

PGLIN	LABEL	OPCOD	OPERAND
S		CTL	2
102	*		-1410-
103	*		MEMORY RELIABILITY TEST
104	*		-CS44-
105	*		TESTS 1411 MODEL 3,3A
1055	*		ALL QUADRANTS
106	*		MOD 3- CHARS 0-1, AREA 00-20
1099	*		
110	*	SECT 1-	ONES DISCRIMINATION
111	*	SECT 2-	ZERES DISCRIMINATION
1115	*		
112	*	SECT 3-	ALTERNATE PLANE DISCRIMINATION
113	*	SECT 4-	ALTERNATE PLANE DISCRIMINATION- REVERSED
1135	*		
114	*	SECT 5-	MEMORY ADDRESS PLACEMENT
1145	*		
116	*	SECT 6-	2D PLANE CHECKERBOARD DISCRIMINATION
1164	*	SECT 6C-	2D PLANE COMPLEMENTED CHECKERBOARD
117	*	SECT 7-	2D PLANE CHECKERBOARD DISCRIMINATION- REVERSED
1174	*	SECT 7C-	2D PLANE COMPLEMENTED CHECKERBOARD- REVERSED
1175	*		
118	*	SECT 8-	IN LINE PLANE CHECKERBOARD DISCRIMINATION
1184	*	SECT 8C-	IN LINE PLANE COMPLEMENTED CHECKERBOARD
119	*	SECT 9-	IN LINE PLANE CHECKERBOARD DISCRIMINATION- REVER
1194	*	SECT 9C-	IN LINE PLANE COMPLEMENTED CHECKERBOARD-REVERSED
1195	*		
120	*	SECT 10-	ALT PLANE CHECKERBOARD DISCRIMINATION
1204	*	SECT 10C-	ALT PLANE COMPLEMENTED CHECKERBOARD
121	*	SECT 11-	ALT PLANE CHECKERBOARD DISCRIMINATION- REVERSED
1214	*	SECT 11C-	ALT PLANE COMPLEMENTED CHECKERBOARD- REVERSED
1215	*		
124	*	SECT 12-	HALF SELECT CORE BEAT- ALL ONES
125	*	SECT 13-	HALF SELECT CORE BEAT- ALL ZERES
1255	*		
129	*		
S TO 1	*		

PGLIN	LABEL	OPCOD	OPERAND	CT	ADDRS	INSTRUCTION
TD 2	*STANDARD XTADS.					
TD 3		ORG	21000			UP-ONE
TD 4	TAD0	DC	2-2	1	21000	BYPASS TYPEOUTS
TD 5	TAD1	DC	2-2	1	21001	REPEAT SECTION
TD 6	TAD2	DC	2-2	1	21002	HALT ON ERROR
TD 7	TAD3	DC	2-2	1	21003	SINGLE PROGRAM PASS REPEAT PROGRAM
TD 79	*					
TD 8	TAD4	DC	2-2	1	21004	NO AUTO SECT SELECT AUTO SECTION SELECT
TD 9	TAD5	DC	2-2	1	21005	TABULATE ERRORS BYPASS TAB OF ERRORS
TD 10	TAD6	DC	2-2	1	21006	NO ERROR TABLE OUTPUT ERROR TABLE OUTPUT
TD 11	TAD7	DC	2-2	1	21007	TAB & ERRS ON TYPE TAB & ERRS ON PRINTER
TD 12	TAD8	DC	2-2	1	21008	EXECUTE S6-S11 SECTS BYPASS S6-S11 SECTS
TD 13	TAD9	DC	2-2	1	21009	EXECUTE S6C-S11C SECS BYPASS S6C-S11C SECTS
TD 14	TAD10	DC	2-2	1	21010	NO ERROR ADDR REPEAT REPEAT ERROR ADDR
TD 15	TAD11	DC	2-2	1	21011	NOT USED
TD 16	TAD12	DC	2-2	1	21012	EXECUTE REGEN CHK BYPASS REGEN CHK
TD 19		DCM	2M6	1	21013	
S A302	*STANDARD INTERNAL PROGRAM ALTER ROUTINE					
A303		ORG	21100			
A304	ITR	SNR	ITREXT6S	7	21100	STORE BAR FOR RETURN
A305	ITR1	RCP	ITR264	10	21107	ENTER LOCATION TO BE ALTERED
A306		BEX1	ITR1,M	7	21117	RETURN ON ANY BUT WLR & NT
A3064		BNT1	ITREXT	7	21124	EXIT-IF NO TRANSFER
A307		BAL	ITR2	7	21131	RESET I/O INTERLOCK
A308	ITR2	RCPM	0	10	21138	ENTER DATA
A309		BEX1	ITR2,M	7	21148	RETURN TO REQUEST ON ANY BUT WLR
A310		BAL	*61	7	21155	
A311	ITREXT	B	0	7	21162	RETURN TO PROGRAM
A312		H		1	21169	
TC 1	*TAPE CONTROL TC50 CONSTANTS					
TC 15	*		CONFIGURATION- 1410 OR 1410A 40K			
TC18		ORG	01239			
TC19	BLOCK2	DCM	2X+02	3	01239	TENS A BIT IF NOT 7010
TC21	BLOCK1	DC	23012	3	01242	
TC23	SEQNO	DC	212P2	3	01245	SEQ #-127 , UNITS B BIT IF REL. MODE
TC24	LSADDR	DC	2322	2	01249	LAST ADDR-39K , UNITS A BIT IF SYS CTL ONLY

PGLIN LABEL OPCODE OPERAND CT ADDR INSTRUCTION

PGLIN	LABEL	OPCODE	OPERAND	CT	ADDR	INSTRUCTION
S PI 1	*PROG IDENT AND SUFFIX					
PI 2	ORG	1250				
PI 3	IDENT	DC	@CS44@	4	01250	PROGRAM IDENT
PI 4	DC	@B@,G		1	01254	SUFFIX LEVEL
S CC 1	*STANDARD SYSTEM CONTROL CARD					
CC 2	ORG	21256				
CC 25	CDORG	1256				
CC 3	SYS1	DC	@@		01256	MACHINE TYPE 0-1410, 1-14101, X-7010
CC 4	MEMSEL	DC	@@		01256	MEMORY SIZE 3-40K
CC 5	DC	@	@		01257	SPARE
CC 6	PRTBUF	DC	@@		01258	CHANNEL 1 PRINTER, BUF SIZE 1-100,2-132
CC 7	DC	@	@		01259	2
CC 8	DC	@	@		01260	3
CC 9	DC	@	@		01261	4
CC10	DC	@	@		01262	OVERLAP
CC11	DC	@	@		01263	PRIORITY ALERT
CC12	DC	@	@		01264	SPARES
CC13	CHARDY	DC	@@		01267	CHANNEL 1 ON LINE-- IF 1
CC14	DC	@	@		01268	2
CC15	DC	@	@		01270	3
CC16	DC	@	@		01271	4
CC17	DC	@	@		01274	SPARES
CC18	DC	@	@		01275	INTERVAL TIMER
CC19	DC	@	@		01276	REAL TIME CLOCK
CC20	DC	@	@		01277	RELOCATE AND PROTECT
CC21	DC	@	@		01278	FLOATING POINT
CC22	DC	@	@		01283	SPARES
CC23	DC	@	@		01288	SPARES
CC25	DCW	@Ma			01289	
1996						
1997						
1998						
1999						
200	CHDET	SBR	SSDETxC5			
201		MLNS	ERRADD-4,CHARNO			
2049						

ORG 21300

CH-XSG-YSG-XMO-YMO-SS-Z DETERMINANTS FOR IE I-O

7 21300 G21457B

12 21307 D33040330721

PGLIN	LABEL	OPCOD	OPERAND	INSTRUCTION	CT	ADDRS	
205		MLNS	ERRADD-1,XSG	SET XSG TO ERRADD T	12	21319	
206		MLNS	ERRADD-3,YSG	SET YSG TO ERRADD TH	12	21331	
2099	*						
210		MLNS	ERRADD,XWO	SET XWO TO ERRADD U	12	21343	
211		MLNS	ERRADD-2,YWO	SET YWO TO ERRADD H	12	21355	
2799	*						
280	ZDET	MLNS	ERRADD-3,T-ORD	SET THOUSANDS ORDER	12	21367	
281		C	NUFOUR,THORD	CMP TTH TO 4	11	21379	
282		BF	SETZB	TEST FOR HIGH	7	21390	
2829	*						
283		MLCS	DROP,ZDRIVE	SET Z-D	12	21397	
2832		MLCS	DROP,SENSEG	SET SS-D	12	21409	
284		B	SSDETX		7	21421	
285	SETZB	MLCS	BSEG,ZDRIVE	SET Z-B	12	21428	
2852		MLCS	BSEG,SENSEG	SET SS-B	12	21440	
286	SSDETX	B	00000	EXIT BRANCH RETURN	7	21452	
2929	*	H			1	21459	
293		ORG	21980				
294	LOKADD	MLCWS	CORREC,00000	REPEAT ERRADD BY SGL CHAR MOVE	12	21980	
295		B	LOKADD		7	21992	
296		H			1	21999	
2969	*						
297	*						
298	*INITIAL INSTRUCTION OF TEST PROGRAM						
2982		ORG	2000				
2983		MRCWG	1256,21256	MOVE SYSTEM CONTROL DATA	12	02000	
2984		B	SWINT		7	02012	
2986		H			1	02019	
2989	*						
299		ORG	22000				
300	SWINT	NOPWM		SWITCH--INITIAL	1	22000	
301		B	SWINT2		7	22001	
3019	*						
302		SW	SWINT&1		6	22008	
303		CS	2099	CLEAR 20900-20999	6	22014	

S

PGLIN	LABEL	OPCOD	OPERAND		CT	ADDRS	INSTRUCTION
3031		CS		8 8	1	22020	/
3032		CS		7 7	1	22021	/
3033		CS		6 6	1	22022	/
3034		CS		5 5	1	22023	/
3035		CS		4 4	1	22024	/
3036		CS			1	22025	/
304		SW	20334		6	22026	,20334
3042		MLCWB	0999,20999	MOVE LOOER TO 20334-20999	12	22032	00099920999P
3049							
305		WCP	IDENT		10	22044	M%T001250M _G
306		BA1	*-16		7	22054	R22044M
3529							
353	MEMIND	WCP	TESTS	TESTS 00001-19999 AREA OF	10	22061	M%T033124M _G
3534		BA1	*-16		7	22071	R22061M
354		WCP	MEMSIZ	40K MEMORY	10	22078	M%T033150M _G
355		BA1	*-16		7	22088	R22078M
3551							
3553		BW	SETQCK,20997	TEST FOR QUICK RUN	12	22095	V22502209971
3555		B	TADSTA		7	22107	J22185
3559							
356	SWINT2	NOPMM		FIRST RESET SWITCH	1	22114	N
3562		B	TADSTA		7	22115	J22185
3569							
357		WCP	PARITY	IF PARITY ERRORS EXIST-	10	22122	M%T033162M _G
3572		BA1	*-16		7	22132	R22122M
360		WCP	RESTAT	SET CHECK CONTROL SWITCH	10	22139	M%T033106M _G
362		BA1	*-16		7	22149	R22139M
363		WCP	INFIB	SET PRINT CONTROL SWITCH	10	22156	M%T033222M _G
365		BA1	*-16		7	22166	R22156M
3655		SW	SWINT261,SWEXIT61		11	22173	,2211525174
366		H			1	22184	.
3699							
375	TADSTA	WCP	STATUS	TAD STATUS-	10	22185	M%T033258M _G
376		BA1	*-16		7	22195	R22185M
377		WCP	TACO	-----	10	22202	M%T021000M _G
378		BA1	*-16		7	22212	R22202M

PGLIN	LABEL	OPCOD	OPERAND	INSTRUCTION	CT	ADDRS
379		MLNA	CON1-2,PASSCT&2	RESET PASS COUNTER	12	22219
380		CH	QUIEX&1,DIRS5&1	CLEAR QUICK RUN SW-S	11	22231
3999						
408		MLCA	TABCLA,ODD01	01 ODD FIELD	12	22242
409		MLCA	TABCLA,EVEN01	01 EVEN FIELD	12	22254
4099						
410		CH	CLATSW&1		6	22266
411		MLNA	6GATE0,CLATAB&10	SET CLEAR B ADDR TO XSG-0	12	22272
412		MLNA	S10,CTR2	SET CTR TO 10	12	22284
4129						
413	CLATAR	MLCA	TABGAG,GATE0	RESET X-Y SFL GATES	12	22296
414		S	S1,CTR2	REDUCE CTR BY 1	11	22308
415		BZ	CLATSW	EXIT- IF 00	7	22319
416		A	CON84,CLATAB&10	INCR B ADDR BY 84	11	22326
417		B	CLATAB		7	22337
4179						
418	CLATSM	NOPWM		X-Y TAB CLEAR EXIT SW	1	22344
419		B	*626		7	22345
4192		SW	CLATSW&1		6	22352
420		MLNA	6WIND0,CLATAB&10	SET CLEAR B ADDR TO XMG-0	12	22358
421		B	CLATAB-12		7	22370
4219						
422		MLCA	TABCLA-54,LINZ&D	RESET Z&D-SS TAB	12	22377
501						
502				RESET ALL SWITCHES OFF		
520	SHRES	CH	SW613A&1,SW1213&1		11	22389
539						
541		CH	SW13RE&1		6	22400
542		CH	SW12RE&1,SW11RE&1		11	22406
543		CH	SW10RE&1,SW9REP&1		11	22417
544		CH	SW8REP&1,SW7REP&1		11	22428
545		CH	SW6REP&1,SW5REP&1		11	22439
546		CH	SW4REP&1,SW3REP&1		11	22450
547		CH	SW2REP&1		6	22461
549						
550		CH	SC11RE&1,SC10RE&1		11	22467

PGLIN	LABEL	OPCOD	OPERAND	CT	ADDRS	INSTRUCTION
551		CH	SC9RE&1,SC8RE&1	11	22478	D3160631614
552		CH	SC7RE&1	6	22489	D31622
565		B	PRE40	7	22495	J22530
600	SETOCK	SW	QUIEX&1,DIRS5&1	11	22502	,2486022598
602		WCP	QCKRUN	10	22513	M&T033345M
603		BA1	*-16	7	22523	R22513M
9998						
9999			MEMORY OBJECTIVE TEST AREA CLEARANCE			
1005	PRE40	MLNA	C28,MESCTR	12	22530	D3631933615/
1006		MLNA	S2,MELCTR	12	22542	D3628333617/
1036	PS40	MLNA	FA20M,CLROTA&5	12	22554	D3378722577/
10999						
1100		SW	00001	6	22566	,00001
1101	CLROTA	CS	19999	6	22572	/19999
1102		SBR	CLROTA&5	7	22578	G22577B
1103		8W	CLROTA,00001	12	22585	V22572000011
11049						
1105	DIRS5	NOPWM		1	22597	N
1106		B	S5SET	7	22598	J26165
11099						
1149			TEST FOR AUTOMATIC SECTION SELECTION			
1150		BCE	SECSEL,TAD4,1	12	22605	B22624210041
1151		B	S1SET	7	22617	J22875
1152						
1153	SECSEL	WCP	AUTSEC	10	22624	M&T033307M
1154		BA1	*-16	7	22634	R22624M
1155		WCP	ENTER	10	22641	M&T033321M
1156		BA1	*-16	7	22651	R22641M
1157						
1158		RCP	AUTO-1	10	22658	M&T033832R
1159		BEX1	*-16,M	7	22668	R22658M
1160		BA1	*61	7	22675	R22682M
11602			TEST FOR S-10 OR GREATER			
11604		8BE	S10GTR,AUTO-1,1	12	22682	W22825338321
11606			TEST FOR S-1 THROUGH S-9 SELECTED			
1161		8BE	81T9,AUTO,8	12	22694	W2273733833B

PGLIN	LABEL	OPCODE	OPERAND	CT	ADDRS	INSTRUCTION
1162		BBE	BIT6,AUTO,4	12	22706	W22756338334
1163		BBE	BIT3,AUTO,2	12	22718	W22806338332
1164		B	S1SET	7	22730	J22875
1165			- GO TO S-1			
1166	BIT9	BBE	S9SET,AUTO,1	12	22737	W27800338331
1167		B	S8SET	7	22749	J27716
1168	BIT6	BBE	BIT7,AUTO,2	12	22756	W22787338332
1169		BBE	S5SET,AUTO,1	12	22768	W26165338331
1170		B	S4SET	7	22780	J23027
1171	BIT7	BBE	S7SET,AUTO,1	12	22787	W27632338331
1172		B	S6SET	7	22799	J27554
1173	BIT3	BBE	S3SET,AUTO,1	12	22806	W22978338331
1174		B	S2SET	7	22818	J22929
1175			TEST FOR 1 BIT - GO TO S-9			
1176	S10GTR	BBE	S10SET,AUTO,8	12	22825	W27884338338
1177		BBE	IAC,AUTO,2	12	22837	W22856338332
1178		B	S11SET	7	22849	J27968
1179			TEST FOR 1 BIT - GO TO S-6			
1184			TEST FOR 1 BIT - GC TO S-3			
1185	IAC	BBE	S13SET,AUTO,1	12	22856	W28143338331
1186		B	S12SET	7	22868	J28052
1202			TEST FOR 1 BIT - GC TO S-12			
1203			TEST FOR S-10 THROUGH S-14 SELECTED			
1204	S1SET	MLCWA	CONSL,PLUS&24	12	22875	D3606736833X
1205		MLCWA	CONSL,MINUS&24	12	22887	D3606736859X
1206		CW	PLUS,MINUS	11	22899	D3680936835
12064		MLNA	S1,SECIND&3	12	22910	D3628133116/
1207		B	CLBESE	7	22922	J28336
1218			TEST FOR 1 BIT - GC TO S-13			
1219			TEST FOR 1 BIT - GC TO S-14			
1220	S2SET	MLCWA	CONS2,PLUS&24	12	22929	D3609236833X
1221		MLCWA	CONS2,MINUS&24	12	22941	D3609236859X
1223		MLNA	S2,SECIND&3	12	22953	D3628333116/
1225		SW	SW2REP&1	6	22965	D24764
1226		B	WMALL	7	22971	J28245
1238			TEST FOR 1 BIT - GC TO S-11			
1239			TEST FOR 2 BIT			

SECTION 1 SETUP -CRAB421
 SECTION 2 SETUP W-----
 SECTION 3 SETUP WC-A-4-1

PGLIN	LABEL	OPCODE	OPERAND	PLACE	CHARS	CT	ADDRS	INSTRUCTION
1240	S3SET	MLCWA	CONS3,PLUS624	PLACE 25	V CHARS	12	22978	D3611736833X
1241		MLCWA	CONS3,MINUS624	25	V	12	22990	D3611736859X
1243		MLNA	S3,SECINDE63	PLACE 03	IN S-XX T-O	12	23002	D3628533116/
1247		SW	SW3REP&1			6	23014	,24756
1248		B	WMALL			7	23020	J28245
1258								
1259				SECTION 4 SETUP	--B-8-2-			
1260	S4SET	MLCWA	CONS4,PLUS624	PLACE 25	EX PT CHAR	12	23027	D3614236833X
1261		MLCWA	CONS4,MINUS624	25	EX PT	12	23039	D3614236859X
1262		CW	PLUS,MINUS			11	23051	D3680936835
1263		MLNA	S4,SECINDE63	PLACE 04	IN S-XX T-O	12	23062	D3628733116/
1267		SW	SW4REP&1			6	23074	,24748
1268		B	CLBESE			7	23080	J28336
12999			COMMON WORD MARK BIT INTERROGATION					
1300	COMWD	SBR	COMDX65			7	23087	G231428
1301		MLNA	COMADD,*611			12	23094	D3679023116/
1302		BW	*68,0	TEST FOR	WM DOWN	12	23106	V23125000001
1303		B	*613			7	23118	J23137
1304		MLCS	PICK,BITTER-7	P-----		12	23125	D33590330593
1305	COMWCX	B	00000			7	23137	J00000
13099								
1310	COMWP	SBR	COMWPX65			7	23144	G231928
1311		MLNA	COMADD,*611			12	23151	D3679023173/
1312		BW	*613,0	TEST FO-	WM UP	12	23163	V23187000001
1313		MLCS	DROP,BITTER-7	D-----		12	23175	D33591330593
1314	COMWPX	B	00000			7	23187	J00000
13498								
13499			COMMON 8 BIT INTERROGATION					
1350	COMBC	SBR	COMBCX65			7	23194	G232498
1351		MLNA	COMADD,*611			12	23201	D3679023223/
1352		B8E	*68,0,-	TEST FOR	8 BIT DOWN	12	23213	W2323200000-
1353		B	*613			7	23225	J23244
1354		MLCS	PICK,BITTER-5	---P-----		12	23232	D33590330613
1355	COMBCX	B	00000			7	23244	J00000
13599								
1360	COMBP	SBR	COMBPX65			7	23251	G232998

PGLIN	LABEL	OPCOD	OPERAND	CT	ADDRS	INSTRUCTION
1361		MLNA	COMADD,*€11	12	23258	D3679023280/
1362		BBE	*€13,0,-	12	23270	W2329400000-
1363		MLCS	DROP,BITTER-5	12	23282	D33591330613
1364	COMBPX	B	00000	7	23294	J00000
13698	*					
13699	*		COMMON A BIT INTERROGATION			
1370	COMAD	SBR	COMADX€5	7	23301	G233568
1371		MLNA	COMADD,*€11	12	23308	D3679023330/
1372		BBE	*€8,0,B	12	23320	W2333900000B
1373		B	*€13	7	23332	J23351
1374		MLCS	PICK,BITTER-4	12	23339	D33590330623
1375	COMACX	B	00000	7	23351	J00000
13799	*					
1380	COMAP	SBR	COMAPX€5	7	23358	G234068
1381		MLNA	COMADD,*€11	12	23365	D3679023307/
1382		BBE	*€13,0,B	12	23377	W2340100000U
1383		MLCS	DROP,BITTER-4	12	23389	D33591330623
1384	COMAPX	B	00000	7	23401	J00000
13998	*					
13999	*		COMMON 8 BIT INTERROGATION			
1400	COM80	SBR	COM8DX€5	7	23408	G234638
1401		MLNA	COMADD,*€11	12	23415	D3679023437/
1402		BBE	*€8,0,8	12	23427	W23446000008
1403		B	*€13	7	23439	J23458
1404		MLCS	PICK,BITTER-3	12	23446	D33590330633
1405	COM8CX	B	00000	7	23458	J00000
14099	*					
1410	COM8P	SBR	COM8PX€5	7	23465	G235138
1411		MLNA	COMADD,*€11	12	23472	D3679023494/
1412		BBE	*€13,0,8	12	23484	W23508000008
1413		MLCS	DROP,BITTER-3	12	23496	D33591330633
1414	COM8PX	B	00000	7	23508	J00000
14198	*					
14199	*		COMMON 4 BIT INTERROGATION			
1420	COM4D	SBR	COM4DX€5	7	23515	G235708
1421		MLNA	COMADD,*€11	12	23522	D3679023544/

TEST FOR 8 BIT UP
---D-----

TEST FOR A BIT DOWN
-----P-----

TEST FOR A BIT UP
---D-----

TEST FOR 8 BIT DOWN
-----P-----

TEST FOR 8 BIT UP
-----D-----

PGLIN	LABEL	OPCOD	OPERAND	CT	ADDRS	INSTRUCTION
1422		BBE	*E8,0,4	12	23534	W23553000004
1423		B	*E13	7	23546	J23565
1424		MLCS	PICK,BITTER-2	12	23553	D33590330643
1425	COM4DX	B	00000	7	23565	J00000
14299	*					
1430	COM4P	SBR	COM4PX&5	7	23572	G23620B
1431		MLNA	COMADD,*E11	12	23579	D3679023601/
1432		BBE	*E13,0,4	12	23591	W23615000004
1433		MLCS	DROP,BITTER-2	12	23603	D33591330643
1434	COM4PX	B	00000	7	23615	J00000
14398	*					
14399	*					
1440	COM2C	SBR	COMMON 2 BIT INTERROGATION	7	23622	G23677B
1441		MLNA	COM2DX&5	12	23629	D3679023651/
1442		BBE	COMADD,*E11	12	23641	W23660000002
1443		B	*E8,0,2	7	23653	J23672
1444		MLCS	*E13	12	23660	D33590330653
1445	COM2CX	B	PICK,BITTER-1	7	23672	J00000
14499	*					
1450	COM2P	SBR	COMMON 1 BIT INTERROGATION	7	23679	G23727B
1451		MLNA	COM2PX&5	12	23686	D3679023708/
1452		BBE	COMADD,*E11	12	23698	W23720000002
1453		MLCS	*E13,0,2	12	23710	D33591330653
1454	COM2PX	B	DROP,BITTER-1	7	23722	J00000
14598	*					
14599	*					
1460	COM10	SBR	COMMON 1 BIT INTERROGATION	7	23729	G23784B
1461		MLNA	COM1DX&5	12	23736	D3679023758/
1462		BBE	COMADD,*E11	12	23748	W23767000001
1463		B	*E8,0,1	7	23760	J23779
1464		MLCS	*E13	12	23767	D33590330663
1465	COM1DX	B	PICK,BITTER	7	23779	J00000
14699	*					
1470	COM1P	SBR	COMMON 1 BIT INTERROGATION	7	23786	G23834B
1471		MLNA	COM1PX&5	12	23793	D3679023815/
1472		BBE	COMADD,*E11	12	23805	W23829000001
			*E13,0,1			

TEST FOR 4 BIT DOWN

-----P---

TEST FOR 4 BIT UP

-----D---

TEST FOR 2 BIT DOWN

-----P-

TEST FOR 2 BIT UP

-----D-

TEST FOR 1 BIT DOWN

-----P

TEST FOR 1 BIT UP

PGLIN OPCODE OPERAND LABEL OPCODE OPERAND CT ADDR INSTRUCTION

1473 MLCS 8 DROP,BITTER -----D 12 23817 D33591330663
 1474 COM1PX 8 00000 7 23829 J00000

14798 *
 14799 *
 1600 *
 1601 *
 1602 *
 1603 *

SECTIONS 1,8-9,12-13 CHAR GM BIT BREAKDOWN
 MLCA S1SB-6,SBCHAR PLACE ---- IN T-0 12 23836 D3352333050T
 MLCWS CONS1,CORREC SET GM IN CORRECT CHAR STORAGE 12 23848 D36067336217
 CHAR ---GM SHOULD BE -CBAB421

16049 *
 1605 COMWD 8 TEST FOR WM DOWN 7 23860 J23087
 1607 COMBP 8 B UP 7 23867 J23251
 1608 COMAP 8 A UP 7 23874 J23358
 1609 COM8P 8 8 UP 7 23881 J23465
 1610 COM4P 8 4 UP 7 23888 J23572
 1611 COM2P 8 2 UP 7 23895 J23679
 1612 COM1P 8 1 UP 7 23902 J23786
 1613 PLACAD 8 7 23909 J24156

1639 *
 1650 *
 1651 S288
 1653 *
 16549 *
 1655 *
 1657 *
 1658 *
 1659 *
 1660 *
 1661 *
 1662 *
 1663 *

SECTIONS 2,8-9,12-13 CHAR BLANK BIT BREAKDOWN
 MLCA S2SB-6,SBCHAR PLACE WMBL IN T-0 12 23916 D3353333050T
 MLCWS CONS2-24,CORREC SET WMBL IN CORRECT CHAR STORAGE 12 23928 D36068336217
 CHAR WM-BL SHOULD BE W-----
 TEST FOR WM UP

1655 COMWP 8 B DOWN 7 23940 J23144
 1657 COMBD 8 A DOWN 7 23947 J23194
 1658 COMAD 8 8 DOWN 7 23954 J23301
 1659 COM8D 8 4 DOWN 7 23961 J23408
 1660 COM4D 8 2 DOWN 7 23968 J23515
 1661 COM2D 8 1 DOWN 7 23975 J23622
 1662 COM1D 8 PLACAD 7 23982 J23729
 1663 PLACAD 8 7 23989 J24156

1700 *
 1701 S388
 1703 *
 17049 *
 1705 *
 1707 *

SECTIONS 3,10-11 CHAR V BIT BREAKDOWN
 MLCA S3SB-6,SBCHAR PLACE WM-V IN T-0 12 23996 D3354333050T
 MLCWS CONS3-24,CORREC SET WM-V IN CORRECT CHAR STORAGE 12 24008 D36093336217
 CHAR WM-V SHOULD BE WC-A-4-1
 TEST FOR WM UP

17049 COMWP 8 7 24020 J23144
 1705 COMBD 8 7 24027 J23194

PGLIN	LABEL	OPCODE	OPERAND	CT	ADDRS	INSTRUCTION
1708		B	COMAP	7	24034	J23358
1709		B	COM8D	7	24041	J23408
1710		B	COM4P	7	24048	J23572
1711		B	COM2D	7	24055	J23622
1712		B	COM1P	7	24062	J23786
1713		B	PLACAD	7	24069	J24156
1748						
1750			SECTIONS 4,10-11			
1751	S488	MLCA	S4SB-6,S8CHAR	12	24076	D3355333050T
1753		MLCWS	CONS4,CORREC	12	24088	D361423336217
17549			CHAR ---EP SHOULD BE --B-8-2-			
1755		B	COMWD	7	24100	J23087
1757		B	COM8P	7	24107	J23251
1758		B	COMAD	7	24114	J23301
1759		B	COM8P	7	24121	J23465
1760		B	COM4D	7	24128	J23515
1761		B	COM2P	7	24135	J23679
1762		B	COM1D	7	24142	J23729
1763		B	PLACAD	7	24149	J24156
1799			TEST FOR WM DOWN			
1835	PLACAD	MLNA	COMADD,ERRADD	12	24156	D3679033044/
18354		B	TABSEA	7	24168	J29925
1836		B	CHDET	7	24175	J21300
18399			PLACE ACTUAL ERROR ADDR IN T-0			
1840		MLNA	COMADD,REPCOR&10	12	24182	D3679024204/
1841	REPCOR	MLCWS	CORREC,00000	12	24194	D33621000007
1847			GO TO TABLE LOCKUP SEARCH			
1848			GO TO CHAR DETERM			
1848			SET REPLACE ADDR			
1850	ERRIND	BCE	LOKTAD-7,TAD0,1	12	24206	B24254210001
18504		BCE	PR1YP,TAD7,1	12	24218	B24299210071
1851		WCP	ERRADD-4	10	24230	M&T033040W
1852		BCB1	*-16	7	24240	R242302
1853		BA1	*&1	7	24247	R24254M
1854	LOKTAD	BNQ	ITR	7	24254	J21100Q
18549		BCE	LOCKUP,TAD10,1	12	24261	B24524210101
			REPEAT ERRADD IF TAD10 UP			

PGLIN	LABEL	OPCOD	OPERAND	CT	ADDRS	INSTRUCTION
1855	BYPTAB	BCE	VARRET,TAD5,1	12	24273	B24292210051
1856		B	TABULA	7	24285	J25243
1858	VARRET	B	00000	7	24292	J00000
18699	*					
1870	PRTPP	CS	TEMPOR&131	6	24299	/33031
1871		CS		1	24305	/
18719	*					
1872		MLCS	CHAN1,PRIET&1	12	24306	D33585244943
1873		MLCWS	CHAN1B,PRIET&10	12	24318	D33586245037
1874		MLCWS	CHAN1B,PRIET&17	12	24330	D33586245107
1875		BCE	BUFC32,PRTBUF,2	12	24342	B24469212592
1876		BCE	BUFC,PRTBUF,1	12	24354	B24450212591
18769	*					
1877		MLCS	CHAN2,PRIET&1	12	24366	D33587244943
1878		MLCWS	CHAN2B,PRIET&10	12	24378	D33588245037
1879		MLCWS	CHAN2B,PRIET&17	12	24390	D33588245107
1880		BCE	BUFC32,PRTBUF,2	12	24402	B24469212592
1881		BCE	BUFC,PRTBUF,1	12	24414	B24450212591
18819	*					
1882		WCP	NOPBFS	10	24426	M&T033430W
1883		BA1	*-16	7	24436	R24426M
1884		B	ERRIND&24	7	24443	J24230
18849	*					
1885	BUFC	MLCWS	GM,TEMPOR&100	12	24450	D33112330007
1886		B	*&13	7	24462	J24481
1887	BUFC32	MLCWS	GM,TEMPOR&132	12	24469	D33112330327
1888		MRCG	ERRADD-4,TEMPOR	12	24481	D3304032900\$
18899	*					
1890	PRIET	W	TEMPOR	10	24493	M&Z032900W
1891		BEX1	*-16,3	7	24503	R244933
1892		BA1	*&1	7	24510	R24517M
1893		B	LOKTAD-7	7	24517	J24254
19499	*					
1950	LOCKUP	SW	SETUP FOR ERROR ADDR REPEAT T-0	6	24524	,21986
1951		MLNWB	ERRADD,LOKADD&10	12	24530	D3304421990N
1952		MLNB	ERRADD,REPA0	12	24542	D3304433504J

TEST FOR 132 CHAR BUFFER 100

NO CHAN PTR A/O BUF SIZ SPEC

TYPE IET INSTEAD

PLACE IET IN WR FLD

PRINT 0000 ---X ---X -----
TRY AGAIN IF BUSY OR NOT R0Y

PGLIN	LABEL	OPCODE	OPERAND	CT	ADDRS	INSTRUCTION
19529	*					
1953		MLNS	XWC,REPXW	12	24554	D33097335111
1954		MLNS	YWO,REPYW	12	24566	D33111335181
20299	*					
2030		WCP	REPERR	10	24578	MXT033478M
2031		BA1	*-16	7	24588	R24578M
2038		B	LOKADD	7	24595	J21980
20398	*					
2050	SCMPLT	NOP		1	24602	N
2050	BYPTYP	BNQ	ITR	7	24603	J21100Q
2051		BCE	*613,TAD6,1	12	24610	B24634210061
2052		BCE	TESTAB,TAD0,1	12	24622	B24651210001
2053		WCP	SECIND	10	24634	MXT033113M
20539	*	BA1	*-16	7	24644	R24634M
2054	TESTAB	MRCWG	SECIND&2,LEASEC	12	24651	D3311533860L ^D
2065	*	BCE	TABPRT,TAD6,1	12	24663	B26546210061
2072	SW13RE	NOPWM		1	24675	N
2073		B	REPS13	7	24676	J25121
2074	SW12RE	NOPWM		1	24683	N
2075		B	REPS12	7	24684	J25102
2076	SW11RE	NOPWM		1	24691	N
2077		B	REPS11	7	24692	J25064
2078	SW10RE	NOPWM		1	24699	N
2079		B	REPS10	7	24700	J25026
2080	SW9REP	NOPWM		1	24707	N
2081		B	REPS9	7	24708	J24988
2082	SW8REP	NOPWM		1	24715	N
2083		B	REPS8	7	24716	J24950
2084	SW7REP	NOPWM		1	24723	N
2085		B	REPS7	7	24724	J24912
2086	SW6REP	NOPWM		1	24731	N
2087		B	REPS6	7	24732	J24874
2088	SW5REP	NOPWM		1	24739	N
2089		B	REPS5	7	24740	J24847

S

STRATEGIC INQUIRY-----
 TYPE S-XX IF TAD6 UP
 BYPASS S-XX T-0 IF TAD0 UP
 TYPE SECTION COMPLETED AS S-XX

PRINT TAB IF TAD6UP

PGLIN	LABEL	OPCOD	OPERAND	CT	ADDRS	INSTRUCTION
2090	SW4REP	NOPWM	S-4 SWITCH	1	24747	N
2091		B	REPS4	7	24748	J24828
2092	SW3REP	NOPWM	S-3 SWITCH	1	24755	N
2093		B	REPS3	7	24756	J24809
2094	SW2REP	NOPWM	S-2 SWITCH	1	24763	N
2095		B	REPS2	7	24764	J24790
2098	*					
2099	*					
2100		BCE	S1SET,TAD1,1	12	24771	B22875210011
2101		B	S2SET	7	24783	J22929
2102	REPS2	BCE	S2SET,TAD1,1	12	24790	B22929210011
2103		B	S3SET	7	24802	J22978
2104	REPS3	BCE	S3SET,TAD1,1	12	24809	B22978210011
2105		B	S4SET	7	24821	J23027
2106	REPS4	BCE	S4SET,TAD1,1	12	24828	B23027210011
2107		B	S5SET	7	24840	J26165
2108	REPS5	BCE	S5SET,TAD1,1	12	24847	B26165210011
21084	QUIEX	NOPWM	QUICK EXIT POST S-05 RUN SW	1	24859	N
21085		B	PASSAD	7	24860	J25133
2109		B	S6SET	7	24867	J27554
2110	REPS6	BCE	REP6R,TAD9,1	12	24874	B24893210091
21104		B	CPTSET	7	24886	J30295
2111	REP6R	BCE	S6SET,TAD1,1	12	24893	B27554210011
21114		B	S7SET	7	24905	J27632
2112	REPS7	BCE	REP7R,TAD9,1	12	24912	B24931210091
21124		B	CPTSET	7	24924	J30295
2113	REP7R	BCE	S7SET,TAD1,1	12	24931	B27632210011
21134		B	S8SET	7	24943	J27716
2114	REPS8	BCE	REP8R,TAD9,1	12	24950	B24969210091
21144		B	CPTSET	7	24962	J30295
2115	REP8R	BCE	S8SET,TAD1,1	12	24969	B27716210011
21154		B	S9SET	7	24981	J27800
2116	REPS9	BCE	REP9R,TAD9,1	12	24988	B25007210091
21164		B	CPTSET	7	25000	J30295
2117	REP9R	BCE	S9SET,TAD1,1	12	25007	B27800210011
21174		B	S10SET	7	25019	J27884

PGLIN	LABEL	OPCODE	OPERAND	CT	ADDRS	INSTRUCTION
2118	REPS10	BCE	REPIOR,TAD9,1	12	25026	B25045210091
21184		B	CPTSET	7	25038	J30295
2119	REPIOR	BCE	SICSET,TAD1,1	12	25045	B27884210011
21194		B	S11SET	7	25057	J27968
2120	REPS11	BCE	REPI1R,TAD9,1	12	25064	B25083210091
21204		B	CPTSET	7	25076	J30295
2121	REPI1R	BCE	S11SET,TAD1,1	12	25083	B27968210011
21214		B	S12SET	7	25095	J28052
2122	REPS12	BCE	S12SET,TAD1,1	12	25102	B28052210011
2123		B	S13SET	7	25114	J28143
2124	REPS13	BCE	S13SET,TAD1,1	12	25121	B28143210011
2131						
2132	PASSAD	A	CONL,PASSCT&2	11	25133	A3620933378
2134		HCP	PASS	10	25144	M8T033371W
2135		BA1	*-16	7	25154	R25144M
2139						
2140	TESREP	BCE	SMRES,TAD3,1	12	25161	B22389210031
21401	SMEXIT	NOPWM		1	25173	N
21402		B	*E8	7	25174	J25188
21403		B	REPLD	7	25181	J25206
21404		HCP	EXPRESS	10	25188	M8T033270W
21405		BA1	*-16	7	25198	R25188M
21406		H		1	25205	.
21419						
2142	REPLD	CS	00999	6	25206	/00999
21421		CS	800-899	1	25212	/
21422		CS	700-799	1	25213	/
21423		CS	600-699	1	25214	/
21424		CS	500-599	1	25215	/
21425		CS	400-499	1	25216	/
21426		CS		1	25217	/
2143		SW	0334	6	25218	,00334
2144		MLCMB	20999,0999	12	25224	U2099900999P
2145		B	00400	7	25236	J00400
21498						
21499						

MOVE LOADER BACK TO 334-999
GO TO LOAD NEXT PROG

PGLIN	LABEL	OPCOD	OPERAND	CT	ADDRS	INSTRUCTION
2150	•		ERROR TABULATION AREA			
2151	TABULA	SBR	TABRET65	7	25243	G261630
21549	•					
2155		MLNA	EE01,TABACC5	12	25250	D3731525482/
2156		BCE	COLDET,ERRADD-4,0	12	25262	B25285330400
2157		A	CN0078,TABACC5	11	25274	A3626425482
21799	•					
2180	COLDET	CW	PIKSW1E1,PIKSW2E1	11	25285	D2600426133
2181		MLNA	S8,BITCTR	12	25296	D3629533625/
2182		MLNA	EBITTER,PSCANG10	12	25308	D3732025341/
2183		A	CON9,TABACC5	11	25320	A3623925482
21849	•					
2185	PSCAN	BBE	PORTAL,BITTER,4	12	25331	W25390330664
2186		S	CON1,PSCANE10	11	25343	S3620925341
2187		S	S1,BITCTR	11	25354	S3628133625
2188		BZ	PORTAL	7	25365	J25390V
2189		A	CON9,TABACC5	11	25372	A3623925482
2190		B	PSCAN	7	25383	J25331
21909	•					
2191	PORTAL	SW	PODDET66	6	25390	,25414
21912		MLNWB	PSCANG10,PCDDET610	12	25396	D2534125418N
21914	PODDET	BCE	SETPIK,00000,P	12	25408	B2542700000P
21915		B	DROPIK	7	25420	J25445
21919	•					
2192	SETPIK	SW	PIKSW1E1,PIKSW2E1	11	25427	,2600426133
2193		B	*E12	7	25438	J25456
2194	CROPIK	A	CON4,TABACC5	11	25445	A3621925482
2195		B	EXSTOR	7	25456	J25470
2196		B	XMSDET	7	25463	J25536
22798	•					
22799	•		TABULATION ACCUMULATOR AREA			
2280	EXSTOR	SBR	ACEXIT65	7	25470	G255348
2281	TABAC	MLNB	00000,ACCUM	12	25477	D0000036798J
2282		A	CON1,ACCUM	11	25489	A3620936798
22829	•					
2283		SW	ACTAB66	6	25500	,25524

1410 MEMORY RELIABILITY

CS44

PGLIN	LABEL	OPCOD	OPERAND	SET ACTAB B ADDR	MOVE-SUP 0 ACCUM TOTAL TO TABFLD	VARIABLE EXIT BRANCH	CT	ADDRS	INSTRUCTION
2284	ACTAB	MLNWB	TABACC5,ACTAB&10				12	25506	D2548225528N
2285	ACEXIT	MCS	ACCUM,00000				11	25518	Z3679800000
2286		B	00000				7	25529	J00000
22998									
23119	XMSDET	CH	XYTEX&1				6	25536	D26030
2312		MLNA	EXSG0,TABACC5	SET XSG-0 STAD			12	25542	D3732525482/
2313		MLNS	XSG,XRAG	SET XRAG TO XSG			12	25554	D33090363301
2314		MLNS	YSG,YRAG	SET YRAG TO YSG			12	25566	D33104363311
2315									
23159	XRADET	BCE	YRADET,XRAG,0	EXIT- IF 0			12	25578	B25785363300
2316		A	CON84,TABACC5	ADD 84 TO TABAC			11	25590	A3626925482
23162		BCE	YRADET,XRAG,1	EXIT- IF 1			12	25601	B25785363301
2317		A	CON84,TABACC5				11	25613	A3626925482
23172		BCE	YRADET,XRAG,2	EXIT- IF 2			12	25624	B25785363302
2318		A	CON84,TABACC5				11	25636	A3626925482
23182		BCE	YRADET,XRAG,3	EXIT- IF 3			12	25647	B25785363303
2319		A	CON84,TABACC5				11	25659	A3626925482
23192		BCE	YRADET,XRAG,4	EXIT- IF 4			12	25670	B25785363304
2320		A	CON84,TABACC5				11	25682	A3626925482
23202		BCE	YRADET,XRAG,5	EXIT- IF 5			12	25693	B25785363305
2321		A	CON84,TABACC5				11	25705	A3626925482
23212		BCE	YRADET,XRAG,6	EXIT- IF 6			12	25716	B25785363306
2322		A	CON84,TABACC5				11	25728	A3626925482
23222		BCE	YRADET,XRAG,7	EXIT- IF 7			12	25739	B25785363307
2323		A	CON84,TABACC5				11	25751	A3626925482
23232		BCE	YRADET,XRAG,8	EXIT- IF 8			12	25762	B25785363308
2324		A	CON84,TABACC5	ADD 84- MUST BE 9			11	25774	A3626925482
23242									
23249									
2325	YRADET	A	CON6,TABACC5	ADD 6 TO SET TO YOP			11	25785	A3622925482
2326		BCE	PIKSW1,YRAG,0	EXIT- IF 0			12	25796	B26003363310
23262		A	CON8,TABACC5	ADD 8 TO TABAC			11	25808	A3623425482
2327		BCE	PIKSW1,YRAG,1	EXIT- IF 1			12	25819	B26003363311
23272		A	CON8,TABACC5				11	25831	A3623425482
2328		BCE	PIKSW1,YRAG,2	EXIT- IF 2			12	25842	B26003363312
23282		A	CON8,TABACC5				11	25854	A3623425482

PGLIN	LABEL	OPCODE	OPERAND	CT	ADDRS	INSTRUCTION
2329		BCE	PIKSW1,YRAG,3	12	25865	B26003363313
23292		A	CON8,TABAC&5	11	25877	A3623425482
2330		BCE	PIKSW1,YRAG,4	12	25888	B26003363314
23302		A	CON8,TABAC&5	11	25900	A3623425482
2331		BCE	PIKSW1,YRAG,5	12	25911	B26003363315
23312		A	CON8,TABAC&5	11	25923	A3623425482
2332		BCE	PIKSW1,YRAG,6	12	25934	B26003363316
23322		A	CON8,TABAC&5	11	25946	A3623425482
2333		BCE	PIKSW1,YRAG,7	12	25957	B26003363317
23332		A	CON8,TABAC&5	11	25969	A3623425482
2334		BCE	PIKSW1,YRAG,8	12	25980	B26003363318
23342		A	CON8,TABAC&5	11	25992	A3623425482
23399						
2340	PIKSW1	NOPWM		1	26003	N
2341		B	*G12	7	26004	J26022
2342		A	CON4,TABAC&5	11	26011	A3621925482
2343		B	EXSTOR	7	26022	J25470
23439						
2344	XYTEX	NOPWM		1	26029	N
23442		B	SSTAB	7	26030	J26086
2345		SW	XYTEX&1	6	26037	,26030
23452		MLNA	EXW00,TABAC&5	12	26043	D3733025482/
2346		MLNS	XW0,XRAG	12	26055	D33097363301
23462		MLNS	YWC,YRAG	12	26067	D33111363311
2347		B	XRADET	7	26079	J25578
23498						
23499						
2351	SSTAB	MLNA	SENSE SEGMENT-2 DRIVE TABULATION	12	26086	D3733525482/
23549						
2355		A	CON9,TABAC&5	11	26098	A3623925482
2356		BCE	PIKSW2,SENSEG,8	12	26109	B26132330780
2357		A	CON9,TABAC&5	11	26121	A3623925482
23599						
2360	PIKSW2	NOPWM		1	26132	N
2361		B	*G12	7	26133	J26151
2362		A	CON4,TABAC&5	11	26140	A3621925482

PICKUP SWITCH 1
 GO TO TAB INCREMENT
 XY TAB EXIT SWITCH
 SET XY TAB SW
 SET XW0-O STAD
 SET XRAG TO XW0
 SET YRAG TO YW0
 SENSE SEGMENT-2 DRIVE TABULATION
 SET TAB START ADDR
 ADD 9 TO SET TO B-P
 TEST FOR SS-B
 SET TO D-P
 PICKUP SWITCH 2
 ADD 4 TO SET TO D FLD

PGLIN	LABEL	OPCOD	OPERAND	CT	ADDR	INSTRUCTION
2363		B	EXSTOR	7	26151	J25470
24989	*					
2499	TABRET	B	00000	7	26158	J00000
2500	*					
2501	*					
2502	S5SET	MLNA	S5INAD,S5ACDR	12	26165	D3382633584/
2503		MLNA	S5INAD,PLACER&10	12	26177	D3382626223/
25034		MLNA	S5,SECINDE&3	12	26189	D3628933116/
2505		SW	SW5REP&1	6	26201	,24740
25054		SW	S5ADDR-3	6	26207	,335H1
2506	*					
2507	PLACER	MLCWA	S5ADDR,00004	12	26213	D3358400004X
2508	*					
25084		CH	S5ADDR-3	6	26225	H33581
2509		C	PLACER&10,NINES	11	26231	C2622333791
2510		BE	TTHFIL	7	26242	J262855
2511	FLIPF	A	CON5,S5ADDR	11	26249	A3622433584
2512		A	CON5,PLACER&10	11	26260	A3622426223
2513		BNQ	ITR	7	26271	J21100Q
25199	*	B	PLACER	7	26278	J26213
2520	TTHFIL	BCE	FILLED,PLACER&6,1	12	26285	B26304262191
2521		B	FLIPF	7	26297	J26249
2532	*					
2540	*					
2541	FILLED	MLNA	S5INAD,S5ACDR	12	26304	D3382633584/
2542		MLNA	S5INAD,CHECK&5	12	26316	D3382626344/
25422		SW	S5ADDR-3,S5ERTY&11	11	26328	,3358133366
2543	*					
2545	CHECK	C	00004,S5ADDR	11	26339	C0000433584
2546		BE	ORDCHK	7	26350	J26364S
2547		B	S5ERR	7	26357	J26448
2548	*					
25484	ORDCHK	CH	S5ADDR-3,S5ERTY&11	11	26364	H3358133366
2549		C	CHECK&5,NINES	11	26375	C2634433791
2550		BE	TTHCHK	7	26386	J26429S

S

SECTION 5- MEMORY ADDR PLACEMENT

SECTION 5 CHECKING AREA

PGLIN	LABEL	OPCOD	OPERAND	CT	ADDRS	INSTRUCTION
2551	FLIPC	A	CON5,S5ADDR	11	26393	A3622433584
2552		A	CON5,CHECK&5	11	26404	A3622426344
2553		BNQ	ITR	7	26415	J21100Q
		B	CHECK	7	26422	J26339
25599		BCE	SCMPLT,CHECK&1,1	12	26429	B24602263401
2560	TTHCHK	B	FLIPC	7	26441	J26393
2572		MLNWA	S5ADDR,SSERTY&6	12	26448	D3358433361V
2573		MLNA	S5ADDR,PLCONT&5	12	26460	D3358426489V
2575	SSERR					
2576		MLCWA	BLANKS-5,SSERTY&14	12	26472	D3360833369X
2577		MLCWB	00000,SSERTY&14	12	26484	D0000033369P
2578	PLCONT					
2579		BNQ	ITR	7	26496	J21100Q
2580		BCE	GAC,TAD0,1	12	26503	B26539210001
		WCPW	SSERTY	10	26515	L4T0333355M
2581		BCB1	*-16	7	26525	R265152
2582		BA1	GAC	7	26532	R26539M
2583		B	ORDCHK	7	26539	J26364
2584	GAC					
2585						
2599						
2600						
2601	TABPRT	SBR	PRTRTEIG5	7	26546	G275528
2602		BCE	TNOPER,TAD5,1	12	26553	B26708210051
2603		BCE	TNOPER,SECIND&3,5	12	26565	B26708331165
2605		MLNA	MESCTR,CTR2	12	26577	D3361533623V
26054		S	S1,CTR2	11	26589	S3628133623
2606		MLNA	GHEAD,TESLIN&5	12	26600	D3734026624V
2607		B	SUBCT	7	26612	J26637
26099						
2610	TESLIN	C	HEAD,TABCLA	11	26619	C3398933702
2611		BU	TYORPR	7	26630	J26732V
2612	SUBCT	S	S1,CTR2	11	26637	S3628133623
2613		C	G24,CTR2	11	26648	C3631733623
26132		BE	TNOTAB	7	26659	J26684S

PRINT ERROR TABULATION AREA

SET EXIT BRANCH FROM PRINT TAB
 TEST TAD5 FOR TAB BYPASS
 TEST S-XX FOR 05
 SET CTR2 TO MEM SIZE TAB DIGITS
 REDUCE CTR BY 1
 SET CMP ADDR TO HEAD TAB LINE
 BYPASS FIRST CMP
 TEST EACH TAB LINE FOR ALL ZEROS
 TY OR PRINT TAB IF ANY LINE UNEQ
 REDUCE CTR BY 1
 TEST CTR FOR 24
 TYPE NO TAB PERF IF EQL

PGLIN	LABEL	OPCOD	OPERAND	CT	ADDRS	INSTRUCTION
2614		A	CN0078, TESLIN&5	11	26666	A3626426624
2615		B	TESLIN	7	26677	J26619
26199	*					
2620	TNOTAB	WCP	NOERTA	10	26684	MXT033386M
2621		BA1	*-16	7	26694	R26684M
2622		B	PRTRET	7	26701	J27547
26299	*					
2630	TNOPER	WCP	NOTPER	10	26708	MXT033406M
2631		BA1	*-16	7	26718	R26708M
2632		B	PRTRET	7	26725	J27547
26498	*					
26499	*					
2650	TYORPR	CW	PROSW&1, BUFFSW&1	11	26732	M2704127073
2652		BCE	*68, TAD7, 1	12	26743	B26762210071
2653		B	CTRSET	7	26755	J26962
26549	*					
2655		SW	PROSW&1	6	26762	, 27041
2657		CS	TEMPOR&131	6	26768	/33031
2658		CS		1	26774	/
26699	*					
2670		MLCS	CHAN1, PRLINE&1	12	26775	D33585271173
26715		MLCWS	CHAN10, PRLINE&10	12	26707	D33586771267
26716		MLCWS	CHAN18, PRLINE&17	12	26799	D33586271337
2672		BCE	BUF132, PRIBUF, 2	12	26811	B26950212592
2673		BCE	BUF100, PRIBUF, 1	12	26823	B26925212591
26739	*					
2674		MLCS	CHAN2, PRLINE&1	12	26835	D33587271173
26755		MLCWS	CHAN28, PRLINE&10	12	26847	D33588271267
26756		MLCWS	CHAN28, PRLINE&17	12	26859	D33588271337
2676		BCE	BUF132, PRIBUF&1, 2	12	26871	B26950212602
2677		BCE	BUF100, PRIBUF&1, 1	12	26883	B26925212601
26899	*					
2690		CW	PROSW&1	6	26895	M27041
2691		WCP	NOPBFS	10	26901	MXT033430M
2692		BA1	*-16	7	26911	R26901M
2693		B	CTRSET	7	26918	J26962

NO CHAN PRINTER A/O BUF SIZ SPEC

PGLIN	LABEL	OPCODE	OPERAND	CT	ADDRS	INSTRUCTION
26999	*					
2700	BUF100	SW	BUFFSW&1	6	26925	,27073
2701		MLCWS	GM,TEMPOR&100	12	26931	033112330007
2702		B	*&13	7	26943	J26962
2703	BUF132	MLCWS	GM,TEMPOR&132	12	26950	033112330327
27199	*					
2720	CTRSET	MLNA	MESCTR,CTR2	12	26962	03361533623/
2721		MLNA	&LEAD,TEILEY&5	12	26974	03734527027/
2722		MLNA	&TABCLA,TEILEY&10	12	26986	03735027032/
2723		MLNA	&LEADER,TYLINE&8	12	26998	03735527056/
2724		MLNA	&LEADER,COMADD	12	27010	03735536790/
27249	*					
2725	TETLEY	C	LEAD,TABCLA	11	27022	C3391133702
2726		BE	SUBCTR	7	27033	J27140S
27269	*					
2727	PROSM	NOPWM		1	27040	N
2728		B	BUFFSW	7	27041	J27072
27299	*					
2730	TYLINE	WCP	LEADER	10	27048	M&T033835M
2731		BA1	*-16	7	27058	R27048M
2732		B	SUBCTR	7	27065	J27140
2733	BUFFSW	NOPWM		1	27072	N
2734		B	SCRUBC	7	27073	J27086
2735		CS	TEMPOR&131	6	27080	/33031
2736	SCRUBC	CS	TEMPOR&99	6	27086	/32999
27379	*					
2739	CONTPL	MLNA	COMADD,CONTPLE&5	12	27092	03679027109/
2740		MRCG	00000,TEMPOR	12	27104	00000032900\$
27419	*					
2742	PRLINE	W	TEMPOR	10	27116	M&2032900M
2743		BEX1	*-16,3	7	27126	R271163
2744		BA1	*&1	7	27133	R27140M
27449	*					
2745	SUBCTR	S	S1,CTR2	11	27140	S3628133623
2746		BZ	ENDTYB	7	27151	J27400V
27469	*					

REDUCE CTR BY 1
EXIT ON 00

PGLIN	LABEL	OPCOD	OPERAND	CT	ADDR	INSTRUCTION
2747		C	C24,CTR2	11	27158	C3631733623
2748		BH	ADD78	7	27169	J27266U
2749		BE	EQL24	7	27176	J27295S
2750		C	S2,CTR2	11	27183	C3628333623
2751		BH	ADD84	7	27194	J27237U
2752		BE	EQL02	7	27201	J27338S
27529	*					
2753		A	CN024,TETLEY&5	11	27208	A3624927027
2754		A	CN024,COMADD	11	27219	A3624936790
2756		B	EQL02R	7	27230	J27362
27599	*					
2760	ADD84	A	CON84,TETLEY&5	11	27237	A3626927027
2761		A	CON84,COMADD	11	27248	A3626936790
2762		B	COMREF	7	27259	J27381
27649	*					
2765	ADD78	A	CN0078,TETLEY&5	11	27266	A3626427027
2766		A	CN0078,COMADD	11	27277	A3626436790
2767		B	COMREF	7	27288	J27381
27699	*					
2770	EQL24	MLNA	&SGLEAD,TETLEY&5	12	27295	D3736027027/
2771		MLNA	&LEADSG,COMADD	12	27307	D3736536790/
2772		MLNA	&TABGAG,TETLEY&10	12	27319	D3737027032/
2773		B	COMREF	7	27331	J27381
27749	*					
2775	EQL02	MLNA	&SLEA,TETLEY&5	12	27338	D3737527027/
2776		MLNA	&LEADSS,COMADD	12	27350	D3738036790/
2777	EQL02R	MLNA	COMADD,TYLINE&8	12	27362	D3679027056/
2778		B	PROSW	7	27374	J27040
27799	*					
2780	COMREF	MLNA	COMADD,TYLINE&8	12	27381	D3679027056/
2781		B	TETLEY	7	27393	J27022
29049	*					
2913	ENDTY8	MLCA	TABCLA,ODD01	12	27400	D3370234145T
29132		MLCA	TABCLA,EVEN01	12	27412	D3370234067T
29139	*					
2914		CH	CLAPSH&1	6	27424	D27503

RESET TABLE AFTER OUTPUT

PGLIN	LABEL	OPCOD	OPERAND	CT	ADDRS	INSTRUCTION
2915		MLNA	CGATEO,CLAPAB&10	12	27430	D3730527464/
2916		MLNA	S10,CTR2	12	27442	D3629933623/
29169	*					
2917	CLAPAB	MLCA	TABGAG,GATEO	12	27454	D3378234313T
2918		S	S1,CTR2	11	27466	S3628133623
2919		BZ	CLAPSW	7	27477	J27502V
2920		A	CON84,CLAPAB&10	11	27484	A3626927464
2921		B	CLAPAB	7	27495	J27454
29219	*					
2922	CLAPSW	NOPWM	X-Y TAB CLEAR EXIT SW	1	27502	N
2923		B	*626	7	27503	J27535
29232		SW	CLAPSW&1	6	27510	,27503
2924		MLNA	SWINDO,CLAPAB&10	12	27516	D3731027464/
2925		B	CLAPAB-12	7	27528	J27442
29259	*					
2926		MLCA	TABCLA-54,LINZ8D	12	27535	D3364836041T
2999	PRTRT	B	00000	7	27547	J00000
3000	*		SECTION 6 SETUP			
3001	*		W-8A--21			
3001	*		-C--84--			
3003	S6SET	MLCWA	CONS6,PLUS&24	12	27554	D3616736833X
3004		MLCWA	CONST7,MINUS&24	12	27566	D3619236859X
30044		CW	PLUS,MINUS	11	27578	#3680936835
30046		MLNA	S6,SECIND&3	12	27589	D3629133116/
30048		MLNA	S6,SECCIN&3	12	27601	D3629133121/
3006		SW	SW6REP&1	6	27613	,24732
3007		SW	SW613A&1	6	27619	,28763
3015		B	WMPUS	7	27625	J28308
3020	*		SECTION 7 SETUP			
3021	*		-C--84--			
3021	*		W-8A--21			
3023	STSET	MLCWA	CONST7,PLUS&24	12	27632	D3619236833X
3024		MLCWA	CONS6,MINUS&24	12	27644	D3616736859X
30244		CW	PLUS,MINUS	11	27656	#3680936835
30246		MLNA	S7,SECIND&3	12	27667	D3629333116/
30248		MLNA	S7,SECCIN&3	12	27679	D3629333121/
3026		SW	SW7REP&1	6	27691	,24724
3028		SW	SW613A&1	6	27697	,28763

PGLIN	LABEL	OPCOD	OPERAND	CT	ADDRS	INSTRUCTION
3030		SW	SC7RE&1	6	27703	,31622
3035		B	WMMINS	7	27709	J28273
3040	*		SECTION 8 SETUP			-CBA8421
3041	*		W-----			
3043	S8SET	MLCWA	CONSL,PLUS&24	12	27716	D3606736833X
3044		MLCWA	CONSL,MINUS&24	12	27728	D3609236859X
30444		CH	PLUS,MINUS	11	27740	D3680936835
30446		MLNA	S8,SECCIN&3	12	27751	D3629533116/
30448		MLNA	S8,SECCIN&3	12	27763	D3629533121/
3046		SW	SW8REP&1	6	27775	,24716
3047		SW	SW613A&1	6	27781	,28763
3049		SW	SC8RE&1	6	27787	,31614
3055		B	WMMINS	7	27793	J28273
3060	*		SECTION 9 SETUP			W-----
3061	*		-CBA8421			
3063	S9SET	MLCWA	CONSL,PLUS&24	12	27800	D3609236833X
3064		MLCWA	CONSL,MINUS&24	12	27812	D3606736859X
30644		CH	PLUS,MINUS	11	27824	D3680936835
30646		MLNA	S9,SECCIN&3	12	27835	D3629733116/
30648		MLNA	S9,SECCIN&3	12	27847	D3629733121/
3066		SW	SW9REP&1	6	27859	,24708
3067		SW	SW613A&1	6	27865	,28763
3069		SW	SC9RE&1	6	27871	,31606
3075		B	WAMPLUS	7	27877	J28308
3080	*		SECTION 10 SETUP			WC-A-4-1
3081	*		--B-8-2-			
3083	S10SET	MLCWA	CONS3,PLUS&24	12	27884	D3611736833X
3084		MLCWA	CONS4,MINUS&24	12	27896	D3614236859X
30844		CH	PLUS,MINUS	11	27908	D3680936835
30846		MLNA	S10,SECCIN&3	12	27919	D3629933116/
30848		MLNA	S10,SECCIN&3	12	27931	D3629933121/
3086		SW	SW10RE&1	6	27943	,24700
3087		SW	SW613A&1	6	27949	,28763
3089		SW	SC10RE&1	6	27955	,31598
3095		B	WAMPLUS	7	27961	J28308
3100	*		SECTION 11 SETUP			--B-8-2-

PGLIN	LABEL	OPCOD	OPERAND	OPCOD	OPERAND	CT	ADDRS	INSTRUCTION
3101	°							
3103	S11SET	MLCWA	CONS4,PLUS&24	MLCWA	CONS4,PLUS&24	12	27968	D3614236833X
3104		MLCWA	CONS3,MINUS&24	MLCWA	CONS3,MINUS&24	12	27980	D3611736859X
31044		CH	PLUS,MINUS	CH	PLUS,MINUS	11	27992	D3680936835
31046		MLNA	S11,SECIN&3	MLNA	S11,SECIN&3	12	28003	D3630133116/
31048		MLNA	S11,SECCIN&3	MLNA	S11,SECCIN&3	12	28015	D3630133121/
3106		SW	SW11RE&1	SW	SW11RE&1	6	28027	D24692
3107		SW	SW613A&1	SW	SW613A&1	6	28033	D28763
3109		SW	SC11RE&1	SW	SC11RE&1	6	28039	D31590
3115		B	WMINS	B	WMINS	7	28045	J28273
3120	°		SECTION 12 SETUP-		DIAGONAL TEST PATH BEAT ALL W-----			
3121	°				WITH ALL -CBA8421			
3123	S12SET	MLCWA	CONS2,PLUS&24	MLCWA	CONS2,PLUS&24	12	28052	D3609236833X
3124		MLCWA	CONS2,MINUS&24	MLCWA	CONS2,MINUS&24	12	28064	D3609236859X
31246		MLNA	S12,SECIN&3	MLNA	S12,SECIN&3	12	28076	D3630333116/
3126		SW	SW12RE&1	SW	SW12RE&1	6	28088	D24684
3127		SW	SW1213&1	SW	SW1213&1	6	28094	D28755
3129		MLNA	&CONS12,TBA0&5	MLNA	&CONS12,TBA0&5	12	28100	D3738531803/
31292		MLNA	&CONS12,TBA1&5	MLNA	&CONS12,TBA1&5	12	28112	D3738531791/
3133		MLCS	CONS2,SAX&11	MLCS	CONS2,SAX&11	12	28124	D36092320163
3135		B	WMALL	B	WMALL	7	28136	J28245
3140	°		SECTION 13 SETUP-		DIAGONAL TEST PATH BEAT ALL -CBA8421			
3141	°				WITH ALL W-----			
3143	S13SET	MLCWA	CONS1,PLUS&24	MLCWA	CONS1,PLUS&24	12	28143	D3606736833X
3144		MLCWA	CONS1,MINUS&24	MLCWA	CONS1,MINUS&24	12	28155	D3606736859X
31444		CH	PLUS,MINUS	CH	PLUS,MINUS	11	28167	D3680936835
31446		MLNA	S13,SECIN&3	MLNA	S13,SECIN&3	12	28178	D3630533116/
3146		SW	SW13RE&1	SW	SW13RE&1	6	28190	D24676
3147		SW	SW1213&1	SW	SW1213&1	6	28196	D28755
3149		MLNA	&CONS13,TBA0&5	MLNA	&CONS13,TBA0&5	12	28202	D3739031803/
31492		MLNA	&CONS13,TBA1&5	MLNA	&CONS13,TBA1&5	12	28214	D3739031791/
3153		MLCS	CONS1,SAX&11	MLCS	CONS1,SAX&11	12	28226	D36067320163
3155		B	CLBESE	B	CLBESE	7	28238	J28336
31699	°				SET WM-S IN PLUS AND MINUS FLD			
3170	WMALL	SW	PLUS&24	SW	PLUS&24	6	28245	D36833
31702		SW	PLUS&23,PLUS&11	SW	PLUS&23,PLUS&11	11	28251	D3683236820

PGLIN	LABEL	OPCOD	OPERAND	CT	ADDR	INSTRUCTION
3171		SW		1	28262	,
3172		SW		1	28263	,
3173		SW		1	28264	,
3174		SW		1	28265	,
3175		SW		1	28266	,
3176		SW		1	28267	,
3177		SW		1	28268	,
3178		SW		1	28269	,
3179		SW		1	28270	,
31792		SW		1	28271	,
31794		SW		1	28272	,
3180		SW	MINUS&24	6	28273	,36859
31802	WPMINS	SW	MINUS&23,MINUS&11	11	28279	,3685836846
3181		SW		1	28290	,
3182		SW		1	28291	,
3183		SW		1	28292	,
3184		SW		1	28293	,
3185		SW		1	28294	,
3186		SW		1	28295	,
3187		SW		1	28296	,
3188		SW		1	28297	,
3189		SW		1	28298	,
31892		SW		1	28299	,
31894		SW		1	28300	,
3190		B	CLBESE	7	28301	J28336
31999			SET WM-S IN PLUS FIELD			
3200	WPLUS	SW	PLUS&24	6	28308	,36833
32002		SW	PLUS&23,PLUS&11	11	28314	,3683236820
3201		SW		1	28325	,
3202		SW		1	28326	,
3203		SW		1	28327	,
3204		SW		1	28328	,
3205		SW		1	28329	,
3206		SW		1	28330	,
3207		SW		1	28331	,
3208		SW		1	28332	,

PGLIN	LABEL	OPCOD	OPERAND	CT	ADDRS	INSTRUCTION
3209		SW		1	28333	,
32092		SW		1	28334	,
32094		SW		1	28335	,
32199			CLEAR MEMORY OTA BETWEEN SECTIONS			
3223	CLBESE	MLNA	FA20H,CLOTA&5 SET CLOTA TO 19999	12	28336	03378728359/
32299						
3230		SW	00001 SET WM AT 00001	6	28348	,00001
3231		CS	19999 CLEAR ALL OTA	6	28354	/19999
3232	CLOTA	S8R	CLOTA&5	7	28360	G28359B
3233		BW	CLOTA,00001	12	28367	V28354000011
32338						
32339			COMMON MEMORY OTA FILL- ALL SECTS,EXCEPT S-5			
3234		CS	SETUPA&99 CLEAR SETUP A	6	28379	/37099
3235		CS	SETUPB&99 CLEAR SETUP B	6	28385	/37299
32399			FILL SETUP A & B FIELDS			
3240		MRCWG	PLUS,SETUPA && 00-25	12	28391	03680937000L ^D
3241		MRCWG	MINUS,SETUPA&25 -- 25-50	12	28403	03683537025L ^D
3242		MRCWG	MINUS,SETUPA&50 -- 50-75	12	28415	03683537050L ^D
3243		MRCWG	PLUS,SETUPA&75 && 75-100	12	28427	03680937075L ^D
32439						
3244		MRCWG	MINUS,SETUPB -- 00-25	12	28439	03683537200L ^D
3245		MRCWG	PLUS,SETUPB&25 && 25-50	12	28451	03680937225L ^D
3246		MRCWG	PLUS,SETUPB&50 && 50-75	12	28463	03680937250L ^D
3247		MRCWG	MINUS,SETUPB&75 -- 75-100	12	28475	03681537275L ^D
32999			FILL 00000-09999			
3300		CH	INFSW&1 CLEAR BINARY INFSW	6	28487	028571
3301		MLNA	&SETUPA,INFIL2&5 SET INFIL2 A ADDR	12	28493	03739528522/
3302		MLNA	INFAD2,INFIL2&10 SET INFIL2 B ADDR	12	28505	03381628527/
33049						
3305	INFIL2	MRCWG	SETUPA,00000 FILL 100 POSITIONS PER	12	28517	03700000000L ^D
3306		C	INFIL2&8,NINES-2 TEST FOR -99--	11	28529	C2852533789
3307		BE	INFIL3	7	28540	J28659S
3308		A	CON100,INFIL2&10 ADD 100 TO INFIL2 B ADDR	11	28547	A3624428527
3309		BCE	INFIB,INFIL2&8,5 TEST FOR --5--	12	28558	B28628285255
33099						
3310	INFSW	NOPWM	BINARY SHIFT SW	1	28570	N

PGLIN	LABEL	OPCOD	OPERAND	CT	ADDRS	INSTRUCTION
3311		B	INFIA	7	28571	J28603
3312		SW	INFSW&1 SET INFSW	6	28578	28571
3313		MLNA	6SETUPB,INFIL2&5 SET INFIL2 A ADDR HI	12	28584	D3740028522/
3314		B	INFIL2	7	28596	J28517
3315	INFIA	CW	INFSW&1 CLEAR INFSW	6	28603	28571
3316		MLNA	6SETUPA,INFIL2&5 SET INFIL2 A ADDR LO	12	28609	D3739528522/
3317		B	INFIL2	7	28621	J28517
33179	*					
3318	INFIB	BCE	INFIL2,INFIL2&7,2 NO SHIFT IF -2----	12	28628	828517285242
3319		BCE	INFIL2,INFIL2&7,7 NO SHIFT IF -7----	12	28640	828517285247
3320		B	INFSW	7	28652	J28570
33249	*					
3325	INFIL3	MLCWS	GM,09999 SET GM-WM AT 09999	12	28659	D33112099997
33252		MRCWG	00000,10000 FILL 10000-19999	12	28671	D0000010000L
33254		MLCWS	SETUPB,09999 REPLACE APPROP CHARS	12	28683	D37200099997
33256		MLCWS	SETUPB,19999	12	28695	D37200199997
33258	*					
33259	*		CLEAR & SET CMP FIELDS A & B	6	28707	/36999
3326		CS	CMPLAA	12	28713	D3700036900\$
3327		MRCG	SETUPA,CMPFDA SET CMPFDA W-O WM-S	6	28725	/37199
33279	*					
3328		CS	CMPLAB	12	28731	D3720037100\$
3329		MRCG	SETUPB,CMPFDB SET CMPFDB W-O WM-S	6	28725	/37199
33299	*					
3399	*					
3400	*		COMMON CHECKING AREA- ALL SECTIONS, EXCEPT S-5	11	28743	3690037100
3408	COCHKA	SW	CMPFDA,CMPFDB SET TERM CMPFD WM-S	11	28743	3690037100
34099	*					
3413	SW1213	NOPWM	SECTIONS 12-13 SWITCH	1	28754	N
3414		B	HAFSEL	7	28755	J31743
3415	SW613A	NOPWM	SECTIONS 6-11 SWITCH	1	28762	N
3416		B	BYPOIS GO TO DISCRIM BYPASS OPTION	7	28763	J28777
3417		B	DISCRM	7	28770	J28796
3420	BYPOIS	BCE	CPTSET,TAD8,1 BYPASS DISCRIMINATION IF TAD8 UP	12	28777	830295210081
3421		B	DISCRM	7	28789	J28796
3429	*					

PG. IN	LABEL	OPCODE	OPERAND	CT	ADDRS	INSTRUCTION
3430			DISCRIMINATION CHECKING AREA- ALL SECTIONS, EXCEPT S-5			
3431						
3435	DISCRM	MLNA	INCMPC, CCCMP&S	12	28796	03383128849/
3436		MLNA	CMPLAA, CCCMP&10	12	28808	03740528854/
34362		CW	CCREVE&1	6	28820	029818
3437		SW	CMPEFAC1	6	28826	036901
3438		CW	INTBYP&1	6	28832	028962
3439						
3440		CW	SWSC&1	6	28838	029021
3441	CCCCP	C	00000, CMPLAA	11	28844	C0000036999
3442		BU	SCSET	7	28855	J28868/
3443		SW	SWSC&1	6	28862	029021
3444						
3445	SCSET	SW	SCCMP&6, CHKWM&6	11	28868	02903429060
34454		CW	CMPEFAC1	6	28879	036901
3446		MLNWB	CCCCMP&5, SCCMP&10	12	28885	02884929038N
3447		S	CONRED, SCCMP&10	11	28897	S3380629038
3448		MLNWB	SCCMP&10, CHKWM&10	12	28908	02903829064N
34484		MLNB	CCGMP&5, HTUADD	12	28920	02884936793J
3449		SW	CMPEFAC1	6	28932	029009
3450		MLNWB	CCCCMP&10, CMPSET&5	12	28938	02885429013N
3451		S	CONRED, CMPSET&5	11	28950	S3380629013
34519						
3452	INTBYP	NOPWM	INIT 0000 ADDR BYPASS CHK SW	1	28961	N
34524		B	CMPEFAC1	7	28962	J29008
3453		A	CON1, CMPSET&5	11	28969	A3620929013
34532		A	CON1, SCCMP&10	11	28980	A3620929038
34534		A	CON1, CHKWM&10	11	28991	A3620929064
34536		SW	INTBYP&1	6	29002	028962
34538						
34539						
3454	CMPEFAC1	MLCS	CMPEFAC1, SCCMP&11	12	29008	036900290393
3455	SWSC	NOPWM	SWITCH- BYPASS SCCMP	1	29020	N
3456		B	CHKWM	7	29021	J29054
34569						
3457	SCCMP	BCE	CHKWM, 00000, M	12	29028	B2905400000M ⁹

PGLIN	LABEL	OPCOD	OPERAND	CT	ADDRS	INSTRUCTION
3458		B	NOTEQL	7	29040	J29073
3459		B	SCINC	7	29047	J29705
34599	*					
3460	CHKWM	BW	UPWM,00000	12	29054	V29357000001
3461		B	DOWM	7	29066	J29376
3462	*					
3465	NOTEQL	SBR	VARRET65	7	29073	G242978
34654		MLNB	SCCMP&10,COMADD	12	29080	D2903836790J
3466		MLCA	BLITZ,BITTER	12	29092	D3360333066T
34664		MLCA	BLITZ-4,ISCHAR	12	29104	D3359933056T
34669	*					
3468		BBE	NOTEQ2,SCCMP&11,8	12	29116	W29135290398
3469		B	NOTEQ4	7	29128	J29166
34699	*					
3471	NOTEQ2	BCE	S18B,SCCMP&11,M ^G	12	29135	82383629039M ^G
3473		BCE	S48B,SCCMP&11,°	12	29147	82407629039.°
3474		B	S78B	7	29159	J29277
34749	*					
3476	NOTEQ4	BCE	S28B,SCCMP&11,	12	29166	82391629039
3478		BCE	S38B,SCCMP&11,V	12	29178	82399629039V
34784		B	S68B	7	29190	J29197
34789	*					
3479	*		SECTIONS 6-7 CHAR C BIT BREAKDOWN			
3480	S68B	MLCA	S65B-6,S8CHAR	12	29197	D3356333050T
3483		MLCWS	CUN56-24,CORREC	12	29209	D36143336217
34849	*		CHAR WM-C SHOULD BE W-BA--21			
3485		B	COMWP	7	29221	J23144
3487		B	COMBP	7	29228	J23251
3488		B	COMAP	7	29235	J23358
3489		B	COM8D	7	29242	J23408
3490		B	COM4D	7	29249	J23515
3491		B	COM2P	7	29256	J23679
3492		B	COM1P	7	29263	J23786
3493		B	PLACAD	7	29270	J24156
35299	*					
3530	*		SECTIONS 6-7 CHAR @ BIT BREAKDOWN			

PGLIN	LABEL	OPCOD	OPERAND	CT	ADDRS	INSTRUCTION
3531	S788	MLCA	S7S8-6,SBCHAR	12	29277	D3357333050T
3533		MLCWS	CONST-4,CORREC	12	29289	D36188336217
35349	*		CHAR ---@ SHOULD BE -C--84--			
3535		B	COMWD	7	29301	J23087
3537		B	COMBD	7	29308	J23194
3538		B	COMAD	7	29315	J23301
3539		B	COM8P	7	29322	J23465
3540		B	COM4P	7	29329	J23572
3541		B	COM2D	7	29336	J23622
3542		B	COM1D	7	29343	J23729
3543		B	PLACAD	7	29350	J24156
3578	*					
3579	*					
3581	UPWM	B8E	PICKWM,SCCMP&11,8	12	29357	W29402290398
3582		B	SCINC	7	29369	J29705
3584	COMM	B8E	SCINC,SCCMP&11,8	12	29376	W29705290398
3585		B	DROPWM	7	29388	J29544
35854	*	B	SCINC	7	29395	J29705
35859	*					
3586	PICKWM	SBR	VARRET&5	7	29402	G24297B
35862		MLCA	BLITZ,BITTER	12	29409	D3360333066T
35864		MLCS	PICK,BITTER-7	12	29421	D33590330593
35866		MLNB	CHKWM&10,COMADD	12	29433	D2906436790J
35869	*					
35874		BCE	PWM4,SCCMP&11,M ^G	12	29445	B2950729039M
35884		BCE	PWM3,SCCMP&11,?	12	29457	B2948829039?
35889	*					
3589	PWM23	MLCA	S7S8,ISCHAR	12	29469	D3357933056T
35894		B	PWM5	7	29481	J29519
3590	PWM3	MLCA	S4S8,ISCHAR	12	29488	D3355933056T
35904		B	PWM5	7	29500	J29519
3591	PWM4	MLCA	S1S8,ISCHAR	12	29507	D3352933056T
35912	PWM5	MLNA	COMADD,CLERR&5	12	29519	D3679029536/
35914	CLERR	CW	00000	6	29531	#00000
35916		B	ADCRPL	7	29537	J29679
35919	*					

TEST FOR WM DOWN
 B DOWN
 A DOWN
 8 UP
 4 UP
 2 DOWN
 1 DOWN
 ERROR- CHAR IS GM,EX PT,OR @
 OK-
 OK-
 ERROR- CHAR IS BLANK,V,OR C
 RESET BIT BREAKDOWN TO -----
 PLACE P P-----
 PLACE CHKWM ADDR IN COMADD
 TEST SCCMP D MOD FOR GM
 TEST FOR EX PT
 PLACE ---@ WM-@ IN T-O
 PLACE --EP WMEP IN T-O
 PLACE --GM WMGM IN T-O
 SETUP FOR ERROR CORRECTION
 CLEAR WM PICK AT ACTUAL ERRADD

PGLIN	LABEL	OPCOD	OPERAND	CT	ADDRS	INSTRUCTION
3592	CROPWM	SBR	VARRET&S	7	29544	G242978
35922		MLCA	BLITZ,BITTER	12	29551	D3360333066T
35924		MLCS	DROP,BITTER-7	12	29563	D33591330593
35926		MLNB	CHKWM&10,CCMADD	12	29575	D2906436790J
35929	*					
35934		BCE	DWM4,SCCMP&11,	12	29587	B2964929039
35944		BCE	DWM3,SCCMP&11,V	12	29599	B2963029039V
35949	*					
3595	DWM23	MLCA	S6SB,ISCHAR	12	29611	D3356933056T
35954		B	DWM5	7	29623	J29661
3596	DWM3	MLCA	S3SB,ISCHAR	12	29630	D3354933056T
35964		B	DWM5	7	29642	J29661
3597	DWM4	MLCA	S2SB,ISCHAR	12	29649	D3353933056T
35972	DWM5	MLNA	COMADD,STERR&5	12	29661	D3679029678/
35974	STERR	SW	00000	6	29673	,00000
3599	*					
3600	ADDRPL	MLNA	COMADD,ERRADD	12	29679	D3679033044/
3601		B	CHDET	7	29691	J21300
3602		B	ERRIND	7	29698	J24206
3639	*					
3640	SCINC	C	SCCMP&10,HTUADD	11	29705	C2903836793
3641		BE	CCINC	7	29716	J29770S
3642	*					
3643		A	CON1,SCCMP&10	11	29723	A3620929038
36434		A	CON1,CMPSET&5	11	29734	A3620929013
3644		A	CON1,CHKWM&10	11	29745	A3620929064
3645		BNQ	ITR	7	29756	J21100Q
3645		B	CMPSET	7	29763	J29008
36459	*					
3646	CCINC	CW	SHSC&1	6	29770	H29021
3647		C	CCCMP&3,NINES-2	11	29776	C2884733789
3648		BE	CCITH	7	29787	J29906S
36489	*					
3649	CCINCA	A	CONM,CCCMP&5	11	29794	A3381128849
3650		BCE	CCNREV,CCCMP&3,5	12	29805	B29875288475
36509	*					

PGLIN	LABEL	OPCOD	OPERAND	CT	ADDRS	INSTRUCTION
3651	CCREV	NOPWM	BINARY SHIFT SW	1	29817	N
36512		B	CCREVI	7	29818	J29850
3652		SW	CCREV&1	6	29825	,29818
36522		MLNA	&CMPLAR,CCCMP&10	12	29831	D3741028854/
3653		B	CCCMP	7	29843	J28844
3654	CCREVI	CM	CLEAR CCREV SW	6	29850	□29818
36542		MLNA	&CMPLAA,CCCMP&10	12	29856	D3740528854/
3655		B	CCCMP	7	29868	J28844
36559	*					
3656	CCNREV	BCE	CCCMP,CCCMP&2,2	12	29875	828844288462
3657		BCE	CCCMP,CCCMP&2,7	12	29887	828844288467
3658		B	CCREV	7	29899	J29817
3659	*					
3665	CCTTH	BCE	SCMPLT,CCCMP&1,1	12	29906	824602288451
3667		B	CCINCA	7	29918	J29794
3668	*					
3798	*					
3799	*					
3800	TABSEA	SBR	TABLE SEARCH ROUTINE - FOR ACTUAL ERROR CHAR	7	29925	G30293H
3801		MLCA	SEARET&5	12	29932	D33599330561
3802		MLCWA	BLITZ-4,ISCHAR	12	29944	D3360136785X
38049	*		BLITZ-2,SEARCH			
38099	*		SET SEARCH ARGUMENT TO -----			
3810		MLNA	COMADD,JAC&10	12	29956	D3679030050/
3811		MLNA	COMADD,LAC&10	12	29968	D3679030081/
3812		MLNA	COMADD,NAC&10	12	29980	D3679030112/
3813		MLNA	COMADD,PAC&10	12	29992	D3679030143/
3814		MLNA	COMADD,RAC&10	12	30004	D3679030174/
3815		MLNA	COMADD,TAC&10	12	30016	D3679030205/
3816		MLNA	COMADD,VAC&10	12	30028	D3679030236/
38199	*					
3820	JAC	BW	KAC,0	12	30040	V30059000001
3821		B	LAC	7	30052	J30071
3822	KAC	MLCA	S2SB-8,ISCHAR-2	12	30059	D3353133054T
38229	*		PLACE WM IN ISCHAR			WM--
3823	LAC	BDE	MAC,0,-	12	30071	W3009000000-

PGLIN	LABEL	OPCOD	OPERAND	CT	ADDRS	INSTRUCTION
3824		B	NAC	7	30083	J30102
3825	MAC	MLCS	CON1,SEARCH-5	12	30090	D36209367803
3826	NAC	BBE	DAC,0,8	12	30102	W3012100000B
3827		B	PAC	7	30114	J30133
3828	CAC	MLCS	CON1,SEARCH-4	12	30121	D36209367813
3829	PAC	BBE	QAC,0,8	12	30133	W30152000008
3830		B	RAC	7	30145	J30164
3831	CAC	MLCS	CON1,SEARCH-3	12	30152	D36209367823
3832	KAC	BBE	SAC,0,4	12	30164	W30183000004
3833		B	TAC	7	30176	J30195
3834	SAC	MLCS	CON1,SEARCH-2	12	30183	D36209367833
3835	TAC	BBE	UAC,0,2	12	30195	W30214000002
3836		B	VAC	7	30207	J30226
3837	UAC	MLCS	CON1,SEARCH-1	12	30214	D36209367843
3838	VAC	BBE	WAC,0,1	12	30226	W30245000001
3839		B	LOOKUP	7	30238	J30257
3840	WAC	MLCS	CON1,SEARCH	12	30245	D36209367853
38449	*					
3845	LOOKUP	LE	SEARCH,TLETAB	12	30257	T36785367792
3846		SBR	PLACIS&5	7	30269	G30281B
3847	PLACIS	MLCS	00000,ISCHAR	12	30276	D00000330563
3848	SEARET	B	00000	7	30288	J00000
3999	*					
4000	*					
4001	*					
4002	CPTSET	NOP	SECTIONS 6-7 8-9 10-11 COMPLEMENTING SETUP AREA	1	30295	N
40149	*					
4015	SLASH	BBE	SABRE,CMPFDA,/	12	30296	W3033936900/
40159	*		MUST BE SECTION 7,9,OR 11 - CHAR IS BL,EP,OR @			
4016		BCE	SWORDL,CMPFDA,	12	30308	B3035136900
4017		BCE	SWORDH,CMPFDA,;	12	30320	B3036936900.
4018		B	SWORDH	7	30332	J30369
40189	*		MUST BE SECTION 6,8,OR 10 - CHAR IS GM,V,OR C			
4019	SABRE	BCE	SWORDH,CMPFDA,M	12	30339	B3036936900M
40199	*		MUST BE V OR C			
4020	SWORDL	SW	CMPFDA&1,CMPFDA&2	11	30351	,3690136902

PGLIN	LABEL	OPCOD	OPERAND	CT	ADDRS	INSTRUCTION
4021		B	RESALT	7	30362	J30380
4022	SWOROH	SW	CMPFDBE1,CMPFDBE2	11	30369	,3710137102
40248	*					
40249	*					
4025	RESALT	CW	ALTER1E1,ALTER2E1	11	30380	03046930520
4026	*	CW	ALTER3E1,ALTER4E1	11	30391	03099231171
4027		MLNA	C0001,HBLASTG10	12	30402	D3380130486/
4028		MLNA	C0001,LBLASTG10	12	30414	D3380130505/
4029		MLNA	C0C01,FILTERE5	12	30426	D3380130512/
4030		MLNA	C0001,RECPILG10	12	30438	D3380131188/
4031		MLNA	C0001,RECPIMG10	12	30450	D3380131207/
4032		CW	SHIFTE1	6	30462	031439
40348	*					
40349	*					
4035	ALTER1	NOPWM		1	30468	N
4036		B	LBLAST	7	30469	J30495
40369	*					
4037	HBLAST	MLCWS	CMPFDBE2,0C001	12	30476	D37102000017
4039		B	FILTER	7	30488	J30507
40399	*					
4040	LBLAST	MLCWS	CMPFDAE2,00001	12	30495	D36902000017
40449	*					
4045	FILTER	MLCWS	00001,CATCH	12	30507	D00001336207
40498	*					
40499	*					
4050	ALTER2	NOPWM		1	30519	N
4051		B	SETLOW	7	30520	J30546
4052		MLCS	CMPFDB,SGLCMP&11	12	30527	D37100306283
4053		B	VALSET	7	30539	J30558
4054	SETLOW	MLCS	CMPFDA,SGLCMP&11	12	30546	D36900306283
40549	*					
4055	VALSET	CW	REGENTE1	6	30558	030978
4056		SW	SGLCMP&6,WMCHK&6	11	30564	,3062330649
4057		MLNWB	FILTERE5,SGLCMP&10	12	30575	D3051230627N
4059		MLNWB	SGLCMP&10,WMCHK&10	12	30587	D3062730653N
40593	*					

RESET BINARY SHIFT SWITCH

ALTERNATE SWITCH-1

ONE CHAR CMLPMT H-L

ONE CHAR CMLPMT L-H

ONE CHAR FILTER MOVE

ALTERNATE SWITCH-2

SET HCMP CHAR D MOD

SET LCMP CHAR D MOD

RESET REGENT SW

SET SGLCMP B ADDR

SET WMCHK B ADDR

PGLIN	LABEL	OPCODE	OPERAND	CT	ADDRS	INSTRUCTION
40594	ZADBYP	C	SGLCMP&10,ZERODES	11	30599	C3062733796
40595	*	BE	REGENT	7	30610	J30977S
40599	*	BCE	WMCHK,00000,M ^G	12	30617	B3064300000M ^G
4060	SGLCMP	B	UNEQL	7	30629	J30700
4061	*	B	BYPRG	7	30636	J30965
4062	WMCHK	BM	WMUP,00000	12	30643	V30681000001
40649	*	BCE	BYPRG,SGLCMP&11,8	12	30655	W30965306288
4065	*	B	WMDROP	7	30667	J30817
4066	*	B	BYPRG	7	30674	J30965
4067	WMUP	BCE	WMPICK,SGLCMP&11,8	12	30681	W30891306288
4068	*	B	BYPRG	7	30693	J30965
40798	*	SBR	VARRET65	7	30700	G24297B
40799	*	MLCA	BLITZ,BITTER	12	30707	D3360333066T
4080	UNEQL	MLCA	BLITZ-4,ISCHAR	12	30719	D3359933056T
4081	*	MLNB	SGLCMP&10,COMADD	12	30731	D3062736790J
4082	*	BCE	UNEQL1,SGLCMP&11,8	12	30743	W30786306288
4083	*	B	CHAR IS BLANK,V,OR C - IF NO 8	12	30755	B2391630628
40839	*	BCE	S28B,SGLCMP&11,	12	30767	B2399630628V
4084	*	B	S68B	7	30779	J29197
40849	*	BCE	S38B,SGLCMP&11,V	12	30786	B2383630628M ^G
4085	*	B	MUST BE C	12	30798	B2407630628.
4086	UNEQL1	B	S78B	7	30810	J29277
4087	*	BCE	S18B,SGLCMP&11,M ^G	12	30817	G24297B
40879	*	BCE	S48B,SGLCMP&11,0	12	30824	D3360333066T
4088	UNEQL1	B	MUST BE @	12	30836	D33591330593
4089	*	B	CHAR IS GM,EX PT,OR @- IF 8 BIT	12	30848	D3065336790J
4090	*	B	TEST FOR GM	7	30810	J29277
40998	*	B	TEST FOR EX PT	12	30786	B2383630628M ^G
40999	*	B	MUST BE @	12	30798	B2407630628.
4100	WMDROP	SBR	VARRET65	7	30817	G24297B
4101	*	MLCA	BLITZ,BITTER	12	30824	D3360333066T
4102	*	MLCS	DROP,BITTER-7	12	30836	D33591330593
4103	*	MLNB	WMCHK&10,COMADD	12	30848	D3065336790J
41049	*					

PGLIN	LABEL	OPCOD	OPERAND	CT	ADDRS	INSTRUCTION
4105		BCE	DWM4,SGLCMP&11,	12	30860	B2964930628
4106		BCE	DWM3,SGLCMP&11,V	12	30872	B2963030628V
4107		B	DWM23	7	30884	J29611
41098	*					
41099	*					
4110	WMPICK	SBR	VARRET&5	7	30891	G24297B
4111		MLCA	BLITZ,BITTER	12	30898	D3360333066T
4112		MLCS	PICK,BITTER-7	12	30910	D33590330593
4113		MLNB	WMCHK&10,COMADD	12	30922	D3065336790J
41149	*					
4115		BCE	PWM4,SGLCMP&11,M ^G	12	30934	B2950730628M ^G
4116		BCE	PWM3,SGLCMP&11,°	12	30946	B2948830628°
4117		B	PWM23	7	30958	J29469
41199	*					
4130	BYREG	BCE	ALTER4,TAD12,1	12	30965	B31170210121
4140	REGEN	NOPWM		1	30977	N
4141		B	REGMOD	7	30978	J31079
4142		SW	REGENT&1	6	30985	°30978
41449	*					
4145	ALTER3	NOPWM	SETUP REGEN LINE CHK CHAR ADDR & SW-S	1	30991	N
4146		B	SETHI	7	30992	J31018
4147		MLCS	CMPFDA,SGLCMP&11	12	30999	D36900306283
4148		B	*&13	7	31011	J31030
4149	SETHI	MLCS	CMPFDB,SGLCMP&11	12	31018	D37100306283
41499	*					
4150		CW	REGSN0&1,REGSW1&1	11	31030	D3108131114
4155		BNQ	ITR	7	31041	J21100Q
4156		BBE	SAC1,FILTER&1,1	12	31048	W31073305081
4157		SW	REGSN0&1	6	31060	°31081
4158		B	REGSWO	7	31066	J31080
4158	SAC1	SW	REGSW1&1	6	31073	°31114
41799	*					
4180	REGMCD	NOP		1	31079	N
41849	*					
4185	REGSWO	NOPWM	REGENERATION LINE CHAR CHK SWITCHES	1	31080	N
4186		B	REGSN1	7	31081	J31113

S

PGLIN	LABEL	OPCOD	OPERAND	CT	ADDRS	INSTRUCTION
4187		SW	REGSW0&1	6	31088	,31081
4188		MLNS	SI-1,TTHFIX	12	31094	D36280336181
4189		B	REGFIX	7	31106	J31139
41899						
4190	REGSW1	NOPWM		1	31113	N
4191		B	ALTER4	7	31114	J31170
4192		SW	REGSW1&1	6	31121	,31114
4193		MLNS	SI,TTHFIX	12	31127	D36281336181
41949						
4195	REGFIX	MLNS	TTHFIX,SGLCMP&6	12	31139	D33618306231
4196		MLNS	TTHFIX,WMCHK&6	12	31151	D33618306491
4197		B	ZACBYP	7	31163	J30599
42398						
42399						
4240	ALTER4	NOPWM		1	31170	N
4241		B	RECPTH	7	31171	J31197
4242	RECPTL	MLCWS	CMPFDA&2,0C001	12	31178	D36902000017
4244		B	DBLINC	7	31190	J31209
4245	RECPTH	MLCWS	CMPFDB&2,00001	12	31197	D37102000017
42499						
4250	CBLINC	CW	REGENT&1	6	31209	B30978
4251		C	FILTER&5,NINES	11	31215	C3051233791
4252		BE	FITTH	7	31226	J31302S
42529						
4253	AD0002	A	CON1,HBLAST&10	11	31233	A3620930486
4254		A	CON1,LBLAST&10	11	31244	A3620930505
4255		A	CON1,FILTER&5	11	31255	A3620930512
4256		A	CON1,RECPTL&10	11	31266	A3620931188
4257		A	CON1,RECPTH&10	11	31277	A3620931207
4258		BNQ	ITR	7	31288	J21100Q
4258		B	ALTSET	7	31295	J31321
42649						
4265	FITTH	BCE	CPYCLT,FILTER&1,1	12	31302	B31516305081
4271		B	AD0002	7	31314	J31233
42999						
4300	ALTSET	BCE	ALSO1,FILTER&5,5	12	31321	B31352305125

PGLIN	LABEL	OPCODE	OPERAND	TEST FOR	CT	ADDRS	INSTRUCTION
4301		BCE	ALSO2,FILTER&5,0	TEST FOR ----0	12	31333	831383305120
4302		B	ALTER1	NO SHIFT	7	31345	J30468
4303	ALSO1	BCE	SHIFT,FILTER&4,2	SHIFT IF ---2-	12	31352	831438305112
4304		BCE	SHIFT,FILTER&4,7	SHIFT IF ---7-	12	31364	831438305117
4305		B	ALTER1	NO SHIFT	7	31376	J30468
4306	ALSO2	BCE	ALSO3,FILTER&4,0	TEST FOR ----0-	12	31383	831402305110
4307		B	ALTER1	NO SHIFT	7	31395	J30468
4308	ALSO3	C	FILTER&3,C25	TEST FOR -25--	11	31402	C3051036325
4309		BE	ALTER1	NO SHIFT	7	31413	J30468S
4310		C	FILTER&3,C75	TEST FOR -75--	11	31420	C3051036327
4311		BE	ALTER1	NO SHIFT	7	31431	J30468S
43199	*			SHIFT			
4320	SHIFT	NOPWM		BINARY SHIFT SWITCH	1	31438	N
4321		B	CLALT		7	31439	J31481
43219	*						
4322		SW	SHIFT&1	SET SHIFT SW	6	31446	,31439
4323		SW	ALTER1&1,ALTER2&1	SET ALL ALTERNATE SWITCHES	11	31452	,3046930520
4324		SW	ALTER3&1,ALTER4&1		11	31463	,3099231171
4325		B	ALTER1		7	31474	J30468
4326	CLALT	CW	SHIFT&1	RESET SHIFT SW	6	31481	□31439
4327		CW	ALTER1&1,ALTER2&1	RESET ALL ALTERNATE SWITCHES	11	31487	□3046930520
4328		CW	ALTER3&1,ALTER4&1		11	31498	□3099231171
4329		B	ALTER1		7	31509	J30468
43498	*						
43499	*						
4350	CPTCLT	NCP		STRATEGIC INQUIRY-----	1	31516	N
4379	BYTYPE	BNQ	ITR	TYPE S-XXC IF TAD6 UP	7	31517	J21100Q
4380		BCE	*&13,TAD6,1		12	31524	831548210061
4381		BCE	TABTES,TADC,1	BYPASS S-XXC T-O IF TADO UP	12	31536	831565210001
4382		WCP	SECCIN	TYPE S-XXC	10	31548	M8T033118M
43829	*	BA1	*-16		7	31558	R31548M
4383	TABTES	MRCWG	SECCIN&2,LEASEC		12	31565	03312033860L
4384		BCE	TABPRT,TAD6,1	PRINT TAB IF TAD6UP	12	31577	826546210061
43999	*						
4400	SC11RE	NOPWM		S-11C SWITCH	1	31589	N

PGLIN	LABEL	OPCOD	OPERAND	CT	ADDRS	INSTRUCTION
4401		B	REPL1C	7	31590	J31724
4402	SC10RE	NCPWM		1	31597	N
4403		B	REPL0C	7	31598	J31705
4404	SC9RE	NCPWM		1	31605	N
4405		B	REP9C	7	31606	J31686
4406	SC8RE	NCPWM		1	31613	N
4407		B	REP8C	7	31614	J31667
4408	SC7RE	NCPWM		1	31621	N
4409		B	REP7C	7	31622	J31648
44149	*					
4415		BCE	S6SET,TAD1,1	12	31629	827554210011
4416		B	S7SET	7	31641	J27632
4417	REP7C	BCE	S7SET,TAD1,1	12	31648	827632210011
4418		B	S8SET	7	31660	J27716
4419	REP8C	BCE	S8SET,TAD1,1	12	31667	827716210011
4420		B	S9SET	7	31679	J27800
4421	REP9C	BCE	S9SET,TAD1,1	12	31686	827800210011
4422		B	S10SET	7	31698	J27884
4423	REP10C	BCE	S10SET,TAD1,1	12	31705	827884210011
4424		B	S11SET	7	31717	J27968
4425	REP11C	BCE	S11SET,TAD1,1	12	31724	827968210011
4426		B	S12SET	7	31736	J28052
4498	*					
44999	*					
4501	HAFSEL	MLNA	SECTS 12-13 HALF SELECT CORE BEAT AREA	12	31743	03627431808/
4502		MLNA	BEATO,TBA0610 SET ALL TBA B ADDRS	12	31755	03627931796/
45049	*					
45099	*					
4510	BCTSET	MLNB	TEST ADDRESS BEAT AREA	12	31767	03680833630J
		BNQ	BEACON,BEATCT SET TEST BEAT COUNTER	7	31779	J21100Q
			ITR STRATEGIC INQUIRY-----			
45199	*					
4527	T8A1	MLCWS	CONS12,10050 ONE CHAR BEAT- TBA	12	31786	036193100507
4528	T8A0	MLCWS	CONS12,00050	12	31798	036193000507
45299	*					
4530		S	CON1,BEATCT REDUCE BEAT CTR BY 1	11	31810	S3620933630
4531		BZ	YAXSET EXIT- IF 00	7	31821	J31842V

PGLIN	LABEL	OPCOD	OPERAND	INQUIRY	CT	ADDRS	INSTRUCTION
S				STRATEGIC INQUIRY-----			
4532		BNQ	ITR		7	31828	J21100Q
45399	*	B	TBA1		7	31835	J31786
4540	YAXSET	MLNB	TBA0&10,CURREN	SETUP X BASE FOR Y AXIS CHECK	12	31842	D3180836803J
4542		MLNA	MELCTR,CTR2	SET CURRENT TBA IN REF AREA	12	31854	D3361733623/
4543		SW	WAX&6	SET MEM SIZE CTR TO 2	6	31866	,32037
4544		MLNA	CURREN,SAX&1C	SET SAX X--XX ORDERS	12	31872	D3680332015/
4545		MLNA	CON1-3,SAX&8	SET SAX -XX-- ORDERS TO 00	12	31884	D3620632013/
4547		MLNWB	SAX&10,WAX&10	SET WAX TO SAX	12	31896	D3201532041N
4550		CW	YAXINK&1		6	31908	032179
4551		B	SAXBYP		7	31914	J31969
45549	*			SETUP Y BASE FOR X AXIS CHECK			
4555	XAXSET	SW	YAXINK&1		6	31921	,32179
4556		SW	WAX&6		6	31927	,32037
4557		MLNA	CON1-3,SAX&10	SET SAX ---XX ORDERS TO 00	12	31933	D3620632015/
4558		MLNA	CURREN-2,SAX&8	SET SAX XXX-- ORDERS	12	31945	D3680132013/
4560		MLNWB	SAX&10,WAX&10	SET WAX TO SAX	12	31957	D3201532041N
45648	*						
45649	*						
4570	SAXBYP	C	SAX&10,CURREN	CMP SAX B ADDR TO CURRENT TBA	11	31969	C3201536803
4571		BE	YAXINK	BYPASS CHAR CHK- IF EQUAL	7	31980	J32178S
4572		C	SAX&10,ZER0ES	CHK SAX B ADDR FOR 00000	11	31987	C3201533796
4573		BE	STACK	BYPASS CHK- IF EQL	7	31998	J32088S
45749	*						
4575	SAX	BCE	WAX,00000,	TEST ALL LINE CHARS FOR NO CHANG	12	32005	03203100000
4576		B	SAXERR	ERROR- THIS CHAK	7	32017	J32644
4577		B	STACK		7	32024	J32088
45799	*						
4580	WAX	BW	WAX8L,00000	TEST ALL LINE WM-S FOR NO CHANGE	12	32031	V32069000001
4581		BCE	STACK,SAX&11,M	TEST SAX D MOD FOR GM- OK IF EQL	12	32043	B3208832016M
4582		B	WAXDRP	ERROR- WM DOWN ON BLANK	7	32055	J32756
4583		B	STACK		7	32062	J32088
4584	WAX8L	BCE	STACK,SAX&11,	TEST SAX D MOD FOR 8L- OK IF EQL	12	32069	B3208832016
4585		B	WAXPIK	ERROR- WM UP ON GM	7	32081	J32706
45999	*						
4603	STACK	S	S1,CTR2	REDUCE 2 CTR CONTS BY 1	11	32088	S3628133623

PGLIN	LABEL	OPCOD	OPERAND	CT	ADDRS	INSTRUCTION
4604		BZ	RESTO	7	32099	J32142V
		BNQ	ITR	7	32106	J21100Q
4607		A	S1,SAX&6	11	32113	A3628132011
4608		A	S1,WAX&6	11	32124	A3628132037
4609		B	SAX	7	32135	J32005
46149		MLNS	CURREN-4,SAX&6	12	32142	D36799320111
4619	RESTO	MLNS	CURREN-4,WAX&6	12	32154	D36799320371
4620		MLNA	MELCTR,CTR2	12	32166	D33617336237
4621						
46249		NOPWM		1	32178	N
4625	YAXINK	B	XAXINK	7	32179	J32233
4626						
46299		C	SAX&8,NINES-2	11	32186	C3201333789
4630		BE	XAXSET	7	32197	J31921S
4631						
46329		A	S1,SAX&8	11	32204	A3628132013
4633		A	S1,WAX&8	11	32215	A3628132039
4634		B	SAXBYP	7	32226	J31969
4635						
46399		C	SAX&10,NINES-2	11	32233	C3201533789
4640	XAXINK	BE	RESTBA	7	32244	J32280S
46402		A	S1,SAX&10	11	32251	A3628132015
4641		A	S1,WAX&10	11	32262	A3628132041
4642		B	SAXBYP	7	32273	J31969
4643						
46599		SW	TRESCO&6	6	32280	J32347
4660	RESTBA	MLNWB	TBAO&10,TRESCO&10	12	32286	D3180832351N
4661		BCE	TRESB&SAX&11	12	32298	B3232932016
4663		MLNA	&CONS12,TRESCO&5	12	32310	D3738532346/
4664		B	*613	7	32322	J32341
4665		MLNA	&CONS13,TRESCO&5	12	32329	D3739032346/
4666	TRESB&					
46699		MLCHS	CONS13,00001	12	32341	D36194000017
4670	TRESCO					
46729		S	S1,CTR2	11	32353	S3628133623
4673	SUBTRE					

S

PGLIN	LABEL	OPCOD	OPERAND	EXIT- IF 00	CT	ADDRS	INSTRUCTION
4674		BZ	TBANK	EXIT- IF 00	7	32364	J32396V
4675		A	S1,TRESCO&6	ADD 1 TO 1TH ORDER	11	32371	A3628132347
		BNQ	ITR	STRATEGIC INQUIRY	7	32382	J21100Q
4676		B	TRESCO		7	32389	J32341
46999	*		TEST BEAT ADDR INCREMENT AREA				
4700	TBANK	C	TBA0&8,NINES-2	TEST TBA FOR -99--	11	32396	C3180633789
4701		BE	SCMPLT	SECTION COMPLETE	7	32407	J24602S
4702	MLNB	TBA0&8,CACHE		MOVE TBA -XX-- TO CMP AREA	12	32414	D3180636329J
47029	*						
4703		A	S1,CURREN-2	ADD 1 TO -XX--	11	32426	A3628136801
47032		A	S1,CACHE	ADD 1 TO CACHE	11	32437	A3628136329
4704		C	C25,CACHE	TEST FOR -25--	11	32448	C3632536329
4705		BH	TEST50	HI	7	32459	J32491U
4706		BE	UPS25	EQL	7	32466	J32566S
4707	UPADD1	A	S1,CURREN	ADD 1 TO ----XX	11	32473	A3628136803
4708		B	UPDATE		7	32484	J32613
47089	*						
4709	TEST50	C	C50,CACHE	TEST FOR -50--	11	32491	C3631536329
4710		BF	TEST75	HI	7	32502	J32534U
4710		BE	UPS50	EQL	7	32509	J32584S
4712	UPSUB1	S	S1,CURREN	SUB 1 FROM ----XX	11	32516	S3628136803
4713		B	UPDATE		7	32527	J32613
47139	*						
4714	TEST75	C	C75,CACHE	TEST FOR -75--	11	32534	C3632736329
4715		BF	UPSUB1	HI	7	32545	J32516U
4716		BE	UPS75	EQL	7	32552	J32602S
4717		B	UPADD1		7	32559	J32473
47179	*						
4718	UPS25	S	C25,CURREN	SUB 25 FROM ----XX	11	32566	S3632536803
4719		B	UPDATE		7	32577	J32613
4720	UPS50	A	C50,CURREN	ADD 50 TO ----XX	11	32584	A3631536803
4721		B	UPDATE		7	32595	J32613
4722	UPS75	S	C75,CURREN	SUB 75 FROM ----XX	11	32602	S3632736803
47229	*						
4723	UPDATE	MLNA	CURREN,TBACC10	UPDATE TBA B ADDR-S	12	32613	D3680331808/
4724		MLNA	CURREN,TBA1&10		12	32625	D3680331796/

S

PGLIN	LABEL	OPCOD	OPERAND	CT	ADDRS	INSTRUCTION
4729		B	BCISET	7	32637	J31767
47499	*					
4750	SAXERR	SBR	VARRET65	7	32644	G24297B
4751		MLNB	SAX&10,COMADD	12	32651	D3201536790J
4752		MLCA	BLITZ,BITTER	12	32663	D3360333066T
4753		MLCA	BLITZ-4,ISCHAR	12	32675	D3359933056T
4754		BCE	SIHH,SAX&11,M	12	32687	B2383632016M
4755		B	S28B	7	32699	J23916
47599	*					
4760	WAXPIK	SBR	VARRET65	7	32706	G24297B
4761		MLNB	WAX&10,COMADD	12	32713	D3204136790J
4762		MLCA	BLITZ,BITTER	12	32725	D3360333066T
4763		MLCS	PICK,BITTER-7	12	32737	D33590330593
4764		B	PWM4	7	32749	J29507
47699	*					
4770	WAXDRP	SBR	VARRET65	7	32756	G24297B
4771		MLNB	WAX&10,COMADD	12	32763	D3204136790J
4772		MLCA	BLITZ,BITTER	12	32775	D3360333066T
4773		MLCS	DROP,BITTER-7	12	32787	D33591330593
4774		B	DWM4	7	32799	J29649
4775		H		1	32806	.
89998	*					
89999	*					
9000		ORG	*EX00		32900	
9001	TEMPOR	DS	1		32900	
9002		DS	139		33039	
90029	*					
9003	ERRADD	DC	a00000a	5	33044	
9004		DC	a a	2	33046	
9005	SBCCHAR	DC	a-----a	4	33050	
90054		DC	a a	2	33052	
9006	ISCHAR	DC	a-----a	4	33056	
90064		DC	a a	2	33058	
9007	BITTER	DC	a-----a	8	33066	
90074		DC	a a	2	33068	
9008		DC	aCH-a	3	33071	

DATA AND CONSTANT FIELD AREAS

PGLIN	LABEL	OPCOD	OPERAND	CT	ADDRS	INSTRUCTION
90082	CHARNO	DCW	@a@	1	33072	
90083		DC	@	2	33074	
90084		DC	@SS-a	3	33077	
90085	SENSEG	DC	@	1	33078	
90086		DC	@	2	33080	
90087		DC	@Z-a	2	33082	
90088	ZDRIVE	DCW	@	1	33083	
90089		DC	@	2	33085	
9009	XSG	DC	@XSG-0a	5	33090	
90094		DC	@	2	33092	
9010	XWC	DC	@XWO-0a	5	33097	
90104		DC	@	2	33099	
9011	YSG	DC	@YSG-0a	5	33104	
90114		DC	@	2	33106	
9012	YWO	DC	@YWO-0a	5	33111	
9015	GM	DCW	@Ma	1	33112	
9019						
9020	SECONO	DC	@S- a,G	4	33113	
9021	SECCIN	DC	@S- Ca,G	5	33118	
9030	TESTS	DC	@TESTS 000C1-19999 AREA OFa,G	25	33124	
9032	MEMSIZ	DC	@ 40K MEMORYa,G	11	33150	
90323	PARITY	DC	@IF PARITY ERRORS EXIST-a,G	23	33162	
9033	RESTAT	DC	@SET CHECK CONTROL SWITCH TO RESTARTa,G	35	33186	
9034	INHIB	DC	@SET PRINT CONTROL SWITCH TO INHIBITa,G	35	33222	
9035	STATUS	DC	@TAD STATUS-a,G	11	33258	
9038	EXMESS	DC	@RESET CHK & PRINT CNTRL SW TO NORMALa,G	36	33270	
9040	AUTSEC	DC	@AUTO SECT SELa,G	13	33307	
9042	ENTER	DC	@ENTER 2 DIGIT SECTION #a,G	23	33321	
9050	QCKRUN	DC	@QUICK RUNa,G	9	33345	
9060	S5ERTY	DC	@A-00000,C-00000a,G SECTION 5- ERROR T-0	15	33355	
9070	PASS	DC	@PASS a	5	33371	
9071	PASSCT	DCW	@000- CS44a,G	9	33376	
9080	NOERTA	DC	@NO ERRORS TABULATEDa,G	19	33386	
9082	NOTPER	DC	@NO TABULATION PERFORMEDa,G	23	33406	
9084	NOBFS	DC	@NO CHAN PRINTER AND/OR BUFF SIZE SPEC ON CTL C0a,G	47	33430	
9090	REPERR	DC	@REPEATING ERROR ADDR- a	22	33478	

PGLIN	LABEL	OPCOD	OPERAND	CT	ADDRS	INSTRUCTION
9091	REPACD	DCW	200000a	5	33504	
90914		DC	a a	2	33506	
9092	REPX	DC	2XWO-a	4	33507	
9093	REPXWO	DCW	20a	1	33511	
90954		DC	a a	2	33513	
9096	REPY	DC	2YWO-a	4	33514	
9097	REPYWO	DCW	20a G	1	33518	
90994		DCW	2Ma	1	33519	
9101	*					
9102	S1SB	DCW	a---H MM-Pa G	10	33529	
9103	S2SB	DCW	2MML --BLa	10	33539	
9104	S3SR	DCW	2MM-V ---Va	10	33549	
9105	S4SB	DCW	a---: MM-!a	10	33559	
91052	S6SB	DCW	2MM-C ---Ca	10	33569	
91054	S7SB	DCW	a---a MM-aa	10	33579	
9106	S5AQR	DCW	200000a	5	33584	
9110	CHAN1	DC	2za PERCENT- CHAN 1 NON-OVERLAP X CTL CHAR	1	33585	
91102	CHAN1B	DCW	2Ra CHAN 1 I/O BRANCH OP	1	33586	
9111	CHAN2	DC	2aa LOZENGE- CHAN 2 NON-OVERLAP X CTL CHAR	1	33587	
91112	CHAN2B	DCW	2Xa CHAN 2 I/O BRANCH OP	1	33588	
91115	NOPERA	DCW	2Na	1	33589	
9120	PICK	DC	2Pa	1	33590	
9121	DROP	DC	2Da	1	33591	
91212	BSEG	DC	2Ba	1	33592	
91214	NUFOUR	DCW	24a	1	33593	
91216	Z059	DCW	259a	2	33595	
9122	BLITZ	DCW	a-----a	8	33603	
9125	BLANKS	DCW	a a TEN BLANKS	10	33613	
9130	MESCTR	DCW	200a MEMORY SIZE TAB DIGITS	2	33615	
9132	MELCTR	DCW	200a S-12 S-13 MEM LIM SIZE CTR	2	33617	
9152	TTHFIX	DC	a a	1	33618	
9155	CATCH	DC	a--a RECEIPT AREA FOR CMLPT FILTER MOVES	2	33620	
9160	CORREC	DC	a-a CORRECTION CHAR STORAGE AREA	1	33621	
9165	CTR2	DCW	200a TWO POSITION COUNTER	2	33623	
9166	BITCTR	DCW	20Ca	2	33625	
9168	BEATCT	DCW	200000a	5	33630	

PGLIN	LABEL	OPCODE	OPERAND	CT	ADDRS	INSTRUCTION
9368	XSG7	DC	aG7-a	3	34819	
93682		DCW	a	40	34861	
93684	GATE7	DC	a	40	34901	
93685		DCW	aMa	1	34902	
9369	XSG8	DC	aG8-a	3	34903	
93692		DCW	a	40	34945	
93694	GATE8	DC	a	40	34985	
93695		DCW	aMa	1	34986	
9370	XSG9	DC	aG9-a	3	34987	
93702		DCW	a	40	35029	
93704	GATE9	DC	a	40	35069	
93705		DCW	aMa	1	35070	
93719						
9372	LEACHO	DC	aXW a	3	35071	
93722		DCW	aYM P-0-D	40	35113	P-3-D P-4-Da
93724	MOLEAD	DC	a	40	35153	P-5-D P-6-D P-7-D P-8-D P-9-Da
93725		DCW	aMa	1	35154	
9373	XW00	DC	aW0-a	3	35155	
93732		DCW	a	40	35197	
93734	WIND0	DC	a	40	35237	
93735		DCW	aMa	1	35238	
9374	XW01	DC	aW1-a	3	35239	
93742		DCW	a	40	35281	
93744	WIND1	DC	a	40	35321	
93745		DCW	aMa	1	35322	
9375	XW02	DC	aW2-a	3	35323	
93752		DCW	a	40	35365	
93754	WIND2	DC	a	40	35405	
93755		DCW	aMa	1	35406	
9376	XW03	DC	aW3-a	3	35407	
93762		DCW	a	40	35449	
93764	WIND3	DC	a	40	35489	
93765		DCW	aMa	1	35490	
9377	XW04	DC	aW4-a	3	35491	
93772		DCW	a	40	35533	
93774	WIND4	DC	a	40	35573	

CT ADDR INSTRUCTION

S-13 M-----

LABEL OPCOD OPERAND

PGLIN

PGLIN	LABEL	OPCOD	OPERAND	CT	ADDR	INSTRUCTION
9415	CONSL3	DCW	a a	1	36194	
9449	*					
9450	NUMSEQ	DC	a1234567890a	10	36204	
9451	CON1	DCW	a00001a	5	36209	
9452	CON2	DCW	a00002a	5	36214	
9454	CON4	DCW	a00004a	5	36219	
9455	CON5	DCW	a00005a	5	36224	
9456	CON6	DCW	a00006a	5	36229	
9457	CON8	DCW	a00008a	5	36234	
9458	CON9	DCW	a00009a	5	36239	
9461	CON100	DCW	a00100a	5	36244	
9470	CN024	DCW	a00024a	5	36249	
9471	CN027	DCW	a00027a	5	36254	
9472	CN051	DCW	a00051a	5	36259	
9480	CN0078	DCW	a00078a	5	36264	
9484	CON84	DCW	a00084a	5	36269	
9490	BEATO	DCW	a00050a	5	36274	
9491	BEATI	DCW	a10050a	5	36279	
9500	*					
9501	S1	DCW	a01a	2	36281	
9502	S2	DCW	a02a	2	36283	
9503	S3	DCW	a03a	2	36285	
9504	S4	DCW	a04a	2	36287	
9505	S5	DCW	a05a	2	36289	
9506	S6	DCW	a06a	2	36291	
9507	S7	DCW	a07a	2	36293	
9508	S8	DCW	a08a	2	36295	
9509	S9	DCW	a09a	2	36297	
9510	S10	DCW	a10a	2	36299	
9511	S11	DCW	a11a	2	36301	
9512	S12	DCW	a12a	2	36303	
9513	S13	DCW	a13a	2	36305	
9514	S14	DCW	a14a	2	36307	
9515	S15	DCW	a15a	2	36309	
9517	S17	DCW	a17a	2	36311	
9519	S19	DCW	a19a	2	36313	

CT ADDR INSTRUCTION

PGLIN LABEL OPCOD OPERAND

9530	C50	DCW	2502	2	36315
9532	C24	DCW	2422	2	36317
95322	C28	DCW	2282	2	36319
95324	C30	DCW	2302	2	36321
9533	C32	DCW	2322	2	36323
9534	C25	DCW	2252	2	36325
9535	C75	DCW	2752	2	36327
9550	CACHE	DCW	2002	2	36329
9570	XRAG	DC	202	1	36330
9571	YRAG	DC	202	1	36331

64 CHARACTER-BIT CONFIGURATION LOOKUP TABLE

NO ZONED CHARS

9598	*	DCW	2-----2	7	36338
9599	*	DCW	21-----12	7	36345
95999	*	DCW	22-----1-2	7	36352
9600		DCW	23-----112	7	36359
9601		DCW	24-----1--2	7	36366
9602		DCW	25-----1-12	7	36373
9603		DCW	26-----11-2	7	36380
9604		DCW	27-----1112	7	36387
9605		DCW	28--1----2	7	36394
9606		DCW	29--1--12	7	36401
9607		DCW	20--1-1-2	7	36408
9608		DCW	24--1-112	7	36415
9609		DCW	22--11--2	7	36422
9610		DCW	2:--11-12	7	36429
9611		DCW	21--111-2	7	36436
9612		DCW	2M--11112	7	36443

A ZONED CHARS

9619	*	DCW	28-1-----2	7	36450
9620		DCW	2/-1-1-12	7	36457
9621		DCW	2S-1-1-1-2	7	36464
9622		DCW	2T-1-1-112	7	36471
9623		DCW	2U-1-1-1--2	7	36478
9624		DCW	2V-1-1-1-12	7	36485

PGLIN	LABEL	OPCOD	OPERAND	CT	ADDR	INSTRUCTION
9626		DCW	AW-1-11-a	7	36492	
9627		DCW	AX-1-111a	7	36499	
9628		DCW	AY-11---a	7	36506	
9629		DCW	AZ-11---1a	7	36513	
9630		DCW	A+-11-1-a	7	36520	
9631		DCW	A.-11-11a	7	36527	
9632		DCW	AZ-111--a	7	36534	
9633		DCW	AS-111-1a	7	36541	
9634		DCW	AS-1111-a	7	36548	
9635		DCW	AS-11111a	7	36555	
9639						
9640		DCW	a-1-----a	7	36562	
9641		DCW	aJ1-----1a	7	36569	
9642		DCW	aK1-----1-a	7	36576	
9643		DCW	aL1-----11a	7	36583	
9644		DCW	aM1-----1--a	7	36590	
9645		DCW	aN1-----1-1a	7	36597	
9646		DCW	aO1-----11-a	7	36604	
9647		DCW	aP1-----111a	7	36611	
9648		DCW	aQ1-----1---a	7	36618	
9649		DCW	aR1-----1--1a	7	36625	
9650		DCW	aS1-----1-1-a	7	36632	
9651		DCW	aT1-----1-11a	7	36639	
9652		DCW	aU1-----1-1--a	7	36646	
9653		DCW	aV1-----1-1-1a	7	36653	
9654		DCW	aW1-----1-11-a	7	36660	
9655		DCW	aX1-----1-111a	7	36667	
9659						
9660		DCW	aY11-----a	7	36674	
9661		DCW	aZ11-----1a	7	36681	
9662		DCW	aA11-----1-a	7	36688	
9663		DCW	aB11-----11a	7	36695	
9664		DCW	aC11-----1--a	7	36702	
9665		DCW	aD11-----1-1a	7	36709	
9666		DCW	aE11-----1-1-a	7	36716	
9667		DCW	aF11-----1-11a	7	36723	

B ZONED CHARS

BA ZONED CHARS

INSTRUCTION

PGLIN	LABEL	OPCOD	OPERAND	CT	ADDRS
9668		DCW	AM1111---a	7	36730
9669		DCW	AM1111--1a	7	36737
9670		DCW	AM1111-1-a	7	36744
9671		DCW	a-1111-11a	7	36751
9672		DCW	AM1111--a	7	36758
9673		DCW	AM1111-1a	7	36765
9674		DCW	AM111111-a	7	36772
9675	TLETAB	DCW	AM111111a	7	36779
9678	*				
9679	*				
9680	SEARCH	DCW	a-----a	6	36785
9684	*				
9690	COMADD	DCW	AM00000a	5	36790
9692	MTUACD	DCW	AM0000a	3	36793
9693	THORC	DCW	AMa	1	36794
9695	ACCUM	DCW	AM0000a	4	36798
9698	CURREN	DCW	AM00000a	5	36803
9700	BEACON	DC	AM01000a	5	36808
9909	*				
9910	PLUS	DC	a-----a	25	36809
9911		DCW	AMa	1	36834
9912	MINUS	DC	a-----a	25	36835
9913		DCW	AMa	1	36860
99198	*				
99199	*				
9920		ORG	CMP FIELD A- 100 CHARS		36900
9921	CMPFOA	DS	1		36900
9922		DS	98		36998
9923	CMPPLA	DS	1		36999
99249	*				
9925	SETUPA	DS	1		37000
9926		DS	99		37099
99298	*				
99299	*				
9931	CMPFCB	DS	1		37100
9932		DS	98		37198

COMMON USAGE AREA FOR ERROR ADDR
 HTU ORDERS OF CCGMP ADDR
 ERRADD TH ORDER
 TAB ACCUMULATOR FIELD
 PRESET S12-13 BEAT COUNT VALUE

CT ADDR INSTRUCTION

OPCOD OPERAND

LABEL

PGLIN

PGLIN	LABEL	OPCOD	OPERAND	CT	ADDR	INSTRUCTION
9933	CMPLAB	DS	1		37199	
99349	*		SETUP FIELD 8-- 100 CHARS			
9935	SETUP8	DS	1		37200	
9936		DS	99		37299	
9937		DS	1		37300	
99399	*					
S		END	20C0			J02000
			GATE0	5	37305	34313
			WIND0	5	37310	35237
			E01	5	37315	33991
			BITTER	5	37320	33066
			XSG0	5	37325	34231
			XW00	5	37330	35155
			ZBC	5	37335	36019
			HEAD	5	37340	33989
			LEAD	5	37345	33911
			TABCLA	5	37350	33702
			LEADER	5	37355	33835
			SGLEAD	5	37360	34229
			LEADSG	5	37365	34147
			TARGAG	5	37370	33782
			SSLEA	5	37375	36017
			LEADSS	5	37380	35995
			CONS12	5	37385	36193
			CONS13	5	37390	36194
			SETUPA	5	37395	37000
			SETUP8	5	37400	37200
			CMPLAA	5	37405	36999
			CMPLAB	5	37410	37199

END OF ASSEMBLY