

```
CLEAR STORAGE 1      ,008015,022026,030037,044,049,053053N000000N00001026      1
CLEAR STORAGE 2      L068116,105106,110117B101/I9I#071029C029056B026/B001/0991,001/00111710?  2
BOOTSTRAP            ,008015,022029,036040,047054,061068,072/061039      ,0010011040      3
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FORTRAN COMPILER -- CONDENSED DECK PHASE 3 -- 60 PAGE 1

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
101				JOB	FORTRAN COMPILER -- CONDENSED DECK PHASE 3 -- 60						
102				CTL	6611						
103			*								
104			X1	EQU	89			0089			
105			X2	EQU	94			0094			
106			X3	EQU	99			0099			
107			*								
108			*		STUFF IN THE RESIDENT AREA						
109			*								
110			PHASID	EQU	110 PHASE ID, FOR SNAPSHOT DUMPS			0110			
111			NSTMTS	EQU	183 NUMBER OF STATEMENTS, INCLUDING GENERATED STOP			0183			
112			*		BEGINNING OF GENERATED CODE BY NOW.						
113			GLOBER	EQU	184 GLOBAL ERROR FLAG -- WM MEANS ERROR			0184			
114			ARYTOP	EQU	194 TOP OF ARRAYS IN OBJECT CODE			0194			
115			SNAPSH	EQU	333 CORE DUMP SNAPSHOT			0333			
116			CONDNS	EQU	693 P FOR CONDENSED DECK			0693			
117			FMTSW	EQU	696 X FOR NO FORMAT, L FOR LIMITED FORMAT			0696			
118			*		BLANK FOR ORDINARY, A FOR A CONVERSION						
119			LOADNX	EQU	700 LOAD NEXT OVERLAY			0700			
120			CLEARL	EQU	707 CS AT START OF OVERLAY LOADER			0707			
121			*								
122			*		RUNTIME ADDRESSES						
123			*								
124			FMTBAS	EQU	1697 BASE ADDRESS OF LIMITED AND NORMAL			1697			
125			LGM	EQU	2015 GMWM AT END OF LIMITED ROUTINE			2015			
126			NGM	EQU	4269 GMWM AT END OF NORMAL ROUTINE			4269			
127			FMTBAA	EQU	4280 BASE ADDRESS FOR A-CONVERSION			4280			
128			AGM	EQU	4616 GMWM AT END OF A-CONVERSION			4616			
129			*								
130				ORG	838			0838			
131	838		BEGINN	MCW	NSTMTS,X1 BEGINNING OF GENERATED CODE	7	0838	M 183 089			4
132	845		BCE		*&5,CONDNS,P	8	0845	B 857 693 P			4
133	853		B		DONE	4	0853	B U74			4
134	857		BW		DONE,GLOBER	8	0857	V U74 184 1			4
135	865	LOOP	SBR		PUEXIT&3,SETUP	7	0865	H /55 893			4
136	872		MCW		SETWMS-11,W7 ,040040	7	0872	M V10 V38			5
137	879		MCW		A146,X3	7	0879	M V25 099			5
138	886		MCW		LCA,140	7	0886	M V26 140			5
139	893	SETUP	CS		139	4	0893	/ 139			5
140	897		BCV		*&5	5	0897	B 906 @			5
141	902		B		*&3	4	0902	B 908			5
142	906		CC		1	2	0906	F 1			5
143	908		MCW		SETWMS,171	7	0908	M V21 171			6
144	915		SW		140	4	0915	, 140			6
145	919		CS		332	4	0919	/ 332			6
146	923		CS			1	0923	/			6
147	924		SW		101	4	0924	, 101			6

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
148		928		MCW	A001,X2	7		0928	M V29 094		6
149		935		MCW	K1,W1	7		0935	M V30 V31		6
150		942		MCW	W7,153	7		0942	M V38 153		7
151		949		BW	CWLOAD,FLAG	8		0949	V S91 V22 1		7
152		957	MORE	MN	0&X1,100&X2 MOVE A CHARACTER	7		0957	D 0 0 1!0		7
153		964		MZ	0&X1,100&X2 TO THE PUNCH AREA	7		0964	Y 0 0 1!0		7
154		971	CHKTOP	C	ARYTOP,X1	7		0971	C 194 089		7
155		978		BE	TOP	5		0978	B S04 S		8
156		983		SBR	X1,1&X1	7		0983	H 089 0 1		8
157		990		SBR	X2,1&X2	7		0990	H 094 0!1		8
158		997		BCE	ENDCOD,0&X1,] RIGHT BRACKET MEANS END OF CODE	8		0997	B S83 0 0]		8
159	1	005		BW	WM,0&X1	8		1005	V S15 0 0 1		8
160	1	013		C	A040,X2	7		1013	C V41 094		9
161	1	020		BL	MORE	5		1020	B 957 T		9
162	1	025		C	A160,X3	7		1025	C V44 099		9
163	1	032		BL	SETCW	5		1032	B /75 T		9
164	1	037		MCW	A040,167	7		1037	M V41 167		9
165	1	044		BH	*&8	5		1044	B 56 U		9
166	1	049		MCW	A040,164	7		1049	M V41 164		10
167	1	056		CW	140	4		1056) 140		10
168	1	060	SW	SW	0	4		1060	, 000		10
169	1	064		SBR	X2	4		1064	H 094		10
170	1	068		A	KM990,X2&1	7		1068	A V47 095		10
171	1	075		MCW	239,139 CLEAR PART OF CARD ABOVE LOADED CHARS	7		1075	M 239 139		10
172	1	082	SX1	SBR	X1,0	7		1082	H 089 000		11
173	1	089	PUNCH0	MCW	SETWMS-11,W7 ,040040	7		1089	M V10 V38		11
174	1	096		MCW	A146,X3	7		1096	M V25 099		11
175	1	103	PUNCH	A	K1,175 BUMP SEQUENCE NUMBER	7		1103	A V30 175		11
176	1	110		MN	0&X2	4		1110	D 0!0		11
177	1	114		SBR	143	4		1114	H 143		11
178	1	118		C	143,A000	7		1118	C 143 V50		12
179	1	125	PUEX1	BE	AFTARY V3M4	5		1125	B T48 S		12
180	1	130		MN	0&X1	4		1130	D 0 0		12
181	1	134		SBR	146	4		1134	H 146		12
182	1	138		LCA	180,280	7		1138	L 180 280		12
183	1	145		LCA		1		1145	L		12
184	1	146		LCA		1		1146	L		12
185	1	147		BSS	*&5,B	5		1147	B /56 B		13
186	1	152	PUEXIT	P	SETUP	4		1152	4 893		13
187	1	156		SW	PREXIT&1	4		1156	, /72		13
188	1	160		MCW	PUEXIT&3,PREXIT&3	7		1160	M /55 /74		13
189	1	167		CW	PREXIT&1	4		1167) /72		13
190	1	171	PREXIT	WP	SETUP	4		1171	6 893		13
191				*							
192				*	PUT A CW INSTRUCTION IN W7						
193				*							
194	1	175	SETCW	MCW	CW,W7-6	7		1175	M V51 V32		13
195	1	182		MCW	X1,W7	7		1182	M 089 V38		14
196	1	189		MCW	X1	4		1189	M 089		14
197	1	193		MCW	A153,X3	7		1193	M V54 099		14

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
198	1	200		B	PUNCH	4		1200	B /03		14
199			*								
200			*		GOT TO TOP OF ARRAYS						
201			*								
202	1	204	TOP	SBR	PUEXIT&3,AFTARY	7		1204	H /55 T48		14
203	1	211		B	PUNCH	4		1211	B /03		14
204			*								
205			*		FOUND WM						
206			*								
207	1	215	WM	MCW	X1,SX1&6	7		1215	M 089 88		15
208	1	222		SBR	SW&3,100&X2	7		1222	H 63 1!0		15
209	1	229		C	A040,X2	7		1229	C V41 094		15
210	1	236		BE	PUNCH0	5		1236	B 89 S		15
211	1	241		C	A167,X3	7		1241	C V57 099		15
212	1	248		BE	PUNCH0	5		1248	B 89 S		15
213	1	253		SBR	X3,3&X3	7		1253	H 099 0?3		16
214	1	260		ZS	W1	4		1260	! V31		16
215	1	264		BM	BUMPX3,W1	8		1264	V T37 V31 K		16
216	1	272	WM2	MCW	X1,0&X3	7		1272	M 089 0?0		16
217	1	279		B	MORE	4		1279	B 957		16
218			*								
219			*		SAW A RIGHT BRACKET -- END OF CODE						
220			*								
221	1	283	ENDCOD	SW	FLAG	4		1283	, V22		16
222	1	287		B	PUNCH0	4		1287	B 89		16
223			*								
224			*		SET A CW INSTRUCTION IN THE LOAD AREA						
225			*								
226	1	291	CWLOAD	CW	FLAG	4		1291) V22		17
227	1	295		MCM	0&X1	4		1295	P 0 0		17
228	1	299		SBR	X1	4		1299	H 089		17
229	1	303		BW	MORE,0&X1	8		1303	V 957 0 0 1		17
230	1	311		MCW	X1,153	7		1311	M 089 153		17
231	1	318		MCW	X1	4		1318	M 089		17
232	1	322		MCW	CW	4		1322	M V51		17
233	1	326		MCW	A153,X3	7		1326	M V54 099		18
234	1	333		B	MORE	4		1333	B 957		18
235			*								
236	1	337	BUMPX3	SBR	X3,1&X3	7		1337	H 099 0?1		18
237	1	344		B	WM2	4		1344	B S72		18
238			*								
239			*		AFTER THE ARRAYS						
240			*								
241	1	348	AFTARY	SBR	X1,FMTBAS	7		1348	H 089 W97		18
242	1	355		BCE	XFMT,FMTSW,X NO FORMAT ROUTINE	8		1355	B U26 696 X		18
243	1	363		BCE	LFMT,FMTSW,L LIMITED FORMAT ROUTINE	8		1363	B U04 696 L		19
244	1	371		BCE	AFMT,FMTSW,A A-CONVERSION FORMAT	8		1371	B U15 696 A		19
245	1	379	SETCHK	SBR	CHKTOP&3,USRBAS NORMAL FORMAT	7		1379	H 974 V03		19
246	1	386		SBR	PUEX1&3,XFMT	7		1386	H /28 U26		19
247	1	393		SBR	TOP&6,XFMT	7		1393	H S10 U26		19

V3M4

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
248	1	400		B	LOOP	4		1400	B 865		20
249	1	404	LFMT	SBR	USRBAS,LGM&1 AFTER LIMITED FORMAT	7		1404	H V03 !16		20
250	1	411		B	SETCHK	4		1411	B T79		20
251	1	415	AFMT	SBR	USRBAS,AGM&1 AFTER A CONVERSION	7		1415	H V03 61X		20
252	1	422		B	SETCHK	4		1422	B T79		20
253	1	426	XFMT	CS	171	4		1426	/ 171		20
254	1	430		MCW	A080,146	7		1430	M V60 146		20
255	1	437		MCW	NSTMTS	4		1437	M 183		21
256	1	441		LCA	CS	4		1441	L V61		21
257	1	445		A	K1,175	7		1445	A V30 175		21
258	1	452		LCA	180,280	7		1452	L 180 280		21
259	1	459		LCA		1		1459	L		21
260	1	460		CS		1		1460	/		21
261	1	461		BSS	PRINT,B	5		1461	B U97 B		21
262	1	466		P		1		1466	4		22
263	1	467	LASTCD	CS	180	4		1467	/ 180		22
264	1	471		P		1		1471	4		22
265	1	472		SS	8	2		1472	K 8		22
266	1	474	DONE	BSS	SNAPSH,C	5		1474	B 333 C		22
267	1	479		SBR	CLEARL&3,GMWM	7		1479	H 710 V73		22
268	1	486		LCA	GAUX1,PHASID	7		1486	L V69 110		22
269	1	493		B	LOADNX	4		1493	B 700		23
270	1	497	PRINT	WP	LASTCD	4		1497	6 U67		23
271			*								
272			* DATA								
273			*								
274	1	503	USRBAS	DSA	FMTBAA BASE ADDRESS OF USER CODE	3		1503	28		23
275	1	521	SETWMS	DCW	@,040040,0400401040@	18		1521			23
276	1	522	FLAG	DC	#1	1		1522			23
277	1	525	A146	DSA	146	3		1525	146		23
278	1	526	LCA	LCA		1		1526	L		23
279	1	529	A001	DSA	1	3		1529	001		23
280	1	530	K1	DCW	1	1		1530			24
281	1	531	W1	DCW	#1	1		1531			24
282	1	538	W7	DCW	#7	7		1538			24
283	1	541	A040	DSA	40	3		1541	040		24
284	1	544	A160	DSA	160	3		1544	160		24
285	1	547	KM990	DCW	-990	3		1547			24
286	1	550	A000	DSA	0	3		1550	000		24
287	1	551	CW	CW		1		1551)		25
288	1	554	A153	DSA	153	3		1554	153		25
289	1	557	A167	DSA	167	3		1557	167		25
290	1	560	A080	DSA	80	3		1560	080		25
291	1	561	CS	CS		1		1561	/		25
292	1	569	GAUX1	DCW	@GAUX ONE@	8		1569			25
293	1	572		DSA	3999	3		1572	I99		25
294	1	573	GMWM	DCW	@}@	1		1573		GMARK	26
295			EX	BEGINN					B 838		27
296			END						/ 000 080		

