

# DIAGNOSTIC FUNCTION TEST REPRODUCTION

## IBM DIAGNOSTIC FUNCTION TEST DESCRIPTIONS

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CHG. NO	CARD	115283	116745	117635	117628	TA 1976		

# DIAGNOSTIC FUNCTION TEST

## REPRODUCTION

### IBM DIAGNOSTIC FUNCTION TEST DESCRIPTIONS

#### 1401 DATA PROCESSING SYSTEM

#### INDEX OF PART NUMBERS FOR TEST DESCRIPTIONS AND CARD DECKS AND TAPE SELECTION DIGITS

BLOCK NUMBER	TEST TITLE	MFI	TAPE SELECTION DIGIT AND LOCATION	PART NO.
0050 B	TEST CHARACTER AND BRANCH	BA	NONE	451155
0060 B	TEST FOR ZONE OR WM AND BRANCH	BA	NONE	451156
0100 B	COMPARE AND BRANCH UNEQUAL	BA	NONE	451157
0110 B	LOAD MOVE COMPARE	BA	NONE	451158
0210 C	LOAD MOVE DIGIT ZONE	BA	NONE	451160
0230 B	MOVE AND ZERO SUPPRESS	BA	NONE	451162
0300 B	TRUE ADD	BA	NONE	451163
0310 B	COMPLEMENT AND RECOMPL ADD	BA	NONE	451164
344A 0330 B	RESET ADD AND SUBTRACT	BA	NONE	451166
0350 B	ZONE ADD	BA	NONE	451168
0360 B	BRANCH OVERFLOW	BA	NONE	451169
**0370 D	EDIT	BA	**	451170
**1000 B	READ PRINT PUNCH SPEED	BA	3 IN 1278	451635
1010 C	PRINT WORD MARKS	BA	1 IN 1261	451180
1020 B	RIPPLE PRINT	BA	1 IN 1261	451171
1022 B	NUMERICAL RIPPLE PRINT	NU	3 IN 1261	451478
1030 B	RIPPLE PUNCH	BA	1 IN 1262	451172
**1040 B	RIPPLE READ	BA	1 IN 1263	451173
	DO NOT PUT DETAIL CARDS ON TAPE			
1050 B	PRINT PUNCH	BA	1 IN 1261 & 1262	451174
1060 B	PRINT READ	BA	1 IN 1261 & 1263	451175
1070 B	READ PUNCH	BA	1 IN 1262 & 1263	451176
1080 B	PRINT READ PUNCH	BA	1 IN 1261, 1262 & 1263	451177
**2000 C	FORMS SPACING	BA	1 IN 1255	451178
**2005 A	SINGLE LINE SKIP	BA	1 IN 1255	451925
**2010 B	FORMS SKIPPING	BA	1 IN 1255	451179
**2020 C	CHANNEL 9 AND 12 LATCHES	BA	1 IN 1255	451181
2030 B	SPACE SUPPRESSION	XSS	1 IN 1255	451931
3000 C	MOVE AND BINARY DECODE	CH	1 IN 1256	451182
3010 C	MOVE AND BINARY CODE	CH	1 IN 1256	451183
3020 C	PUNCH COLUMN BINARY	CH	1 IN 1256	451184

\*OPTIONAL FE TU ES REQUIRED TO OPERATE TEST.  
 \*\*READ TEST DESCRIPTION BEFORE RUNNING TEST.  
 \*\*\*THE SELECTOR CODE IS ANY CHARACTER EXCEPT BLANK.

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PART NO. 451397  
SHEET 3 OF 5  
BLOCK NO. \_\_\_\_\_

BLOCK NUMBER	TEST TITLE	*MFI	TAPE SELECTION DIGIT AND LOCATION	PART NUMBER
**3030 C	READ COLUMN BINARY DO NOT PUT DETAIL CARDS ON TAPE	CH	1 IN 1256	451185
3040 C	BIT TEST	CH	1 IN 1256	451186
3100 D	INDEXING AND STORE STARS	IN	1 IN 1257	451187
3110 D	MOVE RECORD	IN	1 IN 1257	451189
3130 D	I-STAR TRANSFER	IN	1 IN 1257	451191
3200 D	MULTIPLY ENTER STORAGE SIZE	MD	1 IN 1258	451192
	1.4K		BLANK IN 1251	
	2K		1 IN 1251	
	4K		4 IN 1251	
	8K		8 IN 1251	
	2K		2 IN 1251	
	16K		6 IN 1251	
3210 B	DIVIDE	MD	1 IN 1258	451193
3300 B	BRANCH HIGH	HL	1 IN 1259	451198
3310 B	BRANCH LOW	HL	1 IN 1259	451199
3320 B	BRANCH EQUAL	HL	1 IN 1259	451200
3330 B	FIELD COMPARE	HL	1 IN 1259	451934
3350 C	READ + PUNCH RELEASE	FP	1 IN 1279	451201
**3502 B	PUNCH-FEED-READ RELEASE	FP + RP	1 IN 1272&1279	451566
**3504 A	PUNCH CHECK PLANE TEST FOR PFR OPERATION ENTER	BA	1 IN 1279	451928
**3600 E	PUNCH-FEED READ DO NOT PUT DETAIL CARDS ON TAPE	RP	1 IN 1272	451202
3700 B	MODIFY ADDRESS	8M, 12M, 16M	1 IN 1264	451481
3800 A	51-COLUMN READ	FCF	CARDS ONLY	451484
5000 C	CARD TO TAPE WRITE ON TAPE DRIVE 4.	MT	1 IN 1268&1263	451252
5010 C	TAPE TO PUNCH/PRINTER READ ON TAPE DRIVE 4.	MT	1 IN 1268, 1261 & 1262	451253
5020 C	TAPE TO TAPE READ ON TAPE DRIVE 4. WRITE ON TAPE DRIVE 5.	MT	1 IN 1267	451254
5030 C	BACKSPACE SKIP WRITE ON TAPE DRIVE 4.	MT	1 IN 1268	451255
5040 D	MOVE TAPE WRITE ON TAPE DRIVE 4.	MT	1 IN 1268	451256
5050 D	LOAD TAPE WRITE ON TAPE DRIVE 4.	MT	1 IN 1268	451257
5070 D	MOVE BINARY TAPE WRITE ON TAPE DRIVE 4.	MT	1 IN 1268	451259

\*OPTIONAL FEATURES REQUIRED TO OPERATE TEST.  
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DIAGNOSTIC FUNCTION TEST

PART NO. 451397  
SHEET 4 OF 5  
BLOCK NO.

REPRODUCTION

BLOCK NUMBER	TEST TITLE	*MFI	TAPE SELECTION, DIGIT AND LOCATION	P/ NUMBER
5080 C	VERTICAL REDUNDANCY CHECK WRITE ON TAPE DRIVE 4. READ ON TAPE DRIVE 4.	MT	1 IN 1268	451525
5300 E	WRITE TEST TAPE ROUTINE WRITE ON TAPE DRIVE 1. PUTS READ, COPY, AND OTHER TESTS ON TAPE. SENSE SWITCH A ON.	MT	CARDS ONLY	451260
5310 E	READ TEST TAPE ROUTINE READ ON DRIVE 1. FIRST PROGRAM ON TEST TAPE. CAUSES EXECUTION OF OTHER TESTS ON THE TAPE.	MT	NONE	451261
5320 E	COPY TEST TAPE ROUTINE READ FROM TAPE DRIVE 1. WRITE ON TAPE DRIVE 2. DUPLICATES REEL OF TEST TAPE.	MT	1 IN 1254	451262

1026A	MULTI TAPE LISTER B	STL		451 273
1025A	MULTI TAPE LISTER A	STL		451 7
5330 C	COMPRESSED TAPE READ AND EXPAND	CW	1 IN 1270	451263
5500 D	729 I R G MEASUREMENT RUN ON HIGH DENSITY. WRITE ON TAPE DRIVE 4. READ ON TAPE DRIVE 4.	MT	1 IN 1269	451265
5530 B	7330 I R G MEASUREMENT RUN ON HIGH DENSITY. WRITE ON TAPE DRIVE 4. READ ON TAPE DRIVE 4.	MT	1 IN 1253	451640
9200 A	STORAGE LISTING ROUTINES	BA		451 969
**9000 C	SELECT STACKER	BA	1 IN 1278	451197
**9010 D	BRANCH ON PRINTER ERROR	BA	4 IN 1278	451489
**9020 D	BRANCH ON PROCESS ERROR	BA	5 IN 1278	451516
**9030 D	BRANCH ON READER ERROR	BA	6 IN 1278	451519
**9040 C	DO NOT PUT DETAIL CARDS ON TAPE BRANCH ON PUNCH ERROR	BA	7 IN 1278	451522
**9100 F	CORE STORAGE WORST PATTERN ENTER STORAGE SIZE	BA	1 IN 1265	451195

1.4K	BLANK IN 1251
2K	1 IN 1251
4K	4 IN 1251
8K	8 IN 1251
12K	2 IN 1251
16K	6 IN 1251

DO NOT PUT CARDS 61-67 ON TAPE

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BLOCK NUMBER	TEST TITLE	MFI	TAPE SELECTION DIGIT AND LOCATION	PART NUMBER
9999 B	BRANCH LAST CARD DO NOT PUT DETAIL CARDS ON TAPE	BA	2 IN 1278	451196
IT01 B	WRITE TEST TAPE	MT	CARDS ONLY	451763
IT02 C	READ TEST TAPE	MT	NONE	451764
IT03 A	COPY TEST TAPE	MT	1 IN 1254	451765
IT05 C	IRG MEASUREMENT	MT	1 IN 1269	451766
IT06 A	TAPE ERROR	MT	1 IN 1268	451767
IT07 A	TAPE RELIABILITY	MT	1 IN 1268	451768

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DESCRIPTIONS OR CARD DECKS FOR INDIVIDUAL BLOCKS ARE NOT AVAILABLE AS SEPARATE ITEMS FOR REPLACEMENT PURPOSES, BUT MAY BE ORDERED AS A UNIT BY PART NUMBERS SHOWN IN THIS INDEX. PART NUMBERS SHOWN ON INDIVIDUAL DESCRIPTION PAGES ARE FOR MANUFACTURING PURPOSES ONLY.

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