	2485	A
CDCM		EQ	WRTITL	RETURN		CDCM	2486	A
CDCM	IODATA	TITLE	I/O STORAGE	AND FETS.		CDCM	2487	A
CDCM	WRTEMP	BSS	2	REGISTER SAVE AREA		CDCM	2488	A
CDCM	LINEMAX	CON	0	MAXIMUM LINES PER PAGE		CDCM	2489	A
CDCM	LINECT	CON	0	NUMBER OF LINES WRITTEN ON CURRENT PAGE		CDCM	2490	A
CDCM	PAGENO	CON	1	PAGE NUMBER FOR NEXT TITLE TO BE WRITTEN		CDCM	2491	A
CDCM	PAGEPD	CON	0	0 - 6LPI, 1 - 8LPI		CDCM	2492	A
CDCM	LPI6	DATA	8LS 6LPI			CDCM	2493	A
CDCM	LPI8	DATA	8LT 8LPI			CDCM	2494	A
CDCM	TITL	DATA	50H1	L I N E S W I T H C O D E M O D I F I		CDCM	2495	A
CDCM		DATA	20HC A T I O N			CDCM	2496	A
CDCM		DATA	20HCDCM 1.0			CDCM	2497	A
CDCM	TDATE	DATA	10H			CDCM	2498	A
CDCM	TTIME	DATA	10H			CDCM	2499	A
CDCM		DATA	10H	PAGE		CDCM	2500	A
CDCM	TPAGE	CON	0			CDCM	2501	A
CDCM		DATA	2L			CDCM	2502	A
CDCM		DATA	2L			CDCM	2503	A
CDCM	TITLL	EQU	*-TITL			CDCM	2504	A
CDCM						CDCM	2505	A
CDCM	ELINE	DATA	2L ,2L			CDCM	2506	A
CDCM		DATA	30H	L I N E S W I T H P O T E N T I A L		CDCM	2507	A
CDCM		DATA	30H	C O D E - M O D I F I C A T I O N P R O B L E M S -		CDCM	2508	A
CDCM	ELINEV	DATA	0			CDCM	2509	A
CDCM	ELINEL1	EQU	*-ELINE			CDCM	2510	A
CDCM		DATA	38L	*** PRINT LIMIT EXCEEDED ***		CDCM	2511	A
CDCM	ELINEL2	EQU	*-ELINE			CDCM	2512	A
CDCM						CDCM	2513	A
CDCM	*		FETS AND BUFFERS.			CDCM	2514	A
CDCM						CDCM	2515	A
CDCM	I	FILEB	IBUF,IBUFL	INPUT FILE FET		CDCM	2516	A
CDCM	L	FILEB	LBUF,LBUFL	OUTPUT FILE FET		CDCM	2517	A
CDCM	X	FILEB	XBUF,XBUFL	INTERMEDIATE FILE-1 FET		CDCM	2518	A
CDCM	Y	FILEB	YBUF,YBUFL	INTERMEDIATE FILE-2 FET		CDCM	2519	A
CDCM						CDCM	2520	A
CDCM	IBUFL	EQU	2001B	LENGTH OF INPUT CIO BUFFER		CDCM	2521	A
CDCM	IBUF	BSS	IBUFL	INPUT CIO BUFFER		CDCM	2522	A
CDCM						CDCM	2523	A
CDCM	LBUFL	EQU	2001B	LENGTH OF OUTPUT CIO BUFFER		CDCM	2524	A
CDCM	LBUF	BSS	LBUFL	OUTPUT CIO BUFFER		CDCM	2525	A
CDCM						CDCM	2526	A

0 1 2 3 4 5 6 7 8  
123456789012345678901234567890123456789012345678901234567890

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CDCM

	CDCM	XBUFL	EQU	2001B	LENGTH OF INTERMEDIATE FILE-1 BUFFER	CDCM	2527	A
1	CDCM	XBUF	BSS	XBUFL	INTERMEDIATE FILE-1 BUFFER	CDCM	2528	A
2	CDCM					CDCM	2529	A
3	CDCM	YBUFL	EQU	2001B	LENGTH OF INTERMEDIATE FILE-2 BUFFER	CDCM	2530	A
4	CDCM	YBUF	BSS	YBUFL	INTERMEDIATE FILE-2 BUFFER	CDCM	2531	A
5	CDCM					CDCM	2532	A
6	CDCM	*				CDCM	2533	A
7	CDCM	OR.FIX	EQU	*	BEGINNING OF FIXED-LENGTH STORAGE AREA	CDCM	2534	A
8	CDCM	*				CDCM	2535	A
9	CDCM				TITLE FIXED-LENGTH STORAGE.	CDCM	2536	A
10	CDCM	**			FIXED-LENGTH STORAGE.	CDCM	2537	A
11	CDCM	*				CDCM	2538	A
12	CDCM	*			THE FOLLOWING AREA OVERWRITES THE INITIALIZATION ROUTINES.	CDCM	2539	A
13	CDCM				SPACE 4,8	CDCM	2540	A
14	CDCM	**			OR.REG - REGISTER TABLE.	CDCM	2541	A
15	CDCM	*				CDCM	2542	A
16	CDCM	*			CONTAINS THE NAMES OF THE MOST RECENTLY ENCOUNTERED SYMBOLS	CDCM	2543	A
17	CDCM	*			ASSOCIATED WITH EACH OF THE 24 MACHINE REGISTERS.	CDCM	2544	A
18	CDCM	*			THE NUMBER OF SYMBOLS SAVED FOR EACH REGISTER IS CONTROLLED	CDCM	2545	A
19	CDCM	*			BY *PCSNVAL*.	CDCM	2546	A
20	CDCM	*				CDCM	2547	A
21	CDCM	*			ENTRY = 1 WORD. SAME FORMAT AS *O.LOC* ENTRIES.	CDCM	2548	A
22	CDCM					CDCM	2549	A
23	CDCM	NREG	EQU	24	NUMBER OF REGISTERS	CDCM	2550	A
24	CDCM	LE.REG	EQU	NREG*PCSNVAL	TABLE LENGTH	CDCM	2551	A
25	CDCM	OR.REG	BSS	LE.REG		CDCM	2552	A
26	CDCM				SPACE 4,8	CDCM	2553	A
27	CDCM	**			OR.LINE - STRING BUFFER.	CDCM	2554	A
28	CDCM	*				CDCM	2555	A
29	CDCM	*			CONTAINS CURRENT LINE IMAGE AS ONE CHARACTER PER WORD WITH	CDCM	2556	A
30	CDCM	*			EACH CHARACTER STORED IN THE LOW-ORDER CHARACTER POSITION.	CDCM	2557	A
31	CDCM					CDCM	2558	A
32	CDCM					CDCM	2559	A
33	CDCM	LE.LINE	EQU	10*LINELTH	STRING BUFFER LENGTH	CDCM	2560	A
34	CDCM	OR.LINE	BSS	LE.LINE	STRING BUFFER	CDCM	2561	A
35	CDCM		CON	0	TO END SEARCH FOR NON-BLANK IF ALL-BLANK	CDCM	2562	A
36	CDCM					CDCM	2563	A
37	CDCM	ENDZ	EQU	*	END OF FIXED-LENGTH STORAGE AREA	CDCM	2564	A
38	CDCM	SCO			TITLE SCO - SET CONTROL STATEMENT OPTIONS.	CDCM	2565	A
39	CDCM	**			SCO - SET CONTROL STATEMENT OPTIONS.	CDCM	2566	A
40	CDCM	*				CDCM	2567	A
41	CDCM	*			THIS ROUTINE IS OVERWRITTEN AFTER INITIALIZATION.	CDCM	2568	A
42	CDCM					CDCM	2569	A
43	CDCM					CDCM	2570	A
44	CDCM		ORG	OR.FIX		CDCM	2571	A
45	CDCM		QUAL	SCO		CDCM	2572	A
46	CDCM	SCO	EQ	++1S17	ENTRY / EXIT	CDCM	2573	A
47	CDCM					CDCM	2574	A
48	CDCM	*			UNPACK CONTROL STATEMENT BY *UPC=*.	CDCM	2575	A
49	CDCM					CDCM	2576	A
50	CDCM		SA5	RA.CCD	FWA OF CONTROL STATEMENT	CDCM	2577	A
51	CDCM		SB7	ARGLST	FWA FOR UNPACKED ARGUMENTS	CDCM	2578	A
52								
53		0	1	2	3	4	5	6
54		1234567890123456789012345678901234567890123456789012345678901234567890						
55								
56								
57								
58								
59								
60								

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CDCM

	CDCM	RJ	=XUPC=	UNPACK CONTROL CARD.	CDCM	2579	A
1	CDCM	SB7	B0		CDCM	2580	A
2	CDCM	NZ	X6,SC010	IF ERROR DURING UNPACK	CDCM	2581	A
3	CDCM				CDCM	2582	A
4	CDCM	*		PROCESS ARGUMENTS.	CDCM	2583	A
5	CDCM				CDCM	2584	A
6	CDCM	SB2	ARGLST	(B2) = ARGUMENT POINTER (SKIP NAME CALL)	CDCM	2585	A
7	CDCM	MX0	42		CDCM	2586	A
8	CDCM	SC01	SB2	B2+B1 NEXT ARGUMENT	CDCM	2587	A
9	CDCM	SA1	B2		CDCM	2588	A
10	CDCM	ZR	X1,SC04	IF NO MORE ARGUMENTS	CDCM	2589	A
11	CDCM	SA2	PARAMS-1	FWA-1 MAIN PARAMETER LIST	CDCM	2590	A
12	CDCM	SX3	X1		CDCM	2591	A
13	CDCM	MX5	0	(X5) = 0 IF NO EQUIVALENCE	CDCM	2592	A
14	CDCM	ZR	X3,SC02	IF NOT EQUIVALENCED	CDCM	2593	A
15	CDCM	SX3	X1-1R=		CDCM	2594	A
16	CDCM	SB2	B2+B1		CDCM	2595	A
17	CDCM	SA5	B2	(X5) = VALUE IF EQUIVALENCED	CDCM	2596	A
18	CDCM	ZR	X3,SC02	IF EQUIVALENCED	CDCM	2597	A
19	CDCM	SB7	B0	KEYWORD FOLLOWED BY OTHER THAN , ( . ) =	CDCM	2598	A
20	CDCM	EQ	SC010		CDCM	2599	A
21	CDCM				CDCM	2600	A
22	CDCM	SC02	SA2	A2+B1 NEXT LIST ENTRY	CDCM	2601	A
23	CDCM	ZR	X2,SC03	IF ARGUMENT NOT FOUND	CDCM	2602	A
24	CDCM	BX3	X1-X2		CDCM	2603	A
25	CDCM	BX3	X0*X3		CDCM	2604	A
26	CDCM	NZ	X3,SC02	LOOP	CDCM	2605	A
27	CDCM	SB3	X2	JUMP TO PROCESSOR	CDCM	2606	A
28	CDCM	JP	B3		CDCM	2607	A
29	CDCM				CDCM	2608	A
30	CDCM	SC03	BX1	X0*X1	CDCM	2609	A
31	CDCM	SB7	B1		CDCM	2610	A
32	CDCM	RJ	=XSFN=	SPACE FILL NAME	CDCM	2611	A
33	CDCM	LX6	-6		CDCM	2612	A
34	CDCM	SA6	SCOERR1		CDCM	2613	A
35	CDCM	EQ	SC010	GO TO ERROR EXIT	CDCM	2614	A
36	CDCM				CDCM	2615	A
37	CDCM	*		SET UP INSTRUCTION TABLE ACCORDING TO *SM* AND *LM* OPTIONS.	CDCM	2616	A
38	CDCM				CDCM	2617	A
39	CDCM	SC04	SX7	PCSTA SET FOR -SM, -LM	CDCM	2618	A
40	CDCM	SA1	S0.SM		CDCM	2619	A
41	CDCM	SA2	S0.LM		CDCM	2620	A
42	CDCM	LX1	1		CDCM	2621	A
43	CDCM	BX3	X1+X2		CDCM	2622	A
44	CDCM	SB6	X3-1		CDCM	2623	A
45	CDCM	MI	B6,SC06	IF -SM, -LM	CDCM	2624	A
46	CDCM	SX7	PCSTB	SET FOR SM, -LM	CDCM	2625	A
47	CDCM	EQ	B6,B1,SC06	IF SM, -LM	CDCM	2626	A
48	CDCM	SX7	PCSTC	SET FOR SM, LM	CDCM	2627	A
49	CDCM	GT	B6,B1,SC06	IF SM, LM	CDCM	2628	A
50	CDCM				CDCM	2629	A
51	CDCM	*		IF *LM* BUT NOT *SM* WAS SELECTED, MOVE LOCAL MACRO ENTRIES	CDCM	2630	A
52							
53		0	1	2	3	4	5
54		1234567890123456789012345678901234567890123456789012345678901234567890					
55							
56							
57							
58							
59							
60							



## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CDCM

CDCM	*	DOWN OVER SYSTEM MACRO ENTRIES, AND SET TARGET LOCATION				CDCM	2631	A
CDCM	*	ACCORDINGLY.				CDCM	2632	A
CDCM						CDCM	2633	A
CDCM		SB7	PCSTC-PCSTB	(B7) = NUMBER OF LOCAL MACROS		CDCM	2634	A
CDCM		SX7	PCSTA+PCSTC-PCSTB			CDCM	2635	A
CDCM		ZR	B7,SC06	IF NO LOCAL MACRO ENTRIES		CDCM	2636	A
CDCM		SX2	PCSTB	FETCH ADDRESS = START OF LOCAL MACROS		CDCM	2637	A
CDCM		SX3	PCSTA	STORE ADDRESS = START OF SYSTEM MACROS		CDCM	2638	A
CDCM		MX0	-1			CDCM	2639	A
CDCM	SC05	SA4	X2	MOVE LOOP		CDCM	2640	A
CDCM		BX6	X4			CDCM	2641	A
CDCM		IX2	X2-X0	ADVANCE FETCH ADDRESS		CDCM	2642	A
CDCM		SA6	X3			CDCM	2643	A
CDCM		SB7	B7-B1			CDCM	2644	A
CDCM		IX3	X3-X0	ADVANCE STORE ADDRESS		CDCM	2645	A
CDCM		NZ	B7,SC05	LOOP		CDCM	2646	A
CDCM	SC06	SA7	PCSTT	SET TARGET LOCATION FOR INSTRUCTION TABLE		CDCM	2647	A
CDCM		EQ	SC0	RETURN		CDCM	2648	A
CDCM						CDCM	2649	A
CDCM	*	ERROR PROCESSING.				CDCM	2650	A
CDCM						CDCM	2651	A
CDCM	SC010	MESSAGE (=C/ CDCM ABORT - CONTROL STATEMENT ERROR/),,RCL				CDCM	2652	A
CDCM		ZR	B7,SC012	IF SYNTAX ERROR		CDCM	2653	A
CDCM		SB6	SC0ERR1	SET FOR APPROPRIATE 2ND MESSAGE		CDCM	2654	A
CDCM		EQ	B7,B1,SC011	IF MAIN PARAM NOT RECOGNIZED		CDCM	2655	A
CDCM		SB6	SC0ERR2	OPTION NOT RECOGNIZED		CDCM	2656	A
CDCM	SC011	MESSAGE B6,,RCL				CDCM	2657	A
CDCM	SC012	ABORT				CDCM	2658	A
CDCM						CDCM	2659	A
CDCM	*	*I* PARAMETER.				CDCM	2660	A
CDCM						CDCM	2661	A
CDCM	PR.I	NZ	X5,I.1	IF NAME SPECIFIED		CDCM	2662	A
CDCM		SA5	DEF.I	SET 2ND DEFAULT		CDCM	2663	A
CDCM	I.1	BX6	X5			CDCM	2664	A
CDCM		SA6	LFNI	SET INPUT FILE NAME		CDCM	2665	A
CDCM		EQ	L.1	GO TO COMMON CODE		CDCM	2666	A
CDCM						CDCM	2667	A
CDCM	DEF.I	DATA	0LCOMPILE	KEYWORD ONLY DEFAULT FOR INPUT FILE		CDCM	2668	A
CDCM						CDCM	2669	A
CDCM	*	*L* PARAMETER.				CDCM	2670	A
CDCM						CDCM	2671	A
CDCM	PR.L	ZR	X5,SC01	RETURN IF NAME NOT SPECIFIED		CDCM	2672	A
CDCM		BX6	X5			CDCM	2673	A
CDCM		SA6	LFNL	SET OUTPUT FILE NAME		CDCM	2674	A
CDCM		SX2	1R0	CHECK FOR L=0		CDCM	2675	A
CDCM		LX6	6			CDCM	2676	A
CDCM		BX6	X2-X6			CDCM	2677	A
CDCM		NZ	X6,L.1	IF NOT L=0		CDCM	2678	A
CDCM		MX7	0			CDCM	2679	A
CDCM		SA7	A6	ZERO OUTPUT FILE NAME		CDCM	2680	A
CDCM		EQ	SC01			CDCM	2681	A
CDCM						CDCM	2682	A

0 1 2 3 4 5 6 7 8  
123456789012345678901234567890123456789012345678901234567890

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CDCM

CDCM	L.1	SB7	B0	SET FOR SYNTAX ERROR	CDCM	2683	A
CDCM		SX4	X5		CDCM	2684	A
CDCM		NZ	X4,SC010	IF NAME NOT FOLLOWED BY , . ( )	CDCM	2685	A
CDCM		BX1	X0*X5		CDCM	2686	A
CDCM		RJ	CFN	CHECK FOR VALID FILE NAME	CDCM	2687	A
CDCM		NZ	X6,SC010	IF FILE NAME BAD	CDCM	2688	A
CDCM		EQ	SC01	RETURN TO MAIN LOOP	CDCM	2689	A
CDCM					CDCM	2690	A
CDCM	*		*LO*	PARAMETER.	CDCM	2691	A
CDCM					CDCM	2692	A
CDCM	PR.L0	ZR	X5,SC01	RETURN IF OPTION NOT SPECIFIED	CDCM	2693	A
CDCM		SB7	B0	SET FOR SYNTAX ERROR	CDCM	2694	A
CDCM		SX4	X5		CDCM	2695	A
CDCM		NZ	X4,SC010	IF OPTION NOT FOLLOWED BY , . ( )	CDCM	2696	A
CDCM		SA1	LSTL0		CDCM	2697	A
CDCM	LO.1	BX2	X1-X5		CDCM	2698	A
CDCM		ZR	X1,S0.8	IF ILLEGAL OPTION	CDCM	2699	A
CDCM		SX7	X1	OPTION VALUE	CDCM	2700	A
CDCM		BX2	X0*X2		CDCM	2701	A
CDCM		SA1	A1+B1	NEXT ENTRY	CDCM	2702	A
CDCM		NZ	X2,L0.1	LOOP	CDCM	2703	A
CDCM		SA7	L0OPT	SET *LO* OPTION	CDCM	2704	A
CDCM		EQ	SC01	RETURN TO MAIN ROUTINE	CDCM	2705	A
CDCM					CDCM	2706	A
CDCM	*		*PL*	PARAMETER.	CDCM	2707	A
CDCM					CDCM	2708	A
CDCM	PR.PL	ZR	X5,SC01	RETURN IF NO VALUE SPECIFIED	CDCM	2709	A
CDCM		SB7	B0	SET FOR SYNTAX ERROR	CDCM	2710	A
CDCM		SX4	X5		CDCM	2711	A
CDCM		NZ	X4,SC010	IF VALUE NOT FOLLOWED BY , . ( )	CDCM	2712	A
CDCM		SB7	B1	SPECIFY DECIMAL	CDCM	2713	A
CDCM		SB6	B2	SAVE B2	CDCM	2714	A
CDCM		RJ	=XDXB=	CONVERT DISPLAY CODE TO BINARY	CDCM	2715	A
CDCM		SB7	B0	SET FOR SYNTAX ERROR	CDCM	2716	A
CDCM		MX0	42	RESTORE X0	CDCM	2717	A
CDCM		SB2	B6	RESTORE B2	CDCM	2718	A
CDCM		NZ	X4,SC010	IF ERROR	CDCM	2719	A
CDCM		SA6	PRINTL	SAVE PRINT LIMIT VALUE	CDCM	2720	A
CDCM		EQ	SC01	RETURN TO MAIN ROUTINE	CDCM	2721	A
CDCM					CDCM	2722	A
CDCM	*		*S0*	PARAMETER.	CDCM	2723	A
CDCM					CDCM	2724	A
CDCM	PR.S0	SA3	LSTS0	SET UP ALL 2ND DEFAULT VALUES	CDCM	2725	A
CDCM	S0.0	SA4	A3+B1	WORD 2 OF TABLE ENTRY	CDCM	2726	A
CDCM		ZR	X3,S0.1	IF END OF TABLE	CDCM	2727	A
CDCM		LX4	30	FETCH 2ND DEFAULT VALUE	CDCM	2728	A
CDCM		SX7	X4		CDCM	2729	A
CDCM		SA7	X3		CDCM	2730	A
CDCM		SA3	A4+B1		CDCM	2731	A
CDCM		EQ	S0.0	LOOP	CDCM	2732	A
CDCM					CDCM	2733	A
CDCM	S0.1	ZR	X5,SC01	RETURN IF NO OPTIONS SELECTED	CDCM	2734	A

0 1 2 3 4 5 6 7 8  
123456789012345678901234567890123456789012345678901234567890

## 14121HE

76	1
77	

0	1	2	3	4	5	6	7	8
12345678901	23456789012	34567890123	45678901234	56789012345	67890123456	78901234567	89012345678	90123456789

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CDCM

	CDCM	*	EXIT	- (X6) = 0	IF NAME VALID.	CDCM	2787	A
1	CDCM	*			NZ IF NAME NOT VALID.	CDCM	2788	A
2	CDCM	*	USES	- X2, X3, X4, X6.		CDCM	2789	A
3	CDCM					CDCM	2790	A
4	CDCM					CDCM	2791	A
5	CDCM	CFN	EQ	++1S17	ENTRY / EXIT	CDCM	2792	A
6	CDCM		SX6	1RZ+1	PRESET ERROR RETURN AND ALLOW ONLY A - Z	CDCM	2793	A
7	CDCM		SX2	X1	FOR FIRST CHAR	CDCM	2794	A
8	CDCM		MX3	-6	CHAR MASK	CDCM	2795	A
9	CDCM		ZR	X1,CFN	IF ZERO NAME	CDCM	2796	A
10	CDCM		NZ	X2,CFN	ERROR IF MORE THAN 7 CHARS	CDCM	2797	A
11	CDCM		BX2	X1		CDCM	2798	A
12	CDCM	CFN1	LX2	6	LOOK AT NEXT CHAR	CDCM	2799	A
13	CDCM		BX4	-X3*X2		CDCM	2800	A
14	CDCM		ZR	X4,CFN2	IF NO MORE CHARS	CDCM	2801	A
15	CDCM		IX4	X4-X6	CHECK 1ST CHAR ALPHA, REMAINING ALPHANUM	CDCM	2802	A
16	CDCM		PL	X4,CFN	IF	CDCM	2803	A
17	CDCM		SX6	1R+	ALLOW A - 9 FOR REMAINING CHARS	CDCM	2804	A
18	CDCM		EQ	CFN1	LOOP	CDCM	2805	A
19	CDCM					CDCM	2806	A
20	CDCM	CFN2	MX6	0	NORMAL RETURN	CDCM	2807	A
21	CDCM		EQ	CFN		CDCM	2808	A
22	CDCM	SCO			TITLE CONTROL STATEMENT PARAMETER LISTS.	CDCM	2809	A
23	CDCM	**			CONTROL STATEMENT TABLES AND VALUES.	CDCM	2810	A
24	CDCM	*				CDCM	2811	A
25	CDCM	*			ARGUMENTS ARE FETCHED FROM RA+70FF BY *UPC=*	CDCM	2812	A
26	CDCM	*				CDCM	2813	A
27	CDCM	ARGLSTL	EQU	30B	LENGTH OF ARGUMENT LIST	CDCM	2814	A
28	CDCM	ARGLST	BSS	ARGLSTL	ARGUMENT LIST FORMED BY *UPC=*	CDCM	2815	A
29	CDCM					CDCM	2816	A
30	CDCM	**			THE MAIN PARAMETER TABLE CONSISTS OF ONE-WORD ENTRIES AND IS	CDCM	2817	A
31	CDCM	*			TERMINATED BY A ZERO WORD. ENTRY FORMAT IS AS FOLLOWS:	CDCM	2818	A
32	CDCM	*				CDCM	2819	A
33	CDCM	*	VFD	42/PAR,18/PADR		CDCM	2820	A
34	CDCM	*				CDCM	2821	A
35	CDCM	*	WHERE	PAR	= PARAMETER NAME (1-7 CHARS IN LENGTH, LEFT	CDCM	2822	A
36	CDCM	*			JUSTIFIED ZERO FILL).	CDCM	2823	A
37	CDCM	*			PADR = ADDRESS OF PROCESSOR.	CDCM	2824	A
38	CDCM					CDCM	2825	A
39	CDCM					CDCM	2826	A
40	CDCM	PARAMS	VFD	42/0LI,18/PR.I	I - INPUT FILE	CDCM	2827	A
41	CDCM		VFD	42/0LL,18/PR.L	L - LIST FILE	CDCM	2828	A
42	CDCM		VFD	42/0LLO,18/PR.LO	LO - LIST OPTIONS	CDCM	2829	A
43	CDCM		VFD	42/0LPL,18/PR.PL	PL - PRINT LIMIT	CDCM	2830	A
44	CDCM		VFD	42/0LSO,18/PR.SO	SO - SCANNING OPTIONS	CDCM	2831	A
45	CDCM		VFD	60/0	END OF LIST	CDCM	2832	A
46	CDCM					CDCM	2833	A
47	CDCM	**			TABLE OF OPTIONS FOR THE *LO* PARAMETER. CONSISTS OF ONE-WORD	CDCM	2834	A
48	CDCM	*			ENTRIES AND IS TERMINATED BY A ZERO WORD.	CDCM	2835	A
49	CDCM	*				CDCM	2836	A
50	CDCM	*	VFD	42/OPT,18/VAL		CDCM	2837	A
51	CDCM	*				CDCM	2838	A
52								
53		0	1	2	3	4	5	6
54		1234567890123456789012345678901234567890123456789012345678901234567890						
55								
56								
57								
58								
59								
60								

## LIST OF CONTROL, ACTIVE, AND/OR INACTIVE CARDS IN CDCM

CDCM \* WHERE OPT = NAME OF OPTION.  
CDCM \* VAL = VALUE OF OPTION.  
CDCM  
CDCM  
CDCM LSTLO VFD 42/0LA,18/0 LO=A  
CDCM VFD 42/0LS,18/1 LO=S  
CDCM CON 0 END OF TABLE  
CDCM  
CDCM \*\* TABLE OF OPTIONS FOR THE \*SO\* PARAMETER. CONSISTS OF TWO-WORD  
CDCM \* ENTRIES AND IS TERMINATED BY A ZERO WORD. THE SECOND DEFAULT  
CDCM \* AND THE INITIAL VALUES FOR ALL OPTIONS ARE SET FROM THE 2ND  
CDCM \* WORD OF EACH ENTRY.  
CDCM \* VFD 42/OPT,18/ADRS  
CDCM \* VFD 30/DEF2,30,IV  
CDCM \*  
CDCM \* WHERE OPT = NAME OF OPTION  
CDCM \* ADRS = ADDRESS TO STORE VALUE  
CDCM \* DEF2 = 2ND DEFAULT  
CDCM \* IV = INITIAL VALUE  
CDCM  
CDCM LSTSO VFD 42/0LJP,18/SO.JP SO=JP  
CDCM VFD 30/1,30/1  
CDCM VFD 42/0LSM,18/SO.SM SO=SM  
CDCM VFD 30/1,30/1  
CDCM VFD 42/0LLM,18/SO.LM SO=LM  
CDCM VFD 30/1,30/0  
CDCM CON 0 END OF TABLE  
CDCM ZEROVAL VFD 6/1H0,48/0,6/1H/ ZERO SPECIFICATION IN OPTION LIST  
CDCM  
CDCM SCOERR1 DATA C\* UNRECOGNIZABLE\*  
CDCM SCOERR2 DATA C\* UNKNOWN OPTION\*  
CDCM  
CDCM END CDCM

CDCM 2839 A  
CDCM 2840 A  
CDCM 2841 A  
CDCM 2842 A  
CDCM 2843 A  
CDCM 2844 A  
CDCM 2845 A  
CDCM 2846 A  
CDCM 2847 A  
CDCM 2848 A  
CDCM 2849 A  
CDCM 2850 A  
CDCM 2851 A  
CDCM 2852 A  
CDCM 2853 A  
CDCM 2854 A  
CDCM 2855 A  
CDCM 2856 A  
CDCM 2857 A  
CDCM 2858 A  
CDCM 2859 A  
CDCM 2860 A  
CDCM 2861 A  
CDCM 2862 A  
CDCM 2863 A  
CDCM 2864 A  
CDCM 2865 A  
CDCM 2866 A  
CDCM 2867 A  
CDCM 2868 A  
CDCM 2869 A  
CDCM 2870 A  
CDCM 2871 A  
CDCM 2872 A

## SUMMARY OF UPDATE IDENTIFIERS WITHIN DECK - CDCM

IDENTIFIER	TOTAL	ACTIVE
CDCM	2872	2872

0	1	2	3	4	5	6	7	8
1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890

## SUMMARY OF UPDATE IDENTIFIERS WITHIN DECK - TOTALS

IDENTIFIER	TOTAL	ACTIVE
YANK\$\$\$	0	0
COMPASS	19152	13638
SCP05	0	0
CPC1	0	0
MCPC1	0	0
CCI01	0	0
COPE1	0	0



CSRT1	0	0
CPC2	0	0
CMP1	54	28
CMP3	3	0
CP13226	6	4
CMP4	5	1
CMP5	14	12
CMP6	82	75
CMP7	18	14
CMP8	21	2
CMP9	52	52
CMP10	22	21
CMP11	12	5
CMP12	41	31
CMP13	4	0
CP12752	3	3
CMP5A	17	10
CMP14	674	494
CMP15	34	10
CMP16	6	0
CMP17	248	224
CMP18	144	111
CMP19	399	342
CMP20	383	241
CMP21	3	2
COMTEXT	12	0
CMP22	12	12
CMP24	585	493
CMP25	80	44
CMP26	48	38
CMP27	36	23
CMP28	10	10
CMP17A	6	4
CMP029	198	139
CMP029A	2	2
CMP030	22	18
CMP031	12	0
CMP034	55	0
CMP039	5	5
CMP041	52	49
CMP042	335	243
CMP64G	555	496
CMP043	156	111
CPC30	0	0
COMPCOM	622	497
CMP30	6934	4999
CMP30A	1	0
CPS001	0	0
CPS002	69	68
CPS003	3	3
CPS004	93	93
CPS005	30	29
CMP036	41	41
CMP054	7	6
CMP057	2	2
CMP069	12	12
CMP085	1	1
CWEOR	2	2

	CMP052	7	7
	CMP109	1	1
	CMP136	58	58
	CPS005A	3	3
1	CPS008	8	8
2	CPS009	6	6
3	CPS010	145	93
4	CPS011	93	77
5	CPS012	71	70
6	CPS020	2	0
7	CPS028	752	465
8	CMP165	239	239
9	CMP051	2	2
10	CMP064	6	6
11	CMP162	1	1
12	L376F	0	0
13	CPS038	2	2
14	CPS047	6	5
15	CMP111	14	14
16	HISTORY	3	3
17	L380	0	0
18	CMP146	43	43
19	CPS026	62	61
20	CPS032	3	3
21	CPS052	3	3
22	CPS056	2	0
23	CPS061	10	8
24	CPS062	38	38
25	CPS063	2	2
26	CPS064	1909	1847
27	CMP146A	2	2
28	L383	1	1
29	CMP149	2	2
30	CPS057	2	1
31	CPS066	7	7
32	CPS069	24	24
33	CPS073	20	20
34	L383F	1	1
35	L386	1	1
36	L393	1	1
37	L397	1	1
38	CP114	54	45
39	L401	1	1
40	L406	1	1
41	CPSCPRT	8	6
42	CP096A	510	498
43	L410	1	1
44	CPS106	7	7
45	CPS110	6	6
46	CPS112	5	5
47	L414	1	1
48	S3143CP	17	11
49	*L420*	1	1
50	CPS*76	6	4
51	CP139CP	166	148
52	CP147	529	493
53	CP154	55	55
54	CPS085	21	21

	*L428*	1	1	
	CPS126	5	5	
	CPS127	10	10	
	CPS130	4	4	
1	CPS135	12	12	1
2	CPS141	7	4	2
3	*L433*	1	1	3
4	*L439*	1	1	4
5	CPS150	4	4	5
6	CPS153	5	4	6
7	*L446*	1	1	7
8	CPS*77	5	3	8
9	CPSVER34	4	3	9
10	CP161CP	6	5	10
11	F7540CP	144	6	11
12	F7820CP	6	6	12
13	CPS146	5	5	13
14	CPS167	7	3	14
15	*L452*	1	1	15
16	CPS118X	20	20	16
17	CPS173	23	23	17
18	*L460*	1	1	18
19	CPS076X	12	5	19
20	CPS144	19	19	20
21	CPS147X	11	11	21
22	CPS151	13	13	22
23	CPS161	6	4	23
24	CPS164X	7	7	24
25	CPS172	28	28	25
26	CPS176	15	12	26
27	*L470*	1	1	27
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29	COMCARG	131	131	29
30	COMCCDD	64	64	30
31	COMCCFD	95	77	31
32	COMCCIO	118	112	32
33	COMCCOD	57	57	33
34	COMCCPT	78	77	34
35	COMCDXB	115	109	35
36	COMCMTM	142	142	36
37	COMCMTP	511	508	37
38	COMCMVE	229	224	38
39	COMCRDC	111	109	39
40	COMCRDH	148	146	40
41	COMCRDO	98	95	41
42	COMCRDS	184	180	42
43	COMCRDW	431	421	43
44	COMCRSR	166	166	44
45	COMCSFN	54	54	45
46	COMCSRT	325	303	46
47	COMCSST	70	70	47
48	COMCSTF	51	47	48
49	COMCSVR	176	176	49
50	COMCSYS	174	168	50
51	COMCUPC	121	121	51
52	COMCWOD	77	77	52
53	COMCWTC	75	74	53
54	COMCWTH	128	125	54
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	COMCWTS	179	174
	COMCWTW	368	362
	COMCXJR	74	74
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2	CPUREL	232	216
3	CALLCPU	56	56
4	FEAT184N	61	59
5	FEAT184NA	7	7
6	CPS*78	5	3
7	CPSA070	11	11
8	CPSA083	10	10
9	CPSA096	10	10
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12	CPSA094	11	11
13	CPS168	7	7
14	CPSA104	51	50
15	CPSA107	8	8
16	*L477*	1	1
17	CPSA106	8	8
18	CPS188	5	5
19	CPS192	7	7
20	CPSA112	11	4
21	CPS198	7	7
22	*L485*	1	1
23	F4720A	61	58
24	F4720B	24	24
25	F4720C	446	442
26	F4720D	21	21
27	F4810A	362	226
28	F4810B	291	244
29	CPSA115	43	43
30	CPS202	7	7
31	CPSA117	6	6
32	CPSA119	5	5
33	CPSA123	7	7
34	CPSA125	73	54
35	CPSA126	42	42
36	*L498*	1	1
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38	CPSA129	12	12
39	CPSA133	6	6
40	CPSA138	22	18
41	*L505*	1	1
42	CPSA132	7	7
43	CPSA134	79	77
44	CPSA142	131	124
45	CPS186	5	5
46	CPS191	5	5
47	CPS213	15	15
48	CPS216	9	9
49	CPS218	11	11
50	CPS227	5	5
51	*L508*	1	1
52	CPSA141	16	16
53	CPSA163	8	8
54	CPSA168	21	19

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	CPS239	14	12	
	CPS243	5	5	
1	CPS247	10	5	1
2	CPSA158	5	5	2
3	CPSA161	6	6	3
4	CPS236	76	67	4
5	CPS240	21	19	5
6	CPS*80	5	3	6
7	CPSA159	0	0	7
8	*L518*	1	1	8
9	*L528*	1	1	9
10	CPS251	11	11	10
11	F4820	857	746	11
12	F4820A	63	63	12
13	RSM4159	50	50	13
14	F233CMU	158	158	14
15	SIE7969	7	7	15
16	CPSA116	8	8	16
17	CPSA140	12	12	17
18	CPSA148	10	10	18
19	CPSA169	6	6	19
20	CPS214	37	37	20
21	CPSA181	22	14	21
22	CPSA184	20	19	22
23	CPSA187	6	6	23
24	CPSA195	6	6	24
25	CPSA196	3	3	25
26	CPSA204	47	25	26
27	CPS232	8	8	27
28	CPS0253	17	17	28
29	CPS254	7	7	29
30	CPS0257	7	7	30
31	CPS258	39	39	31
32	CPS0263	5	5	32
33	CPS0267	8	8	33
34	*L538*	1	1	34
35	CPS*81	6	4	35
36	F4830CP	162	153	36
37	AIDTEXT	161	161	37
38	CPSA197	34	25	38
39	CPSA198	37	37	39
40	CPSA200	9	9	40
41	CPSA210	5	5	41
42	CPSA213	30	22	42
43	CPSA214	9	9	43
44	CPS0275	5	5	44
45	CPS0278	5	5	45
46	CPS0279	11	11	46
47	CPS0281	8	8	47
48	*L552*	1	1	48
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	CPSA229	15	15	
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2	CPSA246	29	29	2
3	CPS211	6	4	3
4	CPS0241	5	5	4
5	CPS0287	13	13	5
6	CPS0289	8	8	6
7	CPS0303	20	20	7
8	CPS0307	21	21	8
9	*L564*	1	1	9
10	CPS*82	5	5	10
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12	NADTEXT	265	265	12
13	CPSA227	22	22	13
14	CPSA233	8	8	14
15	CPSA234	10	10	15
16	CPSA235	7	7	16
17	CPSA236	6	6	17
18	CPSA240	9	9	18
19	CPSA241	9	9	19
20	CPSA242	142	141	20
21	CPSA243	35	35	21
22	CPSA244	28	28	22
23	CPSA245	220	220	23
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25	CPS0306	17	15	25
26	CPS0320	11	11	26
27	CPS0323	25	24	27
28	*L577*	1	1	28
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30	CPSA259	10	10	30
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32	CPS0325	6	6	32
33	CPS0338	11	11	33
34	CPS0340	18	18	34
35	CPS0343	19	19	35
36	CPS0345	17	14	36
37	*L587*	1	1	37
38	CPSA261	5	5	38
39	CPS2608	60	60	39
40	*L601*	1	1	40
41	CPSA265	145	139	41
42	COMCCPM	56	56	42
43	*L617*	1	1	43
44	CPSA266	11	11	44
45	*L628*	1	1	45
46	*L642*	1	1	46
47	CPSA274	15	15	47
48	CPS2627	12	11	48
49	CPS2628	9	9	49
50	*L650*	1	1	50
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52	CPSA281	500	471	52
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3	CPSA288	218	218	3
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5	CPSA292	7	7	5
6	CDCM	2872	2872	6
7	CDCMOPT	111	111	7
8	CWEOR2	2	2	8
9	CPSA293	90	90	9
10	CPSA295	11	11	10
11	CPSA297	58	58	11
12	CPSA300	6	6	12
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14	CPS2659	18	18	14
15	CPS2672	41	41	15
16	*L688*	1	1	16
17	*L716*	1	1	17
18	CPS2660	15	15	18
19	*L739*	1	1	19
20	CPSA291	14	14	20
21	CPSA305	19	19	21
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23	CPS0328	9	9	23
24	*L780*	1	1	24
25	*L797*	1	1	25
26	*L803*	1	1	26
27	*L826*	1	1	27
28	*L840*	1	1	28
29	*L847*	1	1	29
30	*L851*	1	1	30
31	*L859*	1	1	31
32	*L871*	1	1	32
33	PSRLEVEL	2	2	33
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