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1401 FORTRAN - RELOCATABLE CONDENSER - PHASE 96          50963          PAGE    1
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SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
101	1	01	001	JOB	1401 FORTRAN - RELOCATABLE CONDENSER - PHASE 96						
102	1	02		CTL	645 11						
103	1	03	*								
104	1	04	* EQUATES 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	FIXFRM	EQU	0			0000			
111	1	11	STSTMT	EQU	FIXFRM&5			0005			
112	1	12	COUNT	EQU	FIXFRM&7			0007			
113	1	13	LABADD	EQU	FIXFRM&61			0061			
114	1	14	SUPADD	EQU	FIXFRM&66			0066			
115	1	15	OP	EQU	FIXFRM&67			0067			
116	1	16	AOP	EQU	FIXFRM&70			0070			
117	1	17	BOP	EQU	FIXFRM&73			0073			
118	1	18	DMOD	EQU	FIXFRM&74			0074			
119	1	19	TYPE	EQU	FIXFRM&75			0075			
120	1	20	ALTER	EQU	FIXFRM&80			0080			
121	1	21	XXXX	EQU	0			0000			
122	1	22	PRINT	EQU	200			0200			
123	1	23	LAB	EQU	PRINT&19			0219			
124	1	24	OPCODE	EQU	PRINT&25			0225			
125	1	25	OPRAND	EQU	PRINT&78			0278			
126	1	26	CT	EQU	PRINT&84			0284			
127	1	27	LOCN	EQU	PRINT&90			0290			
128	1	28	INOP	EQU	PRINT&93			0293			
129	1	29	INAOP	EQU	PRINT&97			0297			
130	1	30	INBOP	EQU	PRINT&101			0301			
131	1	31	INDMOD	EQU	PRINT&103			0303			
132	1	32	CARDNO	EQU	PRINT&114			0314			
133	1	33	PUNCH	EQU	100			0100			
134	1	34	ZONE	EQU	189			0189			
135	1	35		XINIT	XR1,XR2,XR3					MACRO	
136			XR1	EQU	089			0089		GEN	
137			089	DCW	000		3	0089		GEN	4
138			091	DC	00		2	0091		GEN	4
139			XR2	EQU	094			0094		GEN	
140			094	DCW	000		3	0094		GEN	4
141			096	DC	00		2	0096		GEN	4
142			XR3	EQU	099			0099		GEN	
143			099	DCW	000		3	0099		GEN	4
144			100	DC	0		1	0100		GEN	4
145	1	36	189	DCW	@2SKB@		4	0189			5
146	1	37	*								
147	1	38	* INITIALIZATION ROUTINE								

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
148	1	39	*								
149	1	40		ORG	333				0333		
150	1	41	SSOP	CS	332	4		0333	/ 332		6
151	1	42		CS		1		0337	/		6
152	1	43		CS	180	4		0338	/ 180		6
153	1	44		RWD	ORIGTP	5		0342	U %U4 R		6
154	1	45		RWD	WORKTP	5		0347	U %U5 R		6
155	1	46		SW	PUNCH&72,PUNCH&76	7		0352	, 172 176		6
156	1	47		A	&4,PUNCH&75	7		0359	A A16 175		6
157	1	48		B	READOG	4		0366	B R80		7
158	1	49	*								
159	1	50	* CHECK FOR JOB CARD								
160	1	51	*								
161	1	52		C	MNEMON-2,@JOB@	7		0370	C H48 A19		7
162	1	53		BU	CKCTL	5		0377	B 408 /		7
163	1	54		LCA	@}@,181	7		0382	L A20 181		7
164	1	55		RT	WORKTP,180	8		0389	M %U5 180 R		7
165	1	56		MCW	IMAGE&80,PUNCH&80	7		0397	M I10 180		7
166	1	57		B	READOG	4		0404	B R80		8
167	1	58	*								
168	1	59	* CHECK FOR CONTROL CARD								
169	1	60	*								
170	1	61	CKCTL	C	MNEMON-2,@CTL@	7		0408	C H48 A23		8
171	1	62		MCW	IMAGE&30,CTLSAV#10	7		0415	M H60 A33		8
172	1	63		BE	TSTSIZ	5		0422	B 438 S		8
173	1	64		MCW	@3@,PROSIZ	7		0427	M A34 A24		8
174	1	65		B	TSTSIZ&4	4		0434	B 442		8
175	1	66	*								
176	1	67	* TEST PROCESSOR MACHINE SIZE								
177	1	68	*								
178	1	69	TSTSIZ	B	READOG	4		0438	B R80		8
179	1	70		C	PROSIZ,@4@	7		0442	C A24 A35		9
180	1	71		BH	GETMAN	5		0449	B 488 U		9
181	1	72		C	PROSIZ,@6@	7		0454	C A24 A36		9
182	1	73		BL	GETMAN	5		0461	B 488 T		9
183	1	74		MCW	@400@,KBLKNG	7		0466	M A39 ?79		9
184	1	75		BCE	GETMAN,PROSIZ,4	8		0473	B 488 A24 4		9
185	1	76		A	@400@,KBLKNG	7		0481	A A39 ?79		10
186	1	77	*								
187	1	78	* SETUP & GET MAIN PROGRAM								
188	1	79	*								
189	1	80	GETMAN	BSP	ORIGTP	5		0488	U %U4 B		10
190	1	81		SW	FIXFRM&1,FIXFRM&6	7		0493	, 001 006		10
191	1	82		SW	FIXFRM&8,FIXFRM&14	7		0500	, 008 014		10
192	1	83		SW	FIXFRM&23,FIXFRM&57	7		0507	, 023 057		10
193	1	84		SW	FIXFRM&62,FIXFRM&67	7		0514	, 062 067		11
194	1	85		SW	FIXFRM&68,FIXFRM&71	7		0521	, 068 071		11
195	1	86		SW	FIXFRM&74	4		0528	, 074		11
196	1	87		MCW	KBLKNG,HOLDA-1	7		0532	M ?79 ?71		11
197	1	88		LCA	@L0 , , , 1 @,PUNCH&71	7		0539	L A71 171		11

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
198	1	89		CW	WMSW#1		4	0546	) A72		11
199	1	90		B	GET		4	0550	B Q95		12
200	1	91		B	SETUP		4	0554	B 767		12
201	1	92	*								
202	1	93	* TAPE		REDUNDANCY ROUTINE						
203	1	94	*								
204	1	95	TPERR	SBR	XR2		4	0558	H 094		12
205	1	96		SBR	REDXT&3		4	0562	H 630		12
206	1	97		MZ	PLUS9,XR2		7	0566	Y 762 094		12
207	1	98		MCW	4000-10&X2,TPINST&7		7	0573	M IR0 621		12
208	1	99		MN	TPINST&7,BSP1&3		7	0580	D 621 597		12
209	2	00		MCW	TPINST&7,INST2&7		7	0587	M 621 730		13
210	2	01	BSP1	BSP	INITAP		5	0594	U %U0 B		13
211	2	02		BCE	WRTRED,TPINST&7,W		8	0599	B 703 621 W		13
212	2	03		MCW	PLUS9,READCT		7	0607	M 762 764		13
213	2	04	TPINST	RT	INITAP,XXXX		8	0614	M %U0 000 R		13
214	2	05		BER	RDRERR		5	0622	B 631 L		14
215	2	06	REDXT	B	XXXX		4	0627	B 000		14
216	2	07	RDRERR	MN	TPINST&3,BSP2&3		7	0631	D 617 641		14
217	2	08	BSP2	BSP	INITAP		5	0638	U %U0 B		14
218	2	09		S	PLUS1,READCT		7	0643	S 763 764		14
219	2	10		BWZ	TPINST,READCT,B		8	0650	V 614 764 B		14
220	2	11		MN	TPINST&3,TPHALT&6		7	0658	D 617 671		15
221	2	12	TPHALT	H	XXXX,790		7	0665	. 000 790		15
222	2	13		MCW	TPINST&7,*&8		7	0672	M 621 686		15
223	2	14		RT	INITAP,XXXX		8	0679	M %U0 000 R		15
224	2	15		BSS	BSP1,E		5	0687	B 594 E		15
225	2	16		H	XXXX,712		7	0692	. 000 712		16
226	2	17		B	REDXT		4	0699	B 627		16
227	2	18	WRTRED	SKP	SYSTAP		5	0703	U %U1 E		16
228	2	19		BCE	SUBCTR,WRTCTR-1,5		8	0708	B 740 765 5		16
229	2	20		A	PLUS1,WRTCTR		7	0716	A 763 766		16
230	2	21	INST2	WT	INITAP,XXXX		8	0723	M %U0 000 W		16
231	2	22		BER	BSP1		5	0731	B 594 L		17
232	2	23		B	REDXT		4	0736	B 627		17
233	2	24	SUBCTR	S	WRTCTR		4	0740	S 766		17
234	2	25		MN	TPINST&3,*&7		7	0744	D 617 757		17
235	2	26		H	XXXX,760		7	0751	. 000 760		17
236	2	27		B	INST2		4	0758	B 723		17
237	2	28	PLUS9	DCW	&9		1	0762			17
238	2	29	PLUS1	DCW	&1		1	0763			18
239	2	30	READCT	DCW	#1		1	0764			18
240	2	31	WRTCTR	DCW	#2		2	0766			18
241	2	32	*								
242	2	33	* BEGIN MAIN		LINE PROGRAM						
243	2	34	*								
244	2	35	SETUP	CS	PRINT&132		4	0767	/ 332		18
245	2	36		CS			1	0771	/		

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
248	2	39	* DETERMINE TYPE								
249	2	40	*								
250	2	41	ANALWK	SW	TYPESW#1	4		0776	, A73		18
251	2	42		SW	RELSW	4		0780	, B31		19
252	2	43		MN	TYPE,TYPEA#1	7		0784	D 075 A74		19
253	2	44		BCE	BYPASS,TYPE,%	8		0791	B T15 075 %		19
254	2	45		BCE	BYPASS,TYPE,8	8		0799	B T15 075 8		19
255	2	46		BCE	BYPASS,TYPE,I	8		0807	B T15 075 I		19
256	2	47		BCE	PROWRK,ALTER,	8		0815	B 977 080		20
257	2	48	ANALOG	BCE	COMXT,LABEL-5,*	8		0823	B 942 H36 *		20
258	2	49		BCE	COMXT,IMAGE&75,R	8		0831	B 942 I05 R		20
259	2	50		BCE	COMXT&4,IMAGE&75,S	8		0839	B 946 I05 S		20
260	2	51		BCE	DOJOB,MNEMON-4,J	8		0847	B 954 H46 J		21
261	2	52		C	ALTER,ALTNO	7		0855	C 080 I14		21
262	2	53		BU	SEQERR	5		0862	B Q84 /		21
263	2	54		B	SETFRE	4		0867	B T31		21
264	2	55		CW	TYPESW	4		0871	) A73		21
265	2	56		BCE	INSTR,TYPE,	8		0875	B T83 075		21
266	2	57		MN	TYPE,XR2	7		0883	D 075 094		22
267	2	58		A	XR2	4		0890	A 094		22
268	2	59		A	XR2	4		0894	A 094		22
269	2	60		B	*&1&X2	4		0898	B 9!2		22
270	2	61		B	DA	4		0902	B W14		22
271	2	62		B	CONST	4		0906	B  99		22
272	2	63		B	DSA	4		0910	B  43		22
273	2	64		B	EXEND	4		0914	B X48		23
274	2	65		B	LITOUT	4		0918	B S01		23
275	2	66		B	TYPERR	4		0922	B T08		23
276	2	67		B	BYPASS	4		0926	B T15		23
277	2	68		B	BYPASS	4		0930	B T15		23
278	2	69		B	TYPERR	4		0934	B T08		23
279	2	70		B	TYPERR	4		0938	B T08		23
280	2	71	*								
281	2	72	* COMMENTS CARD								
282	2	73	*								
283	2	74	COMXT	B	PRNTLN	4		0942	B J10		24
284	2	75		B	READOG	4		0946	B R80		24
285	2	76		B	ANALOG	4		0950	B 823		24
286	2	77	*								
287	2	78	* NEW JOB CARD								
288	2	79	*								
289	2	80	DOJOB	BW	DOIDT,NEWSW	8		0954	V 966 B98 1		24
290	2	81		B	PNCHCD	4		0962	B N75		24
291	2	82	DOIDT	MCW	IMAGE&80,PUNCH&80	7		0966	M I10 180		24
292	2	83		B	COMXT	4		0973	B 942		24
293	2	84	*								
294	2	85	* PROGRAM GENERATED RECORD								
295	2	86	*								
296	2	87	PROWRK	BCE	XTRA,TYPE,Y	8		0977	B  05 075 Y		25
297	2	88		BCE	ADCON,TYPE,S	8		0985	B  25 075 S		25

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
298	2	89		BCE	LITRAL,TYPEA,1	8		0993	B  65 A74 1		25
299	2	90		B	TYPERR	4		1001	B T08		25
300	2	91	*								
301	2	92	*		LITERAL GREATER THAN 30 CHARACTERS						
302	2	93	*								
303	2	94	XTRA	SW	PRINT&27	4		1005	, 227		25
304	2	95		MCW	FIXFRM&72,OPRAND	7		1009	M 072 278		25
305	2	96			CHAIN 5					MACRO	
306				MCW		1		1016	M	GEN	26
307				MCW		1		1017	M	GEN	26
308				MCW		1		1018	M	GEN	26
309				MCW		1		1019	M	GEN	26
310				MCW		1		1020	M	GEN	26
311	2	97		B	BYPASS	4		1021	B T15		26
312	2	98	*								
313	2	99	*		ADCON CARD						
314	3	00	*								
315	3	01	ADCON	SW	PRINT&27	4		1025	, 227		26
316	3	02		MCW	FIXFRM&53,PRINT&40	7		1029	M 053 240		27
317	3	03		MCW	FIXFRM&16,OPCODE-2	7		1036	M 016 223		27
318	3	04	DSA	MCW	BOP,PRINT&95	7		1043	M 073 295		27
319	3	05		MCW	BOP,HOLDH&3	7		1050	M 073 A79		27
320	3	06		B	SETADD	4		1057	B S75		27
321	3	07		B	SETLIT	4		1061	B /93		27
322	3	08	*								
323	3	09	*		LITERAL & AREA DEFINITION CARDS						
324	3	10	*								
325	3	11	LITRAL	BWZ	PROLIT,TYPE,S	8		1065	V  85 075 S		28
326	3	12		BWZ	DADC,FIXFRM&1,B	8		1073	V S58 001 B		28
327	3	13		B	PROLIT	4		1081	B  85		28
328	3	14	PROLIT	MCW	FIXFRM&53,PRINT&57	7		1085	M 053 257		28
329	3	15		MCW	FIXFRM&16,OPCODE-2	7		1092	M 016 223		28
330	3	16	CONST	B	SETADD	4		1099	B S75		28
331	3	17		A	@00@,COUNT	7		1103	A A76 007		29
332	3	18		C	COUNT,@00@	7		1110	C 007 A76		29
333	3	19		BL	GOOD	5		1117	B /33 T		29
334	3	20		MZ	ZONE-1,STSTMT	7		1122	Y 188 005		29
335	3	21		B	SETLIT	4		1129	B /93		29
336	3	22	GOOD	BCE	AREADF,PRINT&27,#	8		1133	B S20 227 #		29
337	3	23		BWZ	AREADF,FIXFRM&4,B	8		1141	V S20 004 B		30
338	3	24		MCW	OPRAND,HOLDDT-1	7		1149	M 278 B27		30
339	3	25		BCE	SETLIT,PRINT&27,@	8		1156	B /93 227 @		30
340	3	26		BWZ	UNSIGN,PRINT&27,2	8		1164	V S09 227 2		30
341	3	27		MCW	COUNT,XR1	7		1172	M 007 089		30
342	3	28		MZ	BLANK4,PRINT&27&X1	7		1179	Y ?76 2S7		31
343	3	29		MZ	PRINT&27,HOLDH&X1	7		1186	Y 227 AX6		31
344	3	30	SETLIT	B	SETLOC	4		1193	B T60		31
345	3	31		B	CONDNS	4		1197	B J23		31
346	3	32	LITOUT	B	PRNTLN	4		1201	B J10		31
347	3	33		B	BYPASS	4		1205	B T15		31

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
348	3	34	UNSIGN	MCW	OPRAND,HOLDDT#52	7		1209	M 278 B28		31
349	3	35		B	SETLIT	4		1216	B /93		32
350	3	36	AREADF	BW	*&5,TYPESW	8		1220	V S32 A73 1		32
351	3	37		B	SETLIT	4		1228	B /93		32
352	3	38		MCW	FIXFRM&13,LAB	7		1232	M 013 219		32
353	3	39		MCW	BLANK4-2,PRINT&31	7		1239	M ?74 231		32
354	3	40		MCW	COUNT	4		1246	M 007		32
355	3	41		MCW	@##	4		1250	M B29		32
356	3	42		B	SETLIT	4		1254	B /93		33
357	3	43	DADC	B	SETADD	4		1258	B S75		33
358	3	44		B	CONDNS	4		1262	B J23		33
359	3	45		CS	PRINT&132	4		1266	/ 332		33
360	3	46		CS		1		1270	/		33
361	3	47		B	BYPASS	4		1271	B T15		33
362	3	48	*								
363	3	49	*		SET CONDENSE ADDRESSES FOR CONSTANTS						
364	3	50	*								
365	3	51	SETADD	SBR	ADDXT&3	4		1275	H T07		33
366	3	52		ZA	LABADD,LOADAD	7		1279	? 061 B53		34
367	3	53		MCW	LOADAD	4		1286	M B53		34
368	3	54		S	COUNT,WMADDR	7		1290	S 007 B48		34
369	3	55		A	&1,WMADDR	7		1297	A B30 B48		34
370	3	56	ADDXT	B	XXXX	4		1304	B 000		34
371	3	57	*								
372	3	58	*		GET NEXT RECORDS						
373	3	59	*								
374	3	60	TYPERR	H	XXXX,770	7		1308	. 000 770		34
375	3	61	BYPASS	B	GET	4		1315	B Q95		35
376	3	62		BW	ANALWK,TYPESW	8		1319	V 776 A73 1		35
377	3	63		B	GETORG	4		1327	B 772		35
378	3	64	*								
379	3	65	*		FREE FORM RECORD TO PRINT AREA						
380	3	66	*								
381	3	67	SETFRE	SBR	FREEXT&3	4		1331	H T59		35
382	3	68		MCW	LABEL,LAB	7		1335	M H41 219		35
383	3	69		MCW	MNEMON,OPCODE	7		1342	M H50 225		35
384	3	70		MCW	OPERND,OPRAND	7		1349	M I02 278		36
385	3	71	FREEXT	B	XXXX	4		1356	B 000		36
386	3	72	*								
387	3	73	*		ASSEMBLED INFORMATION TO PRINT AREA						
388	3	74	*								
389	3	75	SETLOC	SBR	LOCXT&3	4		1360	H T82		36
390	3	76		MCS	COUNT,CT	7		1364	Z 007 284		36
391	3	77		MN	LABADD,LOCN	7		1371	D 061 290		36
392	3	78		MCW		1		1378	M		36
393	3	79	LOCXT	B	XXXX	4		1379	B 000		36
394	3	80	*								
395	3	81	*		INSTRUCTION CARD						
396	3	82	*								
397	3	83	INSTR	MCW	DMOD,INDMOD	7		1383	M 074 303		37

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
398	3	84		MCW	BOP, INBOP	7		1390	M 073 301		37
399	3	85		MCW	AOP, INAOP	7		1397	M 070 297		37
400	3	86		MCW	OP, INOP	7		1404	M 067 293		37
401	3	87		MCW	DMOD, HOLDH&8	7		1411	M 074 A84		37
402	3	88		MCW		1		1418	M		37
403	3	89		MCW		1		1419	M		37
404	3	90		MCW		1		1420	M		38
405	3	91		CW	RELSW#1	4		1421	) B31		38
406	3	92		MCW	@186@, RELAD#3	7		1425	M B34 B37		38
407	3	93		S	XR3&1	4		1432	S 100		38
408	3	94		S		1		1436	S		38
409	3	95		S		1		1437	S		38
410	3	96	NXTADD	BCE	DOBOP, OPADDR, #	8		1438	B V36 OP0 #		38
411	3	97		BCE	DOBOP, OPADDR-2, %	8		1446	B V36 008 %		39
412	3	98		BCE	DOBOP, OPADDR,	8		1454	B V36 OP0		39
413	3	99		BWZ	*&5, OPADDR, 2	8		1462	V U74 OP0 2		39
414	4	00		B	ASKSYM	4		1470	B U90		39
415	4	01		BWZ	DOBOP, OPADDR-2, 2	8		1474	V V36 008 2		39
416	4	02		BWZ	DOBOP, OPADDR-2, S	8		1482	V V36 008 S		40
417	4	03	ASKSYM	BCE	ISSYM, OPSYM, @	8		1490	B V14 0/7 @		40
418	4	04		BCE	ISSYM, OPSYM, #	8		1498	B V14 0/7 #		40
419	4	05		BWZ	QUSYM, OPSYM, 2	8		1506	V V70 0/7 2		40
420	4	06	ISSYM	A	&1, RELAD	7		1514	A B30 B37		40
421	4	07		BCE	RELFIN, XR2, 3	8		1521	B V82 094 3		41
422	4	08		A	&1, RELAD	7		1529	A B30 B37		41
423	4	09	DOBOP	A	&3, XR2	7		1536	A B38 094		41
424	4	10		A	&11, XR1	7		1543	A B40 089		41
425	4	11		S	XR3&1	4		1550	S 100		41
426	4	12		C	XR2, @003@	7		1554	C 094 B43		42
427	4	13		BE	NXTADD	5		1561	B U38 S		42
428	4	14		B	RELFIN	4		1566	B V82		42
429	4	15	QUSYM	BWZ	DOBOP, OPSYM&1, 2	8		1570	V V36 0/8 2		42
430	4	16		B	ISSYM	4		1578	B V14		42
431	4	17	OPADDR	EQU	AOP&X2			0070	X		
432	4	18	OPSYM	EQU	FIXFRM&17&X1			0017	X		
433	4	19	RELFIN	MCW	LABADD, WMADDR#5	7		1582	M 061 B48		42
434	4	20		MCW	LABADD, LOADAD#5	7		1589	M 061 B53		43
435	4	21		A	COUNT, LOADAD	7		1596	A 007 B53		43
436	4	22		S	&1, LOADAD	7		1603	S B30 B53		43
437	4	23		B	SETLIT	4		1610	B /93		43
438	4	24	*								
439	4	25	* DEFINE AREA CARDS								
440	4	26	*								
441	4	27	DA	BCE	HEADER, TYPE, 0	8		1614	B W93 075 0		43
442	4	28		MCW	SUPADD, WMADDR	7		1622	M 066 B48		44
443	4	29		BWZ	SETDA, TYPE, B	8		1629	V W45 075 B		44
444	4	30		B	SETLOC	4		1637	B T60		44
445	4	31		B	LITOUT	4		1641	B S01		44
446	4	32	SETDA	B	SETLOC	4		1645	B T60		44
447	4	33		B	CONDNS	4		1649	B J23		44

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
448	4	34		B	PRNTLN	4		1653	B J10		44
449	4	35	BYPDA	B	GET	4		1657	B Q95		45
450	4	36		BCE	RPTOUT,TYPE,	8		1661	B W73 075		45
451	4	37		B	GETORG	4		1669	B 772		45
452	4	38	RPTOUT	MCW	SUPADD,WMADDR	7		1673	M 066 B48		45
453	4	39		B	CONDNS	4		1680	B J23		45
454	4	40		CS	PRINT&132	4		1684	/ 332		45
455	4	41		CS		1		1688	/		45
456	4	42		B	BYPDA	4		1689	B W57		46
457	4	43	HEADER	B	SETLOC	4		1693	B T60		46
458	4	44	NXTRPT	MN	SUPADD,PRINT&97	7		1697	D 066 297		46
459	4	45		MCW		1		1704	M		46
460	4	46		MCW	LABADD,WMADDR	7		1705	M 061 B48		46
461	4	47		B	CONDNS	4		1712	B J23		46
462	4	48		B	GET	4		1716	B Q95		46
463	4	49		C	FIXFRM&16,@DA @	7		1720	C 016 B56		47
464	4	50		BU	PNTDA	5		1727	B X40 /		47
465	4	51		BCE	NXTRPT,TYPE,	8		1732	B W97 075		47
466	4	52	PNTDA	B	PRNTLN	4		1740	B J10		47
467	4	53		B	GETORG	4		1744	B 772		47
468	4	54	*								
469	4	55	* EX, END CARDS								
470	4	56	*								
471	4	57	EXEND	MCW	@B@,INOP	7		1748	M B57 293		47
472	4	58		MCW	@B@,HOLDH&1	7		1755	M B57 A77		48
473	4	59		BCE	SETAOP,TYPE,C	8		1762	B X84 075 C		48
474	4	60		MCW	@/ 080@,INBOP	7		1770	M B66 301		48
475	4	61		MCW	@/ 080@,HOLDH&7	7		1777	M B73 A83		48
476	4	62	SETAOP	MCW	AOP,INAOP	7		1784	M 070 297		48
477	4	63		MCW	AOP,HOLDH&4	7		1791	M 070 A80		49
478	4	64		B	SETLOC	4		1798	B T60		49
479	4	65		B	CONDNS	4		1802	B J23		49
480	4	66		B	PRNTLN	4		1806	B J10		49
481	4	67		BCE	BYPASS,TYPE,C	8		1810	B T15 075 C		49
482	4	68		H	*-3	4		1818	. Y18		49
483	4	69	*								
484	4	70	* CONDENSE EX, END CARDS								
485	4	71	*								
486	4	72	NOCARD	C	WMLOC,AWMSTR	7		1822	C ?82 ?85		49
487	4	73		BE	TSTEND	5		1829	B Y50 S		50
488	4	74		CW	NEWSW	4		1834	) B98		50
489	4	75	ENDRTN	BW	NOCARD,NEWSW	8		1838	V Y22 B98 1		50
490	4	76		B	PNCHCD	4		1846	B N75		50
491	4	77	TSTEND	BCE	EXCUTE,TYPE,C	8		1850	B Y87 075 C		50
492	4	78		CS	PUNCH&71	4		1858	/ 171		50
493	4	79		MCW	HOLDH&7,PUNCH&46	7		1862	M A83 146		51
494	4	80		MCS	PUNCH&75,CARDNO	7		1869	Z 175 314		51
495	4	81		MCW	&LSTCD,PNHXT&3	7		1876	M B76 P31		51
496	4	82		B	TSTPCH	4		1883	B O67		51
497	4	83	EXCUTE	MCE	WMSTR,PUNCH&71	7		1887	E A15 171		51



SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	
498	4	84		MCW	@N0000000@,PUNCH&46		7	1894	M B83 146		51	
499	4	85		MCW	HOLDH&4,PUNCH&71		7	1901	M A80 171		52	
500	4	86		MCS	PUNCH&75,CARDNO		7	1908	Z 175 314		52	
501	4	87		MCW	&EXOUT,PNHXT&3		7	1915	M B86 P31		52	
502	4	88		B	TSTPCH		4	1922	B O67		52	
503	4	89	*									
504	4	90	* PUNCH COMPATIBILITY CARDS									
505	4	91	*									
506	4	92	EXOUT	CS	PUNCH&71		4	1926	/ 171		52	
507	4	93		B	READOG		4	1930	B R80		52	
508	4	94		BSP	ORIGTP		5	1934	U %U4 B		52	
509	4	95		BCE	*&5,MNEMON-4,J		8	1939	B Z51 H46 J		53	
510	4	96		B	*&8		4	1947	B Z58		53	
511	4	97		MCW	IMAGE&80,PUNCH&80		7	1951	M I10 180		53	
512	4	98		MCW	WORD2,PUNCH&39		7	1958	M !66 139		53	
513	4	99		LCA	WORD3,PUNCH&66		7	1965	L !77 166		53	
514	5	00		MCW	PUNCH&66,PUNCH&50		7	1972	M 166 150		54	
515	5	01		P			1	1979	4		54	
516	5	02		CS	PUNCH&66		4	1980	/ 166		54	
517	5	03		A	&1,PUNCH&75		7	1984	A B30 175		54	
518	5	04		MCW	WORD4,PUNCH&21		7	1991	M !98 121		54	
519	5	05		MCW	WORD5,PUNCH&71		7	1998	M J09 171		54	
520	5	06		MCW	&OUTEX,PNHXT&3		7	2005	M B89 P31		55	
521	5	07		P			1	2012	4		55	
522	5	08		B	NEWCRD		4	2013	B O68		55	
523	5	09	LSTCD	CS	PUNCH&80		4	2017	/ 180		55	
524	5	10		P			1	2021	4		55	
525	5	11		SS	8		2	2022	K 8		55	
526	5	12	OUTEX	B	CNDOUT&7		4	2024	B Q55		55	
527	5	13	WORD2	DCW	@,015022)024056,029036,040047,0540611001@		39	2066			56	
528	5	14	WORD3	DCW	@,001008B001@		11	2077			57	
529	5	15	WORD4	DCW	@,068072)063067/061039@		21	2098			57	
530	5	16	WORD5	DCW	@,0010011040@		11	2109			58	
531	5	17	*									
532	5	18	* PRINT STATEMENTS									
533	5	19	*									
534	5	20	PRNTLN	SBR	PRNTXT&3		4	2110	H J22		58	
535	5	21		CS	PRINT&132		4	2114	/ 332		58	
536	5	22		CS			1	2118	/		58	
537	5	23	PRNTXT	B	XXXX		4	2119	B 000		58	
538	5	24	*									
539	5	25	* CONDENSE ROUTINE									
540	5	26	*									
541	5	27	CONDNS	SBR	CONDXT&3		4	2123	H Q83		58	
542	5	28		CW	BIGSW,DCSW		7	2127	) C98 C21		58	
543	5	29		BM	CONDXT,STSTMT		8	2134	V Q80 005 K		59	
544	5	30		BW	PNCHCD,WMSW		8	2142	V N75 A72 1		59	
545	5	31	*									
546	5	32	* PROCESS RECORD									
547	5	33	*									

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
548	5	34	NXTRCD	BCE	DOWM,TYPEA,0	8		2150	B L08 A74 0		59
549	5	35		BCE	ENDRTN,TYPEA,3	8		2158	B Y38 A74 3		59
550	5	36		BWZ	TSTDC,TYPE,B	8		2166	V M08 075 B		60
551	5	37	*								
552	5	38	* TEST	ROOM	ON CARD						
553	5	39	*								
554	5	40	TSTROM	C	COUNT,@39@	7		2174	C 007 B91		60
555	5	41		BL	TSTCON	5		2181	B P32 T		60
556	5	42		MCW	PNHLOC,ROOMCT#3	7		2186	M ?88 B94		60
557	5	43		A	COUNT,ROOMCT	7		2193	A 007 B94		60
558	5	44		C	ROOMCT,@039@	7		2200	C B94 B97		61
559	5	45		BL	SETPNH	5		2207	B M00 T		61
560	5	46		BW	RSTCTR,NEWSW#1	8		2212	V L89 B98 1		61
561	5	47	*								
562	5	48	* TEST	SEQUENCE							
563	5	49	*								
564	5	50		MCW	COUNTR#5,SEQCT#5	7		2220	M C03 C08		61
565	5	51		A	COUNT,SEQCT	7		2227	A 007 C08		61
566	5	52		C	LOADAD,SEQCT	7		2234	C B53 C08		62
567	5	53		BU	SETPNH	5		2241	B M00 /		62
568	5	54		A	COUNT,COUNTR	7		2246	A 007 C03		62
569	5	55	*								
570	5	56	* MOVE	DATA	TO PUNCH AREA						
571	5	57	*								
572	5	58	MVDATA	MCW	&HOLDH,XR3	7		2253	M C11 099		62
573	5	59		A	COUNT,XR3	7		2260	A 007 099		62
574	5	60		A	COUNT,PNHLOC	7		2267	A 007 ?88		63
575	5	61		MCW	PNHLOC,XR2	7		2274	M ?88 094		63
576	5	62		MCW	XXXX&X3,PUNCH&X2	7		2281	M 0?0 1!0		63
577	5	63		CW	DATASW#1	4		2288	) C12		63
578	5	64		BW	FIRST,NEWSW	8		2292	V M44 B98 1		63
579	5	65		BWZ	CNDOUT,TYPE,B	8		2300	V Q48 075 B		64
580	5	66	*								
581	5	67	* SET	WORD	MARK ADDRESS						
582	5	68	*								
583	5	69	DOWM	MCW	WMADDR,CNVADD#5	7		2308	M B48 C17		64
584	5	70		B	CNVRT	4		2315	B N29		64
585	5	71		A	&3,WMLOC	7		2319	A B38 ?82		64
586	5	72		MCW	WMLOC,XR1	7		2326	M ?82 089		64
587	5	73		MCW	CNVADD,WMADDR-2	7		2333	M C17 B46		65
588	5	74		BW	MVWMAD,RELSW	8		2340	V L62 B31 1		65
589	5	75		MCW	RELAD,*&4	7		2348	M B37 L58		65
590	5	76		MZ	ZONE,WMADDR-3	7		2355	Y 189 B45		65
591	5	77	MVWMAD	MCW	WMADDR-2,XXXX&X1	7		2362	M B46 0 0		65
592	5	78		C	XR1,&WMSTR-3	7		2369	C 089 C20		66
593	5	79		BU	CNDOUT	5		2376	B Q48 /		66
594	5	80		SW	WMSW	4		2381	, A72		66
595	5	81		B	CNDOUT	4		2385	B Q48		66
596	5	82	RSTCTR	MCW	LOADAD,COUNTR	7		2389	M B53 C03		66
597	5	83		B	MVDATA	4		2396	B K53		66

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
598	5	84	SETPNH	B	PNCHCD	4		2400	B N75		66
599	5	85		B	NXTRCD	4		2404	B J50		67
600	5	86	TSTDC	BW	COMPWM,NEWSW	8		2408	V M20 B98	1	67
601	5	87		B	TSTROM	4		2416	B J74		67
602	5	88	COMPWM	C	WMLOC,AWMSTR	7		2420	C ?82 ?85		67
603	5	89		BE	TSTROM	5		2427	B J74 S		67
604	5	90		SW	DCSW#1	4		2432	, C21		67
605	5	91		B	PNCHCD	4		2436	B N75		67
606	5	92		B	TSTROM	4		2440	B J74		68
607	5	93	*								
608	5	94	* FIRST DATA ON CARD								
609	5	95	*								
610	5	96	FIRST	CW	NEWSW	4		2444	) B98		68
611	5	97		BWZ	PRODC,TYPE,B	8		2448	V M82 075	B	68
612	5	98		BW	CNDOUT,RELSW	8		2456	V Q48 B31	1	68
613	5	99		MCW	RELAD,*&4	7		2464	M B37 M74		68
614	6	00		MZ	ZONE,SVZONE#1	7		2471	Y 189 C22		68
615	6	01		B	CNDOUT	4		2478	B Q48		69
616	6	02	*								
617	6	03	* CONDENSE DC CARDS								
618	6	04	*								
619	6	05	PRODC	MCW	@)@,PUNCH&47	7		2482	M C23 147		69
620	6	06		MCW	WMADDR,CNVADD	7		2489	M B48 C17		69
621	6	07		B	CNVRT	4		2496	B N29		69
622	6	08		MCW	CNVADD,WMADDR-2	7		2500	M C17 B46		69
623	6	09		MCW	WMADDR-2,WMSTR-15	7		2507	M B46 A00		69
624	6	10		MCW	WMADDR-2	4		2514	M B46		70
625	6	11		A	&6,WMLOC	7		2518	A C24 ?82		70
626	6	12		B	CNDOUT	4		2525	B Q48		70
627	6	13	*								
628	6	14	* CONVERT 5 DIGIT TO 3 DIGIT ADDRESS								
629	6	15	*								
630	6	16	CNVRT	SBR	CNVXT&3	4		2529	H N74		70
631	6	17		BAV	*&1	5		2533	B N38 Z		70
632	6	18	ADDAGN	A	&96,CNVADD-3	7		2538	A C26 C14		70
633	6	19		BAV	ADDAGN	5		2545	B N38 Z		70
634	6	20		MZ	CNVADD-4,CNVADD	7		2550	Y C13 C17		71
635	6	21		MN	CNVADD-3,*&4	7		2557	D C14 N67		71
636	6	22		MZ	ZONE,CNVADD-2	7		2564	Y 189 C15		71
637	6	23	CNVXT	B	XXXX	4		2571	B 000		71
638	6	24	*								
639	6	25	* PUNCH A CARD								
640	6	26	*								
641	6	27	PNCHCD	SBR	PNHXT&3	4		2575	H P31		71
642	6	28		BW	EDIT,DCSW	8		2579	V O27 C21	1	71
643	6	29		BW	EDIT,DATASW	8		2587	V O27 C12	1	72
644	6	30		MCW	COUNTR,CNVADD	7		2595	M C03 C17		72
645	6	31		B	CNVRT	4		2602	B N29		72
646	6	32		MCW	CNVADD,WMSTR-21	7		2606	M C17 ?94		72
647	6	33		MCW	PNHLOC,WMSTR-24	7		2613	M ?88 ?91		72

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
648	6	34		MZ	SVZONE,WMSTR-22	7		2620	Y C22 ?93		73
649	6	35	EDIT	MCE	WMSTR,PUNCH&71	7		2627	E A15 171		73
650	6	36		MN	@0@,PUNCH&41	7		2634	D C27 141		73
651	6	37		MZ	@ @,COUNTR	7		2641	Y C28 C03		73
652	6	38		C	COUNTR,@02000@	7		2648	C C03 C33		73
653	6	39		BH	TSTPCH	5		2655	B 067 U		74
654	6	40		MZ	ZONE,PUNCH&42	7		2660	Y 189 142		74
655	6	41	TSTPCH	P		1		2667	4		74
656	6	42		*							
657	6	43		*	RESET COUNTERS AND SWITCHES						
658	6	44		*							
659	6	45	NEWCRD	A	&1,PUNCH&75	7		2668	A B30 175		74
660	6	46		CS	PUNCH&71	4		2675	/ 171		74
661	6	47		LCA	@L0 , , , 1 @,PUNCH&71	7		2679	L C65 171		74
662	6	48		SW	NEWSW,DATASW	7		2686	, B98 C12		74
663	6	49		CW	WMSW,DCSW	7		2693	) A72 C21		75
664	6	50		MZ	@ @,SVZONE	7		2700	Y C28 C22		75
665	6	51		MCW	@000@,PNHLOC	7		2707	M C68 ?88		75
666	6	52		MCW	AWMSTR,WMLOC	7		2714	M ?85 ?82		75
667	6	53		MCW	@001001040040040040040040@,WMSTR	7		2721	M C95 A15		75
668	6	54	PNHXT	B	XXXX	4		2728	B 000		75
669	6	55		*							
670	6	56		*	CONSTANT GREATER THAN 39 CHARACTERS						
671	6	57		*							
672	6	58	TSTCON	BW	*&5,NEWSW	8		2732	V P44 B98 1		76
673	6	59		B	PNCHCD	4		2740	B N75		76
674	6	60		MCW	COUNT,HOLDCT#2	7		2744	M 007 C97		76
675	6	61		MCW	LOADAD,COUNTR	7		2751	M B53 C03		76
676	6	62		MCW	@39@,COUNT	7		2758	M B91 007		76
677	6	63		S	@39@,HOLDCT	7		2765	S B91 C97		77
678	6	64		S	HOLDCT,COUNTR	7		2772	S C97 C03		77
679	6	65		MZ	ZONE-3,HOLDCT	7		2779	Y 186 C97		77
680	6	66		SW	BIGSW#1	4		2786	, C98		77
681	6	67		MCW	WMADDR,SAVEWM#5	7		2790	M B48 D03		77
682	6	68		B	MVDATA	4		2797	B K53		77
683	6	69	BIGRN	B	PNCHCD	4		2801	B N75		78
684	6	70		CW	BIGSW	4		2805	) C98		78
685	6	71		MCW	HOLDCT,COUNT	7		2809	M C97 007		78
686	6	72		MCW	@A@,TYPE	7		2816	M D04 075		78
687	6	73		MCW	HOLDDT,HOLDDT-39	7		2823	M B28 A89		78
688	6	74		MCW	SAVEWM,WMADDR	7		2830	M D03 B48		78
689	6	75		A	@39@,WMADDR	7		2837	A B91 B48		79
690	6	76		B	RSTCTR	4		2844	B L89		79
691	6	77		*							
692	6	78		*	EXIT FROM CONDENSE ROUTINE						
693	6	79		*							
694	6	80	CNDOUT	MCS	PUNCH&75,CARDNO	7		2848	Z 175 314		79
695	6	81		S	XR3&1	4		2855	S 100		79
696	6	82		S		1		2859	S		79
697	6	83		S		1		2860	S		79

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
698	6	84		BW	BIGRN,BIGSW	8		2861	V Q01 C98	1	79
699	6	85		MCW	BLANK1,HOLDDT	7		2869	M ?73 B28		80
700	6	86		MCW	HOLDDT	4		2876	M B28		80
701	6	87	CONDXT	B	XXXX	4		2880	B 000		80
702	6	88	*								
703	6	89	*	SEQUENCE ERROR ON INPUT RECORDS							
704	6	90	*								
705	6	91	SEQERR	H	XXXX,777	7		2884	. 000 777		80
706	6	92		B	SEQERR	4		2891	B Q84		80
707	6	93	*								
708	6	94	*	GET RECORD FROM WORKING TAPE							
709	6	95	*								
710	6	96	GET	SBR	WORKXT&3	4		2895	H R79		80
711	6	97		C	BLKCT,KBLKNG	7		2899	C ?71 ?79		80
712	6	98		BU	NXTREC	5		2906	B R39 /		81
713	6	99		S	HOLDA	4		2911	S ?72		81
714	7	00		MCW	&INPUT5&13,LGTCK&6	7		2915	M D07 ?51		81
715	7	01		RT	WORKTP,INPUT5	8		2922	M %U5 I18 R		81
716	7	02		B	CHKLGT	4		2930	B ?30		81
717	7	03		BER	TPERR	5		2934	B 558 L		81
718	7	04	NXTREC	A	&80,BLKCT	7		2939	A D09 ?71		82
719	7	05		MCW	BLKCT,XR3	7		2946	M ?71 099		82
720	7	06		MCW	FIXINP,FIXFRM&80	7		2953	M IA7 080		82
721	7	07		CHAIN	10					MACRO	
722				MCW		1		2960	M	GEN	82
723				MCW		1		2961	M	GEN	82
724				MCW		1		2962	M	GEN	82
725				MCW		1		2963	M	GEN	82
726				MCW		1		2964	M	GEN	83
727				MCW		1		2965	M	GEN	83
728				MCW		1		2966	M	GEN	83
729				MCW		1		2967	M	GEN	83
730				MCW		1		2968	M	GEN	83
731				MCW		1		2969	M	GEN	83
732	7	08		S	XR3&1	4		2970	S 100		83
733	7	09		S		1		2974	S		84
734	7	10		S		1		2975	S		84
735	7	11	WORKXT	B	XXXX	4		2976	B 000		84
736	7	12	*								
737	7	13	*	READ ORIGINAL TAPE							
738	7	14	*								
739	7	15	READOG	SBR	ORIGXT&3	4		2980	H ?29		84
740	7	16		MCW	BLANK1,IMAGE&21	7		2984	M ?73 H51		84
741	7	17		S	IMAGE&20	4		2991	S H50		84
742	7	18		S		1		2995	S		84
743	7	19		S		1		2996	S		85
744	7	20		S		1		2997	S		85
745	7	21		MCW	&INPUT4&12,LGTCK&6	7		2998	M D12 ?51		85
746	7	22		RT	ORIGTP,INPUT4	8		3005	M %U4 H31 R		85
747	7	23		B	CHKLGT	4		3013	B ?30		85

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
748	7	24		BER	TPERR	5		3017	B 558 L		85
749	7	25		S	XR2&1	4		3022	S 095		85
750	7	26	ORIGXT	B	XXXX	4		3026	B 000		86
751	7	27	*								
752	7	28	* CHECK FOR		SHORT RECORDS						
753	7	29	*								
754	7	30	CHKLGT	SBR	XR2	4		3030	H 094		86
755	7	31		SBR	LGTXT&3	4		3034	H ?68		86
756	7	32		MZ	@B@,XR2	7		3038	Y B57 094		86
757	7	33	LGTCK	BCE	4000-12&X2,XXXX,	8		3045	B IQ8 000		86
758	7	34		CHAIN	12					MACRO	
759				BCE		1		3053	B	GEN	86
760				BCE		1		3054	B	GEN	86
761				BCE		1		3055	B	GEN	87
762				BCE		1		3056	B	GEN	87
763				BCE		1		3057	B	GEN	87
764				BCE		1		3058	B	GEN	87
765				BCE		1		3059	B	GEN	87
766				BCE		1		3060	B	GEN	87
767				BCE		1		3061	B	GEN	87
768				BCE		1		3062	B	GEN	88
769				BCE		1		3063	B	GEN	88
770				BCE		1		3064	B	GEN	88
771	7	35	LGTXT	B	XXXX	4		3065	B 000		88
772	7	36	HOLDA	DCW	&0000	4		3072			88
773	7	37	BLANK4	DCW	#4	4		3076			88
774	7	38	BLKCT	EQU	HOLDA-1			3071			
775	7	39	KBLKNG	DCW	@080@	3		3079			88
776	7	40	WMLOC	DSA	WMSTR-21	3		3082	?94		89
777	7	41	AWMSTR	DSA	WMSTR-21	3		3085	?94		89
778	7	42	PNHLOC	DCW	@000@	3		3088			89
779	7	43	WMSTR	DCW	@001001040040040040040040@	27		3115			89
780	7	44		LTORG	*				3116		
				DCW	&4	1		3116		LIT	89
				DCW	@JOB@	3		3119		LIT	90
				DCW	@}@	1		3120		LIT	90
				DCW	@CTL@	3		3123		LIT	90
			CTLSAV	DCW	#10	10		3133		AREA	90
				DCW	@3@	1		3134		LIT	90
				DCW	@4@	1		3135		LIT	90
				DCW	@6@	1		3136		LIT	90
				DCW	@400@	3		3139		LIT	91
				DCW	@L0 , , , 1 @	32		3171		LIT	91
			WMSW	DCW	#01	1		3172		AREA	91
			TYPESW	DCW	#01	1		3173		AREA	91
			TYPEA	DCW	#01	1		3174		AREA	91
				DCW	@00@	2		3176		LIT	92
			HOLDDT	DCW	#52	52		3228		AREA	94
				DCW	@#@	1		3229		LIT	94
				DCW	&1	1		3230		LIT	94

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
			RELSW	DCW	#01		1	3231		AREA	94
				DCW	@186@		3	3234		LIT	94
			RELAD	DCW	#03		3	3237		AREA	95
				DCW	&3		1	3238		LIT	95
				DCW	&11		2	3240		LIT	95
				DCW	@003@		3	3243		LIT	95
			WMADDR	DCW	#05		5	3248		AREA	95
			LOADAD	DCW	#05		5	3253		AREA	95
				DCW	@DA @		3	3256		LIT	95
				DCW	@B@		1	3257		LIT	96
				DCW	@/ 080@		9	3266		LIT	96
				DCW	@/ 080@		7	3273		LIT	96
				DCW	&LSTCD		3	3276	!17	ADCON	96
				DCW	@N0000000@		7	3283		LIT	96
				DCW	&EXOUT		3	3286	Z26	ADCON	96
				DCW	&OUTEX		3	3289	!24	ADCON	96
				DCW	@39@		2	3291		LIT	97
			ROOMCT	DCW	#03		3	3294		AREA	97
				DCW	@039@		3	3297		LIT	97
			NEWSW	DCW	#01		1	3298		AREA	97
			COUNTR	DCW	#05		5	3303		AREA	97
			SEQCT	DCW	#05		5	3308		AREA	97
				DCW	&HOLDH		3	3311	A76	ADCON	97
			DATASW	DCW	#01		1	3312		AREA	98
			CNVADD	DCW	#05		5	3317		AREA	98
				DCW	&WMSTR-3		3	3320	A12	ADCON	98
			DCSW	DCW	#01		1	3321		AREA	98
			SVZONE	DCW	#01		1	3322		AREA	98
				DCW	@)@		1	3323		LIT	98
				DCW	&6		1	3324		LIT	98
				DCW	&96		2	3326		LIT	99
				DCW	@0@		1	3327		LIT	99
				DCW	@ @		1	3328		LIT	99
				DCW	@02000@		5	3333		LIT	99
				DCW	@L0 , , , 1 @		32	3365		LIT	100
				DCW	@000@		3	3368		LIT	100
				DCW	@001001040040040040040040@		27	3395		LIT	101
			HOLDCT	DCW	#02		2	3397		AREA	101
			BIGSW	DCW	#01		1	3398		AREA	101
			SAVEWM	DCW	#05		5	3403		AREA	101
				DCW	@A@		1	3404		LIT	101
				DCW	&INPUT5&13		3	3407	I31	ADCON	101
				DCW	&80		2	3409		LIT	102
				DCW	&INPUT4&12		3	3412	H43	ADCON	102
781	7	45		ORG	3831				3831		
782	7	46	INPUT4	DA	1X86			3831	3916		102
783	7	47			3,5			3835		FIELD	
784	7	48	LABEL		6,11			3841		FIELD	
785	7	49	MNEMON		16,20			3850		FIELD	
786	7	50	OPERND		21,72			3902		FIELD	

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD
787	7	51	ALTNO		81,84			3914		FIELD	
788	7	52	IMAGE	EQU	INPUT4-1			3830			
789	7	53	FIXINP	EQU	IMAGE&87&X3			3917	X		
790	7	54	INPUT5	EQU	FIXINP&1&X0			3918			
791	7	55	PROSIZ	EQU	CTLSAV-9			3124			
792	7	56	BLANK1	EQU	BLANK4-3			3073			
793	7	57	HOLDH	EQU	HOLDDT-52			3176			
794	7	58		END	SSOP				/	333 080	



SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS
ADCON	1025	ADDAGN	2538	ADDXT	1304	ALTER	80	ALTNO	3914	ANALOG	823	ANALWK	776
AOP	70	AREADF	1220	ASKSYM	1490	AWMSTR	3085	BIGRN	2801	BIGSW	3398	BLANK1	3073
BLANK4	3076	BLKCT	3071	BOP	73	BSP1	594	BSP2	638	BYPASS	1315	BYPDA	1657
CARDNO	314	CHKLGT	3030	CKCTL	408	CNDOUT	2848	CNVADD	3317	CNVRT	2529	CNVXT	2571
COMPWM	2420	COMXT	942	CONDNS	2123	CONDXT	2880	CONST	1099	COUNT	7	COUNTR	3303
CT	284	CTLSAV	3133	DA	1614	DADC	1258	DATASW	3312	DCSW	3321	DMOD	74
DOBOP	1536	DOIDT	966	DOJOB	954	DOWM	2308	DSA	1043	EDIT	2627	ENDRTN	1838
EXCUTE	1887	EXEND	1748	EXOUT	1926	FIRST	2444	FIXFRM	0	FIXINP	3917+X3	FREEEXT	1356
GET	2895	GETMAN	488	GETORG	772	GOOD	1133	HEADER	1693	HOLDA	3072	HOLDCT	3397
HOLDDT	3228	HOLDH	3176	IMAGE	3830	INAOP	297	INBOP	301	INDMOD	303	INITAP	%U0
INOP	293	INPUT4	3831	INPUT5	3918	INST2	723	INSTR	1383	ISSYM	1514	KBLKNG	3079
LAB	219	LABADD	61	LABEL	3841	LGTC	3045	LGTX	3065	LITOUT	1201	LITRAL	1065
LOADAD	3253	LOCN	290	LOCXT	1379	LSTCD	2017	MNEMON	3850	MVDATA	2253	MVWMAD	2362
NEWCRD	2668	NEWSW	3298	NOCARD	1822	NXTADD	1438	NXTRCD	2150	NXTREC	2939	NXTRPT	1697
OP	67	OPADDR	70+X2	OPCODE	225	OPERND	3902	OPRAND	278	OPSYM	17+X1	ORIGTP	%U4
ORIGXT	3026	OUTEX	2024	PLUS1	763	PLUS9	762	PNCHCD	2575	PNHLOC	3088	PNHXT	2728
PNTDA	1740	PRINT	200	PRNTLN	2110	PRNTXT	2119	PRODC	2482	PROLIT	1085	PROSIZ	3124
PROWRK	977	PUNCH	100	QUSYM	1570	RDRERR	631	READCT	764	READOG	2980	REDXT	627
RELAD	3237	RELFIN	1582	RELSW	3231	ROOMCT	3294	RPTOUT	1673	RSTCTR	2389	SAVEWM	3403
SEQCT	3308	SEQERR	2884	SETADD	1275	SETAOP	1784	SETDA	1645	SETFRE	1331	SETLIT	1193
SETLOC	1360	SETPNH	2400	SETUP	767	SSOP	333	STSTMT	5	SUBCTR	740	SUPADD	66
SVZONE	3322	SYSTAP	%U1	TPERR	558	TPHALT	665	TPINST	614	TSTCON	2732	TSTDC	2408
TSTEND	1850	TSTPCH	2667	TSTROM	2174	TSTSIZ	438	TYPE	75	TYPEA	3174	TYPERR	1308
TYPESW	3173	UNSIGN	1209	WMADDR	3248	WMLOC	3082	WMSTR	3115	WMSW	3172	WORD2	2066
WORD3	2077	WORD4	2098	WORD5	2109	WORKTP	%U5	WORKXT	2976	WRTCTR	766	WRTRED	703
XR1	89	XR2	94	XR3	99	XTRA	1005	XXXX	0	ZONE	189		