

```
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
```

FORTRAN COMPILER -- RESORT 4 PHASE -- PHASE 50A PAGE 1

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
101			JOB		FORTRAN COMPILER -- RESORT 4 PHASE -- PHASE 50A						
102			CTL		6611						
103			*								
104			*		THE STATEMENTS ARE RELOCATED TO THE POSITIONS THEY WILL OCCUPY						
105			*		AT OBJECT TIME. THE STATEMENT NUMBER TABLE IS ADJUSTED TO						
106			*		TO SHOW THE OBJECT TIME LOCATIONS OF THE STATEMENTS.						
107			*								
108			*		ON ENTRY X3 IS AT THE TOP OF THE MOVED-DOWN CODE.						
109			*								
110			X1	EQU	89			0089			
111			X2	EQU	94			0094			
112			X3	EQU	99			0099			
113			*								
114			*		STUFF IN THE RESIDENT AREA						
115			*								
116			PHASID	EQU	110			0110			
117			TBLBOT	EQU	145			0145			
118			SEQTAB	EQU	148			0148			
119			NSTMTS	EQU	183			0183			
120			SNAPSH	EQU	333			0333			
121			LOADNX	EQU	700			0700			
122			CLEARL	EQU	707			0707			
123			*								
124			*		STUFF FROM THE PREVIOUS PHASE						
125			*								
126			W3	EQU	859			0859			
127			TOPC5	EQU	870			0870			
128			ADR5B	EQU	891			0891			
129			ADR5	EQU	896			0896			
130			CONV35	EQU	969			0969			
131			TOOBIG	EQU	1092			1092			
132			*								
133				ORG	1175				1175		
134	1	175	BEGINN	MCW	SEQTAB,X1	7	1175	M 148 089			4
135	1	182		SBR	X1,1&X1	7	1182	H 089 0 1			4
136	1	189		C	TBLBOT,X1	7	1189	C 145 089			4
137	1	196		BE	ATBOT	5	1196	B S60 S			4
138	1	201	LOOP	SBR	X1,3&X1	7	1201	H 089 0 3			4
139	1	208		MCW	0&X1,X2	7	1208	M 0 0 094			5
140	1	215		BWZ	*&12,X2-1,2	8	1215	V S34 093 2			5
141	1	223		MCW	0&X2,0&X1	7	1223	M 0!0 0 0			5
142	1	230		B	TSTBOT	4	1230	B S48			5
143	1	234		MA	W3,X2	7	1234	# 859 094			5
144	1	241		MCW	X2,0&X1	7	1241	M 094 0 0			6
145	1	248	TSTBOT	C	X1,TBLBOT	7	1248	C 089 145			6
146	1	255		BU	LOOP	5	1255	B S01 /			6
147	1	260	ATBOT	MCW	W3,X1	7	1260	M 859 089			6

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
148	1	267		MA	X3,X1	7		1267	# 099 089		6
149	1	274		MCW	X1,NEWX3&6	7		1274	M 089 U69		7
150	1	281		SBR	ADR5,0&X3	7		1281	H 896 0?0		7
151	1	288		B	CONV35	4		1288	B 969		7
152	1	292		MCW	ADR5B,TOPC5	7		1292	M 891 870		7
153	1	299		MCW	ADR5B,W5	7		1299	M 891 W68		7
154	1	306		MCW	W3,ADR5	7		1306	M 859 896		7
155	1	313		B	CONV35	4		1313	B 969		8
156	1	317		A	ADR5B,TOPC5	7		1317	A 891 870		8
157	1	324		C	K16000,TOPC5	7		1324	C W63 870		8
158	1	331		BL	*&8	5		1331	B T43 T		8
159	1	336		S	K16000,TOPC5	7		1336	S W63 870		8
160	1	343		MCW	SEQTAB,ADR5	7		1343	M 148 896		8
161	1	350		B	CONV35	4		1350	B 969		9
162	1	354		C	ADR5B,TOPC5	7		1354	C 891 870		9
163	1	361		BH	TOOBIG	5		1361	B  92 U		9
164	1	366		MZ	X1,TSTZON&7	7		1366	Y 089 V77		9
165	1	373		MCW	X1-2,TSTCHR&7	7		1373	M 087 V97		9
166	1	380		MCW	NSTMTS,X2	7		1380	M 183 094		9
167	1	387		MA	W3,NSTMTS	7		1387	# 859 183		10
168	1	394		C	TOPC5,W5	7		1394	C 870 W68		10
169	1	401		BH	FINDW2	5		1401	B V14 U		10
170	1	406	MORE	LCA	0&X3,0&X1	7		1406	L 0?0 0 0		10
171	1	413		SAR	X3	4		1413	Q 099		10
172	1	417		C	0&X1	4		1417	C 0 0		10
173	1	421		SAR	X1	4		1421	Q 089		10
174	1	425		BCE	*&5,0&X3,: AT TOP OF MOVED-UP CODE	8		1425	B U37 0?0 :		11
175	1	433		B	MORE	4		1433	B U06		11
176				*							
177				* DONE							
178				*							
179	1	437	CSLOOP	CS	0&X1	4		1437	/ 0 0		11
180	1	441		SBR	X1	4		1441	H 089		11
181	1	445		C	X1,BOTCLR AT THE BOTTOM OF CORE TO CLEAR?	7		1445	C 089 W71		11
182	1	452		BU	CSLOOP NO, CLEAR MORE	5		1452	B U37 /		11
183	1	457		CW	0&X1	4		1457	) 0 0		11
184	1	461		CW		1		1461	)		12
185	1	462		CW		1		1462	)		12
186	1	463	NEWX3	SBR	X3,0	7		1463	H 099 000		12
187	1	470		SW	0&X1,1&X3	7		1470	, 0 0 0?1		12
188	1	477		MCW	W3,X2	7		1477	M 859 094		12
189	1	484		BSS	SNAPSH,D	5		1484	B 333 D		12
190	1	489		SBR	CLEARL&3,GMWM	7		1489	H 710 W91		12
191	1	496		LCA	SHIFT,PHASID	7		1496	L W80 110		13
192	1	503		B	LOADNX	4		1503	B 700		13
193				*							
194				* MOVE THE CODE TO ITS FINAL PLACE							
195				*							
196	1	507	FINDWM	MA	A001,X2 WHY NOT SBR X2,1&X2 ???	7	V3M4	1507	# W90 094		13
197	1	514	FINDW2	BW	*&5,1&X2	8		1514	V V26 0!1 1		13

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
198	1	522		B	FINDWM	4		1522	B V07		13
199	1	526		MCW	X2,X1	7		1526	M 094 089		13
200	1	533		MA	W3,X1	7		1533	# 859 089		14
201	1	540		LCA	0&X2,0&X1 MOVE ONE FIELD TO ITS FINAL PLACE	7		1540	L 0!0 0 0		14
202	1	547		C	X2,X3	7		1547	C 094 099		14
203	1	554		BU	FINDWM	5		1554	B V07 /		14
204	1	559		LCA	KB2,2&X3	7		1559	L W83 0?2		14
205	1	566		CW	1&X3	4		1566	) 0?1		14
206	1	570	TSTZON	BWZ	TSTCHR,X3,2 CLEAR MOVED-AWAY CODE	8		1570	V V90 099 2		15
207	1	578		CS	0&X3	4		1578	/ 0?0		15
208	1	582		SBR	X3	4		1582	H 099		15
209	1	586		B	TSTZON	4		1586	B V70		15
210	1	590	TSTCHR	BCE	CLR00F,X3-2,0	8		1590	B W10 097 0		15
211	1	598		CS	0&X3	4		1598	/ 0?0		15
212	1	602		SBR	X3	4		1602	H 099		15
213	1	606		B	TSTCHR	4		1606	B V90		16
214	1	610	CLR00F	C	X3,X1	7		1610	C 099 089		16
215	1	617		BE	CLRFIN	5		1617	B W41 S		16
216	1	622		LCA	KB1,0&X3	7		1622	L W84 0?0		16
217	1	629		CW	0&X3	4		1629	) 0?0		16
218	1	633		SBR	X3	4		1633	H 099		16
219	1	637		B	CLR00F	4		1637	B W10		16
220	1	641	CLRFIN	MCW	NSTMTS,X1	7		1641	M 183 089		17
221	1	648		MA	K15999,X1	7		1648	# W87 089		17
222	1	655		B	CSLOOP	4		1655	B U37		17
223			*								
224			* DATA								
225			*								
226	1	663	K16000	DCW	16000	5		1663			17
227	1	668	W5	DCW	#5	5		1668			17
228	1	671	BOTCLR	DSA	DOWNTO TEST FOR BOTTOM OF CLEARING	3		1671	W99		17
229	1	680	SHIFT	DCW	@SHIFT CFL@	9		1680			18
230	1	681	KP1	DCW	&1	1		1681			18
231	1	683	KB2	DCW	#2	2		1683			18
232	1	684	KB1	DCW	#1	1		1684			18
233	1	687	K15999	DSA	15999	3		1687	I9I		18
234	1	690	A001	DSA	1	3	V3M4	1690	001		18
235	1	691	GMWM	DCW	@}@	1		1691		GMARK	18
236				ORG	*&X00				1700		
237			DOWNTO	EQU	*			1699			
238				EX	BEGINN				B /75		19
239				END					/ 000 080		

SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS
A001	1690	ADR5	896	ADR5B	891	ATBOT	1260	BEGINN	1175	BOTCLR	1671	CLEARL	707
CLR00F	1610	CLRFIN	1641	CONV35	969	CSLOOP	1437	DOWNT0	1699	FINDW2	1514	FINDWM	1507
GMWM	1691	K15999	1687	K16000	1663	KB1	1684	KB2	1683	KP1	1681	LOADNX	700
LOOP	1201	MORE	1406	NEWX3	1463	NSTMTS	183	PHASID	110	SEQTAB	148	SHIFT	1680
SNAPSH	333	TBLBOT	145	TOOBIG	1092	TOPC5	870	TSTBOT	1248	TSTCHR	1590	TSTZON	1570
W3	859	W5	1668	X1	89	X2	94	X3	99				