

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

1401 FORTRAN LIB TAPE GENERATOR	50953	PAGE	1
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SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
101	1	01	000	JOB	1401 FORTRAN LIB TAPE GENERATOR						
102	1	02		CTL	645 11						
103	1	03		ORG	101				0101		
104	1	04	CCORE	CS	000	4		0101	/ 000		4
105	1	05		SBR	CCORE&3	4		0105	H 104		4
106	1	06		C	CCORE&3,@699@	7		0109	C 104 281		4
107	1	07		BU	CCORE	5		0116	B 101 /		4
108	1	08		R		1		0121	1		4
109	1	09	RDBUT	R		1		0122	1		4
110	1	10		BCE	SAVE,40,/	8		0123	B 142 040 /		4
111	1	11		SBR	71,RDBUT&1	7		0131	H 071 123		5
112	1	12		B	40	4		0138	B 040		5
113	1	13	SAVE	SW	041	4		0142	, 041		5
114	1	14		MCW	43,TBOOT&3	7		0146	M 043 556		5
115	1	15		CW	41	4		0153	) 041		5
116	1	16		MCW	PARAM&2,CCORE&3	7		0157	M 688 104		5
117	1	17	REC	WTW	1,333	8		0164	L %U1 333 W		6
118	1	18		BER	ERR	5		0172	B 236 L		6
119	1	19		WTW	1,700	8		0177	L %U1 700 W		6
120	1	20		BER	ERR	5		0185	B 236 L		6
121	1	21		BLC	LSTCD	5		0190	B 261 A		6
122	1	22	COMP	R		1		0195	1		6
123	1	23		C	10,@LIB@	7		0196	C 010 284		6
124	1	24		BU	NOLIB	5		0203	B 275 /		7
125	1	25		LCA	@ @,20	7		0208	L 285 020		7
126	1	26		WTW	1,1	8		0215	L %U1 001 W		7
127	1	27		BER	ERR	5		0223	B 236 L		7
128	1	28		CW	20	4		0228	) 020		7
129	1	29		B	CCORE	4		0232	B 101		7
130	1	30	*								
131	1	31	ERR	SBR	ERRTN&3	4		0236	H 260		7
132	1	32		MA	@I8G@,ERRTN&3	7		0240	# 288 260		8
133	1	33		BSP	1	5		0247	U %U1 B		8
134	1	34		SKP	1	5		0252	U %U1 E		8
135	1	35	ERRTN	B	0	4		0257	B 000		8
136	1	36	*								
137	1	37	LSTCD	WTM	1	5		0261	U %U1 M		8
138	1	38		RWD	1	5		0266	U %U1 R		8
139	1	39		H	9999	4		0271	. Z9R		8
140	1	40	*								
141	1	41	NOLIB	H	COMP	4		0275	. 195		9
142	1	32	*								
143	1	43	TBOOT	EQU	553			0553			
144	1	44		LTORG	*				0279		
				DCW	@699@	3		0281		LIT	9
				DCW	@LIB@	3		0284		LIT	9
				DCW	@ @	1		0285		LIT	9

SEQ	PG	LIN	LABEL	OP	OPERANDS
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SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
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			DCW	@I8G@	
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	3	0288		LIT	9
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SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
145	1	45		JOB	FIRST PART OF MONITOR						
146	1	46	*								
147	1	47	*		FIRST RECORD OF MONP1						
148	1	48	XXX	EQU	000			0000			
149	1	49	XL1	EQU	089			0089			
150	1	50	XL2	EQU	094			0094			
151	1	51	XL3	EQU	099			0099			
152	1	52		ORG	333				0333		
153	1	53		BSS	DUMP,G	5		0333	B 398	G	10
154	1	54		SW	274&X3	4		0338	, 2G4		10
155	1	55		C	BLANK#6,279&X3	7		0342	C 660	2G9	10
156	1	56		BE	GETM2	5		0349	B 377	S	10
157	1	57		MZ	BLANK,279&X3	7		0354	Y 660	2G9	10
158	1	58		C	699,279&X3	7		0361	C 699	2G9	10
159	1	59		CW	274&X3	4		0368	) 2G4		10
160	1	60		BE	DUMP	5		0372	B 398	S	11
161	1	61	GETM2	RTW	1,1	8		0377	L %U1	001 R	11
162	1	62		BER	*&5	5		0385	B 394	L	11
163	1	63		B	1	4		0390	B 001		11
164	1	64		H	999	4		0394	. 999		11
165	1	65	DUMP	CC	1	2		0398	F 1		11
166	1	66		W		1		0400	2		11
167	1	67		WM		2		0401	2 )		12
168	1	68		CC	K	2		0403	F K		12
169	1	69		CS	332	4		0405	/ 332		12
170	1	70		CS		1		0409	/		12
171	1	71		MCW	XL1,289	7		0410	M 089	289	12
172	1	72		MCW	XL2,294	7		0417	M 094	294	12
173	1	73		MCW	XL3,299	7		0424	M 099	299	12
174	1	74		W		1		0431	2		13
175	1	75		CC	K	2		0432	F K		13
176	1	76	INITL	MCW	@000@,LINCT-2	7		0434	M 663	652	13
177	1	77		SBR	XL1,1	7		0441	H 089	001	13
178	1	78		SBR	XL3,202	7		0448	H 099	202	13
179	1	79		ZA	&2,PGCTR#2	7		0455	? 664	666	13
180	1	80	NULIN	CS	332	4		0462	/ 332		13
181	1	81		CS		1		0466	/		14
182	1	82		CC	J	2		0467	F J		14
183	1	83		MCW	LINCT,306	7		0469	M 654	306	14
184	1	84		MCW		1		0476	M		14
185	1	85		SBR	MVHED&6	4		0477	H 494		14
186	1	86		MCW	@9@, CTR-1	7		0481	M 667	670	14
187	1	87	MVHED	MCW	CTR-1,XXX	7		0488	M 670	000	14
188	1	88		MCW	HEAD	4		0495	M 647		15
189	1	89		SBR	MVHED&6	4		0499	H 494		15
190	1	90		A	@I0@, CTR#2	7		0503	A 669	671	15
191	1	91		BWZ	MVHED, CTR-1, 2	8		0510	V 488	670 2	15
192	1	92		A	&1,LINCT-2	7		0518	A 672	652	15
193	1	93		W		1		0525	2		15
194	1	94	LOOP	SW	0&X3	4		0526	, 0?0		15

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
195	1	95		MCW	0&X1,0&X3	7		0530	M 0 0 0?0		16
196	1	96		BW	CMPAB,0&X1	8		0537	V 549 0 0 1		16
197	1	97		CW	0&X3	4		0545	) 0?0		16
198	1	98	CMPAB	C	XL1,PARAM&2	7		0549	C 089 688		16
199	1	99		BU	CPL	5		0556	B 575 /		16
200	2	00		W		1		0561	2		16
201	2	01		WM		2		0562	2 )		16
202	2	02	RSTRX	CS	332	4		0564	/ 332		17
203	2	03		CS		1		0568	/		17
204	2	04		CC	1	2		0569	F 1		17
205	2	05		B	GETM2	4		0571	B 377		17
206	2	06	CPL	SBR	XL1, 1&X1	7		0575	H 089 0 1		17
207	2	07		BCE	INC, XL3-2, 2	8		0582	B 628 097 2		17
208	2	08		SBR	XL3, 201	7		0590	H 099 201		17
209	2	09		W		1		0597	2		18
210	2	10		WM		2		0598	2 )		18
211	2	11		A	&1,PGCTR	7		0600	A 672 666		18
212	2	12		C	PGCTR,&15	7		0607	C 666 674		18
213	2	13		BU	NULIN	5		0614	B 462 /		18
214	2	14		S	PGCTR	4		0619	S 666		18
215	2	15		CCB	NULIN,1	5		0623	F 462 1		18
216	2	16	INC	A	&1,XL3	7		0628	A 672 099		19
217	2	17		B	LOOP	4		0635	B 526		19
218	2	18	HEAD	DCW	@9.....@	9		0647			19
219	2	19		DCW	@9-@	2		0649			19
220	2	20	LINCT	DCW	00000	5		0654			19
221	2	21		LTORG	*				0655		
			BLANK	DCW	#06	6		0660		AREA	19
				DCW	@000@	3		0663		LIT	19
				DCW	&2	1		0664		LIT	20
			PGCTR	DCW	#02	2		0666		AREA	20
				DCW	@9@	1		0667		LIT	20
				DCW	@I0@	2		0669		LIT	20
			CTR	DCW	#02	2		0671		AREA	20
				DCW	&1	1		0672		LIT	20
				DCW	&15	2		0674		LIT	20
				DCW	@}@	1		0675		GMARK	21
222	2	22									
223	2	23	*								
224	2	24	*		SECOND RECORD OF MONP1						
225	2	25		ORG	700				0700		
226	2	26	MON1B	RTW	1,333	8		0700	L %U1 333 R		22
227	2	27		BER	18	5		0708	B 018 L		22
228	2	28		B	333	4		0713	B 333		22
229	2	29		H	999	4		0717	. 999		22
230	2	30		NOP		1		0721	N		22
231	2	31		DCW	@}@	1		0722		GMARK	22
232	2	32	*								
233	2	33	*		BOOTSTRAP GOES HERE						
234	2	34		ORG	800				0800		
235	2	35	WMON1	RWD	1	5		0800	U %U1 R		23

## FIRST PART OF MONITOR

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SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
236	2	36		WTW	1,MON1B	8		0805	L %U1 700 W		23
237	2	37		BER	ERR	5		0813	B 236 L		23
238	2	38		WTW	1,333	8		0818	L %U1 333 W		23
239	2	39		BER	ERR	5		0826	B 236 L		23
240	2	40		WTW	1,700	8		0831	L %U1 700 W		23
241	2	41		BER	ERR	5		0839	B 236 L		24
242	2	42	RMON2	R		1		0844	1		24
243	2	43		BCE	REC,40,/	8		0845	B 164 040 /		24
244	2	44		SBR	71,RMON2&1	7		0853	H 071 845		24
245	2	45		B	40	4		0860	B 040		24
246	2	46		XFR	800				B 800		25

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
247	2	47		JOB	SECOND PART OF MONITOR						
248	2	48	*								
249	2	49	*		FIRST PART OF MONP2						
250	2	50		ORG	333				0333		
251	2	51	START	CS	80	4		0333	/ 080		28
252	2	52	SCAN	BLC	LAST	5		0337	B 476 A		28
253	2	53		R		1		0342	1		28
254	2	54		C	10,@LIB@	7		0343	C 010 608		28
255	2	55		BU	SCAN	5		0350	B 337 /		28
256	2	56		BCE	CLEAR,1,C	8		0355	B 509 001 C		28
257	2	57	SETM	SW	19	4		0363	, 019		28
258	2	58		LCA	24,699	7		0367	L 024 699		29
259	2	59		CW	19	4		0374	) 019		29
260	2	60	NOM	C	17,BLANKS#6	7		0378	C 017 614		29
261	2	61		BE	LOADC	5		0385	B 544 S		29
262	2	62	RTW	RTW	1,40	8		0390	L %U1 040 R		29
263	2	63		BER	STOP	5		0398	B 577 L		29
264	2	64		SW	GMWM	4		0403	, 600		30
265	2	65	SERCH	RT	1,BUF	8		0407	M %U1 581 R		30
266	2	66		BER	STOP	5		0415	B 577 L		30
267	2	67		BEF	HALT	5		0420	B 505 K		30
268	2	68		C	BUF&9,@LIB@	7		0425	C 590 608		30
269	2	69		BU	SERCH	5		0432	B 407 /		30
270	2	70		SW	BUF&11	4		0437	, 592		30
271	2	71		C	17,BUF&16	7		0441	C 017 597		31
272	2	72		BU	SERCH	5		0448	B 407 /		31
273	2	73	T1	CW	GMWM	4		0453	) 600		31
274	2	74		LCA	ZEROS,101	7		0457	L 605 101		31
275	2	75		LCA	ZEROS	4		0464	L 605		31
276	2	76		LCA	ZEROS	4		0468	L 605		31
277	2	77		B	40	4		0472	B 040		31
278	2	78	LAST	CS	332	4		0476	/ 332		32
279	2	79		CS		1		0480	/		32
280	2	80		CC	1	2		0481	F 1		32
281	2	81		MCW	@NO MORE LIB CARDS IN READ HOPPER@, 232	7		0483	M 646 232		32
282	2	82		W		1		0490	2		32
283	2	83		CS	299	4		0491	/ 299		32
284	2	84		MCW	@PUSH START TO READ MORE CARDS@,232	7		0495	M 675 232		32
285	2	85		W		1		0502	2		33
286	2	86		CC	1	2		0503	F 1		33
287	2	87	HALT	H	SCAN&5	4		0505	. 342		33
288	2	88	CLEAR	SW	002	4		0509	, 002		33
289	2	89		MCW	004,CLEER&3	7		0513	M 004 523		33
290	2	90	CLEER	CS	000	4		0520	/ 000		33
291	2	91		SBR	CLEER&3	4		0524	H 523		33
292	2	92		C	CLEER&3,@699@	7		0528	C 523 678		34
293	2	93		BU	CLEER	5		0535	B 520 /		34
294	2	94		B	SETM	4		0540	B 363		34
295	2	95	LOADC	CS	80	4		0544	/ 080		34
296	2	96		SW	1	4		0548	, 001		34

## SECOND PART OF MONITOR

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SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
297	2	97		R			1	0552	1		34
298	2	98		B	1		4	0553	B 001		34
299	2	99	EOF	NOP	HALT		4	0557	N 505		35
300	3	00		MCW	EOF-4, EOF		7	0561	M 553 557		35
301	3	01		RWD	1		5	0568	U %U1 R		35
302	3	02		B	SERCH		4	0573	B 407		35
303	3	03	STOP	H	999		4	0577	. 999		35
304	3	04	BUF	DCW	@ @		1	0581			35
305	3	05		DC	@		18	0599			36
306	3	06	GMWM	DC	@}@		1	0600		GMARK	36
307	3	07	ZEROS	DCW	@00000@		5	0605			36
308	3	08	PARAMA	EQU	686			0686			
309	3	09	T2	EQU	540			0540			
310	3	10		LTORG	*				0606		
				DCW	@LIB@		3	0608		LIT	36
			BLANKS	DCW	#06		6	0614		AREA	36
				DCW	@NO MORE LIB CARDS IN READ HOPPER@		32	0646		LIT	37
				DCW	@PUSH START TO READ MORE CARDS@		29	0675		LIT	38
				DCW	@699@		3	0678		LIT	38
				DCW	@}@		1	0679		GMARK	38
311	3	11									
312	3	12	*								
313	3	13	*		SECOND PART OF MONP2						
314	3	14		ORG	700				0700		
315	3	15		RTW	1, 333		8	0700	L %U1 333 R		39
316	3	16		BER	60		5	0708	B 060 L		39
317	3	17		CS	T2, 80		7	0713	/ 540 080		39
318	3	18		H	999		4	0720	. 999		39
319	3	19		NOP			1	0724	N		39
320	3	20		DCW	@}@		1	0725		GMARK	39
321	3	21	*								
322	3	22		END	0				/ 000 080		

SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS
BLANK	660	BLANKS	614	BUF	581	CCORE	101	CLEAR	509	CLEER	520	CMPAB	549
COMP	195	CPL	575	CTR	671	DUMP	398	EOF	557	ERR	236	ERRTN	257
GETM2	377	GMWM	600	HALT	505	HEAD	647	INC	628	INITL	434	LAST	476
LINCT	654	LOADC	544	LOOP	526	LSTCD	261	MON1B	700	MVHED	488	NOLIB	275
NOM	378	NULIN	462	PARAMA	686	PGCTR	666	RDBUT	122	REC	164	RMON2	844
RSTRX	564	RTW	390	SAVE	142	SCAN	337	SERCH	407	SETM	363	START	333
STOP	577	T1	453	T2	540	TBOOT	553	WMON1	800	XL1	89	XL2	94
XL3	99	XXX	0	ZEROS	605								