

```
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
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SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
101				JOB	FORTRAN COMPILER -- SENSE LIGHT PHASE -- PHASE 43						
102				CTL	6611						
103				*							
104				*	IN-LINE INSTRUCTIONS ARE GENERATED.						
105				*							
106			X1	EQU	89			0089			
107			X2	EQU	94			0094			
108			X3	EQU	99			0099			
109				*							
110				*	STUFF IN THE RESIDENT AREA						
111				*							
112			PHASID	EQU	110 PHASE ID, FOR SNAPSHOT DUMPS			0110			
113			GLOBER	EQU	184 GLOBAL ERROR FLAG -- WM MEANS ERROR			0184			
114			SNAPSH	EQU	333 CORE DUMP SNAPSHOT			0333			
115			LOADNX	EQU	700 LOAD NEXT OVERLAY			0700			
116			CLEARL	EQU	707 CS AT START OF OVERLAY LOADER			0707			
117			CDOVLY	EQU	769 1 IF RUNNING FROM CARDS, N IF FROM TAPE			0769			
118				*							
119				ORG	838				0838		
120			LOADDD	EQU	*&1 LOAD ADDRESS			0838			
121	838		BEGINN	BCE	DONE,0&X1,	8	0838	B 861 0 0			4
122	846		MCW		0&X1,SEQCOD	7	0846	M 0 0 /88			4
123	853		BCE		SLITE,SEQCOD-3,J	8	0853	B 884 /85 J			4
124	861	DONE	BSS		SNAPSH,C	5	0861	B 333 C			4
125	866		SBR		CLEARL&3,GMWM	7	0866	H 710 S92			4
126	873		LCA		IFCOND,PHASID	7	0873	L /94 110			5
127	880		B		LOADNX	4	0880	B 700			5
128	884	SLITE	LCA		0&X1,0&X3	7	0884	L 0 0 0?0			5
129	891		SAR		X1	4	0891	Q 089			5
130	895		C		0&X3	4	0895	C 0?0			5
131	899		SAR		X3	4	0899	Q 099			5
132	903		SBR		TSTBRK&6,1&X1	7	0903	H /26 0 1			5
133	910		MCW		RBRACK,1&X1	7	0910	M /95 0 1			6
134	917		LCA		1&X3,2&X3	7	0917	L 0?1 0?2			6
135	924		SBR		X3	4	0924	H 099			6
136	928		MCW		SEQCOD,W3	7	0928	M /88 /98			6
137	935		BWZ		*&5,W3,2	8	0935	V 947 /98 2			6
138	943		B		*&9	4	0943	B 955			6
139	947		BWZ		*&15,W3-2,2	8	0947	V 969 /96 2			7
140	955		MCW		W3,X2	7	0955	M /98 094			7
141	962		MCW		0&X2,W3	7	0962	M 0!0 /98			7
142	969		BCE		SYNTAX,0&X1,}	8	0969	B 15 0 0 }	GMARK		7
143	977		MCW		0&X1,W2	7	0977	M 0 0 S00			7
144	984		BCE		TSTCOD,W2-1,} SENSE LIGHT NUMBER IS ONE DIGIT?	8	0984	B 996 /99 }	GMARK		8
145	992		B		SYNTAX	4	0992	B 15			8
146	996	TSTCOD	MN		0&X1,*&8	7	0996	D 0 0 10			8
147	1 003		BCE		SENSOK,K01234,0 VALID SENSE LIGHT NUMBER?	8	1003	B 68 S05 0			8

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
148	1	011		CHAIN	4					MACRO	
149				BCE		1	1011	B		GEN	8
150				BCE		1	1012	B		GEN	8
151				BCE		1	1013	B		GEN	8
152				BCE		1	1014	B		GEN	9
153	1	015	SYNTAX	CS	332	4	1015	/	332		9
154	1	019		CS		1	1019	/			9
155	1	020		SW	GLOBER	4	1020	,	184		9
156	1	024		MN	W3,245	7	1024	D	/98 245		9
157	1	031		MN		1	1031	D			9
158	1	032		MN		1	1032	D			9
159	1	033		MCW	ERR36	4	1033	M	S47		10
160	1	037		W		1	1037	2			10
161	1	038		BCV	*&5	5	1038	B	47 @		10
162	1	043		B	*&3	4	1043	B	49		10
163	1	047		CC	1	2	1047	F	1		10
164	1	049		SBR	X3,4&X3	7	1049	H	099 0?4		10
165	1	056		C	0&X1	4	1056	C	0 0		10
166	1	060		SAR	X1	4	1060	Q	089		11
167	1	064		B	BEGINN	4	1064	B	838		11
168	1	068	SENSOK	MZ	*-4,0&X1	7	1068	Y	70 0 0		11
169	1	075		BCE	SENSE0,0&X1,0	8	1075	B	/62 0 0 0		11
170	1	083		MN	0&X1,CW&3	7	1083	D	0 0 /84		11
171	1	090		LCA	CW&3,0&X3 LOAD CW INSTRUCTION	7	1090	L	/84 0?0		11
172	1	097		SBR	X3	4	1097	H	099		12
173	1	101	ENDSTM	C	0&X1	4	1101	C	0 0		12
174	1	105		SAR	X1	4	1105	Q	089		12
175	1	109		LCA	1&X1,0&X3 GMWM	7	1109	L	0 1 0?0		12
176	1	116		SBR	X3	4	1116	H	099		12
177	1	120	TSTBRK	BCE	BEGINN,0,] NOT TOO BIG IF BRACKET NOT CLOBBERED	8	1120	B	838 000]		12
178	1	128		CS	332	4	1128	/	332		12
179	1	132		CS		1	1132	/			13
180	1	133		CC	1	2	1133	F	1		13
181	1	135		MCW	ERROR2,270	7	1135	M	S83 270		13
182	1	142		W		1	1142	2			13
183	1	143		CC	1	2	1143	F	1		13
184	1	145		BCE	HALT,CDOVLY,1	8	1145	B	/58 769 1		13
185	1	153		RWD	1	5	1153	U	%U1 R		13
186	1	158	HALT	H	HALT	4	1158	.	/58		14
187	1	162	SENSE0	LCA	SW,0&X3 CHAINED SW	7	1162	L	S84 0?0		14
188	1	169		LCA	SW2&6 SW 82,84	4	1169	L	S91		14
189	1	173		SBR	X3	4	1173	H	099		14
190	1	177		B	ENDSTM	4	1177	B	/01		14
191	1	181	CW	CW	80	4	1181)	080		14
192	1	188	SEQCOD	DCW	#4	4	1188				14
193	1	194	IFCOND	DCW	@IFCOND@	6	1194				15
194	1	195	RBRACK	DCW	@]@	1	1195				15
195	1	198	W3	DCW	#3	3	1198				15
196	1	200	W2	DCW	#2	2	1200				15
197	1	205	K01234	DCW	@01234@	5	1205				15

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
198	1	247	ERR36	DCW	@ERROR 36 - ILLEGAL SENSE LIGHT, STATEMENT @	42		1247			17
199	1	283	ERROR2	DCW	@MESSAGE 2 - OBJECT PROGRAM TOO LARGE@	36		1283			17
200	1	284	SW	SW		1		1284	,		18
201	1	285	SW2	SW	82,84	7		1285	,	082 084	18
202	1	292	GMWM	DCW	@}@	1		1292		GMARK	18
203				ORG	201				0201		
204		203		DSA	LOADDD LOAD ADDRESS FOR CARD-TO-TAPE PROGRAM	3		0203	838		19
205				EX	BEGINN				B 838		20
206				END					/ 000 080		

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SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS
BEGINN	838	CDOVLY	769	CLEARL	707	CW	1181	DONE	861	ENDSTM	1101	ERR36	1247
ERROR2	1283	GLOBER	184	GMWM	1292	HALT	1158	IFCOND	1194	K01234	1205	LOADDD	838
LOADNX	700	PHASID	110	RBRACK	1195	SENSE0	1162	SENSOK	1068	SEQCOD	1188	SLITE	884
SNAPSH	333	SW	1284	SW2	1285	SYNTAX	1015	TSTBRK	1120	TSTCOD	996	W2	1200
W3	1198	X1	89	X2	94	X3	99						