

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
101	77	28		JOB	1401 FORTRAN FIXED XLINK ROUTINE -- PHASE 61B								
102			*										
103			*	THIS IS GARY MOKOTOFFS V3M4 PHASE 61B									
104			*										
105			EXT61		STUFF IN PHASE 61 -- GEAUX PHASE ONE					MACRO			
106			GM61B	EQU	680 WHERE XLINKF GMWM IS WANTED IN V3M4			0680		GEN			
107			BEGN61	EQU	838 INITIALIZE			0838		GEN			
108			SKIP61	EQU	953 Q: LOADING FROM AUTOCODER TAPE?			0953		GEN			
109			AFTOVL	EQU	1200			1200		GEN			
110			*										
111			GOTXL	EQU	185 XLINKF WAS REFERENCED IF NO WM			0185					
112			XL2	EQU	094			0094					
113			*										
114			PHS61B	LDPH	, LOADAD, AFTOVL, GOTXL, SKIP61, 61B					MACRO			
			*	PHAZ	LDPH [PHASID], LOADAD, ENTAD[, SKIPFG, SKIP], [NUMBER] [, HALT]					GEN			
			*	XFR	PHASZ PROHIBITED IN A MACRO					GEN			
			*							GEN			
			*	LOAD	THE BLOCK IF NO WM IN GOTXL, ELSE SKIP IT					GEN			
			*							GEN			
115			)6K002	EQU	700 LOAD NEXT PHASE			0700		GEN			
116			)6L002	EQU	704 TAPE READ INSTRUCTION			0704		GEN			
117			)6M002	EQU	728 TAPE ERROR HANDLER			0728		GEN			
			*							GEN			
118			ORG		201				0201				
119			PHS61B	BSS	)8J002,G		5	0201	B 265 G	GEN	1	265	
120				NOF	TO PATCH IN TRAPS FOR DEBUGGING		1	0206	N	GEN	1		
121			)0J002	EQU	*&1			0207		GEN			
122			BW		)2J002,GOTXL Q: SKIP THE BLOCK?		8	0207	V 258 185 1	GEN	1	258	185
123			BCE		)1J002,)6K002,1 Q: LOADING FROM CARDS?		8	0215	B 251 700 1	GEN	1	251	700
124			BCE		)1J002,)6L002&4,0 Q: LOADING FROM AUTOCODER TAPE?		8	0223	B 251 708 0	GEN	1	251	708
125			RTW		1,LOADAD READ THE BLOCK		8	0231	L %U1 286 R	GEN	1	%U1	286
126			BER		)6M002 Q: TAPE ERROR?		5	0239	B 728 L	GEN	2	728	
127			CS		AFTOVL,)9R002 ENTER THE BLOCK		7	0244	/ S00 285	GEN	2	1200	285
128			)1J002	CS	)6K002,)9R002 LOAD CARDS OR AUTOCODER TAPE		7	0251	/ 700 285	GEN	2	700	285
			*	SKIP	THE BLOCK					GEN			
129			)2J002	CS	SKIP61,)9R002		7	0258	/ 953 285	GEN	2	953	285
130			)8J002	SW	)9R002		4	0265	, 285	GEN	2	285	
131			MU		%T0,)8K002,W		8	0269	M %T0 281 W	GEN	2	%T0	281
132			H		)0J002		4	0277	. 207	GEN	3	207	
133			)8K002	EQU	*&1			0281		GEN			
134			DCW		#1		1	0281		GEN	3		
135			DC		@61B@ PHASE NUMBER		3	0284		GEN	3		
136			)9R002	DCW	@}@		1	0285		GEN	3		
137			XFR		PHS61B				B 201		4	201	
138			*										
139			LOADAD	EQU	*&1			0286					
140	77	30	ORG		333				0333				
141	77	31	H		333		4	0333	. 333		5	333	
142	77	32	START	MCW	86,XL2 X2 FOLLOWS B700		7	0337	M 086 094		5	086	094
143	77	33		CS	80		4	0344	/ 080		5	080	

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
144	77	34		BCE	ARRAY,0&X2,\$	8	0348	B 585	0!0 \$		5	585	000+2
145	77	35	CLEAR	CS	000	4	0356	/ 000			5	000	
146	77	36		SBR	ADR3	4	0360	H 359			5	359	
147	77	37		C	ADR3,@699@	7	0364	C 359	645		5	359	645
148	77	38		BU	CLEAR	5	0371	B 356	/		6	356	
149	77	39		SW	ACCHI-5&X3	4	0376	, 2G4			6	274+3	
150	77	40		MZ	ACCHI&X3,FIELD	7	0380	Y 2G9	642		6	279+3	642
151	77	41		C	FIELD,ACCHI&X3	7	0387	C 642	2G9		6	642	279+3
152	77	42		BE	CARDS	5	0394	B 603	S		6	603	
153	77	43		BM	GETM,ACCHI&X3	8	0399	V 620	2G9 K		6	620	279+3
154	77	44		MZ	ZERO,ACCHI&X3	7	0407	Y 637	2G9		7	637	279+3
155	77	45		C	699,ACCHI&X3	7	0414	C 699	2G9		7	699	279+3
156	77	46		BE	GETM	5	0421	B 620	S		7	620	
157	77	47		SW	22	4	0426	, 022			7	022	
158	77	48		MCW	GM,22	7	0430	M 680	022		7	680	022
159	77	49	SERCH	RT	1,1	8	0437	M %U1	001 R		7	%U1	001
160	77	50		BEF	OUT	5	0445	B 478	K		8	478	
161	77	51		C	10,@LIB@	7	0450	C 010	648		8	010	648
162	77	52		BU	SERCH	5	0457	B 437	/		8	437	
163	77	53		C	17,ACCHI&X3	7	0462	C 017	2G9		8	017	279+3
164	77	54		BE	T1	5	0469	B 498	S		8	498	
165	77	55		B	SERCH	4	0474	B 437			8	437	
166	77	56	OUT	NOP	CARDS	4	0478	N 603			8	603	
167	77	57		MCW	TPERM,OUT	V3M4	7	0482	M 581	478	9	581	478
168	77	58		RWD	1	5	0489	U %U1	R		9	%U1	
169	77	59		B	SERCH	4	0494	B 437			9	437	
170	77	60	T1	LCA	ZEROS,101	7	0498	L 641	101		9	641	101
171	77	61		LCA	ZEROS	4	0505	L 641			9	641	
172	77	62		LCA	ZEROS	4	0509	L 641			9	641	
173	77	63		RTW	1,333	8	0513	L %U1	333 R		9	%U1	333
174	77	64		BER	ERR	5	0521	B 557	L		10	557	
175	77	65		MCW	ZERO,CTRR	7	0526	M 637	641		10	637	641
176	77	66		SBR	TPERM-1,T2	7	0533	H 580	540		10	580	540
177	77	67	T2	RTW	1,700	8	0540	L %U1	700 R		10	%U1	700
178	77	68		BER	ERR	5	0548	B 557	L		10	557	
179	77	69	TBOOT	B	000	4	0553	B 000		FROM LIBED	10	000	
180	77	70	ERR	A	*-6,CTRR	7	0557	A 557	641		11	557	641
181	77	71		BCE	TPERM,CTRR,9	8	0564	B 581	641 9		11	581	641
182	77	72		BSP	1	5	0572	U %U1	B		11	%U1	
183	77	73		B	T1	4	0577	B 498			11	498	
184	77	74	TPERM	H	TPERM	4	0581	. 581			11	581	
185	77	75	ARRAY	MCW	3&X2,ADR3	7	0585	M 0!3	359		11	003+2	359
186	77	76		MZ	ZERO,ADR3-1	7	0592	Y 637	358		12	637	358
187	77	77		B	CLEAR	4	0599	B 356			12	356	
188	77	78	CARDS	SW	1	4	0603	, 001			12	001	
189	77	79		R		1	0607	1			12		
190	77	80		BCE	1,1,,	8	0608	B 001	001 ,		12	001	001
191	77	81		B	CARDS	4	0616	B 603			12	603	
192	77	82	GETM	RWD	1	5	0620	U %U1	R		12	%U1	
193	77	83		RTW	1,1	8	0625	L %U1	001 R		13	%U1	001

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
194	77	84		B	1 EXECUTE MONITOR PROGRAM	4		0633	B 001		13	001	
195	77	85	ADR3	EQU	CLEAR&3			0359					
196	77	86	FIELD	DCW	@000000@	6		0642			13		
197	77	87	ZEROS	EQU	FIELD-1			0641					
198	77	88	ZERO	EQU	ZEROS-4			0637					
199	77	89	CTRR	EQU	ZEROS			0641					
200	77	90	ACCHI	EQU	279			0279					
201	77	91		LTORG	*				0643				
				DCW	@699@	3		0645		LIT	13		
				DCW	@LIB@	3		0648		LIT	13		
202	77	92		ORG	GM61B				0680				
203	77	94	GM	DCW	@}@	1		0680		GMARK	14		
204	77	95		XFR	AFTOVL				B S00		15	1200	

SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS
)0J002	0207: 0	)1J002	0251: 0	)2J002	0258: 0	)6K002	0700: 0	)6L002	0704: 0	)6M002	0728: 0
)8J002	0265: 0	)8K002	0281: 0	)9R002	0285: 0	ACCHI	0279: 0	ADR3	0359: 0	AFTOVL	1200: 0
ARRAY	0585: 0	BEGN61	0838: 0	CARDS	0603: 0	CLEAR	0356: 0	CTRR	0641: 0	ERR	0557: 0
FIELD	0642: 0	GETM	0620: 0	GM	0680: 0	GM61B	0680: 0	GOTXL	0185: 0	LOADAD	0286: 0
OUT	0478: 0	PHS61B	0201: 0	SERCH	0437: 0	SKIP61	0953: 0	START	0337: 0	T1	0498: 0
T2	0540: 0	TBOOT	0553: 0	TPERM	0581: 0	XL2	0094: 0	ZERO	0637: 0	ZEROS	0641: 0

## UNREFERENCED SYMBOLS

BEGN61 START TBOOT