

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
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			*										
116				EXT00	SNAPSH, LOADNX, CDOVLY					MACRO			
117			SNAPSH	EQU	333				0333	GEN			
118			PHASLD	EQU	381				0381	GEN			
119			SNAPEX	EQU	564				0564	GEN			
120			LOADNX	EQU	700				0700	GEN			
121			CDOVLY	EQU	700				0700	GEN			
122			TPREAD	EQU	704				0704	GEN			
123			TPERR	EQU	728				0728	GEN			
124			*										
125				EXT03	START, TOP OF PHASE 3					MACRO			
126			BEGIN3	EQU	838				0838	GEN			
127			TOP3	EQU	2600				2600	GEN			
128			*										
129			PHAS42	LDPH	STOP/PAUSE,LOADAD,BEGN42,,,42					MACRO			
			*	PHAZ	LDPH [PHASID],LOADAD,ENTAD[,SKIPFG,SKIP],[NUMBER][,HALT]					GEN			
			*	XFR	PHASZ PROHIBITED IN A MACRO					GEN			
			*							GEN			
			*	LOAD	A BLOCK					GEN			
			*							GEN			
130			)6J003	EQU	110				0110	GEN			
131			)6K003	EQU	700				0700	GEN			
132			)6L003	EQU	704				0704	GEN			
133			)6M003	EQU	728				0728	GEN			
134				ORG	201								
135			PHAS42	BSS	)8J003,G								
136				NOF	TO PATCH IN TRAPS FOR DEBUGGING								
137			)0J003	EQU	*&1				0207	GEN			
138				LCA	)9J003,)6J003				7 0207	L 282 110	GEN	1	282 110
139				BCE	)1J003,)6K003,1				8 0214	B 250 700 1	GEN	1	250 700
140				BCE	)1J003,)6L003&4,0				8 0222	B 250 708 0	GEN	1	250 708
141				RTW	1,LOADAD				8 0230	L %U1 838 R	GEN	1	%U1 838
142				BER	)6M003				5 0238	B 728 L	GEN	2	728
143				CS	BEGN42,)9R003				7 0243	/ 838 286	GEN	2	838 286
144				)1J003	CS)6K003,)9R003				7 0250	/ 700 286	GEN	2	700 286

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
145			)8J003	SW	)9R003	4		0257	, 286	GEN	2	286	
146				MU	%T0,)8K003,W	8		0261	M %T0 273 W	GEN	2	%T0	273
147				H	)0J003	4		0269	. 207	GEN	2	207	
148			)8K003	EQU	*&1			0273		GEN			
149			)9J003	DCW	@STOP/PAUSE@	10		0282		GEN	3		
150				DCW	#1	1		0283		GEN	3		
151				DC	@42@	2		0285		GEN	3		
152			)9R003	DCW	@}@	1		0286		GEN	3		
153				XFR	PHAS42				B 201		4	201	
154			*										
155				ORG	BEGIN3				0838				
156			LOADAD	EQU	*&1			0838					
157	838		BEGN42	CS	299	4		0838	/ 299		5	299	
158	842		LOOP	BCE	DONE,0&X1,	8		0842	B 873 0|0		5	873	000+1
159	850			MCW	0&X1,CODSEQ	7		0850	M 0|0 W02		5	000+1	1602
160	857			BCE	STOPPZ,CODSEQ-3,A	8		0857	B 877 V99 A		5	877	1599
161	865			BCE	STOPPZ,CODSEQ-3,S	8		0865	B 877 V99 S		5	877	1599
162	873		DONE	B	LOADNX	4		0873	B 700		5	700	
163			*										
164			*		STOP OR PAUSE STATEMENT								
165			*										
166	896		STOPPZ	MCW	KLESS,2&X1	7		0877	M W03 0|2		6	1603	002+1
167	903			SBR	TSTLES&6,2&X1	7		0884	H S39 0|2		6	1239	002+1
168	910			LCA	0&X1,0&X3 SEQNO, CODE, GMWM	7		0891	L 0|0 0?0		6	000+1	000+3
169	917			SAR	X1	4		0898	Q 089		6	089	
170	921			C	0&X3	4		0902	C 0?0		6	000+3	
171	925			SAR	X3	4		0906	Q 099		6	099	
172	929			LCA	1&X3,2&X3 CLOBBER STATEMENT CODE WITH GMWM	7		0910	L 0?1 0?2		7	001+3	002+3
173	936			SBR	X3	4		0917	H 099		7	099	
174	940			BCE	NOCODE,0&X1,}	8		0921	B |50 0|0 } GMARK		7	1050	000+1
175	948			CS	WORK	4		0929	/ V98		7	1598	
176	952			MN	WRKBOT	4		0933	D V00		7	1500	
177	956			MN		1		0937	D		7		
178	957			SAR	X2	4		0938	Q 094		7	094	
179	961			SBR	X1,0&X1	7		0942	H 089 0|0		8	089	000+1
180			*										
181			*		MOVE THE STOP CODE INTO THE WORK AREA								
182			*										
183	968		MOVCOD	MCW	0&X1,W1	7		0949	M 0|0 W04		8	000+1	1604
184	975			SAR	X1	4		0956	Q 089		8	089	
185	979			BW	GOTWM,1&X1	8		0960	V 983 0|1 1		8	983	001+1
186	987			MCW	W1,2&X2	7		0968	M W04 0!2		8	1604	002+2
187	994			SBR	X2	4		0975	H 094		8	094	
188	998			B	MOVCOD	4		0979	B 949		9	949	
189			*										
190	1 002		GOTWM	SW	WRKBOT	4		0983	, V00		9	1500	
191	1 006			BCE	TWOTST,WRKBOT&3, ONE, TWO OR THREE DIGITS?	8		0987	B |23 V03		9	1023	1503
192	1 014			MCW	ERR35,222	7		0995	M S96 222		9	1296	222
193	1 021			MCW	MSG,247	7		1002	M T14 247		9	1314	247
194	1 028			MCW	WRKBOT&4,228	7		1009	M V04 228		9	1504	228

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
195	1	035		MCW	WRKBOT&2,251	7		1016	M V02 251		10	1502	251
196	1	042	TWOTST	BCE	TWODIG,WRKBOT&2, ONE OR TWO DIGITS?	8		1023	B |35 V02		10	1035	1502
197	1	050		B	GOTCOD	4		1031	B |65		10	1065	
198	1	054	TWODIG	MCW	WRKBOT&1,WRKBOT&2	7		1035	M V01 V02		10	1501	1502
199	1	061		MCW	K0	4		1042	M W05		10	1605	
200	1	065		B	TWOTST	4		1046	B |23		10	1023	
201	1	069	NOCODE	LCA	K000,WRKBOT&2 USE 000 FOR HALT CODE	7		1050	L W08 V02		11	1608	1502
202	1	076		C	0&X1	4		1057	C 0|0		11	000+1	
203	1	080		SAR	X1	4		1061	Q 089		11	089	
204	1	084	GOTCOD	MCW	WRKBOT&2,W3	7		1065	M V02 W11		11	1502	1611
205	1	091		A	K0,WRKBOT&3	7		1072	A W05 V03		11	1605	1503
206	1	098		C	WRKBOT&2,W3 CODE IS NUMERIC?	7		1079	C V02 W11		11	1502	1611
207	1	105		BE	NOZONE YES	5		1086	B /51 S		12	1151	
208	1	110		BCE	NOTYET,201, SHOWED A MESSAGE YET?	8		1091	B /12 201		12	1112	201
209	1	118	CLRCOD	MZ	K3B,251 CLEAR THE CODE IN THE MESSAGE	7		1099	Y W14 251		12	1614	251
210	1	125		MZ		1		1106	Y		12		
211	1	126		MZ		1		1107	Y		12		
212	1	127		B	NOZONE	4		1108	B /51		12	1151	
213	1	131	NOTYET	MCW	ERR35,222	7		1112	M S96 222		12	1296	222
214	1	138		MCW	MSG,247	7		1119	M T14 247		13	1314	247
215	1	145		MCW	WRKBOT&2,226	7		1126	M V02 226		13	1502	226
216	1	152		MCW	WRKBOT&2,251	7		1133	M V02 251		13	1502	251
217	1	159		MCW	K3B-2,223	7		1140	M W12 223		13	1612	223
218	1	166		B	CLRCOD	4		1147	B |99		13	1099	
219	1	170	NOZONE	BCE	NOMSG,201,	8		1151	B /75 201		14	1175	201
220	1	178		W		1		1159	2		14		
221	1	179		BCV	*&5	5		1160	B /69 @		14	1169	
222	1	184		B	*&3	4		1165	B /71		14	1171	
223	1	188		CC	1	2		1169	F 1		14		
224	1	190		CS	299	4		1171	/ 299		14	299	
225	1	194	NOMSG	CW	WRKBOT	4		1175	) V00		14	1500	
226	1	198		BCE	PAUSE,CODSEQ-3,A	8		1179	B S14 V99 A		15	1214	1599
227	1	206		LCA	BRANCH&3,0&X3 BRANCH BACK TO NOP	7		1187	L W18 0?0		15	1618	000+3
228	1	213		LCA	HALTOP HALT	4		1194	L W19		15	1619	
229	1	217		LCA	WRKBOT&2 NOP WITH STOP CODE	4		1198	L V02		15	1502	
230	1	221		LCA	1&X1 GMWM	4		1202	L 0|1		15	001+1	
231	1	225		SBR	X3	4		1206	H 099		15	099	
232	1	229		B	TSTLES	4		1210	B S33		15	1233	
233	1	233	PAUSE	LCA	HALTOP,0&X3 HALT	7		1214	L W19 0?0		16	1619	000+3
234	1	240		LCA	WRKBOT&2 NOP WITH STOP CODE	4		1221	L V02		16	1502	
235	1	244		LCA	1&X1 GMWM	4		1225	L 0|1		16	001+1	
236	1	248		SBR	X3	4		1229	H 099		16	099	
237	1	252	TSTLES	BCE	LOOP,0-0,< NOT TOO BIG IF LESS-THAN NOT CLOBBED	8		1233	B 842 000 <		16	842	000
238	1	260		CS	332	4		1241	/ 332		16	332	
239	1	264		CS		1		1245	/		16		
240	1	265		CC	1	2		1246	F 1		17		
241	1	267		MCW	ERROR2,270	7		1248	M W55 270		17	1655	270
242	1	274		W		1		1255	2		17		
243	1	275		CC	1	2		1256	F 1		17		
244	1	277		BCE	HALT,CDOVLY,1	8		1258	B S71 700 1		17	1271	700

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
245	1	285		RWD	1		5	1266	U %U1 R		17	%U1	
246	1	290	HALT	H	HALT		4	1271	. S71		17	1271	
247	1	315	ERR35	DCW	@ERROR 35 - HALT NUMBER@		22	1296			18		
248	1	333	MSG	DCW	@TO BE DISPLAYED AS@		18	1314			19		
249	1	364		DC	@		31	1345			20		
250				ORG	1499				1499				
251	1	499		DCW	@N@		1	1499			21		
252	1	500	WRKBOT	EQU	*&1			1500					
253	1	548		DC	@		@	49	1548		23		
254				ORG	1599				1599				
255	1	598	WORK	EQU	*			1598					
256	1	602	CODSEQ	DCW	#4 STATEMENT CODE AND SEQUENCE NUMBER		4	1602			24		
257	1	608	KLESS	DCW	@<@		1	1603			24		
258	1	609	W1	DCW	#1		1	1604			24		
259	1	610	K0	DCW	0		1	1605			24		
260	1	613	K000	DCW	000		3	1608			24		
261	1	616	W3	DCW	#3		3	1611			24		
262	1	619	K3B	DCW	#3		3	1614			24		
263	1	620	BRANCH	B	15992&X3		4	1615	B IIB		25	15992+3	
264	1	624	HALTOP	H			1	1619	.		25		
265	1	660	ERROR2	DCW	@MESSAGE 2 - OBJECT PROGRAM TOO LARGE@		36	1655			26		
266	1	661	GMWM	DCW	@}@		1	1656		GMARK	26		
267				XFR	BEGN42				B 838		27	838	
268			CLRME	CLRA	BEGN42, GMWM, C					MACRO			
			*	CLRA	CLRBOT, CLRTOP [, SS, HERE, GWMAD]					GEN			
			*							GEN			
			*	CLEAR CORE	AFTER A PHASE USING THE CLRTOP ADDRESS					GEN			
			*							GEN			
269				ORG	201				0201				
			*							GEN			
			*	CLEAR DOWN	TO CLRBOT & X00 THE EASY WAY					GEN			
			*							GEN			
270			CLRME	EQU	*&1			0201		GEN			
271				BSS	SNAPSH, C		5	0201	B 333 C	GEN	28	333	
272			)0J004	CS	GMWM CLEAR FROM CLRTOP		4	0206	/ W56	GEN	28	1656	
273				SBR	)0J004&3		4	0210	H 209	GEN	28	209	
274				SBR	)0L004&6		4	0214	H 255	GEN	28	255	
275				C	)0J004&3,)0M004 DOWN TO CLRBOT & X00?		7	0218	C 209 266	GEN	28	209	266
276				BU	)0J004		5	0225	B 206 /	GEN	28	206	
			*							GEN			
			*	NOW CLEAR	DOWN TO CLRBOT THE HARD WAY					GEN			
			*							GEN			
277			)0K004	C	)0L004&6,)0N004		7	0230	C 255 269	GEN	28	255	269
278				BU	)0L004		5	0237	B 249 /	GEN	29	249	
279				CS	LOADNX,)0Q004 LOAD THE NEXT BLOCK AT 1		7	0242	/ 700 276	GEN	29	700	276
280			)0L004	LCA	)0P004, 0-0 CLEAR WITH BLANK AND WORD MARK		7	0249	L 270 000	GEN	29	270	000
281				SBR	)0L004&6		4	0256	H 255	GEN	29	255	
282				B	)0K004		4	0260	B 230	GEN	29	230	
283			)0M004	DSA	)0R004 CLRBOT & X00 - 1		3	0266	899	GEN	29	899	
284			)0N004	DSA	BEGN42 CLRBOT		3	0269	838	GEN	29	838	

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
285			)0P004	DCW	#1		1	0270		GEN	30		
286				DC	@CLRA @ IDENTIFY IN A DECK, TAPE, OR DUMP		5	0275		GEN	30		
287			)0Q004	DCW	@}@		1	0276		GEN	30		
288				ORG	BEGN42&X00				0900				
289			)0R004	EQU	* CLRBOT & X00 - 1			0899		GEN			
290				XFR	CLRME				B 201		31	201	

SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS
)0J003	0207: 0	)0J004	0206: 0	)0K004	0230: 0	)0L004	0249: 0	)0M004	0266: 0	)0N004	0269: 0
)0P004	0270: 0	)0Q004	0276: 0	)0R004	0899: 0	)1J003	0250: 0	)6J003	0110: 0	)6K003	0700: 0
)6L003	0704: 0	)6M003	0728: 0	)8J003	0257: 0	)8K003	0273: 0	)9J003	0282: 0	)9R003	0286: 0
BEGIN3	0838: 0	BEGN42	0838: 0	BRANCH	1615: 0	CDOVLY	0700: 0	CLRCOD	1099: 0	CLRME	0201: 0
CODSEQ	1602: 0	DONE	0873: 0	ERR35	1296: 0	ERROR2	1655: 0	GMWM	1656: 0	GOTCOD	1065: 0
GOTWM	0983: 0	HALT	1271: 0	HALTOP	1619: 0	K0	1605: 0	K000	1608: 0	K3B	1614: 0
KLESS	1603: 0	LOADAD	0838: 0	LOADNX	0700: 0	LOOP	0842: 0	MOVCOD	0949: 0	MSG	1314: 0
NOCODE	1050: 0	NOMSG	1175: 0	NOTYET	1112: 0	NOZONE	1151: 0	PAUSE	1214: 0	PHAS42	0201: 0
PHASLD	0381: 0	SNAPEX	0564: 0	SNAPSH	0333: 0	STOPPZ	0877: 0	TOP3	2600: 0	TPERR	0728: 0
TPREAD	0704: 0	TSTLES	1233: 0	TWODIG	1035: 0	TWOTST	1023: 0	W1	1604: 0	W3	1611: 0
WORK	1598: 0	WRKBOT	1500: 0	X1	0089: 0	X2	0094: 0	X3	0099: 0		

UNREFERENCED SYMBOLS

PHASLD SNAPEX TOP3 TPERR TPREAD