

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

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
					1401 AUTOCODER-PASS 7-LIST,CONDNS-INITL 1 -VERSION 3			3771L		PAGE	1
101	1	01	000		1401 AUTOCODER-PASS 7-LIST,CONDNS-INITL 1 -VERSION 3						
102	1	02		CTL	630 1						
103	1	03		*							
104	1	04		*	EQUATERS USED BY THE PROGRAM						
105	1	05		*							
106	1	06	INITAP	EQU	%U0			%U0			
107	1	07	SYSTAP	EQU	%U1			%U1			
108	1	08	ORIGTP	EQU	%U4			%U4			
109	1	09	WORKTP	EQU	%U5			%U5			
110	1	10	XTRATP	EQU	%U6			%U6			
111	1	11	FIXFRM	EQU	0			0000			
112	1	12	STLABL	EQU	FIXFRM&2			0002			
113	1	13	STSTMT	EQU	FIXFRM&5			0005			
114	1	14	COUNT	EQU	FIXFRM&7			0007			
115	1	15	ORGADD	EQU	FIXFRM&32			0032			
116	1	16	LABADD	EQU	FIXFRM&61			0061			
117	1	17	SUPADD	EQU	FIXFRM&66			0066			
118	1	18	OP	EQU	FIXFRM&67			0067			
119	1	19	AOP	EQU	FIXFRM&70			0070			
120	1	20	BOP	EQU	FIXFRM&73			0073			
121	1	21	DMOD	EQU	FIXFRM&74			0074			
122	1	22	TYPE	EQU	FIXFRM&75			0075			
123	1	23	ALTER	EQU	FIXFRM&80			0080			
124	1	24	XXXX	EQU	0			0000			
125	1	25	PRINT	EQU	200			0200			
126	1	26	ALT	EQU	PRINT&4			0204			
127	1	27	PG	EQU	PRINT&7			0207			
128	1	28	LIN	EQU	PRINT&11			0211			
129	1	29	LAB	EQU	PRINT&19			0219			
130	1	30	OPCODE	EQU	PRINT&25			0225			
131	1	31	OPRAND	EQU	PRINT&78			0278			
132	1	32	SUFFIX	EQU	PRINT&80			0280			
133	1	33	CT	EQU	PRINT&84			0284			
134	1	34	LOCN	EQU	PRINT&90			0290			
135	1	35	INOP	EQU	PRINT&93			0293			
136	1	36	INAOP	EQU	PRINT&97			0297			
137	1	37	INBOP	EQU	PRINT&101			0301			
138	1	38	INDMOD	EQU	PRINT&103			0303			
139	1	39	KIND	EQU	PRINT&109			0309			
140	1	40	CARDNO	EQU	PRINT&114			0314			
141	1	41	PUNCH	EQU	100			0100			
142	1	42	LIBRN	EQU	0			0000			
143	1	43	ZONE	EQU	189			0189			
144	1	44	XR1	EQU	89			0089			
145	1	45	XR2	EQU	94			0094			
146	1	46	XR3	EQU	99			0099			
147	1	47	*								

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					1401 AUTOCODER-PASS 7-LIST,CONDNS-INITL 1 -VERSION 3			3771L		PAGE	2
148	1	48		*	INITIALIZATION ROUTINE						
149	1	49		*							
150	1	50		ORG	1900			1900			
151	1	51	SSOP	DCW	@B@	1		1900			4
152	1	52		CS	332	4		1901 / 332			4
153	1	53		CS		1		1905 /			4
154	1	54		CS		1		1906 /			4
155	1	55		CS		1		1907 /			4
156	1	56	RTW	SYSTAP	400	8		1908 L %U1 400 R			4
157	1	57	NOP	XXXX		4		1916 N 000			4
158	1	58	BER	TPERRI		5		1920 B M03 L			5
159	1	59	CW	ENDIN2 ,LSTOP1		7		1925 ) X99 093			5
160	1	60	SW	ENDIN		4		1932 , 198			5
161	1	61	LCA	ENDIN, 333		7		1936 L 198 333			5
162	1	62	LCA	ENDIN, 181		7		1943 L 198 181			5
163	1	63	MCW	SSOP, TSTSIZ		7		1950 M 200 407			5
164	1	64	MCW	SSOP, SSAVE1		7		1957 M 200 091			6
165	1	65	CW	ENDIN		4		1964 ) 198			6
166	1	66	RWD	ORIGTP		5		1968 U %U4 R			6
167	1	67	RWD	WORKTP		5		1973 U %U5 R			6
168	1	68	RWD	XTRATP		5		1978 U %U6 R			6
169	1	69	SW	PUNCH&72, PUNCH&76		7		1983 , 172 176			6
170	1	70	A	&1, PUNCH&75		7		1990 A 096 175			7
171	1	71	B	READ4		4		1997 B T15			7
172	1	72	*								
173	1	73		*	CHECK FOR JOB CARD						
174	1	74		*							
175	1	75	C	MNEMON-2, @JOB@		7		2001 C H48 099			7
176	1	76	BU	CKCTL		5		2008 B 178 /			7
177	1	77	CW	JOBSW#1		4		2013 ) P00			7
178	1	78	RT	WORKTP, 180		8		2017 M %U5 180 R			7
179	1	79	LCA	333, 181		7		2025 L 333 181			8
180	1	80	MCW	OPERND, JOBSAV		7		2032 M 102 085			8
181	1	81	MCW	IMAGE&80, PUNCH&80		7		2039 M 110 180			8
182	1	82	MCW	ALTNO, JOBALTH#4		7		2046 M 114 P04			8
183	1	83	MCW	PAGENO, JOBPAG#2		7		2053 M H32 P06			8
184	1	84	MCW	LINENO, JOBLIN#3		7		2060 M H35 P09			9
185	1	85	MCW	LABEL, JOBLAB#6		7		2067 M H41 P15			9
186	1	86	B	READ4		4		2074 B T15			9
187	1	87	*								
188	1	88		*	CHECK FOR CONTROL CARD						
189	1	89		*							
190	1	90	CKCTL	C	MNEMON-2, @CTL@	7		2078 C H48 P18			9
191	1	91	BU	TSTSIZ		5		2085 B 407 /			9
192	1	92	CW	CTLSW#1		4		2090 ) P19			9
193	1	93	MCW	IMAGE&30, CTLSAV#10		7		2094 M H60 P29			10
194	1	94	MCW	ALTNO, CTLLALT#4		7		2101 M 114 P33			10
195	1	95	MCW	PAGENO, CTLPAG#2		7		2108 M H32 P35			10
196	1	96	MCW	LINENO, CTLLIN#3		7		2115 M H35 P38			10
197	1	97	B	READ4		4		2122 B T15			10

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
198	1	98	*								
199	1	99	*		TEST OUTPUT OPTIONS DESIRED						
200	2	00	*								
201	2	01	CHKOP	BCE	OPNTAP,LSTAPE,1	8		2126	B K14 P24 1		11
202	2	02	TSTOP	BCE	TSTSIZ,OUTOPN,0	8		2134	B 407 P22 0		11
203	2	03		BCE	CONDOP,OUTOPN,1	8		2142	B 400 P22 1		11
204	2	04		BCE	TSTSIZ,OUTOPN,2	8		2150	B 407 P22 2		11
205	2	05		BCE	CONDOP,OUTOPN,3	8		2158	B 400 P22 3		12
206	2	06		BCE	TSTSIZ,OUTOPN,4	8		2166	B 407 P22 4		12
207	2	07		BCE	CONDOP,OUTOPN,5	8		2174	B 400 P22 5		12
208	2	08		BCE	TSTSIZ,OUTOPN,6	8		2182	B 407 P22 6		12
209	2	09		BCE	CONDOP,OUTOPN,7	8		2190	B 400 P22 7		13
210	2	10		BCE	TSTSIZ,OUTOPN,	8		2198	B 407 P22		13
211	2	11		CW	CTLSWL#1	4		2206	) P39		13
212	2	12		B	TSTSIZ	4		2210	B 407		13
213	2	13		OPNTAP	CW TAPOP1	4		2214	) O92		13
214	2	14		B	TSTOP	4		2218	B J34		13
215	2	15	*								
216	2	16	*		SETUP & GET MAIN PROGRAM						
217	2	17	*								
218	2	18	GETMAN	BSP	ORIGTP	5		2222	U #U4 B		13
219	2	19		SW	FIXFRM&1, FIXFRM&6	7		2227	, 001 006		14
220	2	20		SW	FIXFRM&8, FIXFRM&14	7		2234	, 008 014		14
221	2	21		SW	FIXFRM&23, FIXFRM&57	7		2241	, 023 057		14
222	2	22		SW	FIXFRM&62, FIXFRM&67	7		2248	, 062 067		14
223	2	23		SW	FIXFRM&68, FIXFRM&71	7		2255	, 068 071		14
224	2	24		SW	FIXFRM&74	4		2262	, 074		14
225	2	25		CW	181,333	7		2266	) 181 333		15
226	2	26	MCW		KBK1, HOLDA1-1	7		2273	M O27 O23		15
227	2	27	LCA		@L0 , , 1 @, PUNCH&71	7		2280	L P71 171		15
228	2	28	LCA		@2SKB@, ZONE	7		2287	L P75 189		15
229	2	29	LCA		@0000@, XR3&2	7		2294	L P80 101		15
230	2	30	LCA		XR3&2	4		2301	L 101		15
231	2	31	LCA			1		2305	L		16
232	2	32	SW		GRPMK3	4		2306	, O95		16
233	2	33	BCE		SETOUT, CNDSW1, 1	8		2310	B L49 O33 1		16
234	2	34	BW		*&5, LSTOP1	8		2318	V L30 O93 1		16
235	2	35	B		SETOUT	4		2326	B L49		16
236	2	36	BW		*&5, TAPOP1	8		2330	V L42 O92 1		16
237	2	37	B		SETOUT	4		2338	B L49		16
238	2	38	MCW		@1@, NOOUT1	7		2342	M P81 O94		17
239	2	39	SETOUT	MCW	OUTOPN, OPNSV1	7		2349	M P22 O90		17
240	2	40	WTW		XTRATP, SAVCN1	8		2356	L #U6 O21 W		17
241	2	41	NOP		XXXX	4		2364	N 000		17
242	2	42	BER		TPERRI	5		2368	B M03 L		17
243	2	43	RWD		XTRATP	5		2373	U #U6 R		17
244	2	44	CW		GRPMK3	4		2378	) O95		18
245	2	45	RTW		SYSTAP, 201	8		2382	L #U1 201 R		18
246	2	46	NOP		XXXX	4		2390	N 000		18
247	2	47	BER		TPERRI	5		2394	B M03 L		18

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
248	2	48	B		INIT2	4		2399	B 201		18
249	2	49	*								
250	2	50	*		TAPE REDUNDANCY ROUTINE						
251	2	51	*								
252	2	52	TPERRI	SBR	XR2	4		2403	H O94		18
253	2	53		SBR	REDXI&3	4		2407	H M75		18
254	2	54		MZ	&9, XR2	7		2411	Y P82 O94		19
255	2	55		MCW	4000-10&X2, TPINSI&7	7		2418	M IR0 M66		19
256	2	56		MN	TPINSI&3, BSP1&3	7		2425	D M62 M42		19
257	2	57		MCW	TPINSI&7, INST2I&7	7		2432	M M66 N75		19
258	2	58	BSP1	BSP	INITAP	5		2439	U #U0 B		19
259	2	59		BCE	WRTRDI, TPINSI&7, W	8		2444	B N48 M66 W		20
260	2	60		MCW	&9, READCI#1	7		2452	M P82 P83		20
261	2	61	TPINSI	RT	INITAP, XXXX	8		2459	M #U0 000 R		20
262	2	62		BER	RDRERI	5		2467	B M76 L		20
263	2	63	REDXI	B	XXXX	4		2472	B 000		20
264	2	64	RDRERI	MN	TPINSI&3, BSP2I&3	7		2476	D M62 M86		20
265	2	65	BSP2I	BSP	INITAP	5		2483	U #U0 B		21
266	2	66		S	&1, READCI	7		2488	S O96 P83		21
267	2	67		BWZ	TPINSI, READCI, B	8		2495	V M59 P83 B		21
268	2	68		MN	TPINSI&3, TPHALI&6	7		2503	D M62 N16		21
269	2	69	TPHALI	H	XXXX, 790	7		2510	. 000 790		21
270	2	70		MCW	TPINSI&7, *&8	7		2517	M M66 N31		22
271	2	71		RT	INITAP, XXXX	8		2524	M #U0 000 R		22
272	2	72		BSS	BSP1, E	5		2532	B M39 E		22
273	2	73		H	XXXX, 711	7		2537	. 000 711		22
274	2	74		B	REDXI	4		2544	B M72		22
275	2	75	WRTRDI	SKP	SYSTAP	5		2548	U #U1 E		22
276	2	76		BCE	SUBCTI, WRTCTI-1, 5	8		2553	B N85 P84 5		23
277	2	77		A	&1, WRTCTI#2	7		2561	A O96 P85		23
278	2	78	INST2I	WT	INITAP, XXXX	8		2568	M #U0 000 W		23
279	2	79		BER	BSP1	5		2576	B M39 L		23
280	2	80		B	REDXI	4		2581	B M72		23
281	2	81		SUBCTI	S WRTCTI	4		2585	S P85		23
282	2	82		MN	TPINSI&3, *&7	7		2589	D M62 O02		24
283	2	83		H	XXXX, 760	7		2596	. 000 760		24
284	2	84		B	INST2I	4		2603	B N68		24
285	2	85	CLRLEG	DCW	@CLEAR STORAGE @	14		2620			24
286	2	86	HOLDA1	DCW	&0000	4		2624			24
287	2	87	KBK1	DCW	@080@	3		2627			24
288	2	88	CORSIZ	DCW	@ 3999@	5		2632			25
289	2	89	CNDSW1	DCW	@0@	1		2633			25
290	2	90	JOBSAV	DCW	#52	52		2685			27
291	2	91	ERRCT1	DCW	@0000@	4		2689			27
292	2	92	OPNSV1	DCW	@ @	1		2690			27
293	2	93	SSAVE1	DCW	@ @	1		2691			27
294	2	94	TAPOP1	DCW	@ @	1		2692			27
295	2	95	LSTOP1	DCW	@ @	1		2693			28
296	2	96	NOOUT1	DCW	@ @	1		2694			28
297	2	97	GRPMK3	DC	@]@	1		2695		GMARK	28

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
298	2	98	SAVCN1	EQU	HOLDAL-3			2621			
299	2	99		LTORG	*				2696		
				DCW	&1	1		2696		LIT	28
				DCW	@JOB@	3		2699		LIT	28
			JOBSW	DCW	#01	1		2700		AREA	28
			JOBALT	DCW	#04	4		2704		AREA	28
			JOBPAG	DCW	#02	2		2706		AREA	28
			JOBLIN	DCW	#03	3		2709		AREA	29
			JOBLAB	DCW	#06	6		2715		AREA	29
				DCW	@CTL@	3		2718		LIT	29
			CTLSW	DCW	#01	1		2719		AREA	29
			CTLSAV	DCW	#10	10		2729		AREA	29
			CTLALT	DCW	#04	4		2733		AREA	29
			CTLPAG	DCW	#02	2		2735		AREA	29
			CTLLIN	DCW	#03	3		2738		AREA	30
			CTLSWL	DCW	#01	1		2739		AREA	30
				DCW	@L0	32		2771		LIT	30
				DCW	@2SKB@	4		2775		LIT	31
				DCW	@00000@	5		2780		LIT	31
				DCW	@1@	1		2781		LIT	31
				DCW	&9	1		2782		LIT	31
			READCI	DCW	#01	1		2783		AREA	31
			WRTCTI	DCW	#02	2		2785		AREA	31
300	3	00		ORG	3831				3831		
301	3	01	INPUT4	DA	1X86				3916		
302	3	02	PAGENO		1,2					FIELD	
303	3	03	LINENO		3,5					FIELD	
304	3	04	LABEL		6,11					FIELD	
305	3	05	MNEMON		16,20					FIELD	
306	3	06	OPERND		21,72					FIELD	
307	3	07	ALTNO		81,84					FIELD	
308	3	08	IMAGE	EQU	INPUT4-1				3830		
309	3	09	FIXINP	EQU	IMAGE&87&X3				3917	X	
310	3	10	INPUT5	EQU	FIXINP&1&X0				3918		
311	3	11	PROSIZ	EQU	CTLSAV-9				2720		
312	3	12	OBJSIZ	EQU	CTLSAV-8				2721		
313	3	13	OUTOPN	EQU	CTLSAV-7				2722		
314	3	14	LSTAPE	EQU	CTLSAV-5				2724		
315	3	15	ENDIN	EQU	3998				3998		
316	3	16	3998	DCW	@}@	1		3998		GMARK	33
317	3	17	XFR		LIBRN				B 000		34

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
318	3	18		JOB	1401 AUTOCODER-PASS 7-LIST,CONDNS-INITL 2 -VERSION 3						
319	3	19		ORG	400				0400		
320	3	20		*							
321	3	21		* CONDENSE	OPTION						
322	3	22		*							
323	3	23	CONDOP	MCW	@1@,CNDSW1	7		0400	M T64 O33		37
324	3	24		*							
325	3	25		* TEST	OBJECT MACHINE SIZE						
326	3	26		*							
327	3	27	TSSTSIZ	BSS	SENSW,F	5		0407	B /03 F		37
328	3	28		BW	*&3,LSTOP1	8		0412	V 422 O93 1		37
329	3	29		CC	1	2		0420	F 1		37
330	3	30		MCW	@1@,PRINT&15	7		0422	M T64 215		37
331	3	31		MCW	CLREK	4		0429	M O20		37
332	3	32		MCW	@1@,200	7		0433	M T64 200		38
333	3	33		BW	IS4K,CTLSW	8		0440	V 544 P19 1		38
334	3	34		C	OBJSIZ,@3@	7		0448	C P21 T65		38
335	3	35		BL	OVER4K	5		0455	B 464 T		38
336	3	36		B	IS4K	4		0460	B 544		38
337	3	37	OVER4K	C	OBJSIZ,@6@	7		0464	C P21 T66		38
338	3	38		BL	BADCTL	5		0471	B 540 T		39
339	3	39		MCW	@,053053N00000N00001026@,PUNCH&52	7		0476	M T89 152		39
340	3	40		LCA	@,008015,022026,030037,044,049@	4		0483	L U18		39
341	3	41		MCW	PUNCH&52,PRINT&72	7		0487	M 152 272		39
342	3	42		B	PRTPNH	4		0494	B S17		39
343	3	43		MCW	@1,001/001117I0?@,PUNCH&71	7		0498	M U33 171		39
344	3	44		MCW	@#071029C029056B026/B001/099@	4		0505	M U60		39
345	3	45		LCA	@L068116,105106,110117B101/I9I@	4		0509	L U89		40
346	3	46		BCE	IS8K,OBJSIZ,4	8		0513	B 651 P21 4		40
347	3	47		BCE	IS12K,OBJSIZ,5	8		0521	B 669 P21 5		40
348	3	48		MCW	@15@,CORSIZ-3	7		0529	M U91 O29		40
349	3	49		B	CLRST2	4		0536	B 683		40
350	3	50	BADCTL	CW	CTLSW1	4		0540	) P39		40
351	3	51	IS4K	MCW	@,0570571026@,PUNCH&44	7		0544	M V02 144		41
352	3	52		LCA	@,008015,019026,030,034041,045,053@	4		0551	L V35		41
353	3	53		MCW	PUNCH&44,PRINT&64	7		0555	M 144 264		41
354	3	54		B	PRTPNH	4		0562	B S17		41
355	3	55		MCW	@B0010270B0261,001/001113I0@,PUNCH&70	7		0566	M V61 170		41
356	3	56		LCA	@L068112,102106,113/101099/I99,027A070028)027@	4		0573	L W05		41
357	3	57		BCE	CLRST2,OBJSIZ,3	8		0577	B 683 P21 3		42
358	3	58		MZ	@S@,PUNCH&27	7		0585	Y W06 127		42
359	3	59		MCW	@1@,CORSIZ-3	7		0592	M T64 O29		42
360	3	60		BCE	CLRST2,OBJSIZ,2	8		0599	B 683 P21 2		42
361	3	61		MCW	@T@,PUNCH&27	7		0607	M W07 127		42
362	3	62		MCW	@3@,CORSIZ-2	7		0614	M T65 O30		43
363	3	63		BCE	CLRST2,OBJSIZ,1	8		0621	B 683 P21 1		43
364	3	64		CW	CTLSW1	4		0629	) P39		43
365	3	65		MCW	@1@,PUNCH&27	7		0633	M W08 127		43
366	3	66		MCW	@39@,CORSIZ-2	7		0640	M W10 O30		43
367	3	67		B	CLRST2	4		0647	B 683		43

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
368	3	68	IS8K	MZ	@S@,PUNCH&29	7		0651	Y W06 129		44
369	3	69		MCW	@7@,CORISIZ-3	7		0658	M W11 029		44
370	3	70		B	CLRST2	4		0665	B 683		44
371	3	71	IS12K	MZ	@K@,PUNCH&29	7		0669	Y W12 129		44
372	3	72		MCW	@11@,CORISIZ-3	7		0676	M W14 029		44
373	3	73	CLRST2	MCW	PUNCH&71,PRINT&91	7		0683	M 171 291		44
374	3	74		MCW	@2@,PRINT&15	7		0690	M W15 215		45
375	3	75		MCW	CLRLEG	4		0697	M 020		45
376	3	76		B	PRTPNH	4		0701	B S17		45
377	3	77		MCW	@,0010011040@,PUNCH&71	7		0705	M W26 171		45
378	3	78		MCW	@,061068,072/061039@,PUNCH&46	7		0712	M W44 146		45
379	3	79		LCA	@,008015,022029,036040,047054@	4		0719	L W72		45
380	3	80		MCW	PUNCH&71,PRINT&91	7		0723	M 171 291		46
381	3	81		MCW	@BOOTSTRAP@,PRINT&9	7		0730	M W81 209		46
382	3	82		B	PRTPNH	4		0737	B S17		46
383	3	83		BW	*&3,LSTOP1	8		0741	V 751 093 1		46
384	3	84		CC	K	2		0749	F K		46
385	3	85		BW	DOHEAD,CTLSW	8		0751	V 818 P19 1		46
386	3	86		*							
387	3	87		*	TEST PROCESSOR MACHINE SIZE						
388	3	88		*							
389	3	89		C	PROSIZ,@3@	7		0759	C P20 T65		47
390	3	90		BE	DOHEAD	5		0766	B 818 S		47
391	3	91		BH	BADPRO	5		0771	B 814 U		47
392	3	92		C	PROSIZ,@6@	7		0776	C P20 T66		47
393	3	93		BL	BADPRO	5		0783	B 814 T		47
394	3	94		MCW	@400@,KBLK1	7		0788	M W84 027		47
395	3	95		BCE	DOHEAD,PROSIZ,4	8		0795	B 818 P20 4		48
396	3	96		A	@400@,KBLK1	7		0803	A W84 027		48
397	3	97		B	DOHEAD	4		0810	B 818		48
398	3	98	BADPRO	CW	CTLSW1	4		0814	) P39		48
399	3	99		*							
400	4	00		*	PRINT HEADING, JOB & CONTROL CARDS						
401	4	01		*							
402	4	02	DOHEAD	MCW	@1@,PRINT&114	7		0818	M T64 314		48
403	4	03		MCW	@PAGE@,PRINT&109	7		0825	M W88 309		48
404	4	04		MCW	JOBSAV,OPRAND	7		0832	M 085 278		49
405	4	05		MCW	PUNCH&80,LOCN	7		0839	M 180 290		49
406	4	06		MCW	@0@,200	7		0846	M W89 200		49
407	4	07		B	PRINT2	4		0853	B '61		49
408	4	08		BW	*&3,LSTOP1	8		0857	V 867 093 1		49
409	4	09		CC	K	2		0865	F K		49
410	4	10		CS	PRINT&78	4		0867	/ 278		49
411	4	11		MCW	@SFX CT LOCN INSTRUCTION TYPE CARD@,PRINT&114	7		0871	M X25 314		50
412	4	12		MCW	@SEQ PG LIN LABEL OP OPERANDS@,PRINT&34	7		0878	M X58 234		50
413	4	13		MCW	@0@,200	7		0885	M W89 200		50
414	4	14		B	PRINT2	4		0892	B '61		50
415	4	15		CS	PRINT&132	4		0896	/ 332		50
416	4	16		CS		1		0900	/		50
417	4	17		B	PRINT2	4		0901	B '61		50

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
418	4	18		BW	TSTCTL,JOBSW	8		0905	V 970 P00 1		51
419	4	19		MCS	JOBALT,ALT	7		0913	Z P04 204		51
420	4	20		MCS	JOBPAG,PG	7		0920	Z P06 207		51
421	4	21		MZ	JOBPAG,PG	7		0927	Y P06 207		51
422	4	22		MCW	JOBLIN,LIN	7		0934	M P09 211		51
423	4	23		MCW	JOBLAB,LAB	7		0941	M P15 219		52
424	4	24		MCW	@JOB@,OPCODE-2	7		0948	M X61 223		52
425	4	25		MCW	JOBSAV,OPRAND	7		0955	M 085 278		52
426	4	26		B	PRINT2	4		0962	B '61		52
427	4	27		CS	OPRAND	4		0966	/ 278		52
428	4	28	TSTCTL	BW	NOCNTL,CTLSW	8		0970	V '50 P19 1		52
429	4	29		MCS	CTLALT,ALT	7		0978	Z P33 204		53
430	4	30		MCS	CTLPAG,PG	7		0985	Z P35 207		53
431	4	31		MZ	CTLPAG,PG	7		0992	Y P35 207		53
432	4	32		MCW	CTLLIN,LIN	7		0999	M P38 211		53
433	4	33		MCW	CTLSAV,PRINT&36	7		1006	M P29 236		53
434	4	34		MCW	@CTL@,OPCODE-2	7		1013	M X64 223		54
435	4	35		BW	CTLPNT,CTLSW1	8		1020	V '42 P39 1		54
436	4	36		MCW	@BAD STATEMENT@,PRINT&128	7		1028	M X77 328		54
437	4	37	ERRCTL	A	&1,ERRCTL1	7		1035	A X78 089		54
438	4	38	CTLPNT	B	PRINT2	4		1042	B '61		54
439	4	39		B	GETMAN	4		1046	B K22		54
440	4	40	NOCNTL	MCW	@NO CONTROL CARD@,PRINT&130	7		1050	M X93 330		55
441	4	41		B	ERRCTL	4		1057	B '35		55
442	4	42	PRINT2	SBR	PNT2XT&3	4		1061	H /02		55
443	4	43		BW	*&2,LSTOP1	8		1065	V '74 093 1		55
444	4	44		W		1		1073	2		55
445	4	45		BW	PNT2XT,TAPOP1	8		1074	V '99 092 1		55
446	4	46		WT	3,200	8		1082	M X03 200 W		56
447	4	47		NOP	XXXX	4		1090	N 000		56
448	4	48		BER	TPERRI	5		1094	B M03 L		56
449	4	49	PNT2XT	B	XXXX	4		1099	B 000		56
450	4	50		*							
451	4	51		*	TEST SENSE SWITCHES FOR OUTPUT OPTIONS						
452	4	52		*							
453	4	53	SENSW	LCA	@0@,OUTOPN	7		1103	L W89 P22		56
454	4	54		LCA	@0@,CNDSW1	7		1110	L W89 033		56
455	4	55		MCW	@ @,LSTAPE	7		1117	M X94 P24		57
456	4	56		SW	TAPOP1	4		1124	, 092		57
457	4	57		BSS	ADD1,B	5		1128	B /68 B		57
458	4	58	TSTSSC	BSS	ADD2,C	5		1133	B /79 C		57
459	4	59	TSTSSG	BSS	ADD4,G	5		1138	B /90 G		57
460	4	60	TSTSSD	BSS	LSTAP,D	5		1143	B S01 D		57
461	4	61	TSTSSE	BSS	SUPLST,E	5		1148	B S09 E		57
462	4	62	SSXT	CW	OUTOPN	4		1153	) P22		58
463	4	63		MCW	@N@,TSTSIZ	7		1157	M X95 407		58
464	4	64		B	CHOP	4		1164	B J26		58
465	4	65	ADD1	A	&1,OUTOPN	7		1168	A X78 P22		58
466	4	66		B	TSTSSC	4		1175	B /33		58
467	4	67	ADD2	A	&2,OUTOPN	7		1179	A X96 P22		58

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
468	4	68		B	TSTSSG			4 1186	B /38		58
469	4	69	ADD4	A	&4,OUTOPN			7 1190	A X97 P22		59
470	4	70		B	TSTSSD			4 1197	B /43		59
471	4	71	LSTAP	CW	TAPOP1			4 1201	) O92		59
472	4	72		B	TSTSSSE			4 1205	B /48		59
473	4	73	SUPLST	SW	LSTOP1			4 1209	, O93		59
474	4	74		B	SSXT			4 1213	B /53		59
475	4	75		*							
476	4	76		*	PRINT AND/OR PUNCH						
477	4	77		*							
478	4	78	PRTPNH	SBR	EXIT&3			4 1217	H T14		59
479	4	79		MCS	PUNCH&75,CARDNO			7 1221	Z 175 314		60
480	4	80		BW	*&2,LSTOP1			8 1228	V S37 O93 1		60
481	4	81		W				1 1236	2		60
482	4	82		BW	PUNCH1,TAPOP1			8 1237	V S86 O92 1		60
483	4	83		WT	3,200			8 1245	M #U3 200 W		60
484	4	84		NOP	XXXX			4 1253	N 000		60
485	4	85		BER	TPERRI			5 1257	B M03 L		61
486	4	86		MCW	@&@,100			7 1262	M X98 100		61
487	4	87		WT	3,100			8 1269	M #U3 100 W		61
488	4	88		NOP	XXXX			4 1277	N 000		61
489	4	89		BER	TPERRI			5 1281	B M03 L		61
490	4	90	PUNCH1	BCE	*&2,CNDSW1,0			8 1286	B S95 O33 0		61
491	4	91		P				1 1294	4		61
492	4	92		A	&1,PUNCH&75			7 1295	A X78 175		62
493	4	93		CS	PRINT&132			4 1302	/ 332		62
494	4	94		CS				1 1306	/		62
495	4	95		CS	PUNCH&71			4 1307	/ 171		62
496	4	96	EXIT	B	XXXX			4 1311	B 000		62
497	4	97		*							
498	4	98		*	READ ORIGINAL TAPE						
499	4	99		*							
500	5	00	READ4	SBR	READ4X&3			4 1315	H T39		62
501	5	01		RT	ORIGTP,INPUT4			8 1319	M #U4 H31 R		62
502	5	02		B	CHKLG			4 1327	B T40		63
503	5	03		BER	TPERRI			5 1331	B M03 L		63
504	5	04	READ4X	B	XXXX			4 1336	B 000		63
505	5	05	CHKLG	BCE	READ4&4,INPUT4&12,}			8 1340	B T19 H43 }	GMARK	63
506	5	06		CHAIN	12					MACRO	
507				BCE				1 1348	B	GEN	63
508				BCE				1 1349	B	GEN	63
509				BCE				1 1350	B	GEN	63
510				BCE				1 1351	B	GEN	64
511				BCE				1 1352	B	GEN	64
512				BCE				1 1353	B	GEN	64
513				BCE				1 1354	B	GEN	64
514				BCE				1 1355	B	GEN	64
515				BCE				1 1356	B	GEN	64
516				BCE				1 1357	B	GEN	64
517				BCE				1 1358	B	GEN	65

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
518				BCE				1 1359	B	GEN	65
519	5	07		B	READ4X-5			4 1360	B T31		65
520	5	08		LTORG	*				1364		
				DCW	@1@			1 1364		LIT	65
				DCW	@3@			1 1365		LIT	65
				DCW	@6@			1 1366		LIT	65
				DCW	0,053053N000000N00001026@			23 1389		LIT	65
				DCW	0,008015,022026,030037,044,049@			29 1418		LIT	66
				DCW	01,001/001117I07@			15 1433		LIT	67
				DCW	0#071029C029056B026/B001/099@			27 1460		LIT	68
				DCW	0L068116,105106,110117B101/I9I@			29 1489		LIT	69
				DCW	015@			2 1491		LIT	69
				DCW	0,0570571026@			11 1502		LIT	70
				DCW	0,008015,019026,030,034041,045,053@			33 1535		LIT	71
				DCW	0B0010270B0261,001/001113I0@			26 1561		LIT	72
				DCW	0L068112,102106,113/101099/I99,027A070028)027@			44 1605		LIT	74
				DCW	0S@			1 1606		LIT	74
				DCW	0T@			1 1607		LIT	74
				DCW	0I@			1 1608		LIT	74
				DCW	039@			2 1610		LIT	74
				DCW	07@			1 1611		LIT	75
				DCW	0K@			1 1612		LIT	75
				DCW	011@			2 1614		LIT	75
				DCW	02@			1 1615		LIT	75
				DCW	0,0010011040@			11 1626		LIT	75
				DCW	0,061068,072/061039@			18 1644		LIT	75
				DCW	0,008015,022029,036040,047054@			28 1672		LIT	76
				DCW	0BOOTSTRAP@			9 1681		LIT	76
				DCW	0400@			3 1684		LIT	77
				DCW	0PAGE@			4 1688		LIT	77
				DCW	00@			1 1689		LIT	77
				DCW	0SFX CT LOCN INSTRUCTION TYPE CARD@			36 1725		LIT	78
				DCW	0SEQ PG LIN LABEL OP OPERANDS@			33 1758		LIT	79
				DCW	0JOB@			3 1761		LIT	79
				DCW	0CTL@			3 1764		LIT	79
				DCW	0BAD STATEMENT@			13 1777		LIT	80
				DCW	01			1 1778		LIT	80
				DCW	0NO CONTROL CARD@			15 1793		LIT	80
				DCW	0@			1 1794		LIT	80
				DCW	0N@			1 1795		LIT	80
				DCW	02			1 1796		LIT	80
				DCW	04			1 1797		LIT	80
				DCW	0&@			1 1798		LIT	81
521	5	09	ENDIN2	DCW	0}@			1 1799		GMARK	81
522	5	10	XFR		LIBRN				B 000		82

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
523	5	11		JOB	1401 AUTOCODER-PASS 7 PROCESS EX/END						
524	5	12		ORG	LSIOCS				0794		
525	5	13		*							
526	5	14		* EX, END CARDS							
527	5	15		*							
528	5	16	EXEND	MCW	@B@,INOP	7		0794	M D12 293		85
529	5	17		MCW	@B@,HOLDH&1	7		0801	M D12 D93		85
530	5	18		BCE	SETAOP,TYPE,C	8		0808	B 830 075 C		85
531	5	19		MCW	@/ 080@,INBOP	7		0816	M D21 301		85
532	5	20		MCW	@/ 080@,HOLDH&7	7		0823	M D28 D99		85
533	5	21	SETAOP	MCW	AOP,INAOP	7		0830	M 070 297		86
534	5	22		MCW	AOP,HOLDH&4	7		0837	M 070 D96		86
535	5	23		BCE	SYMUND,AOP,#	8		0844	B L09 070 #		86
536	5	24		B	SETLOC	4		0852	B U18		86
537	5	25		B	CONDNS	4		0856	B L54		86
538	5	26		B	PRNTLN	4		0860	B Y54		86
539	5	27		BCE	GETOV1,TYPE,C	8		0864	B Z63 075 C		87
540	5	28		CC	1	2		0872	F 1		87
541	5	29		MCW	@1@,200	7		0874	M D29 200		87
542	5	30		MCS	ERRCNT,PRINT&4	7		0881	Z C66 204		87
543	5	31		C	PRINT&4,BLANK4#4	7		0888	C 204 D33		87
544	5	32		BU	SETERH	5		0895	B 945 /		87
545	5	33	TSTCOR	BW	EOJOB,ADDRSW#1	8		0900	V 928 D34 1		88
546	5	34		MCW	WORD1,PRINT&20	7		0908	M S49 220		88
547	5	35		B	WTAPE	4		0915	B J24		88
548	5	36		BW	*&2,LSTOP	8		0919	V 928 C70 1		88
549	5	37		W		1		0927	2		88
550	5	38	EOJOB	BW	RESET,TAPOP	8		0928	V 543 C69 1		88
551	5	39		WTM	3	5		0936	U 803 M		89
552	5	40		B	RESET	4		0941	B 543		89
553	5	41	SETERH	MCW	@ERRORS@,PRINT&11	7		0945	M D40 211		89
554	5	42		C	PRINT&4,@ 1@	7		0952	C 204 D44		89
555	5	43		BU	*&8	5		0959	B 971 /		89
556	5	44		MCW	BLANK1,PRINT&11	7		0964	M D30 211		89
557	5	45		B	WTAPE	4		0971	B J24		89
558	5	46		BW	*&2,LSTOP	8		0975	V 984 C70 1		90
559	5	47		W		1		0983	2		90
560	5	48		CS	PRINT&11	4		0984	/ 211		90
561	5	49		B	TSTCOR	4		0988	B 900		90
562	5	50		*							
563	5	51		* CONDENSE EX, END CARDS							
564	5	52		*							
565	5	53	NOCARD	C	WMLOC,AWMSTR	7		0992	C C75 C78		90
566	5	54		BE	TSTEND	5		0999	B '20 S		90
567	5	55		CW	NEWSW	4		1004	) G27		90
568	5	56	ENDRTM	BW	NOCARD,NEWSW	8		1008	V 992 G27 1		91
569	5	57		B	PUNCH	4		1016	B P62		91
570	5	58	TSTEND	BCE	EXCUTE,TYPE,C	8		1020	B '57 075 C		91
571	5	59		CS	PUNCH&71	4		1028	/ 171		91
572	5	60		MCW	HOLDH&7,PUNCH&46	7		1032	M D99 146		91

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
573	5	61		MCS	PUNCH&75,CARDNO	7		1039	Z 175 314		91
574	5	62		SBR	PNHXT&3,LSTCD	7		1046	H Q90 S11		92
575	5	63		B	TSTPCH	4		1053	B Q21		92
576	5	64	EXCUTE	MCE	WMSTR,PUNCH&71	7		1057	E D11 171		92
577	5	65		MCW	@N000000@,PUNCH&46	7		1064	M D51 146		92
578	5	66		MCW	HOLDH&4,PUNCH&71	7		1071	M D96 171		92
579	5	67		MCS	PUNCH&75,CARDNO	7		1078	Z 175 314		92
580	5	68		SBR	PNHXT&3,EXOUT	7		1085	H Q90 '96		93
581	5	69		B	TSTPCH	4		1092	B Q21		93
582	5	70		*							
583	5	71		* PUNCH COMPATIBILITY CARDS							
584	5	72		*							
585	5	73	EXOUT	CS	PUNCH&71	4		1096	/ 171		93
586	5	74		B	READOG	4		1100	B B09		93
587	5	75		BSP	ORIGTP	5		1104	U 804 B		93
588	5	76		C	MNEMON-2,@JOB@	7		1109	C H48 D54		93
589	5	77		BU	*&8	5		1116	B /28 /		93
590	5	78		MCW	IMAGE&80,PUNCH&80	7		1121	M I10 180		94
591	5	79		MCW	WORD2,PUNCH&39	7		1128	M S88 139		94
592	5	80		LCA	WORD3,PUNCH&66	7		1135	L S99 166		94
593	5	81		MCW	PUNCH&66,PUNCH&50	7		1142	M 166 150		94
594	5	82		BCE	*&2,CONDSW,0	8		1149	B /58 C10 0		94
595	5	83		P		1		1157	4		94
596	5	84		B	WTAP2	4		1158	B ?43		95
597	5	85		CS	PUNCH&66	4		1162	/ 166		95
598	5	86		A	&1,PUNCH&75	7		1166	A D55 175		95
599	5	87		MCW	WORD4,PUNCH&21	7		1173	M T20 121		95
600	5	88		MCW	WORD5,PUNCH&71	7		1180	M T31 171		95
601	5	89		SBR	PNHXT&3,OUTEX	7		1187	H Q90 S26		95
602	5	90		BCE	*&2,CONDSW,0	8		1194	B S03 C10 0		96
603	5	91		P		1		1202	4		96
604	5	92		B	WTAP2	4		1203	B ?43		96
605	5	93		B	NEWCRD	4		1207	B Q34		96
606	5	94	LSTCD	CS	PUNCH&80	4		1211	/ 180		96
607	5	95		BCE	*&4,CONDSW,0	8		1215	B S26 C10 0		96
608	5	96		P		1		1223	4		96
609	5	97		SS	8	2		1224	K 8		97
610	5	98	OUTEX	B	CNDOUT&7	4		1226	B ?14		97
611	5	99	WORD1	DCW	@OBJECT CORE EXCEEDED@	20		1249			97
612	6	00	WORD2	DCW	@,015022)024056,029036,040047,0540611001@	39		1288			98
613	6	01	WORD3	DCW	@,001008B001@	11		1299			99
614	6	02	WORD4	DCW	@,068072)063067/061039@	21		1320			99
615	6	03	WORD5	DCW	@,0010011040@	11		1331			100
616	6	04	OV2GM	DCW	@)@	1		1332		GMARK	100
617	6	05	XFR		LIBRN				B 000		101

				1401 AUTOCODER-PASS 7 LEFT MAIN LINE	-VERSION 3	3773L			PAGE 13		
SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
618	6	06			JOB 1401 AUTOCODER-PASS 7 LEFT MAIN LINE						
619	6	07	*								
620	6	08	*	READ	SECOND HALF OF MAIN PROGRAM						
621	6	09	*								
622	6	10		ORG	201				0201		
623	6	11	INIT2	RTW	SYSTAP,2000	8		0201	L %U1 100 R		104
624	6	12		NOP	XXXX	4		0209	N 000		104
625	6	13		BER	TPERR	5		0213	B 334 L		104
626	6	14		RTW	XTRATP,SAVCON	8		0218	L %U6 B98 R		104
627	6	15		NOP	XXXX	4		0226	N 000		104
628	6	16		BER	TPERR	5		0230	B 334 L		104
629	6	17		RWD	XTRATP	5		0235	U %U6 R		104
630	6	18		CW	GMSAVE,WMSW#1	7		0240	) C72 D56		105
631	6	19		CW	ENDEL,ENDE2	7		0247	) Z94 H27		105
632	6	20		SW	GM,181	7		0254	, 333 181		105
633	6	21		SW	OVLGM	4		0261	, U17		105
634	6	22		NTW	XTRATP,ISIOCS	8		0265	L %U6 794 W		105
635	6	23		NOP	XXXX	4		0273	N 000		105
636	6	24		BER	TPERR	5		0277	B 334 L		106
637	6	25		RWD	XTRATP	5		0282	U %U6 R		106
638	6	26		CW	OVLGM	4		0287	) U17		106
639	6	27		ZA	&5,LINCT	7		0291	? D57 F13		106
640	6	28		BCE	RESET,NOOUT,1	8		0298	B 543 C71 1		106
641	6	29		B	GET	4		0306	B A24		106
642	6	30		B	SETUP	4		0310	B 595		106
643	6	31		DCW	@ @	1		0314			107
644	6	32	*								
645	6	33	*	MAIN LINE	PROGRAM						
646	6	34	*								
647	6	35		ORG	333				0333		
648	6	36	GM	DC	@]@	1		0333		GMARK	108
649	6	37	*								
650	6	38	*	TAPE	REDUNDANCY ROUTINE						
651	6	39	*								
652	6	40	TPERR	SBR	XR2	4		0334	H 094		108
653	6	41		SBR	REDXT&3	4		0338	H 406		108
654	6	42		MZ	PLUS9,XR2	7		0342	Y 538 094		108
655	6	43		MCW	4000-10&X2,TPINST&7	7		0349	M IR0 397		108
656	6	44		MN	TPINST&3,BSP1&3	7		0356	D 393 373		109
657	6	45		MCW	TPINST&7,INST2&7	7		0363	M 397 506		109
658	6	46	BSP1	BSP	INITAP	5		0370	U %U0 B		109
659	6	47		BCE	WRTRED,TPINST&7,W	8		0375	B 479 397 W		109
660	6	48		MCW	PLUS9,READCT	7		0383	M 538 540		109
661	6	49	TPINST	RT	INITAP,XXXX	8		0390	M %U0 000 R		110
662	6	50		BER	RDRERR	5		0398	B 407 L		110
663	6	51	REDXT	B	XXXX	4		0403	B 000		110
664	6	52	RDRERR	MN	TPINST&3,BSP2&3	7		0407	D 393 417		110
665	6	53	BSP2	BSP	INITAP	5		0414	U %U0 B		110
666	6	54		S	PLUS1,READCT	7		0419	S 539 540		110
667	6	55		BWZ	TPINSTM,READCT,B	8		0426	V 390 540 B		111

				1401 AUTOCODER-PASS 7 LEFT MAIN LINE	-VERSION 3	3773L			PAGE 14		
SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
668	6	56		MN	TPINST&3,TPHALT&6	7		0434	D 393 447		111
669	6	57	TPHALT	H	XXXX,790	7		0441	. 000 790		111
670	6	58		MCW	TPINST&7,*&8	7		0448	M 397 462		111
671	6	59		RT	INITAP,XXXX	8		0455	M %U0 000 R		111
672	6	60		BSS	BSP1,E	5		0463	B 370 E		112
673	6	61		H	XXXX,712	7		0468	. 000 712		112
674	6	62		B	REDXT	4		0475	B 403		112
675	6	63	WRTRED	SKP	SYSTAP	5		0479	U %U1 E		112
676	6	64		BCE	SUBCTR,WRTCTR-1,5	8		0484	B 516 541 5		112
677	6	65		A	PLUS1,WRTCTR	7		0492	A 539 542		112
678	6	66		INST2	WT	8		0499	M %U0 000 W		113
679	6	67		BER	BSP1	5		0507	B 370 L		113
680	6	68		B	REDXT	4		0512	B 403		113
681	6	69		SUBCTR	S	4		0516	S 542		113
682	6	70		MN	TPINST&3,*&7	7		0520	D 393 533		113
683	6	71		H	XXXX,760	7		0527	. 000 760		113
684	6	72		B	INST2	4		0534	B 499		113
685	6	73		PLUS9	DCW	1		0538			114
686	6	74		PLUS1	DCW	1		0539			114
687	6	75		READCT	DCW	1		0540			114
688	6	76		WRTCTR	DCW	2		0542			114
689	6	77	*								
690	6	78	*	GET	PASS F						
691	6	79	*								
692	6	80	RESET	LCA	SSAVE,201	7		0543	L C68 201		114
693	6	81		LCA		1		0550	L		114
694	6	82		RT	SYSTAP,332	8		0551	M %U1 332 R		114
695	6	83		CW	181,333	7		0559	) 181 333		115
696	6	84		RTW	SYSTAP,2000	8		0566	L %U1 100 R		115
697	6	85		NOP	XXXX	4		0574	N 000		115
698	6	86		BER	TPERR	5		0578	B 334 L		115
699	6	87		MCW	201,2001	7		0583	M 201 :01		115
700	6	88		MCW		1		0590	M		115
701	6	89		B	2002	4		0591	B :02		115
702	6	90	*								
703	6	91	*	BEGIN	MAIN LINE PROGRAM						
704	6	92	*								
705	6	93	SETUP	CS	PRINT&132	4		0595	/ 332		116
706	6	94		CS		1		0599	/		116
707	6	95	GETORG	B	READOG	4		0600	B B09		116
708	6	96	*								
709	6	97	*	DETERMINE	TYPE						
710	6	98	*								
711	6	99	ANALWK	SW	TYPE#1	4		0604	, D58		116
712	7	00		MN	TYPE,TYPE#1	7		0608	D 075 D59		116
713	7	01		BCE	BYPASS,TYPE,%	8		0615	B 585 075 %		116
714	7	02		BCE	BYPASS,TYPE,0	8		0623	B 585 075 0		116
715	7	03		BCE	BYPASS,TYPE,I	8		0631	B 585 075 I		117
716	7	04		BCE	BYPASS,TYPE,H	8		0639	B 585 075 H		117
717	7	05		BCE	PROWRK,ALTER,	8		0647	B 881 080		117

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
718	7	06	ANALOG	BCE	SETCOM,LABEL-5,*	8	0655	B	J72 H36 *		117
719	7	07		BCE	MAPCNT,IMAGE&75,R	8	0663	B	805 I05 R		118
720	7	08		BCE	ISIOCS,IMAGE&75,W	8	0671	B	794 I05 W		118
721	7	09		BCE	MAPCNT&7,IMAGE&75,S	8	0679	B	812 I05 S		118
722	7	10		BCE	MAPCNT&7,IMAGE&75,Z	8	0687	B	812 I05 Z		118
723	7	11		C	MNEMON-2,@JOB@	7	0695	C	H48 D54		118
724	7	115		BE	DOJOB	5	0702	B	843 S		119
725	7	12		C	ALTER,ALTNO	7	0707	C	080 I14		119
726	7	13		BU	SEQERR	5	0714	B	783 /		119
727	7	14		B	SETFRE	4	0719	B	T01		119
728	7	15		CW	TYPESW	4	0723	)	D58		119
729	7	16		BCE	INSTR,TYPE,	8	0727	B	V43 075		119
730	7	17		MN	TYPE,XR2	7	0735	D	075 094		120
731	7	18		A	XR2	4	0742	A	094		120
732	7	19		A	XR2	4	0746	A	094		120
733	7	20		B	*&l&x2	4	0750	B	7N4		120
734	7	21		B	DA	4	0754	B	W52		120
735	7	22		B	CONST	4	0758	B	'62		120
736	7	23		B	DSA	4	0762	B	969		120
737	7	24		B	GETOV2	4	0766	B	794		121
738	7	25		B	SFX	4	0770	B	L43		121
739	7	26		B	TYPERR	4	0774	B	S78		121
740	7	27		B	ORG	4	0778	B	K12		121
741	7	28		B	DS	4	0782	B	K85		121
742	7	29		B	TYPERR	4	0786	B	S78		121
743	7	30		B	TYPERR	4	0790	B	S78		121
744	7	31		*							
745	7	32		*	MACRO CARD						
746	7	33		*							
747	7	34	ISIOCS	MCW	@IOCS@,KIND-1	7	0794	M	D63 308		122
748	7	35		B	MAPCNT&7	4	0801	B	812		122
749	7	36	MAPCNT	MCW	@MACRO@,KIND	7	0805	M	D68 309		122
750	7	37		B	SETFRE	4	0812	B	T01		122
751	7	38		BCE	CALERR,IMAGE&86,7	8	0816	B	828 I16 7		122
752	7	39		B	COMXT	4	0824	B	J85		122
753	7	40	CALERR	MCW	@OVERCALL@,PRINT&123	7	0828	M	D76 323		123
754	7	41		B	BMPERR	4	0835	B	L28		123
755	7	42		B	COMXT	4	0839	B	J85		123
756	7	43		*							
757	7	44		*	NEW JOB CARD						
758	7	45		*							
759	7	46	DOJOB	MCW	OPERND,JOB	7	0843	M	I02 C62		123
760	7	47		BW	DOIDT,NEWSW	8	0850	V	862 G27 1		123
761	7	48		B	PNCHCD	4	0858	B	P62		123
762	7	49	DOIDT	MCW	IMAGE&80,PUNCH&80	7	0862	M	I10 180		124
763	7	50		S	LINCT	4	0869	S	F13		124
764	7	51		B	PRTHDG	4	0873	B	I00		124
765	7	52		B	MAPCNT&7	4	0877	B	812		124
766	7	53		*							
767	7	54		*	PROGRAM GENERATED RECORD						

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
768	7	55	*								
769	7	56	PROWRK	BCE	XTRA,TYPE,Y	8	0881	B	924 075 Y		124
770	7	57		CW	OP&1	4	0889	)	068		124
771	7	58		MCS	AOP,PRINT&11	7	0893	Z	070 211		124
772	7	59		SW	OP&1	4	0900	,	068		125
773	7	60		BCE	ADCON,TYPE,S	8	0904	B	944 075 S		125
774	7	61		BCE	LITRAL,TYPEA,1	8	0912	B	999 D59 1		125
775	7	62		B	TYPERR	4	0920	B	S78		125
776	7	63		*							
777	7	64		*	LITERAL GREATER THAN 30 CHARACTERS						
778	7	65		*							
779	7	66	XTRA	SW	PRINT&27	4	0924	,	227		125
780	7	67		MCW	FIXFRM&72,OPRAND	7	0928	M	072 278		125
781	7	68		CHAIN	5					MACRO	
782				MCW		1	0935	M		GEN	125
783				MCW		1	0936	M		GEN	126
784				MCW		1	0937	M		GEN	126
785				MCW		1	0938	M		GEN	126
786				MCW		1	0939	M		GEN	126
787	7	69		B	BYPASS	4	0940	B	S85		126
788	7	70		*							
789	7	71		*	ADCON CARD						
790	7	72		*							
791	7	73	ADCON	MCW	@ADCON@,KIND	7	0944	M	D81 309		126
792	7	74		SW	PRINT&27	4	0951	,	227		126
793	7	75		MCW	FIXFRM&53,PRINT&40	7	0955	M	053 240		127
794	7	76		MCW	FIXFRM&16,OPCODE-2	7	0962	M	016 223		127
795	7	77	DSA	MCW	BOP,PRINT&95	7	0969	M	073 295		127
796	7	78		MCW	BOP,HOLDH&3	7	0976	M	073 D95		127
797	7	79		B	SETADD	4	0983	B	S45		127
798	7	80		BCE	SYMUND,BOP,#	8	0987	B	L09 073 #		128
799	7	81		B	SETLIT	4	0995	B	/56		128
800	7	82		*							
801	7	83		*	LITERAL AND AREA DEFINITION CARDS						
802	7	84		*							
803	7	85	LITRAL	BWZ	PROLIT,TYPE,S	8	0999	V	'41 075 S		128
804	7	86		BWZ	DADC,FIXFRM&1,B	8	1007	V	S28 001 B		128
805	7	87		MCW	@RMARK@,KIND	7	1015	M	D86 309		128
806	7	88		BCE	PROLIT&7,TYPE,A	8	1022	B	'48 075 A		129
807	7	89		MCW	@G@,KIND-4	7	1030	M	D87 305		129
808	7	90		B	PROLIT&7	4	1037	B	'48		129
809	7	91	PROLIT	MCW	@LIT@,KIND-2	7	1041	M	D90 307		129
810	7	92		MCW	FIXFRM&53,PRINT&57	7	1048	M	053 257		129
811	7	93		MCW	FIXFRM&16,OPCODE-2	7	1055	M	016 223		130
812	7	94	CONST	B	SETADD	4	1062	B	S45		130
813	7	95		A	@00@,COUNT	7	1066	A	D92 007		130
814	7	96		C	COUNT,@00@	7	1073	C	007 D92		130
815	7	97		BL	GOOD	5	1080	B	'96 T		130
816	7	98		MZ	ZONE-1,STSTMT	7	1085	Y	I88 005		130
817	7	99		B	SETLIT	4	1092	B	/56		131

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
818	8	00	GOOD	BCE	AREADF,PRINT&27,#			8 1096	B /83 227 #		131
819	8	01		BWZ	AREADF,FXFRM&4,B			8 1104	V /83 004 B		131
820	8	02		MCW	OPRAND,HOLDT-1			7 1112	M 278 E43		131
821	8	03		BCE	SETLIT,PRINT&27,@			8 1119	B /56 227 @		131
822	8	04		BWZ	UNSIGN,PRINT&27,2			8 1127	V /72 227 2		132
823	8	05		MCW	COUNT,XR1			7 1135	M 007 089		132
824	8	06		MZ	BLANK4,PRINT&27&X1			7 1142	Y D33 287		132
825	8	07		MZ	PRINT&27,HOLDH&X1			7 1149	Y 227 DZ2		132
826	8	08	SETLIT	B	SETLOC			4 1156	B U18		132
827	8	09		B	CONDNS			4 1160	B L54		132
828	8	10	LITOUT	B	PRNTLN			4 1164	B Y54		133
829	8	11		B	BYPASS			4 1168	B S85		133
830	8	12	UNSIGN	MCW	OPRAND,HOLDT#52			7 1172	M 278 E44		133
831	8	13		B	SETLIT			4 1179	B /56		133
832	8	14	AREADF	BW	*&5,TYPESW			8 1183	V /95 D58 1		133
833	8	15		B	SETLIT			4 1191	B /56		133
834	8	16		MCW	FXFRM&13,LAB			7 1195	M 013 219		133
835	8	17		MCW	BLANK4-2,PRINT&31			7 1202	M D31 231		134
836	8	18		MCW	COUNT			4 1209	M 007		134
837	8	19		MCW	@#			4 1213	M E45		134
838	8	20		MCW	@AREA@,KIND-1			7 1217	M E49 308		134
839	8	21		B	SETLIT			4 1224	B /56		134
840	8	22	DADC	B	SETADD			4 1228	B S45		134
841	8	23		B	CONDNS			4 1232	B L54		134
842	8	24		CS	PRINT&132			4 1236	/ 332		135
843	8	25		CS				1 1240	/		135
844	8	26		B	BYPASS			4 1241	B S85		135
845	8	27	*								
846	8	28	*		SET CONDENSE ADDRESSES FOR CONSTANTS						
847	8	29	*								
848	8	30	SETADD	SBR	ADDXT&3			4 1245	H S77		135
849	8	31		ZA	LABADD,LOADAD			7 1249	? 061 E83		135
850	8	32		MCW	LOADAD			4 1256	M E83		135
851	8	33		S	COUNT,WMADDR			7 1260	S 007 E78		135
852	8	34		A	&1,WMADDR			7 1267	A D55 E78		136
853	8	35	ADDXT	B	XXXX			4 1274	B 000		136
854	8	36	*								
855	8	37	*		GET NEXT RECORDS						
856	8	38	*								
857	8	39	TYPERR	H	XXXX,770			7 1278	. 000 770		136
858	8	40	BYPASS	B	GET			4 1285	B A24		136
859	8	41		BW	ANALWK,TYPESW			8 1289	V 604 D58 1		136
860	8	42		B	GETORG			4 1297	B 600		136
861	8	43	*								
862	8	44	*		FREE FORM RECORD TO PRINT AREA						
863	8	45	*								
864	8	46	SETFRE	SBR	FREEXT&3			4 1301	H T89		136
865	8	47		MCS	ALINO,ALT			7 1305	Z I14 204		137
866	8	48		MCS	PAGENO,PG			7 1312	Z H32 207		137
867	8	49		MZ	PAGENO,PG			7 1319	Y H32 207		137

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
868	8	50		MCW	LINENO,LIN			7 1326	M H35 211		137
869	8	51		MCW	LABEL,LAB			7 1333	M H41 219		137
870	8	52		MCW	MNEMON,OPCODE			7 1340	M H50 225		138
871	8	53		MCW	OPERND,OPRAND			7 1347	M I02 278		138
872	8	54		BCE	IOGEN,IMAGE&75,Z			8 1354	B T90 I05 Z		138
873	8	55		BCE	IOGEN,IMAGE&75,Y			8 1362	B T90 I05 Y		138
874	8	56		BCE	GENSTM,IMAGE&75,C			8 1370	B T97 I05 C		138
875	8	57		BCE	GENSTM,IMAGE&75,S			8 1378	B T97 I05 S		139
876	8	58	FREEXT	B	XXXX			4 1386	B 000		139
877	8	59	IOGEN	MCW	@IO@,KIND			7 1390	M E51 309		139
878	8	60	GENSTM	MCW	@GEN@,KIND-2			7 1397	M E54 307		139
879	8	61		BCE	COMERR,IMAGE&86,B			8 1404	B J97 I16 B		139
880	8	62		B	FREEXT			4 1412	B T86		139
881	8	63		DCW	@ @			1 1416	B T86		139
882	8	64	OVLGM	DC	@]@			1 1417		GMARK	140
883	8	65	*								
884	8	66	*		ASSEMBLED INFORMATION TO PRINT AREA						
885	8	67	*								
886	8	68	SETLOC	SBR	LOCXT&3			4 1418	H V01		140
887	8	69		MCS	COUNT,CT			7 1422	Z 007 284		140
888	8	70		MCW	SFXCTR,SUFFIX			7 1429	M G18 280		140
889	8	71		MN	LABADD,LOCN			7 1436	D 061 290		140
890	8	72		MCW				1 1443	M		141
891	8	73		BWZ	TSTFR,LABADD-1,2			8 1444	V U66 060 2		141
892	8	74		MCW	@X@,PRINT&92			7 1452	M E55 292		141
893	8	75		MZ	BLANK1,PRINT&89			7 1459	Y D30 289		141
894	8	76	TSTFR	BCE	FOURCH,LABADD-4,0			8 1466	B V02 057 0		141
895	8	77	TSTLBL	BM	DBLDEF,STLABL			8 1474	V V13 002 K		141
896	8	78	TSTSTM	BM	STMBAD,STSTMT			8 1482	V V28 005 K		142
897	8	79		BWZ	STMBAD,STSTMT,S			8 1490	V V28 005 S		142
898	8	80	LOCKT	B	XXXX			4 1498	B 000		142
899	8	81	FOURCH	MCW	BLANK1,LOCN-4			7 1502	M D30 286		142
900	8	82		B	TSTLBL			4 1509	B U74		142
901	8	83	DBLDEF	MCW	@LABEL@,PRINT&120			7 1513	M E60 320		142
902	8	84		B	BMPERR			4 1520	B L28		143
903	8	85		B	TSTSTM			4 1524	B U82		143
904	8	86	STMBAD	MCW	@BAD STATEMENT@,PRINT&128			7 1528	M E73 328		143
905	8	87		B	BMPERR			4 1535	B L28		143
906	8	88		B	LOCKT			4 1539	B U98		143
907	8	89	*								
908	8	90	*		INSTRUCTION CARD						
909	8	91	*								
910	8	92	INSTR	MCW	DMOD,INDMOD			7 1543	M 074 303		143
911	8	93		MCW	BOP,INBOP			7 1550	M 073 301		143
912	8	94		MCW	AOP,INAOP			7 1557	M 070 297		144
913	8	95		MCW	OP,INOP			7 1564	M 067 293		144
914	8	96		MCW	DMOD,HOLDH&8			7 1571	M 074 E00		144
915	8	97		MCW				1 1578	M		144
916	8	98		MCW				1 1579	M		144
917	8	99		MCW				1 1580	M		144

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
918	9	00		MCW	LABADD,WMADDR#5	7		1581	M 061 E78		144
919	9	01		MCW	LABADD,LOADAD#5	7		1588	M 061 E83		145
920	9	02		A	COUNT,LOADAD	7		1595	A 007 E83		145
921	9	03		S	&1,LOADAD	7		1602	S D55 E83		145
922	9	04		BCE	SYMUND,BOP,#	8		1609	B L09 073 #		145
923	9	05		BCE	SYMUND,AOP,#	8		1617	B L09 070 #		145
924	9	06		BCE	BADOP,OP,	8		1625	B W37 067		146
925	9	07		B	SETLIT	4		1633	B /56		146
926	9	08	BADOP	MCW	@ OP@,PRINT&123	7		1637	M E86 323		146
927	9	09		B	BMPERR	4		1644	B L28		146
928	9	10		B	SETLIT	4		1648	B /56		146
929	9	11		*							
930	9	12		*	DEFINE AREA CARDS						
931	9	13		*							
932	9	14	DA	BCE	HEADER,TYPE,0	8		1652	B X41 075 0		146
933	9	15		MCW	SUPADD,WMADDR	7		1660	M 066 E78		147
934	9	16		MCW	@FIELD@,KIND	7		1667	M E91 309		147
935	9	17		BWZ	SETDA,TYPE,B	8		1674	V W93 075 B		147
936	9	18		MCW	@SBF@,KIND-2	7		1682	M E94 307		147
937	9	19		B	ORGBT	4		1689	B K62		147
938	9	20	SETDA	B	SETLOC	4		1693	B U18		147
939	9	21		B	CONDNS	4		1697	B L54		148
940	9	22		B	FRNTLN	4		1701	B Y54		148
941	9	23	BYPDA	B	GET	4		1705	B A24		148
942	9	24		BCE	RPTOUT,TYPE,'	8		1709	B X21 075 '		148
943	9	25		B	GETORG	4		1717	B 600		148
944	9	26	RPTOUT	MCW	SUPADD,WMADDR	7		1721	M 066 E78		148
945	9	27		B	CONDNS	4		1728	B L54		148
946	9	28		CS	PRINT&132	4		1732	/ 332		149
947	9	29		CS		1		1736	/		149
948	9	30		B	BYPDA	4		1737	B X05		149
949	9	31	HEADER	BWZ	BADDA,FIXFRM&4,B	8		1741	V Y24 004 B		149
950	9	32		B	SETLOC	4		1749	B U18		149
951	9	33	NXTRPT	MN	SUPADD,PRINT&97	7		1753	D 066 297		149
952	9	34		MCW		1		1760	M		149
953	9	35		MCW	LABADD,WMADDR	7		1761	M 061 E78		150
954	9	36		B	CONDNS	4		1768	B L54		150
955	9	37		B	GET	4		1772	B A24		150
956	9	38		C	FIXFRM&16,@DA @	7		1776	C 016 E97		150
957	9	39		BU	PNTDA	5		1783	B X96 /		150
958	9	40		BCE	NXTRPT,TYPE,'	8		1788	B X53 075 '		150
959	9	41	PNTDA	BCE	ADDR4K,PRINT&93,0	8		1796	B Y39 293 0		151
960	9	42		C	PRINT&97,OBJCOR	7		1804	C 297 C09		151
961	9	43		BL	PUDSW	5		1811	B K97 T		151
962	9	44		B	FRNTLN	4		1816	B Y54		151
963	9	45		B	GETORG	4		1820	B 600		151
964	9	46	BADDA	MCW	@ NO B X L@,PRINT&129	7		1824	M F06 329		151
965	9	47		B	BMPERR	4		1831	B L28		151
966	9	48		B	HEADER&8	4		1835	B X49		152
967	9	49	ADDR4K	SBR	AD4KXT&3	4		1839	H Y53		152

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
968	9	50		MCW	BLANK1,PRINT&93	7		1843	M D30 293		152
969	9	51	AD4KXT	B	XXXX	4		1850	B 000		152
970	9	52		*							
971	9	53		*	PRINT STATEMENTS						
972	9	54		*							
973	9	55	PRNTLN	SBR	PRNTXT&3	4		1854	H Z50		152
974	9	56		BCE	DOPNT,LOCN,	8		1858	B Y86 290		152
975	9	57		BCE	DOPNT,TYPEA,7	8		1866	B Y86 D59 7		152
976	9	58		C	LOCN,@ 0081@	7		1874	C 290 F11		153
977	9	59		BH	ADDERR	5		1881	B J57 U		153
978	9	60	DOPNT	BW	*&2,LSTOP	8		1886	V Y95 C70 1		153
979	9	61		W		1		1894	Z		153
980	9	62		B	WTAPE	4		1895	B J24		153
981	9	63		BCE	CLR,TYPEA,7	8		1899	B Z19 D59 7		153
982	9	64		C	LOCN,OBJCOR	7		1907	C 290 C09		154
983	9	65		BL	PUDSW	5		1914	B K97 T		154
984	9	66	CLR	CS	PRINT&132	4		1919	/ 332		154
985	9	67		CS		1		1923	/		154
986	9	68		BCE	PRNTXT,TYPE,3	8		1924	B Z47 075 3		154
987	9	69		A	&1,LINCT#2	7		1932	A D55 F13		154
988	9	70		BCE	OVRFLO,LINCT-1,5	8		1939	B Z51 F12 5		155
989	9	71	PRNTXT	B	XXXX	4		1947	B 000		155
990	9	72	OVRFLO	B	PRTHDG	4		1951	B 100		155
991	9	73		S	LINCT	4		1955	S F13		155
992	9	74		B	PRNTXT	4		1959	B Z47		155
993	9	75	GETOVL	RTW	XTRATP,ISIOCS	8		1963	L \$U6 794 R		155
994	9	76		NOP	XXXX	4		1971	N 000		155
995	9	77		BER	TPERR	5		1975	B 334 L		156
996	9	78		CW	OVLGM	4		1980	) U17		156
997	9	79		RWD	XTRATP	5		1984	U \$U6 R		156
998	9	80		B	BYPASS	4		1989	B S85		156
999	9	81		DCW	@ @	1		1993			156
1000	9	82	ENDEL	DCW	@}@	1		1994		GMARK	156
1001	9	83		XFR	LIBRN				B 000		157

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
1002	9	84		JOB	1401 AUTOCODER-PASS 7 RIGHT MAIN LINE						
1003	9	85		ORG	2000				2000		
1004	9	86	*								
1005	9	87	*	PRINT PAGE	HEADING						
1006	9	88	*								
1007	9	89	PRTHDG	SBR	PHDGXT&3		4	2000	H J23		160
1008	9	90		MCW	@PAGE@,PRINT&109		7	2004	M F17 309		160
1009	9	91		A	&1,NUMBER		7	2011	A D55 C84		160
1010	9	92		MCS	NUMBER,PRINT&114		7	2018	Z C84 314		160
1011	9	93		MCW	JOB,OPRAND		7	2025	M C62 278		160
1012	9	94		MCW	PUNCH&80,LOCN		7	2032	M 180 290		160
1013	9	95		BW	WTHHEAD,LSTOP		8	2039	V 152 C70 1		161
1014	9	96		CC	1		2	2047	F 1		161
1015	9	97		W			1	2049	2		161
1016	9	98		NK	WAS CC K IN REV 0		2	2050	N K		161
1017	9	99	WTHHEAD	MCW	@1@,200		7	2052	M D29 200		161
1018	10	00		B	WTAPE		4	2059	B J24		161
1019	10	01		CS	PRINT&132		4	2063	/ 332		161
1020	10	02		CS			1	2067	/		162
1021	10	03		MCW	@SFX CT LOCN INSTRUCTION TYPE CARD@,PRINT&114		7	2068	M F53 314		162
1022	10	04		MCW	@SEQ PG LIN LABEL OP OPERANDS@,PRINT&34		7	2075	M F86 234		162
1023	10	05		BW	*&2,LSTOP		8	2082	V 191 C70 1		162
1024	10	06		W			1	2090	2		162
1025	10	07		MCW	@0@,200		7	2091	M F87 200		162
1026	10	08		B	WTAPE		4	2098	B J24		162
1027	10	09		CS	PRINT&132		4	2102	/ 332		163
1028	10	10		CS			1	2106	/		163
1029	10	11		BW	*&2,LSTOP		8	2107	V J16 C70 1		163
1030	10	12		W			1	2115	2		163
1031	10	13		B	WTAPE		4	2116	B J24		163
1032	10	14	PHDGXT	B	XXXX		4	2120	B 000		163
1033	10	15	WTAPE	SBR	WTXT&3		4	2124	H J56		163
1034	10	16		BW	WTXT,TAPOP		8	2128	V J53 C69 1		164
1035	10	17		WT	3,200		8	2136	M #U3 200 W		164
1036	10	18		NOP	XXXX		4	2144	N 000		164
1037	10	19		BER	TPERR		5	2148	B 334 L		164
1038	10	20	WXT	B	XXXX		4	2153	B 000		164
1039	10	21	ADDR	MCW	@ ADDR@,PRINT&132		7	2157	M F92 332		164
1040	10	22		B	BMPERR		4	2164	B L28		165
1041	10	23		B	DOPNT		4	2168	B Y86		165
1042	10	24	*								
1043	10	25	*	COMMENTS	CARD						
1044	10	26	*								
1045	10	27	SETCOM	B	SETFRE		4	2172	B T01		165
1046	10	28		MCW	OPERND,PRINT&80		7	2176	M I02 280		165
1047	10	29		MCW			1	2183	M		165
1048	10	30		MCW			1	2184	M		165
1049	10	31	COMXT	B	PRNTLN		4	2185	B Y54		165
1050	10	32		B	READOG		4	2189	B B09		166
1051	10	33		B	ANALOG		4	2193	B 655		166

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
1052	10	34	COMERR	MCW	@MACRO ERROR@,PRINT&126		7	2197	M G03 326		166
1053	10	35		B	BMPERR		4	2204	B L28		166
1054	10	36		B	FREEXT		4	2208	B T86		166
1055	10	37	*								
1056	10	38	*	ORG,	LTORG CARDS						
1057	10	39	*								
1058	10	40	ORG	MCW	SUPADD,LABADD		7	2212	M 066 061		166
1059	10	41		MCW	ORGADD,SUPADD		7	2219	M 032 066		166
1060	10	42		BWZ	BADORG,FIXFRM&1,2		8	2226	V K70 001 2		167
1061	10	43	ORGOUT	MN	SUPADD,PRINT&97		7	2234	D 066 297		167
1062	10	44		MCW			1	2241	M		167
1063	10	45		BCE	ADDR4K,PRINT&93,0		8	2242	B Y39 293 0		167
1064	10	46		C	PRINT&97,OBJCOR		7	2250	C 297 C09		167
1065	10	47		BL	PUADSW		5	2257	B K97 T		167
1066	10	48	ORGXT	B	SETLOC		4	2262	B U18		168
1067	10	49		B	LITOUT		4	2266	B /64		168
1068	10	50	BADORG	MCW	@ UNDEF ORG@,PRINT&130		7	2270	M G13 330		168
1069	10	51		B	BMPERR		4	2277	B L28		168
1070	10	52		B	ORGOUT		4	2281	B K34		168
1071	10	53	*								
1072	10	54	*	DS,	EQU CARDS						
1073	10	55	*								
1074	10	56	DS	BCE	SYMUND,AOP,#		8	2285	B L09 070 #		168
1075	10	57		B	ORGXT		4	2293	B K62		168
1076	10	58	*								
1077	10	59	*	ERROR -	ADDRESS EXCEEDS CORE						
1078	10	60	*								
1079	10	61	PUADSW	SBR	ADSWXT&3		4	2297	H L08		169
1080	10	62		CW	ADDRSW		4	2301	) D34		169
1081	10	63	ADSWXT	B	XXXX		4	2305	B 000		169
1082	10	64	*								
1083	10	65	*	ERROR -	UNDEFINED SYMBOL						
1084	10	66	*								
1085	10	67	SYMUND	SBR	UNDXT&3		4	2309	H L27		169
1086	10	68		MCW	@ SYM@,PRINT&127		7	2313	M G17 327		169
1087	10	69		B	BMPERR		4	2320	B L28		169
1088	10	70	UNDXT	B	XXXX		4	2324	B 000		169
1089	10	71	*								
1090	10	72	*	BUMP	NUMBER OF ERRORS						
1091	10	73	*								
1092	10	74	BMPERR	SBR	ERREXT&3		4	2328	H L42		170
1093	10	75		A	&1,ERRCNT		7	2332	A D55 C66		170
1094	10	76	ERREXT	B	XXXX		4	2339	B 000		170
1095	10	77	*								
1096	10	78	*	SUFFIX	CARD						
1097	10	79	*								
1098	10	80	SFX	MCW	IMAGE&21,SFXCTR#1		7	2343	M H51 G18		170
1099	10	81		B	LITOUT		4	2350	B /64		170
1100	10	82	*								
1101	10	83	*	CONDENSE	ROUTINE						

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
1102	10	84	*								
1103	10	85	CONDNS	SBR	CONDXT&3	4		2354	H ?42		170
1104	10	86		CW	BIGSW ,DCSW	7		2358	) H17 G48		170
1105	10	87		BM	CONDXT ,STSTMT	8		2365	V ?39 005 K		171
1106	10	88		BW	PNCHCD ,WMSW	8		2373	V P62 D56 1		171
1107	10	89	*								
1108	10	90	*		PROCESS RECORD						
1109	10	91	*								
1110	10	92	NXTRCD	BCE	DOWM ,TYPEA ,0	8		2381	B N39 D59 0		171
1111	10	93		BCE	ENDRTN ,TYPEA ,3	8		2389	B ?08 D59 3		171
1112	10	94		BWZ	?STDC ,TYPE ,B	8		2397	V 017 075 B		172
1113	10	95	*								
1114	10	96	*		TEST ROOM ON CARD						
1115	10	97	*								
1116	10	98	TSTROM	C	COUNT ,@39@	7		2405	C 007 G20		172
1117	10	99		BL	TSTCON	5		2412	B 091 T		172
1118	11	00		MCW	PNHLOC ,ROOMCT#3	7		2417	M C81 G23		172
1119	11	01		A	COUNT ,ROOMCT	7		2424	A 007 G23		172
1120	11	02		C	ROOMCT ,@039@	7		2431	C G23 G26		173
1121	11	03		BL	SETPNH	5		2438	B 009 T		173
1122	11	04		BW	RSTCTR ,NEWSW#1	8		2443	V N98 G27 1		173
1123	11	05	*								
1124	11	06	*		TEST SEQUENCE						
1125	11	07	*								
1126	11	08		MCW	COUNTR#5 ,SEQCT#5	7		2451	M G32 G37		173
1127	11	09		A	COUNT ,SEQCT	7		2458	A 007 G37		173
1128	11	10		C	LOADAD ,SEQCT	7		2465	C E83 G37		174
1129	11	11		BU	SETPNH	5		2472	B 009 /		174
1130	11	12		A	COUNT ,COUNTR	7		2477	A 007 G32		174
1131	11	13	*								
1132	11	14	*		MOVE DATA TO PUNCH AREA						
1133	11	15	*								
1134	11	16	MVDATA	SBR	XR3 ,HOLDH	7		2484	H 099 D92		174
1135	11	17		A	COUNT ,XR3	7		2491	A 007 099		174
1136	11	18		A	COUNT ,PNHLOC	7		2498	A 007 C81		175
1137	11	19		MCW	PNHLOC ,XR2	7		2505	M C81 094		175
1138	11	20		MCW	XXXX&X3 ,PUNCH&X2	7		2512	M 0?0 110		175
1139	11	21		CW	DATASW#1	4		2519	) G38		175
1140	11	22		BW	FIRST ,NEWSW	8		2523	V 053 G27 1		175
1141	11	23		BWZ	CNDOUT ,TYPE ,B	8		2531	V ?07 075 B		176
1142	11	24	*								
1143	11	25	*		SET WORD MARK ADDRESS						
1144	11	26	*								
1145	11	27	DOWM	MCW	WMADDR ,CNVADD#5	7		2539	M E78 G43		176
1146	11	28		B	CNVRT	4		2546	B P16		176
1147	11	29		A	&3 ,WMLOC	7		2550	A G44 C75		176
1148	11	30		MCW	WMLOC ,XR1	7		2557	M C75 089		176
1149	11	31		MCW	CNVADD ,WMADDR-2	7		2564	M G43 E76		177
1150	11	32		MCW	WMADDR-2 ,XXXX&X1	7		2571	M E76 0?0		177
1151	11	33		C	XR1 ,&WMSTR-3	7		2578	C 089 G47		177

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
1152	11	34		BU	CNDOUT	5		2585	B ?07 /		177
1153	11	35		SW	WMSW	4		2590	, D56		177
1154	11	36		B	CNDOUT	4		2594	B ?07		177
1155	11	37	RSTCTR	MCW	LOADAD ,COUNTR	7		2598	M E83 G32		178
1156	11	38		B	MVDATA	4		2605	B M84		178
1157	11	39	SETPNH	B	PNCHCD	4		2609	B P62		178
1158	11	40		B	NXTRCD	4		2613	B L81		178
1159	11	41	TSTDC	BW	COMPWM ,NEWSW	8		2617	V 029 G27 1		178
1160	11	42		B	TSTROM	4		2625	B M05		178
1161	11	43	COMPWM	C	WMLOC ,AWMSTR	7		2629	C C75 C78		178
1162	11	44		BE	TSTROM	5		2636	B M05 S		179
1163	11	45		SW	DCSW#1	4		2641	, G48		179
1164	11	46		B	PNCHCD	4		2645	B P62		179
1165	11	47		B	TSTROM	4		2649	B M05		179
1166	11	48	*								
1167	11	49	*		FIRST DATA ON CARD						
1168	11	50	*								
1169	11	51	FIRST	CW	NEWSW	4		2653	) G27		179
1170	11	52		BWZ	PRDC ,TYPE ,B	8		2657	V 069 075 B		179
1171	11	53		B	CNDOUT	4		2665	B ?07		179
1172	11	54	*								
1173	11	55	*		CONDENSE DC CARDS						
1174	11	56	*								
1175	11	57	PRODC	MCW	@)@ ,PUNCH&47	7		2669	M G49 147		180
1176	11	58		MCW	WMADDR ,CNVADD	7		2676	M E78 G43		180
1177	11	59		B	CNVRT	4		2683	B P16		180
1178	11	60		MCW	CNVADD ,WMADDR-2	7		2687	M G43 E76		180
1179	11	61		MCW	WMADDR-2 ,WMSTR-15	7		2694	M E76 C96		180
1180	11	62		MCW	WMADDR-2	4		2701	M E76		180
1181	11	63		A	&6 ,WMLOC	7		2705	A G50 C75		181
1182	11	64		B	CNDOUT	4		2712	B ?07		181
1183	11	65	*								
1184	11	66	*		CONVERT 5 TO 3 DIGIT ADDRESS						
1185	11	67	*								
1186	11	68	CNVRT	SBR	CNVXT&3	4		2716	H P61		181
1187	11	69		BAV	*&1	5		2720	B P25 Z		181
1188	11	70	ADDAGN	A	&96 ,CNVADD-3	7		2725	A G52 G40		181
1189	11	71		BAV	ADDAGN	5		2732	B P25 Z		181
1190	11	72		MZ	CNVADD-4 ,CNVADD	7		2737	Y G39 G43		181
1191	11	73		MN	CNVADD-3 ,*&4	7		2744	D G40 P54		182
1192	11	74		MZ	ZONE ,CNVADD-2	7		2751	Y 189 G41		182
1193	11	75	CNVXT	B	XXXX	4		2758	B 000		182
1194	11	76	*								
1195	11	77	*		PUNCH A CARD						
1196	11	78	*								
1197	11	79	PNCHCD	SBR	PNHXT&3	4		2762	H Q90		182
1198	11	80		BW	EDLT ,DCSW	8		2766	V 007 G48 1		182
1199	11	81		BW	EDLT ,DATASW	8		2774	V 007 G38 1		182
1200	11	82		MCW	COUNTR ,CNVADD	7		2782	M G32 G43		183
1201	11	83		B	CNVRT	4		2789	B P16		183

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
1202	11	84		MCW	CNVADD,WMSTR-21		7	2793	M G43 C90		183
1203	11	85		MCW	PNHLOC,WMSTR-24		7	2800	M C81 C87		183
1204	11	86	EDIT	MCE	WMSTR,PUNCH&71		7	2807	E D11 171		183
1205	11	87		MN	@0@,PUNCH&41		7	2814	D P87 141		183
1206	11	88	TSTPCH	BCE	*&2,CONDSW,0		8	2821	B Q30 C10 0		184
1207	11	89		P			1	2829	4		184
1208	11	90		B	WTAP2		4	2830	B ?43		184
1209	11	91		*							
1210	11	92		*	RESET COUNTERS AND SWITCHES						
1211	11	93		*							
1212	11	94	NEWCRD	A	&1,PUNCH&75		7	2834	A D55 175		184
1213	11	95		CS	PUNCH&71		4	2841	/ 171		184
1214	11	96		LCA	@L0 , , 1 @,PUNCH&71		7	2845	L G84 171		184
1215	11	97		SW	NEWSW,DATASW		7	2852	, G27 G38		184
1216	11	98		CW	WMSW,DCSW		7	2859	) D56 G48		185
1217	11	99		MCW	@000@,PNHLOC		7	2866	M G87 C91		185
1218	12	00		MCW	AWMSTR,WMLOC		7	2873	M C78 C75		185
1219	12	01		MCW	@001001040040040040040040@,WMSTR		7	2880	M H14 D11		185
1220	12	02		PNHXT	B XXXX		4	2887	B 000		185
1221	12	03		*							
1222	12	04		*	CONSTANT GREATER THAN 39 CHARACTERS*						
1223	12	05		*							
1224	12	06	TSTCON	BW	*&5,NEWSW		8	2891	V R03 G27 1		186
1225	12	07		B	PNCHCD		4	2899	B P62		186
1226	12	08		MCW	COUNT,HOLDCT#2		7	2903	M 007 H16		186
1227	12	09		MCW	LOADAD,COUNT		7	2910	M E83 G32		186
1228	12	10		MCW	@39@,COUNT		7	2917	M G20 007		186
1229	12	11		S	@39@,HOLDCT		7	2924	S G20 H16		187
1230	12	12		S	HOLDCT,COUNT		7	2931	S H16 G32		187
1231	12	13		MZ	ZONE-3,HOLDCT		7	2938	Y 186 H16		187
1232	12	14		SW	BIGSW#1		4	2945	, H17		187
1233	12	15		MCW	WMADDR,SAVEWM#5		7	2949	M E78 H22		187
1234	12	16		B	MVDATA		4	2956	B M84		187
1235	12	17	BIGRN	B	PNCHCD		4	2960	B P62		188
1236	12	18		CW	BIGSW		4	2964	) H17		188
1237	12	19		MCW	HOLDCT,COUNT		7	2968	M H16 007		188
1238	12	20		MCW	@A@,TYPE		7	2975	M H23 075		188
1239	12	21		MCW	HOLDDT,HOLDDT-39		7	2982	M E44 E05		188
1240	12	22		MCW	SAVEWM,WMADDR		7	2989	M H22 E78		188
1241	12	23		A	@39@,WMADDR		7	2996	A G20 E78		189
1242	12	24		B	RSTCTR		4	3003	B N98		189
1243	12	25		*							
1244	12	26		*	EXIT FROM CONDENSE ROUTINE*						
1245	12	27		*							
1246	12	28	CNDOUT	MCS	PUNCH&75,CARDNO		7	3007	Z 175 314		189
1247	12	29		S	XR3&1		4	3014	S 100		189
1248	12	30		S			1	3018	S		189
1249	12	31		S			1	3019	S		189
1250	12	32		BW	BIGRN,BIGSW		8	3020	V R60 H17 1		189
1251	12	33		MCW	BLANK1,HOLDDT		7	3028	M D30 E44		190

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
1252	12	34		MCW	HOLDDT		4	3035	M E44		190
1253	12	35	CONDXT	B	XXXX		4	3039	B 000		190
1254	12	36	WTAP2	SBR	WT2XT&3		4	3043	H ?82		190
1255	12	37		BW	WT2XT,TAPOP		8	3047	V ?79 C69 1		190
1256	12	38		MCW	@&@,100		7	3055	M H24 100		190
1257	12	39		WT	3,100		8	3062	M ?U3 100 W		191
1258	12	40		NOP	XXXX		4	3070	N 000		191
1259	12	41		BER	TPERR		5	3074	B 334 L		191
1260	12	42	WT2XT	B	XXXX		4	3079	B 000		191
1261	12	43		*							
1262	12	44		*	SEQUENCE ERROR ON INPUT RECORDS						
1263	12	45		*							
1264	12	46	SEQERR	H	XXXX,777		7	3083	. 000 777		191
1265	12	47		B	SEQERR		4	3090	B ?83		191
1266	12	48	GETOV2	RTW	SYSTAP,LSIOCS		8	3094	L ?U1 794 R		192
1267	12	49		NOP	XXXX		4	3102	N 000		192
1268	12	50		BER	TPERR		5	3106	B 334 L		192
1269	12	51		CW	OV2GM		4	3111	) T32		192
1270	12	52		BSP	SYSTAP		5	3115	U ?U1 B		192
1271	12	53		B	EXEND		4	3120	B 794		192
1272	12	54		*							
1273	12	55		*	GET RECORD FROM WORKING TAPE						
1274	12	56		*							
1275	12	57	GET	SBR	WORKXT&3		4	3124	H B08		192
1276	12	58		C	BLKCT,KBLKNG		7	3128	C C00 C04		193
1277	12	59		BU	NXTREC		5	3135	B A68 /		193
1278	12	60		S	HOLDA		4	3140	S C01		193
1279	12	61		SBR	LGTC&6,INPUT5&13		7	3144	H B80 I31		193
1280	12	62		RT	WORKTP,INPUT5		8	3151	M ?U5 I18 R		193
1281	12	63		B	CHKLGT		4	3159	B B59		193
1282	12	64		BER	TPERR		5	3163	B 334 L		194
1283	12	65	NXTREC	A	&80,BLKCT		7	3168	A H26 C00		194
1284	12	66		MCW	BLKCT,XR3		7	3175	M C00 099		194
1285	12	67		MCW	FIXINP,FIXFRM&80		7	3182	M IA7 080		194
1286	12	68		CHAIN	10					MACRO	
1287				MCW			1	3189	M	GEN	194
1288				MCW			1	3190	M	GEN	194
1289				MCW			1	3191	M	GEN	194
1290				MCW			1	3192	M	GEN	195
1291				MCW			1	3193	M	GEN	195
1292				MCW			1	3194	M	GEN	195
1293				MCW			1	3195	M	GEN	195
1294				MCW			1	3196	M	GEN	195
1295				MCW			1	3197	M	GEN	195
1296				MCW			1	3198	M	GEN	195
1297	12	69		S	XR3&1		4	3199	S 100		196
1298	12	70		S			1	3203	S		196
1299	12	71		S			1	3204	S		196
1300	12	72	WORKXT	B	XXXX		4	3205	B 000		196
1301	12	73		*							

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
1302	12	74	*	READ	ORIGINAL TAPE						
1303	12	75	*								
1304	12	76	READOG	SBR	ORIGXT&3	4		3209	H B58		196
1305	12	77		MCW	BLANK1, IMAGE&21	7		3213	M D30 H51		196
1306	12	78		S	IMAGE&20	4		3220	S H50		196
1307	12	79		S		1		3224	S		197
1308	12	80		S		1		3225	S		197
1309	12	81		S		1		3226	S		197
1310	12	82		SBR	LGTC&6, INPUT4&12	7		3227	H B80 H43		197
1311	12	83		RT	ORIGTP, INPUT4	8		3234	M %U4 H31 R		197
1312	12	84		B	CHKLGT	4		3242	B B59		197
1313	12	85		BER	TFERR	5		3246	B 334 L		197
1314	12	86		S	XR2&1	4		3251	S 095		198
1315	12	87	ORIGXT	B	XXXX	4		3255	B 000		198
1316	12	88	*								
1317	12	89	*	CHECK FOR	SHORT RECORDS						
1318	12	90	*								
1319	12	91	CHKLGT	SBR	XR2	4		3259	H 094		198
1320	12	92		SBR	LGTX&3	4		3263	H B97		198
1321	12	93		MZ	@B@, XR2	7		3267	Y D12 094		198
1322	12	94	LGTC	BCE	4000-12&X2, XXXX, }	8		3274	B IQ8 000 }	GMARK	198
1323	12	95		CHAIN	12					MACRO	
1324				BCE		1		3282	B	GEN	198
1325				BCE		1		3283	B	GEN	199
1326				BCE		1		3284	B	GEN	199
1327				BCE		1		3285	B	GEN	199
1328				BCE		1		3286	B	GEN	199
1329				BCE		1		3287	B	GEN	199
1330				BCE		1		3288	B	GEN	199
1331				BCE		1		3289	B	GEN	199
1332				BCE		1		3290	B	GEN	200
1333				BCE		1		3291	B	GEN	200
1334				BCE		1		3292	B	GEN	200
1335				BCE		1		3293	B	GEN	200
1336	12	96	LGTX	B	XXXX	4		3294	B 000		200
1337	12	97	HOLDA	DCW	&0000	4		3301			200
1338	12	98	BLKCT	EQU	HOLDA-1			3300			
1339	12	99	KBLKNG	DCW	@080@	3		3304			200
1340	13	00	OBJCOR	DCW	@ 3999@	5		3309			201
1341	13	01	CONDNS	DCW	@0@	1		3310			201
1342	13	02	JOB	DCW	#52	52		3362			203
1343	13	03	ERRCNT	DCW	@0000@	4		3366			203
1344	13	04		DCW	@ @	1		3367			203
1345	13	05	SSAVE	DCW	@ @	1		3368			203
1346	13	06	TAFOP	DCW	@ @	1		3369			203
1347	13	07	LSTOP	DCW	@ @	1		3370			204
1348	13	08	NOOUT	DCW	@ @	1		3371			204
1349	13	09	SAVCON	EQU	HOLDA-3			3298			
1350	13	10	QMSAVE	DC	@j@	1		3372		GMARK	204
1351	13	11	WMLOC	DSA	WMSTR-21	3		3375	C90		204

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
1352	13	12	AWMSTR	DSA	WMSTR-21	3		3378	C90		204
1353	13	13	PNHLLOC	DCW	@000@	3		3381			204
1354	13	14	NUMBER	DCW	@001@	3		3384			204
1355	13	15	WMSTR	DCW	@001001040040040040040040040040@	27		3411			205
1356	13	16		LTORG	*				3412		
				DCW	@B@	1		3412		LIT	205
				DCW	@/ 080@	9		3421		LIT	205
				DCW	@/ 080@	7		3428		LIT	206
				DCW	@1@	1		3429		LIT	206
				BLANK4	DCW	#04		3433		AREA	206
				ADDRSW	DCW	#01		3434		AREA	206
				DCW	@ERRORS@	6		3440		LIT	206
				DCW	@ 1@	4		3444		LIT	206
				DCW	@N000000@	7		3451		LIT	206
				DCW	@JOB@	3		3454		LIT	207
				DCW	!1	1		3455		LIT	207
				WMSW	DCW	#01		3456		AREA	207
				DCW	!5	1		3457		LIT	207
				TYPE\$W	DCW	#01		3458		AREA	207
				TYPEA	DCW	#01		3459		AREA	207
				DCW	@IOCS@	4		3463		LIT	207
				DCW	@MACRO@	5		3468		LIT	208
				DCW	@OVERCALL@	8		3476		LIT	208
				DCW	@ADCON@	5		3481		LIT	208
				DCW	@RMARK@	5		3486		LIT	208
				DCW	@G@	1		3487		LIT	208
				DCW	@LIT@	3		3490		LIT	208
				DCW	@00@	2		3492		LIT	208
				HOLDDT	DCW	#52		3544		AREA	210
				DCW	@#@	1		3545		LIT	210
				DCW	@AREA@	4		3549		LIT	210
				DCW	@IO@	2		3551		LIT	210
				DCW	@GEN@	3		3554		LIT	210
				DCW	@X@	1		3555		LIT	211
				DCW	@LABEL@	5		3560		LIT	211
				DCW	@BAD STATEMENT@	13		3573		LIT	211
				WMADDR	DCW	#05		3578		AREA	211
				LOADAD	DCW	#05		3583		AREA	211
				DCW	@ OP@	3		3586		LIT	211
				DCW	@FIELD@	5		3591		LIT	211
				DCW	@SBF@	3		3594		LIT	212
				DCW	@DA @	3		3597		LIT	212
				DCW	@ NO B X L@	9		3606		LIT	212
				DCW	@ 0081@	5		3611		LIT	212
				LINCT	DCW	#02		3613		AREA	212
				DCW	@PAGE@	4		3617		LIT	212
				DCW	@SFX CT LOCN INSTRUCTION TYPE CARD@	36		3653		LIT	213
				DCW	@SEQ PG LIN LABEL OP OPERANDS@	33		3686		LIT	214
				DCW	@0@	1		3687		LIT	214
				DCW	@ ADDR@	5		3692		LIT	214

