

```
CLEAR STORAGE 1 ,008015,022026,030037,044,049,053053N000000N00001026 1
CLEAR STORAGE 2 L068116,105106,110117B101/I9I#071029C029056B026/B001/0991,001/001117I0? 2
BOOTSTRAP ,008015,022029,036040,047054,061068,072/061039 ,0010011040 3
```

FORTRAN COMPILER -- STOP/PAUSE PHASE -- PHASE 42 PAGE 1

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
101				JOB	FORTRAN COMPILER -- STOP/PAUSE PHASE -- PHASE 42						
102				CTL	6611						
103				*							
104				*	THE PROPER INSTRUCTIONS TO						
105				*	1. HALT						
106				*	2. HALT, CONTINUE, AND DISPLAY THE NUMBER INDICATED						
107				*	ARE GENERATED IN-LINE						
108				*							
109				X1	EQU 89			0089			
110				X2	EQU 94			0094			
111				X3	EQU 99			0099			
112				*							
113				*	STUFF IN THE RESIDENT AREA						
114				*							
115				PHASID	EQU 110 PHASE ID, FOR SNAPSHOT DUMPS			0110			
116				SNAPSH	EQU 333 CORE DUMP SNAPSHOT			0333			
117				LOADNX	EQU 700 LOAD NEXT OVERLAY			0700			
118				CLEARL	EQU 707 CS AT START OF OVERLAY LOADER			0707			
119				CDOVLY	EQU 769 1 IF RUNNING FROM CARDS, N IF FROM TAPE			0769			
120				*							
121				ORG	838			0838			
122				LOADDD	EQU *%1 LOAD ADDRESS			0838			
123	838			BEGINN	CS 299	4	0838	/ 299			4
124	842			LOOP	BCE DONE,0&X1,	8	0842	B 873 0 0			4
125	850			MCW	0&X1,CODSEQ	7	0850	M 0 0 W02			4
126	857			BCE	STOPPZ,CODSEQ-3,A PAUSE STATEMENT?	8	0857	B 896 V99 A			4
127	865			BCE	STOPPZ,CODSEQ-3,S STOP STATEMENT?	8	0865	B 896 V99 S			4
128	873			DONE	BSS SNAPSH,C	5	0873	B 333 C			5
129	878			SBR	CLEARL&3,GMWM	7	0878	H 710 W61			5
130	885			LCA	LIGHT,PHASID	7	0885	L W07 110			5
131	892			B	LOADNX	4	0892	B 700			5
132				*							
133				*	STOP OR PAUSE STATEMENT						
134				*							
135	896			STOPPZ	MCW KLESS,2&X1	7	0896	M W08 0 2			5
136	903			SBR	TSTLES&6,2&X1	7	0903	H S58 0 2			5
137	910			LCA	0&X1,0&X3 SEQNO, CODE, GMWM	7	0910	L 0 0 0?0			6
138	917			SAR	X1	4	0917	Q 089			6
139	921			C	0&X3	4	0921	C 0?0			6
140	925			SAR	X3	4	0925	Q 099			6
141	929			LCA	1&X3,2&X3 CLOBBER STATEMENT CODE WITH GMWM	7	0929	L 0?1 0?2			6
142	936			SBR	X3	4	0936	H 099			6
143	940			BCE	NOCODE,0&X1,}	8	0940	B  69 0 0 } GMARK			6
144	948			CS	WORK	4	0948	/ V98			7
145	952			MN	WRKBOT	4	0952	D V00			7
146	956			MN		1	0956	D			7
147	957			SAR	X2	4	0957	Q 094			7

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
148		961		SBR	X1,0&X1		7	0961	H 089 0 0		7
149			*								
150			* MOVE THE		STOP CODE INTO THE WORK AREA						
151			*								
152		968	MOVCOD	MCW	0&X1,W1	7	0968	M 0 0 W09			7
153		975		SAR	X1	4	0975	Q 089			7
154		979		BW	GOTWM,1&X1	8	0979	V  02 0 1 1			8
155		987		MCW	W1,2&X2	7	0987	M W09 0 2			8
156		994		SBR	X2	4	0994	H 094			8
157		998		B	MOVCOD	4	0998	B 968			8
158			*								
159	1	002	GOTWM	SW	WRKBOT	4	1002	, V00			8
160	1	006		BCE	TWOTST,WRKBOT&3, ONE, TWO OR THREE DIGITS?	8	1006	B  42 V03			8
161	1	014		MCW	ERR35,222	7	1014	M T15 222			9
162	1	021		MCW	MSG,247	7	1021	M T33 247			9
163	1	028		MCW	WRKBOT&4,228	7	1028	M V04 228			9
164	1	035		MCW	WRKBOT&2,251	7	1035	M V02 251			9
165	1	042	TWOTST	BCE	TWODIG,WRKBOT&2, ONE OR TWO DIGITS?	8	1042	B  54 V02			9
166	1	050		B	GOTCOD	4	1050	B  84			10
167	1	054	TWODIG	MCW	WRKBOT&1,WRKBOT&2	7	1054	M V01 V02			10
168	1	061		MCW	K0	4	1061	M W10			10
169	1	065		B	TWOTST	4	1065	B  42			10
170	1	069	NOCODE	LCA	K000,WRKBOT&2 USE 000 FOR HALT CODE	7	1069	L W13 V02			10
171	1	076		C	0&X1	4	1076	C 0 0			10
172	1	080		SAR	X1	4	1080	Q 089			10
173	1	084	GOTCOD	MCW	WRKBOT&2,W3	7	1084	M V02 W16			11
174	1	091		A	K0,WRKBOT&3	7	1091	A W10 V03			11
175	1	098		C	WRKBOT&2,W3 CODE IS NUMERIC?	7	1098	C V02 W16			11
176	1	105		BE	NOZONE YES	5	1105	B /70 S			11
177	1	110		BCE	NOTYET,201, SHOWED A MESSAGE YET?	8	1110	B /31 201			11
178	1	118	CLRCOD	MZ	K3B,251 CLEAR THE CODE IN THE MESSAGE	7	1118	Y W19 251			12
179	1	125		MZ		1	1125	Y			12
180	1	126		MZ		1	1126	Y			12
181	1	127		B	NOZONE	4	1127	B /70			12
182	1	131	NOTYET	MCW	ERR35,222	7	1131	M T15 222			12
183	1	138		MCW	MSG,247	7	1138	M T33 247			12
184	1	145		MCW	WRKBOT&2,226	7	1145	M V02 226			12
185	1	152		MCW	WRKBOT&2,251	7	1152	M V02 251			13
186	1	159		MCW	K3B-2,223	7	1159	M W17 223			13
187	1	166		B	CLRCOD	4	1166	B /18			13
188	1	170	NOZONE	BCE	NOMSG,201,	8	1170	B /94 201			13
189	1	178		W		1	1178	2			13
190	1	179		BCV	*&5	5	1179	B /88 @			13
191	1	184		B	*&3	4	1184	B /90			13
192	1	188		CC	1	2	1188	F 1			14
193	1	190		CS	299	4	1190	/ 299			14
194	1	194	NOMSG	CW	WRKBOT	4	1194	) V00			14
195	1	198		BCE	PAUSE,CODSEQ-3,A	8	1198	B S33 V99 A			14
196	1	206		LCA	BRANCH&3,0&X3 BRANCH BACK TO NOP	7	1206	L W23 0?0			14
197	1	213		LCA	HALTOP HALT	4	1213	L W24			14

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
198	1	217		LCA	WRKBOT&2		4	1217	L V02		14
199	1	221		LCA	1&X1		4	1221	L 0 1		15
200	1	225		SBR	X3		4	1225	H 099		15
201	1	229		B	TSTLES		4	1229	B S52		15
202	1	233	PAUSE	LCA	HALTOP,0&X3	HALT	7	1233	L W24 0?0		15
203	1	240		LCA	WRKBOT&2	NOP WITH STOP CODE	4	1240	L V02		15
204	1	244		LCA	1&X1	GMWM	4	1244	L 0 1		15
205	1	248		SBR	X3		4	1248	H 099		15
206	1	252	TSTLES	BCE	LOOP,0,<	NOT TOO BIG IF LESS-THAN NOT CLOBBERED	8	1252	B 842 000 <		16
207	1	260		CS	332		4	1260	/ 332		16
208	1	264		CS			1	1264	/		16
209	1	265		CC	1		2	1265	F 1		16
210	1	267		MCW	ERROR2,270		7	1267	M W60 270		16
211	1	274		W			1	1274	2		16
212	1	275		CC	1		2	1275	F 1		16
213	1	277		BCE	HALT,CDOVLY,1		8	1277	B S90 769 1		17
214	1	285		RWD	1		5	1285	U %U1 R		17
215	1	290	HALT	H	HALT		4	1290	. S90		17
216	1	315	ERR35	DCW	@ERROR 35 - HALT NUMBER@		22	1315			17
217	1	333	MSG	DCW	@TO BE DISPLAYED AS@		18	1333			18
218	1	364		DC	@	@	31	1364			19
219				ORG	1499				1499		
220	1	499		DCW	@N@		1	1499			20
221	1	500	WRKBOT	EQU	*&1			1500			
222	1	548		DC	@	@	49	1548			22
223				ORG	1599				1599		
224	1	598	WORK	EQU	*			1598			
225	1	602	CODSEQ	DCW	#4	STATEMENT CODE AND SEQUENCE NUMBER	4	1602			23
226	1	607	LIGHT	DCW	@LIGHT@		5	1607			23
227	1	608	KLESS	DCW	@<@		1	1608			23
228	1	609	W1	DCW	#1		1	1609			23
229	1	610	K0	DCW	0		1	1610			23
230	1	613	K000	DCW	000		3	1613			23
231	1	616	W3	DCW	#3		3	1616			23
232	1	619	K3B	DCW	#3		3	1619			24
233	1	620	BRANCH	B	15992&X3		4	1620	B IIB		24
234	1	624	HALTOP	H			1	1624	.		24
235	1	660	ERROR2	DCW	@MESSAGE 2 - OBJECT PROGRAM TOO LARGE@		36	1660			25
236	1	661	GMWM	DCW	@}@		1	1661		GMARK	25
237				ORG	201				0201		
238		203		DSA	LOADDD	LOAD ADDRESS FOR CARD-TO-TAPE PROGRAM	3	0203	838		26
239				EX	BEGINN				B 838		27
240				END					/ 000 080		

SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS
BEGINN	838	BRANCH	1620	CDOVLY	769	CLEARL	707	CLRCOD	1118	CODSEQ	1602	DONE	873
ERR35	1315	ERROR2	1660	GMWM	1661	GOTCOD	1084	GOTWM	1002	HALT	1290	HALTOP	1624
K0	1610	K000	1613	K3B	1619	KLESS	1608	LIGHT	1607	LOADDD	838	LOADNX	700
LOOP	842	MOVCOD	968	MSG	1333	NOCODE	1069	NOMSG	1194	NOTYET	1131	NOZONE	1170
PAUSE	1233	PHASID	110	SNAPSH	333	STOPPZ	896	TSTLES	1252	TWODIG	1054	TWOTST	1042
W1	1609	W3	1616	WORK	1598	WRKBOT	1500	X1	89	X2	94	X3	99