

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
101				JOB	FORTRAN COMPILER -- TAMROF PHASE TWO -- 24								
102				CTL	6611								
103				*									
104				*	THE OBJECT-TIME FORMAT STRINGS ARE DEVELOPED AND STORED								
105				*	IMMEDIATELY PRECEDING THE CONSTANTS AT THE LOWER (RIGHTMOST)								
106				*	END OF STORAGE.								
107				*									
108				*	ON ENTRY, X1 IS THE TOP OF STATEMENTS, X2 IS THE TOP OF								
109				*	FORMATTED I/O STATEMENTS, AND 81-83 IS ONE BELOW THE NUMBER								
110				*	TABLE.								
111				*									
112			X1	EQU	89			0089					
113			X2	EQU	94			0094					
114			X3	EQU	99			0099					
115				*									
116				*	STUFF IN THE RESIDENT AREA								
117				*									
118			ARYSIZ	EQU	160 TOTAL ARRAY SIZE & 2			0160					
119			NEGARY	EQU	163 16000 - ARYSIZ			0163					
120				*									
121				EXT00	SNAPSH, LOADNX, CDOVLY							MACRO	
122			SNAPSH	EQU	333			0333				GEN	
123			PHASLD	EQU	381			0381				GEN	
124			SNAPEX	EQU	564			0564				GEN	
125			LOADNX	EQU	700 CARD OVERLAY UNLESS NOP			0700				GEN	
126			CDOVLY	EQU	700 1 IF LOADING FROM CARDS, N IF FROM TAPE			0700				GEN	
127			TPREAD	EQU	704 LOAD OVERLAY FROM TAPE			0704				GEN	
128			TPERR	EQU	728			0728				GEN	
129				*									
130				EXT03	START OF PHASE 3							MACRO	
131			BEGIN3	EQU	838			0838				GEN	
132			TOP3	EQU	2600			2600				GEN	
133				EXT23	STUFF IN PHASE 23							MACRO	
134			TOOBIG	EQU	838			0838				GEN	
135			SEMIC	EQU	872			0872				GEN	
136			SX3	EQU	875 USED TO SAVE X3 EXACTLY ONCE			0875				GEN	
137			SEQCOD	EQU	879			0879				GEN	
138			MSG	EQU	880			0880				GEN	
139			BEGN23	EQU	980			0980				GEN	
140				*									
141			110	DCW	@TAMROF TWO@	10		0110				1	
142				*									
143			PHAS24	LDPH	TAMROF TWO,BEGN24,BEGN24,,,24							MACRO	
			*	PHAZ	LDPH [PHASID],LOADAD,ENTAD[,SKIPFG,SKIP],[NUMBER][,HALT]							GEN	
			*	XFR	PHASZ PROHIBITED IN A MACRO							GEN	
			*									GEN	
			*	LOAD	A BLOCK							GEN	
			*									GEN	
144			)6J004	EQU	110 PHASE ID			0110				GEN	
145			)6K004	EQU	700 LOAD NEXT PHASE			0700				GEN	

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
146			)6L004	EQU	704 TAPE READ INSTRUCTION			0704		GEN			
147			)6M004	EQU	728 TAPE ERROR HANDLER			0728		GEN			
			*							GEN			
148				ORG	201				0201				
149			PHAS24	BSS	)8J004,G	5		0201	B 257 G	GEN	2	257	
150				NOP	TO PATCH IN TRAPS FOR DEBUGGING	1		0206	N	GEN	2		
151			)0J004	EQU	*&1			0207		GEN			
152				LCA	)9J004,)6J004	7		0207	L 282 110	GEN	2	282	110
153				BCE	)1J004,)6K004,1 Q: LOADING FROM CARDS?	8		0214	B 250 700 1	GEN	2	250	700
154				BCE	)1J004,)6L004&4,0 Q: LOADING FROM AUTOCODER TAPE?	8		0222	B 250 708 0	GEN	2	250	708
155				RTW	1,BEGN24 READ THE BLOCK	8		0230	L %U1 980 R	GEN	2	%U1	980
156				BER	)6M004 Q: TAPE ERROR?	5		0238	B 728 L	GEN	3	728	
157				CS	BEGN24,)9R004 ENTER THE BLOCK	7		0243	/ 980 286	GEN	3	980	286
158			)1J004	CS	)6K004,)9R004 LOAD CARDS OR AUTOCODER TAPE	7		0250	/ 700 286	GEN	3	700	286
159			)8J004	SW	)9R004	4		0257	, 286	GEN	3	286	
160				MU	%T0,)8K004,W	8		0261	M %T0 273 W	GEN	3	%T0	273
161				H	)0J004	4		0269	. 207	GEN	3	207	
162			)8K004	EQU	*&1			0273		GEN			
163			)9J004	DCW	@TAMROF TWO@ PHASE ID	10		0282		GEN	4		
164				DCW	#1	1		0283		GEN	4		
165				DC	@24@ PHASE NUMBER	2		0285		GEN	4		
166			)9R004	DCW	@}@	1		0286		GEN	4		
167				XFR	PHAS24				B 201		4	201	
168			*										
169				ORG	BEGN23 AFTER THE ERROR MESSAGE ROUTINES IN PHASE 23				0980				
170	980		BEGN24	BCE	DONE,96,. NO FORMAT STATEMENTS	8		0980	B |21 096 .		5	1021	096
171	988			MCW	X2,SX2&6	7		0988	M 094 J10		5	094	2110
172	995		NEXT	SBR	X2,2&X1	7		0995	H 094 0|2		5	094	002+1
173	1 002			LCA	KB1	4		1002	L L71		5	2371	
174	1 006			MCW	0&X1,SEQCOD	7		1006	M 0|0 879		5	000+1	879
175	1 013			BCE	FORMAT,SEQCOD-3,F	8		1013	B |25 876 F		6	1025	876
176			*										
177				*	FORMAT STATEMENTS ARE SORTED TOGETHER, SO IF WE DO NOT								
178				*	SEE ONE HERE, THERE ARE NO MORE.								
179				*									
180	1 021		DONE	B	LOADNX	4		1021	B 700		6	700	
181			*										
182				*	FORMAT STATEMENT								
183			*										
184	1 062		FORMAT	C	0&X1 GET DOWN TO BODY	4		1025	C 0|0		6	000+1	
185	1 066			SAR	X1	4		1029	Q 089		6	089	
186	1 070			SBR	SX1&6	4		1033	H |84		6	1084	
187	1 074			MCW	4&X1,FMTLAB	7		1037	M 0|4 L74		6	004+1	2374
188	1 081			SW	FLAG1	4		1044	, L75		6	2375	
189	1 085			CW	FLAG2	4		1048	) L76		7	2376	
190	1 089			ZA	KP1,W3	7		1052	? L77 L83		7	2377	2383
191	1 096			BCE	SYNTAX,0&X1,)	8		1059	B S21 0|0)		7	1221	000+1
192	1 104			MCW	X2,SX2B	7		1067	M 094 L80		7	094	2380
193	1 111			B	CONT	4		1074	B U73		7	1473	
194	1 115		SX1	SBR	X1,0	7		1078	H 089 000		7	089	000

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
195	1	122	LOOP	ZA	KP1,W3	7		1085	? L77 L83		8	2377	2383
196	1	129	CODEOK	BCE	RPAR,0&X1,)	8		1092	B V04 0|0)		8	1504	000+1
197	1	137		SBR	SX1&6	4		1100	H |84		8	1084	
198	1	141		BCE	LPAR,0&X1,%	8		1104	B U61 0|0 %		8	1461	000+1
199	1	149		BCE	IFEA,0&X1,I	8		1112	B W27 0|0 I		8	1627	000+1
200	1	157		BCE	IFEA,0&X1,F	8		1120	B W27 0|0 F		9	1627	000+1
201	1	165		BCE	IFEA,0&X1,E	8		1128	B W27 0|0 E		9	1627	000+1
202	1	173		BCE	IFEA,0&X1,A	8		1136	B W27 0|0 A		9	1627	000+1
203	1	181		BCE	SIGN,0&X1,&	8		1144	B T87 0|0 &		9	1387	000+1
204	1	189		BCE	SIGN,0&X1,-	8		1152	B T87 0|0 -		10	1387	000+1
205	1	197		BCE	SLASH,0&X1,@	8		1160	B V99 0|0 @		10	1599	000+1
206	1	205		C	0&X1,KZ	7		1168	C 0|0 L84		10	000+1	2384
207	1	212		BL	NUMBER	5		1175	B Y67 T		10	1867	
208	1	217		BL	CHKCOD	5		1180	B Z61 T		10	1961	
209	1	222		BW	SYNTAX,FLAG1 NOT PRECEDED BY A NUMBER?	8		1185	V S21 L75 1		11	1221	2375
210	1	230		BCE	HOLRIT,0&X1,H NUMBER, THE HOLLERITH	8		1193	B S69 0|0 H		11	1269	000+1
211	1	238		SBR	X1	4		1201	H 089		11	089	
212	1	242		BCE	XFLD,1&X1,X	8		1205	B S44 0|1 X		11	1244	001+1
213	1	250		BCE	PFLD,1&X1,P	8		1213	B U42 0|1 P		11	1442	001+1
214	1	258	SYNTAX	B	MSG	4		1221	B 880		12	880	
215	1	262		MCW	ERR15,223	7		1225	M M02 223		12	2402	223
216	1	269	WMSG	W		1		1232	Z		12		
217	1	270		MZ	ABZONE,SEQCOD	7		1233	Y M03 879		12	2403	879
218	1	277		B	ENDFMT	4		1240	B !05		12	2005	
219				*									
220				*	X FORMAT CONTROL. EMIT SBR X3,NUMBER&X3								
221				*									
222	1	281	XFLD	SW	8&X2	4		1244	, 0!8		12	008+2	
223	1	285		SBR	X2	4		1248	H 094		12	094	
224	1	289		LCA	BUMPX3	4		1252	L L46		13	2346	
225	1	293		MN	W3,0&X2	7		1256	D L83 0!0		13	2383	000+2
226	1	300		MN		1		1263	D		13		
227	1	301		MN		1		1264	D		13		
228	1	302		B	ENDFLD	4		1265	B X98		13	1798	
229				*									
230				*	HOLLERITH								
231				*									
232	1	306	HOLRIT	SW	5&X2	4		1269	, 0!5		13	005+2	
233	1	310		CW		1		1273	)		13		
234	1	311		SBR	X2	4		1274	H 094		14	094	
235	1	315		LCA	DOH&3,1&X2 EMIT CALL TO DO HOLLERITH ROUTINE	7		1278	L L39 0!1		14	2339	001+2
236	1	322		S	KP1,W3	7		1285	S L77 L83		14	2377	2383
237	1	329		BM	SYNTAX,W3	8		1292	V S21 L83 K		14	1221	2383
238	1	337		MN	0&X1	4		1300	D 0|0		14	000+1	
239	1	341		SAR	X1	4		1304	Q 089		14	089	
240	1	345	MOVEH	MN	0&X1,2&X2 MOVE	7		1308	D 0|0 0!2		15	000+1	002+2
241	1	352		SBR	X2 CHARACTERS	4		1315	H 094		15	094	
242	1	356		MZ	0&X1,1&X2 OF HOLLERITH	7		1319	Y 0|0 0!1		15	000+1	001+2
243	1	363		SAR	X1 FIELD WHILE	4		1326	Q 089		15	089	
244	1	367		SBR	SX1&6 REVERSING	4		1330	H |84		15	1084	

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
245	1	371		CW	2&X2			4	1334	) 0!2		15	002+2
246	1	375		S	KP1,W3			7	1338	S L77 L83		15	2377 2383
247	1	382		BCE	SHORTH,0&X1,}			8	1345	B T72 0|0 } GMARK		16	1372 000+1
248	1	390		BWZ	MOVEH,W3,B			8	1353	V T08 L83 B		16	1308 2383
249	1	398	HOLFIN	SBR	X2,1&X2			7	1361	H 094 0!1		16	094 001+2
250	1	405		B	ENDFLD			4	1368	B X98		16	1798
251				*									
252				*	STATEMENT ENDS BEFORE HOLLERITH ENDS								
253				*									
254	1	409	SHORTH	B	MSG			4	1372	B 880		16	880
255	1	413		MCW	ERR45,231			7	1376	M M23 231		16	2423 231
256	1	420		W	HOLFIN			4	1383	2 T61		17	1361
257				*									
258				*	PLUS OR MINUS SIGN BEFORE NUMBER BEFORE P CODE								
259				*									
260	1	424	SIGN	MZ	0&X1,W3	MOVE SIGN TO WHERE THE NUMBER WILL BE		7	1387	Y 0|0 L83		17	000+1 2383
261	1	431		SAR	X1			4	1394	Q 089		17	089
262	1	435		B	NUMBER			4	1398	B Y67		17	1867
263	1	439		C	X3,K20			7	1402	C 099 M26		17	099 2426
264	1	446		BL	SYNTAX	SCALE FACTOR TOO BIG?		5	1409	B S21 T		17	1221
265	1	451		MN	X3,W3			7	1414	D 099 L83		17	099 2383
266	1	458		MN				1	1421	D		18	
267	1	459		C	0&X1,KP			7	1422	C 0|0 M27		18	000+1 2427
268	1	466		SAR	SX1&6			4	1429	Q |84		18	1084
269	1	470		SBR	X1			4	1433	H 089		18	089
270	1	474		BU	SYNTAX	ERROR IF NOT P FIELD		5	1437	B S21 /		18	1221
271	1	479	PFLD	SBR	X2,7&X2			7	1442	H 094 0!7		18	094 007+2
272	1	486		LCA	W3	EMIT SCALE FACTOR		4	1449	L L83		18	2383
273	1	490		LCA	DOP&3	EMIT CALL TO P ROUTINE		4	1453	L L70		19	2370
274	1	494		B	ENDFLD			4	1457	B X98		19	1798
275				*									
276				*	LEFT PARENTHESIS								
277				*									
278	1	498	LPAR	BW	DEEP,FLAG2			8	1461	V V32 L76 1		19	1532 2376
279	1	506		SW	FLAG2			4	1469	, L76		19	2376
280	1	510	CONT	SW	8&X2			4	1473	, 0!8		19	008+2
281	1	514		SBR	X2			4	1477	H 094		19	094
282	1	518		CW	FLAG3			4	1481	) N07		19	2507
283	1	522		LCA	W3,0&X2			7	1485	L L83 0!0		20	2383 000+2
284	1	529		LCA	DOLP&3			4	1492	L L50		20	2350
285	1	533		SW	FLAG1			4	1496	, L75		20	2375
286	1	537		B	SX1			4	1500	B |78		20	1078
287				*									
288				*	RIGHT PARENTHESIS								
289				*									
290	1	541	RPAR	MN	0&X1			4	1504	D 0|0		20	000+1
291	1	545		SAR	SX1&6			4	1508	Q |84		20	1084
292	1	549		SBR	*&7			4	1512	H V22		20	1522
293	1	553		BCE	SAWGM,0,}			8	1516	B V75 000 } GMARK		21	1575 000
294	1	561		BW	RPOK,FLAG2	SEEN A RIGHT PARENTHESIS?		8	1524	V V47 L76 1		21	1547 2376

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
295	1	569	DEEP	B	MSG	4		1532	B 880		21	880	
296	1	573		MCW	ERR16,228	7		1536	M M49 228		21	2449	228
297	1	580		B	WMSG	4		1543	B S32		21	1232	
298			*										
299	1	584	RPOK	CW	FLAG2	4		1547	) L76		21	2376	
300	1	588		SW	5&X2	4		1551	, 0!5		21	005+2	
301	1	592		SBR	X2	4		1555	H 094		22	094	
302	1	596		LCA	DORP&3	4		1559	L L54		22	2354	
303	1	600		MN	0&X1	4		1563	D 0|0		22	000+1	
304	1	604		SAR	X1	4		1567	Q 089		22	089	
305	1	608		B	ENDFLD	4		1571	B X98		22	1798	
306			*										
307			*		SAW GM AFTER RIGHT PARENTHESIS								
308			*										
309	1	612	SAWGM	CW	5&X2	4		1575	) 0!5		22	005+2	
310	1	616		SBR	X2	4		1579	H 094		22	094	
311	1	620		LCA	DOGM&3	4		1583	L L66		23	2366	
312	1	624		BW	DEEP,FLAG2	8		1587	V V32 L76 1		23	1532	2376
313	1	632		B	ENDFMT	4		1595	B !05		23	2005	
314			*										
315			*		SLASH FIELD. SLASH WAS CONVERTED TO @ IN PHASE 2								
316			*										
317	1	636	SLASH	BW	*&5,FLAG1 NO NUMBER?	8		1599	V W11 L75 1		23	1611	2375
318	1	644		B	SYNTAX ERROR IF NUMBER	4		1607	B S21		23	1221	
319	1	648		SW	5&X2	4		1611	, 0!5		23	005+2	
320	1	652		SBR	X2	4		1615	H 094		23	094	
321	1	656		LCA	DOSLSH&3 EMIT CALL TO SLASH ROUTINE	4		1619	L L58		24	2358	
322	1	660		B	SX1	4		1623	B |78		24	1078	
323			*										
324			*		I, F, E OR A FIELD								
325			*										
326	1	664	IFEA	SW	5&X2	4		1627	, 0!5		24	005+2	
327	1	668		LCA	DOIFEA&3	4		1631	L L62		24	2362	
328	1	672		LCA	W3,8&X2	7		1635	L L83 0!8		24	2383	008+2
329	1	679		MCW	0&X1	4		1642	M 0|0		24	000+1	
330	1	683		SAR	X1	4		1646	Q 089		24	089	
331	1	687		B	NUMBER	4		1650	B Y67		25	1867	
332	1	691		ZA	X3,W3B	7		1654	? 099 M52		25	099	2452
333	1	698		SW	IFEAT&4	4		1661	, X75		25	1775	
334	1	702		BCE	FFLD,5&X2,F	8		1665	B W96 0!5 F		25	1696	005+2
335	1	710		BCE	IAFLD,5&X2,I	8		1673	B X35 0!5 I		25	1735	005+2
336	1	718		BCE	IAFLD,5&X2,A	8		1681	B X35 0!5 A		25	1735	005+2
337	1	726		S	KP4,W3B EW.D FIELD, SUBTRACT FOUR FROM W FOR EXP	7		1689	S M53 M52		26	2453	2452
338	1	733	FFLD	CW	IFEAT&4 FW.D FIELD	4		1696	) X75		26	1775	
339	1	737		C	0&X1,KDOT	7		1700	C 0|0 M54		26	000+1	2454
340	1	744		SAR	X1	4		1707	Q 089		26	089	
341	1	748		BU	SYNTAX NUMBER NOT FOLLOWED BY DOT	5		1711	B S21 /		26	1221	
342	1	753		B	NUMBER	4		1716	B Y67		26	1867	
343	1	757		S	X3,W3B SUBTRACT D FROM W	7		1720	S 099 M52		26	099	2452
344	1	764		BM	ETEST,W3B	8		1727	V N08 M52 K		27	2508	2452

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
395					* CHECK THE FORMAT CODE FOLLOWING A NUMBER								
396					*								
397	1	998	CHKCOD	ZA	X3,W3 SAVE NUMBER	7		1961	? 099 L83		33	099	2383
398	2	005		SW	TEST&7	4		1968	, Z93		33	1993	
399	2	009		MCW	0&X1,TEST&7	7		1972	M 0|0 Z93		33	000+1	1993
400	2	016		CW	TEST&7,FLAG1	7		1979	) Z93 L75		33	1993	2375
401	2	023	TEST	BCE	CODEOK,FMTCOD,X	8		1986	B |92 M74 X		34	1092	2474
402	2	031		CHAIN	7					MACRO			
403				BCE		1		1994	B	GEN	34		
404				BCE		1		1995	B	GEN	34		
405				BCE		1		1996	B	GEN	34		
406				BCE		1		1997	B	GEN	34		
407				BCE		1		1998	B	GEN	34		
408				BCE		1		1999	B	GEN	34		
409				BCE		1		2000	B	GEN	35		
410	2	038		B	SYNTAX	4		2001	B S21		35	1221	
411					*								
412	2	042	ENDFMT	MCW	83,X3	7		2005	M 083 099		35	083	099
413	2	049		BWZ	ENDER,SEQCOD,B	8		2012	V K23 879 B		35	2223	879
414	2	057		C	0&X3,SEMIC SEMICOLON BELOW NUMBER TABLE GONE?	7		2020	C 0?0 872		35	000+3	872
415	2	064		BU	TOOBIG	5		2027	B 838 /		35	838	
416	2	069	ENDFM2	LCA	0&X2,0&X3	7		2032	L 0!0 0?0		35	000+2	000+3
417	2	076		SAR	X2	4		2039	Q 094		36	094	
418	2	080		C	0&X3	4		2043	C 0?0		36	000+3	
419	2	084		SAR	X3	4		2047	Q 099		36	099	
420	2	088		CW	1&X2	4		2051	) 0!1		36	001+2	
421	2	092		C	X2,SX2B	7		2055	C 094 L80		36	094	2380
422	2	099		BU	ENDFM2	5		2062	B !32 /		36	2032	
423	2	104		SBR	SX3,0&X3	7		2067	H 875 0?0		36	875	000+3
424	2	111		CW	0&X2	4		2074	) 0!0		37	000+2	
425	2	115		CW		1		2078	)		37		
426	2	116		MCW		1		2079	M		37		
427	2	117		SAR	X2	4		2080	Q 094		37	094	
428	2	121		CW	1&X2	4		2084	) 0!1		37	001+2	
429	2	125		BW	ENDER2,FLAG3	8		2088	V K11 N07 1		37	2211	2507
430	2	133		BCE	ENDER2,*&6, WAS X2 ORIGINALLY BLANK?	8		2096	B K11 J09		37	2211	2109
431	2	141	SX2	SBR	X2,0	7		2104	H 094 000		38	094	000
432	2	148		CW	FLAG4	4		2111	) M75		38	2475	
433	2	152		SBR	SX3B&6,1&X3	7		2115	H L09 0?1		38	2309	001+3
434	2	159	ENDER4	MN	0&X2	4		2122	D 0!0		38	000+2	
435	2	163		MN		1		2126	D		38		
436	2	164		MN		1		2127	D		38		
437	2	165		SAR	X3	4		2128	Q 099		38	099	
438	2	169		MN	0&X3,*&15	7		2132	D 0?0 J53		39	000+3	2153
439	2	176		MZ	0&X3,*&8	7		2139	Y 0?0 J53		39	000+3	2153
440	2	183		BCE	IOSTMT,IOCODE,X	8		2146	B K60 M80 X		39	2260	2480
441	2	191		CHAIN	4					MACRO			
442				BCE		1		2154	B	GEN	39		
443				BCE		1		2155	B	GEN	39		
444				BCE		1		2156	B	GEN	39		

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
495	2	408	KB1	DCW	#1		1	2371			46		
496	2	417	FMTLAB	DCW	#3		3	2374			46		
497	2	418	FLAG1	DCW	#1 CLEARED WHEN A NUMBER IS PROCESSED		1	2375			46		
498	2	419	FLAG2	DCW	#1 SET WHEN LEFT PARENTHESIS IS PROCESSED		1	2376			46		
499	2	420	KP1	DCW	&1		1	2377			46		
500	2	423	SX2B	DCW	#3		3	2380			46		
501	2	426	W3	DCW	#3		3	2383			46		
502	2	427	KZ	DCW	@Z@		1	2384			47		
503	2	445	ERR15	DCW	@15 - FORMAT SYNTAX@		18	2402			47		
504	2	446	ABZONE	DCW	@A@		1	2403			47		
505	2	466	ERR45	DCW	@45 - HOLLERITH COUNT@		20	2423			48		
506	2	469	K20	DCW	020		3	2426			48		
507	2	470	KP	DCW	@P@		1	2427			48		
508	2	492	ERR16	DCW	@16 - PARENTHESIS ERROR@		22	2449			49		
509	2	495	W3B	DCW	#3		3	2452			49		
510	2	496	KP4	DCW	&4		1	2453			49		
511	2	497	KDOT	DCW	@.@		1	2454			49		
512	2	498	COMMA	DCW	@,@		1	2455			49		
513	2	499	K4	DCW	4		1	2456			49		
514	2	502	KZ3	DCW	000		3	2459			49		
515	2	503	K0	DCW	0		1	2460			50		
516	2	506	K133	DCW	133		3	2463			50		
517	2	509	K134	DCW	134		3	2466			50		
518	2	517	FMTCOD	DCW	@PAXHIFE%@		8	2474			50		
519	2	518	FLAG4	DCW	#1		1	2475			50		
520	2	523	IOCODE	DCW	@56ULP@ STMT CODE FOR FORMATTED I/O STMT		5	2480			50		
521	2	549	ERR17	DCW	@17 - DOUBLY DEFINED FORMAT@		26	2506			51		
522	2	550	FLAG3	DCW	#1 SET IF ERROR		1	2507			51		
523			*										
524			* PATCH IN V3M4										
525			*										
526	2	551	ETEST	BCE	WBIG, 5&X2, E	V3M4	8	2508	B Y33 0!5 E		51	1833	005+2
527	2	559		BIN	SYNTAX,	V3M4	5	2516	B S21		52	1221	
528				ORG	2599	V3M4			2599				
529	2	599	GMWM	DCW	@}@		1	2599		GMARK	53		
530				XFR	BEGN24				B 980		53	980	
531			CLRME	CLRA	BEGIN3, GMWM, C					MACRO			
			*	CLRA	CLRBOT, CLRTOP [, SS, HERE, GWMAD]					GEN			
			*							GEN			
			* CLEAR CORE AFTER A PHASE USING THE CLRTOP ADDRESS							GEN			
			*							GEN			
532				ORG	201				0201				
			*							GEN			
			* CLEAR DOWN TO CLRBOT & X00 THE EASY WAY							GEN			
			*							GEN			
533			CLRME	EQU	*&1			0201					
534				BSS	SNAPSH, C		5	0201	B 333 C		54	333	
535			)0J005	CS	GMWM CLEAR FROM CLRTOP		4	0206	/ N99		54	2599	
536				SBR	)0J005&3		4	0210	H 209		54	209	
537				SBR	)0L005&6		4	0214	H 255		54	255	

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
538				C	)0J005&3,)0M005			7 0218	C 209 266	GEN	54	209	266
539				BU	)0J005			5 0225	B 206 /	GEN	54	206	
				*						GEN			
				*	NOW CLEAR DOWN TO CLRBOT THE HARD WAY					GEN			
				*						GEN			
540			)0K005	C	)0L005&6,)0N005			7 0230	C 255 269	GEN	54	255	269
541				BU	)0L005			5 0237	B 249 /	GEN	55	249	
542				CS	LOADNX,)0Q005			7 0242	/ 700 276	GEN	55	700	276
543			)0L005	LCA	)0P005,0-0			7 0249	L 270 000	GEN	55	270	000
544				SBR	)0L005&6			4 0256	H 255	GEN	55	255	
545				B	)0K005			4 0260	B 230	GEN	55	230	
546			)0M005	DSA	)0R005			3 0266	899	GEN	55	899	
547			)0N005	DSA	BEGIN3			3 0269	838	GEN	55	838	
548			)0P005	DCW	#1			1 0270		GEN	56		
549				DC	@CLRA @			5 0275		GEN	56		
550			)0Q005	DCW	@}@			1 0276		GEN	56		
551				ORG	BEGIN3&X00				0900				
552			)0R005	EQU	*				0899	GEN			
553				XFR	CLRME						56	201	
									B 201				

SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS
)0J004	0207: 0	)0J005	0206: 0	)0K005	0230: 0	)0L005	0249: 0	)0M005	0266: 0	)0N005	0269: 0
)0P005	0270: 0	)0Q005	0276: 0	)0R005	0899: 0	)1J004	0250: 0	)6J004	0110: 0	)6K004	0700: 0
)6L004	0704: 0	)6M004	0728: 0	)8J004	0257: 0	)8K004	0273: 0	)9J004	0282: 0	)9R004	0286: 0
ABZONE	2403: 0	ARYSIZ	0160: 0	BEGIN3	0838: 0	BEGN23	0980: 0	BEGN24	0980: 0	BUMPX3	2346: 0
CDOVLY	0700: 0	CHKCOD	1961: 0	CLRME	0201: 0	CODEOK	1092: 0	COMMA	2455: 0	CONT	1473: 0
DEEP	1532: 0	DOGM	2363: 0	DOH	2336: 0	DOIFEA	2359: 0	DOLP	2347: 0	DONE	1021: 0
DOP	2367: 0	DORP	2351: 0	DOSLSH	2355: 0	ENDER2	2211: 0	ENDER3	2197: 0	ENDER4	2122: 0
ENDER5	2182: 0	ENDER6	2238: 0	ENDERR	2223: 0	ENDFLD	1798: 0	ENDFM2	2032: 0	ENDFMT	2005: 0
ERR15	2402: 0	ERR16	2449: 0	ERR17	2506: 0	ERR45	2423: 0	ETEST	2508: 0	FFLD	1696: 0
FFLD2	1750: 0	FLAG1	2375: 0	FLAG2	2376: 0	FLAG3	2507: 0	FLAG4	2475: 0	FMTCOD	2474: 0
FMTLAB	2374: 0	FORMAT	1025: 0	GMWM	2599: 0	HOLFIN	1361: 0	HOLRIT	1269: 0	IAFLD	1735: 0
IFEA	1627: 0	IFEAT	1771: 0	IOCODE	2480: 0	IOSTME	2324: 0	IOSTMT	2260: 0	K0	2460: 0
K133	2463: 0	K134	2466: 0	K20	2426: 0	K4	2456: 0	KB1	2371: 0	KDOT	2454: 0
KP	2427: 0	KP1	2377: 0	KP4	2453: 0	KZ	2384: 0	KZ3	2459: 0	LOADNX	0700: 0
LOOP	1085: 0	LPAR	1461: 0	MOVEH	1308: 0	MSG	0880: 0	NEGARY	0163: 0	NEXT	0995: 0
NODIG	1940: 0	NUMBER	1867: 0	NUMBRL	1887: 0	NUMBRX	1957: 0	PFLD	1442: 0	PHAS24	0201: 0
PHASLD	0381: 0	RPAR	1504: 0	RPOK	1547: 0	SAWGM	1575: 0	SEMIC	0872: 0	SEQCOD	0879: 0
SHORTH	1372: 0	SIGN	1387: 0	SKPCOM	1802: 0	SLASH	1599: 0	SNAPEX	0564: 0	SNAPSH	0333: 0
SX1	1078: 0	SX2	2104: 0	SX2B	2380: 0	SX3	0875: 0	SX3B	2303: 0	SYNTAX	1221: 0
TEST	1986: 0	TOOBIG	0838: 0	TOP3	2600: 0	TPERR	0728: 0	TPREAD	0704: 0	TSTWID	1790: 0
W3	2383: 0	W3B	2452: 0	WBIG	1833: 0	WMSG	1232: 0	X1	0089: 0	X2	0094: 0
X3	0099: 0	XFLD	1244: 0								

UNREFERENCED SYMBOLS

CDOVLY PHASLD SNAPEX TOP3 TPERR TPREAD