

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
101				JOB	FORTRAN COMPILER -- FORMAT LOADER -- PHASE 54A								
102				CTL	6611								
103				*									
104				*	THIS PHASE SELECTS THE PROPER I/O ROUTINE AND LOADS IT INTO								
105				*	ITS OBJECT CORE-STORAGE LOCATION.								
106				*									
107				*	LIMITED FORMAT ROUTINE IS FIRST (54B), NORMAL FORMAT ROUTINE								
108				*	IS SECOND (54C), A-CONVERSION FORMAT ROUTINE IS THIRD (54D).								
109				*									
110				*	STUFF IN THE RESIDENT AREA								
111				*									
112				IMOD	EQU 690 INTEGER MODULUS -- NUMBER OF DIGITS			0690					
113				FMTSW	EQU 696 X FOR NO FORMAT, L FOR LIMITED FORMAT			0696					
114				*	BLANK FOR ORDINARY, A FOR A CONVERSION								
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 CARD OVERLAY UNLESS NOP			0700					GEN
121				CDOVLY	EQU 700 1 IF LOADING FROM CARDS, N IF FROM TAPE			0700					GEN
122				TPREAD	EQU 704 LOAD OVERLAY FROM TAPE			0704					GEN
123				TPERR	EQU 728			0728					GEN
124				*									
125					XT52B STUFF IN PHASE 52B -- FUNCTION LOADER								MACRO
126				BEG52C	EQU 934 RELOCATION TAG FROM SW INSTRUCTION			0934					GEN
127				CLR52C	EQU 1696			1696					GEN
128					XT54B STUFF IN PHASE 54B -- LIMITED FORMAT								MACRO
129				LIMADR	EQU 2015 USED IN DIMENSION PHASE 2			2015					GEN
130				LGM	EQU 2022			2022					GEN
131					XT54C STUFF IN PHASE 54CD -- NORMAL AND A FORMAT								MACRO
132				FMTBAS	EQU 1697			1697					GEN
133				RELENT	EQU 2132 ENTER HERE FROM RELOCATABLE FUNCTION TABLE			2132					GEN
134				NOOVFL	EQU 3138			3138					GEN
135				NGM	EQU 4279			4279					GEN
136				AFMT1	EQU 4280			4280					GEN
137				AGM	EQU 4616			4616					GEN
138				*									
139					PHAS54 LDPH FORMATPAK, LOAD54, BEGN54, ,, 54A								MACRO
				*	PHAZ LDPH [PHASID], LOADAD, ENTAD [, SKIPFG, SKIP], [NUMBER] [, HALT]								GEN
				*	XFR PHASZ PROHIBITED IN A MACRO								GEN
				*									GEN
				*	LOAD A BLOCK								GEN
				*									GEN
140				)6J005	EQU 110 PHASE ID			0110					GEN
141				)6K005	EQU 700 LOAD NEXT PHASE			0700					GEN
142				)6L005	EQU 704 TAPE READ INSTRUCTION			0704					GEN
143				)6M005	EQU 728 TAPE ERROR HANDLER			0728					GEN
				*									GEN
144					ORG 201				0201				



SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
195	*		SKIP54	BCE	SKIPTP,TPREAD&4,0 Q: LOADING FROM AUTOCODER TAPE?	8		1062	B /12 708 0		7	1112	708
196				BCE	SKIPCD,CDOVLY,1	8		1070	B  99 700 1		8	1099	700
197				SW	GMWM	4		1078	, /40		8	1140	
198				RTW	1,GMWM SKIP A CORE-IMAGE BLOCK	8		1082	L %U1 /40 R		8	%U1	1140
199				BER	TPERR	5		1090	B 728 L		8	728	
200				B	LOADNX	4		1095	B 700		8	700	
201			* SKIP A BLOCK FROM CARDS.										
202			SKIPCD	R		1		1099	1		8		
203				BCE	LOADNX,68,B Q: XFR CARD?	8		1100	B 700 068 B		8	700	068
204				B	SKIPCD	4		1108	B  99		9	1099	
205			* SKIP A BLOCK FROM AUTOCODER TAPE										
206			SKIPTP	RTW	1,1 READ ONE FIELD	8		1112	L %U1 001 R		9	%U1	001
207				BER	TPERR	5		1120	B 728 L		9	728	
208				BCE	LOADNX,8,B Q: XFR RECORD?	8		1125	B 700 008 B		9	700	008
209				B	SKIPTP	4		1133	B /12		9	1112	
210			*										
211			* DATA										
212			*										
213	1	239	K01	DCW	01	2		1138			9		
214	1	240	NOP	NOF		1		1139	N		9		
215	1	253	GMWM	DCW	@}@	1		1140		GMARK	10		
216	*		GMWM54	EQU	GMWM			1140					
217				XFR	BEGN54				B 937		11	937	
218			*										
219			* WE CAN'T PUT THE OVERLAY TO CLEAR PHASE 54A HERE BECAUSE PHASE										
220			* 54A SKIPS OR LOADS PHASES 54BCD. THE CLEAR CODE IS IN PHASE 55.										

SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS
)6J005	0110: 0	)6K005	0700: 0	)6L005	0704: 0	)6M005	0728: 0	)9J005	0252: 0	)9R005	0257: 0
AFMT	1000: 0	AFMT1	4280: 0	AGM	4616: 0	BEG52C	0934: 0	BEGN54	0937: 0	CDOVLY	0700: 0
CLR52C	1696: 0	DONE	1053: 0	FMTBAS	1697: 0	FMTSW	0696: 0	GMWM	1140: 0	GMWM54	1140: 0
IMOD	0690: 0	K01	1138: 0	LFMT	0992: 0	LGM	2022: 0	LIMADR	2015: 0	LOAD54	0934: 0
LOADNX	0700: 0	NGM	4279: 0	NOOVFL	3138: 0	NOP	1139: 0	PHAS54	0201: 0	PHASLD	0381: 0
RELENT	2132: 0	RET54B	0976: 0	RET54D	1011: 0	SKIP54	1062: 0	SKIPB	0934: 0	SKIPC	0935: 0
SKIPCD	1099: 0	SKIPD	0936: 0	SKIPTP	1112: 0	SNAPEX	0564: 0	SNAPSH	0333: 0	TPERR	0728: 0
TPREAD	0704: 0										

## UNREFERENCED SYMBOLS

AFMT1 CLR52C GMWM54 LIMADR PHASLD RELENT RET54B RET54D SKIP54 SNAPEX