

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
151			110	DCW	@STNUM FOR@	9		0110			1		
152			*										
153			PHAS30	LDPH	STNUM FOR,LOADAD,BEGN30,,,30					MACRO			
			*	PHAZ	LDPH [PHASID],LOADAD,ENTAD[,SKIPFG,SKIP],[NUMBER][,HALT]					GEN			
			*	XFR	PHASZ PROHIBITED IN A MACRO					GEN			
			*							GEN			
			*	LOAD	A BLOCK					GEN			
			*							GEN			
154			)6J005	EQU	110 PHASE ID			0110		GEN			
155			)6K005	EQU	700 LOAD NEXT PHASE			0700		GEN			
156			)6L005	EQU	704 TAPE READ INSTRUCTION			0704		GEN			
157			)6M005	EQU	728 TAPE ERROR HANDLER			0728		GEN			
			*							GEN			
158				ORG	201				0201				
159			PHAS30	BSS	)8J005,G	5		0201	B 257 G	GEN	2	257	
160				NOF	TO PATCH IN TRAPS FOR DEBUGGING	1		0206	N	GEN	2		
161			)0J005	EQU	*&1			0207		GEN			
162				LCA	)9J005,)6J005	7		0207	L 281 110	GEN	2	281	110
163				BCE	)1J005,)6K005,1 Q: LOADING FROM CARDS?	8		0214	B 250 700 1	GEN	2	250	700
164				BCE	)1J005,)6L005&4,0 Q: LOADING FROM AUTOCODER TAPE?	8		0222	B 250 708 0	GEN	2	250	708
165				RTW	1,LOADAD READ THE BLOCK	8		0230	L %U1 /50 R	GEN	2	%U1	1150
166				BER	)6M005 Q: TAPE ERROR?	5		0238	B 728 L	GEN	3	728	
167				CS	BEGN30,)9R005 ENTER THE BLOCK	7		0243	/ /50 285	GEN	3	1150	285
168			)1J005	CS	)6K005,)9R005 LOAD CARDS OR AUTOCODER TAPE	7		0250	/ 700 285	GEN	3	700	285
169			)8J005	SW	)9R005	4		0257	, 285	GEN	3	285	
170				MU	%T0,)8K005,W	8		0261	M %T0 273 W	GEN	3	%T0	273
171				H	)0J005	4		0269	. 207	GEN	3	207	
172			)8K005	EQU	*&1			0273		GEN			
173			)9J005	DCW	@STNUM FOR@ PHASE ID	9		0281		GEN	4		
174				DCW	#1			0282		GEN	4		
175				DC	@30@ PHASE NUMBER	2		0284		GEN	4		
176			)9R005	DCW	@}@	1		0285		GEN	4		
177				XFR	PHAS30				B 201		4	201	
178			*										
179				ORG	BEGN29				1150				
180			LOADAD	EQU	*&1 LOAD ADDRESS			1150					
181	1	187	BEGN30	LCA	KB1,0&X2	7		1150	L V51 0!0		5	1551	000+2
182	1	194		SW	GM	4		1157	, W44		5	1644	
183	1	198		MCW	X1,X2	7		1161	M 089 094		5	089	094
184	1	205	NXSTMT	BCE	DONE,0&X1,	8		1168	B U47 0|0		5	1447	000+1
185	1	213		MCW	0&X1,SEQCOD	7		1176	M 0|0 |62		5	000+1	1062
186	1	220		SAR	X1	4		1183	Q 089		5	089	
187	1	224		BCE	NOLABL,0&X1,}	8		1187	B U95 0|0 } GMARK		6	1495	000+1
188	1	232		B	HASH COMPUTE HASH PROBE	4		1195	B 964		6	964	
189			*	LOOKUP	IN HASH TABLE								
190	1	236		MCW	NOF,SWITCH	7		1199	M V52 T53		6	1552	1353
191	1	243	LOOKL1	MCW	0&X1,X3	7		1206	M 0|0 099		6	000+1	099
192	1	250		SAR	X1	4		1213	Q 089		6	089	
193	1	254		BW	LOOK2,1&X1	8		1217	V S57 0|1 1		6	1257	001+1
194	1	262		BCE	SWITCH,3&X1,< BOTTOM OF THE TABLE	8		1225	B T53 0|3 <		7	1353	003+1

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
195	1	270		BCE	UNREF,1&X1, PROBED HASH ENTRY IS EMPTY	8		1233	B T75 0|1		7	1375	001+1
196	1	278		C	3&X1, SOUGHT	7		1241	C 0|3 |51		7	003+1	1051
197	1	285		BU	LOOKL1	5		1248	B S06 /		7	1206	
198	1	290		B	DOUBLE	4		1253	B U09		7	1409	
199	1	294	LOOK2	C	0&X3, SOUGHT	7		1257	C 0?0 |51		7	000+3	1051
200	1	301		BU	LOOKL1	5		1264	B S06 /		8	1206	
201	1	306		MZ	SEQCOD-1, SVZONE	7		1269	Y |61 V53		8	1061	1553
202	1	313		MZ	*-4, SEQCOD-1	7		1276	Y S78 |61		8	1278	1061
203	1	320		MCW	SEQCOD, 0&X3	7		1283	M |62 0?0		8	1062	000+3
204	1	327		SBR	X3	4		1290	H 099		8	099	
205	1	331		CW	1&X3 NO WM IN LABEL TABLE MEANS DEFINED	4		1294	) 0?1		8	001+3	
206	1	335		MCW	3&X1, SEQCOD	7		1298	M 0|3 |62		9	003+1	1062
207	1	342		MZ	SVZONE, SEQCOD-1	7		1305	Y V53 |61		9	1553	1061
208	1	349		MCW	SOUGHT, 3&X1	7		1312	M |51 0|3		9	1051	003+1
209	1	356		CW	1&X1 NO WM IN HASH TABLE MEANS DEFINED	4		1319	) 0|1		9	001+1	
210	1	360	LOOK3	MCW	SX1A, X1	7		1323	M |54 089		9	1054	089
211	1	367	NOLABB	SBR	X1, 4&X1 BACK HERE FROM NOLABL	7		1330	H 089 0|4		9	089	004+1
212	1	374		MCW	SEQCOD	4		1337	M |62		10	1062	
213	1	378		B	MOVE	4		1341	B 937		10	937	
214	1	382		B	MOVE	4		1345	B 937		10	937	
215	1	386		B	NXSTMT	4		1349	B /68		10	1168	
216			*										
217	1	390	SWITCH	NOP	UNREF GOT HERE TWICE?	4		1353	N T75		10	1375	
218	1	394		MCW	BRANCH, SWITCH	7		1357	M V54 T53		10	1554	1353
219	1	401		MCW	BNDRY, X1	7		1364	M 849 089		10	849	089
220	1	408		B	LOOKL1	4		1371	B S06		11	1206	
221			*										
222	1	412	UNREF	CS	332	4		1375	/ 332		11	332	
223	1	416		CS		1		1379	/		11		
224	1	417		MN	SEQCOD, 250	7		1380	D |62 250		11	1062	250
225	1	424		MN		1		1387	D		11		
226	1	425		MN		1		1388	D		11		
227	1	426		MCW	ERR19	4		1389	M W01		11	1601	
228	1	430		W		1		1393	2		12		
229	1	431		BCV	*&5	5		1394	B U03 @		12	1403	
230	1	436		B	*&3	4		1399	B U05		12	1405	
231	1	440		CC	1	2		1403	F 1		12		
232	1	442		B	UNREF2	4		1405	B U88		12	1488	
233			*										
234	1	446	DOUBLE	CS	332	4		1409	/ 332		12	332	
235	1	450		CS		1		1413	/		12		
236	1	451		SW	GLOBER	4		1414	, 184		13	184	
237	1	455		MN	SEQCOD, 245	7		1418	D |62 245		13	1062	245
238	1	462		MN		1		1425	D		13		
239	1	463		MN		1		1426	D		13		
240	1	464		MCW	ERR20	4		1427	M W43		13	1643	
241	1	468		W		1		1431	2		13		
242	1	469		BCV	*&5	5		1432	B U41 @		13	1441	
243	1	474		B	*&3	4		1437	B U43		14	1443	
244	1	478		CC	1	2		1441	F 1		14		

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
245	1	480		B	LOOK3	4		1443	B T23		14	1323	
246			*										
247	1	484	DONE	MCW	SAVBOT,X3	7		1447	M |65 099		14	1065	099
248	1	491		LCA	GM,0&X3	7		1454	L W44 0?0		14	1644	000+3
249	1	498		SBR	X3	4		1461	H 099		14	099	
250	1	502		SBR	SEQTAB	4		1465	H 148		14	148	
251	1	506		CS	0&X2	4		1469	/ 0!0		15	000+2	
252	1	510		MCW	SX1,X1	7		1473	M /13 089		15	1113	089
253	1	517		SW	0&X2	4		1480	, 0!0		15	000+2	
254	1	558		B	LOADNX	4		1484	B 700		15	700	
255			*										
256	1	562	UNREF2	MCW	SX1A,X1	7		1488	M |54 089		15	1054	089
257	1	569	NOLABL	BCE	*&5,SEQCOD-3,D DO STATEMENT?	8		1495	B V07 |59 D		15	1507	1059
258	1	577		B	NOLABB	4		1503	B T30		15	1330	
259	1	581		MCW	SAVBOT,X3	7		1507	M |65 099		16	1065	099
260	1	588		MCW	SEQCOD,0&X3	7		1514	M |62 0?0		16	1062	000+3
261	1	595		SBR	X3	4		1521	H 099		16	099	
262	1	599		BCE	TOOBIG,0&X3,<	8		1525	B |66 0?0 <		16	1066	000+3
263	1	607		MCW	SAVBOT,SEQCOD	7		1533	M |65 |62		16	1065	1062
264	1	614		SBR	SAVBOT,1&X3	7		1540	H |65 0?1		17	1065	001+3
265	1	621		B	NOLABB	4		1547	B T30		17	1330	
266	1	625	KB1	DCW	#1	1		1551			17		
267	1	626	NOP	NOP		1		1552	N		17		
268	1	627	SVZONE	DCW	#1	1		1553			17		
269	1	628	BRANCH	B		1		1554	B		17		
270	1	675	ERR19	DCW	@ERROR 19 - UNREFERENCED STMT NUMBER, STATEMENT @	47		1601			19		
271	1	717	ERR20	DCW	@ERROR 20 - DOUBLY DEFINED STMT, STATEMENT @	42		1643			21		
272	1	725	GM	DC	@}@	1		1644		GMARK	21		
273	1	726	GMWM	DCW	@}@	1		1645		GMARK	21		
274				XFR	BEGN30				B /50		21	1150	
275			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			
276			ORG		201				0201				
			*							GEN			
			*	CLEAR DOWN	TO CLRBOT & X00 THE EASY WAY					GEN			
			*							GEN			
277			CLRME	EQU	*&1			0201		GEN			
278				BSS	SNAPSH,C	5		0201	B 333 C	GEN	22	333	
279			)0J006	CS	GMWM CLEAR FROM CLRTOP	4		0206	/ W45	GEN	22	1645	
280				SBR	)0J006&3	4		0210	H 209	GEN	22	209	
281				SBR	)0L006&6	4		0214	H 255	GEN	22	255	
282				C	)0J006&3,)0M006 DOWN TO CLRBOT & X00?	7		0218	C 209 266	GEN	22	209	266
283				BU	)0J006	5		0225	B 206 /	GEN	22	206	
			*							GEN			
			*	NOW CLEAR	DOWN TO CLRBOT THE HARD WAY					GEN			
			*							GEN			
284			)0K006	C	)0L006&6,)0N006	7		0230	C 255 269	GEN	22	255	269

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
285				BU	)0L006			5 0237	B 249 /	GEN	23	249	
286				CS	LOADNX,)0Q006			7 0242	/ 700 276	GEN	23	700	276
287	)0L006		LCA	)0P006,0-0	CLEAR WITH BLANK AND WORD MARK			7 0249	L 270 000	GEN	23	270	000
288			SBR	)0L006&6				4 0256	H 255	GEN	23	255	
289			B	)0K006				4 0260	B 230	GEN	23	230	
290	)0M006		DSA	)0R006	CLRBOT & X00 - 1			3 0266	899	GEN	23	899	
291	)0N006		DSA	BEGIN3	CLRBOT			3 0269	838	GEN	23	838	
292	)0P006		DCW	#1				1 0270		GEN	24		
293			DC	@CLRA @	IDENTIFY IN A DECK, TAPE, OR DUMP			5 0275		GEN	24		
294	)0Q006		DCW	@)@				1 0276		GEN	24		
295			ORG	BEGIN3&X00					0900				
296	)0R006		EQU	*	CLRBOT & X00 - 1				0899	GEN			
297			XFR	CLRME					B 201		24	201	

SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS
)0J005	0207: 0	)0J006	0206: 0	)0K006	0230: 0	)0L006	0249: 0	)0M006	0266: 0	)0N006	0269: 0
)0P006	0270: 0	)0Q006	0276: 0	)0R006	0899: 0	)1J005	0250: 0	)6J005	0110: 0	)6K005	0700: 0
)6L005	0704: 0	)6M005	0728: 0	)8J005	0257: 0	)8K005	0273: 0	)9J005	0281: 0	)9R005	0285: 0
BEGIN3	0838: 0	BEGN28	0937: 0	BEGN29	1150: 0	BEGN30	1150: 0	BNDRY	0849: 0	BOTTAB	0852: 0
BRANCH	1554: 0	CDOVLY	0700: 0	CLRME	0201: 0	DIFF16	0846: 0	DONE	1447: 0	DOUBLE	1409: 0
ERR19	1601: 0	ERR20	1643: 0	GLOBER	0184: 0	GM	1644: 0	GMWM	1645: 0	HASH	0964: 0
KB1	1551: 0	LOADAD	1150: 0	LOADNX	0700: 0	LOOK2	1257: 0	LOOK3	1323: 0	LOOKL1	1206: 0
MOVE	0937: 0	MOVEDN	0853: 0	NOLABB	1330: 0	NOLABL	1495: 0	NOF	1552: 0	NXSTMT	1168: 0
PHAS30	0201: 0	PHASLD	0381: 0	SAUCE	3200: 0	SAVBOT	1065: 0	SEQCOD	1062: 0	SEQTAB	0148: 0
SNAPEX	0564: 0	SNAPSH	0333: 0	SOUGHT	1051: 0	SVZONE	1553: 0	SWITCH	1353: 0	SX1	1113: 0
SX1A	1054: 0	TOOBIG	1066: 0	TOP3	2600: 0	TOPCD9	0840: 0	TPERR	0728: 0	TPREAD	0704: 0
UNREF	1375: 0	UNREF2	1488: 0	X1	0089: 0	X2	0094: 0	X3	0099: 0		

UNREFERENCED SYMBOLS

BEGN28 BOTTAB CDOVLY DIFF16 MOVEDN PHASLD SAUCE SNAPEX TOP3 TOPCD9 TPERR TPREAD