

001
(ENTRY POINT A)
THIS MAP SHOULD NOT BE ENTERED UNLESS AN
ERROR HAS OCCURRED WHILE EXECUTING
SYSTEM TEST, AND THEN ONLY WHEN THE
DEVICE TYPE FIELD IS EQUAL TO HEXADECIMAL'4B'.

** ANY TIME THAT THE DEV1 FIELD IS EQUAL TO **
** HEXADECIMAL FFFF --- THE HARDWARE USED ITS **
** RETRY AND THE OPERATOR WANTED ALL OF THESE **
** FLAGGED AS AN ERROR. **

DOES RTN = 0001 ?
Y
N
002
DOES RTN = 0002 ?
Y
N
003
DOES RTN = 0003 ?
Y
N
004
DOES RTN = 0004 ?
Y
N
005
DOES CKPT = 0000 ?
Y
N

006
DOES CKPT = 0001 ?
Y
N
007
DOES CKPT = 0002 ?
Y
N
008
DOES CKPT = 0003 ?
Y
N
009
DOES CKPT = 0004 ?
Y
N
010
DOES CKPT = 0005 ?
Y
N
011
DATA COMPARE ERROR.
DEV1 = EXPECTED DATA.
DEV2 = ACTUAL DATA.
012
READ DATA COMMAND WAS EXECUTING.
GO TO PAGE 6, STEP 056,
ENTRY POINT B.
013
WRITE DATA COMMAND WAS EXECUTING.
GO TO PAGE 6, STEP 056,
ENTRY POINT B.
014
DATA COMPARE ERROR.
DEV1 = EXPECTED DATA.
DEV2 = ACTUAL DATA.
015
READ DATA COMMAND WAS EXECUTING.
GO TO PAGE 6, STEP 056,
ENTRY POINT B.
016
WRITE DATA COMMAND WAS EXECUTING.
GO TO PAGE 6, STEP 056, ENTRY POINT B.
017
READ DATA COMMAND WAS EXECUTING.
GO TO PAGE 6, STEP 056, ENTRY POINT B.

018
Y N
DOES CKPT = 0001 ?
019
Y N
DOES CKPT = 0002 ?
020
Y N
DOES CKPT = 0003 ?
021
Y N
DOES CKPT = 0004 ?
022
INVALID COMMAND (DATA ADDRESS) WAS
EXECUTING.
GO TO PAGE 6, STEP 056,
ENTRY POINT B.
023
INVALID COMMAND (BYTE COUNT) WAS
EXECUTING.
GO TO PAGE 6, STEP 056,
ENTRY POINT B.
024
INVALID COMMAND (CYLINDER NUMBER) WAS
EXECUTING.
GO TO PAGE 6, STEP 056,
ENTRY POINT B.
025
INVALID COMMAND (RECORD NUMBER) WAS
EXECUTING.
GO TO PAGE 6, STEP 056,
ENTRY POINT B.
026
INVALID COMMAND (COMMAND WORD) WAS
EXECUTING.
GO TO PAGE 6, STEP 056,
ENTRY POINT B.
027
Y N
DOES CKPT = 0000 ?
028
Y N
DOES CKPT = 0001 ?
029
Y N
DOES CKPT = 0002 ?
030
SEEKED TO WRONG CYLINDER.
DEV1 = EXPECTED DATA.
DEV2 = ACTUAL DATA.
031
SEEK CHAINED TO READ SECTOR ID COMMAND
WAS EXECUTING.
GO TO PAGE 6, STEP 056,
ENTRY POINT B.
032
RECALIBRATE FAILURE.
GO TO PAGE 6, STEP 056,
ENTRY POINT B.
033
SEEK CHAINED TO READ SECTOR ID COMMAND WAS
EXECUTING.
GO TO PAGE 6, STEP 056, ENTRY POINT B.
034
Y N
DOES CKPT = 0000 ?
035
Y N
DOES CKPT = 0001 ?
036
Y N
DOES CKPT = 0002 ?
037
Y N
DOES CKPT = 0003 ?

038
Y N
DOES CKPT = 0004 ?
039
Y N
DOES CKPT = 0005 ?
040
Y N
DOES CKPT = 0006 ?
041
READ SECTOR ID COMMAND WAS
EXECUTING.
DEV1 = EXPECTED DATA.
DEV2 = ACTUAL DATA.
042
READ SECTOR ID COMMAND WAS
EXECUTING.
GO TO PAGE 6, STEP 056,
ENTRY POINT B.
043
SEEK COMMAND WAS EXECUTING.
GO TO PAGE 6, STEP 056,
ENTRY POINT B.
044
READ SECTOR ID COMMAND WAS EXECUTING.
GO TO PAGE 6, STEP 056,
ENTRY POINT B.
045
SEEK COMMAND WAS EXECUTING.
GO TO PAGE 6, STEP 056,
ENTRY POINT B.
046
RECALIBRATE COMMAND WAS EXECUTING.
GO TO PAGE 6, STEP 056, ENTRY POINT B.
047
READ SECTOR ID COMMAND WAS EXECUTING.
GO TO PAGE 6, STEP 056, ENTRY POINT B.

A G
1 3

XXXX DISKETTE UNIT
SYSTEM TEST ERROR MAP
PAGE 5 OF 9

MAP 4BE0-5

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048
SEEK COMMAND WAS EXECUTING.
GO TO PAGE 6, STEP 056, ENTRY POINT B.
049
DOES CKPT = 0000 ?
Y
N
050
DOES CKPT = 0001 ?
Y
N
051
DOES CKPT = 0002 ?
Y
N
052
SEEK COMMAND WAS EXECUTING.
GO TO PAGE 6, STEP 056,
ENTRY POINT B.
053
READ ID DID NOT COMPARE.
DEV4 = EXPECTED DATA.
DEV3 = ACTUAL DATA.
054
READ ID COMMAND WAS EXECUTING.
GO TO PAGE 6, STEP 056, ENTRY POINT B.
055
DEVICE RESET COMMAND WAS EXECUTING.
GO TO PAGE 6, STEP 056, ENTRY POINT B.

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XXXX DISKETTE UNIT
SYSTEM TEST ERROR MAP
PAGE 6 OF 9

MAP 4BE0-6

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056
(ENTRY POINT B)
DOES IO=07 ?
Y
N
057
DOES IO=06 ?
Y
N
058
DOES IO=05 ?
Y
N
059
DOES IO=03 ?
Y
N
060
DOES IO=02 ?
Y
N

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7 7 7 7 7 7
M N P Q R S

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EC869536 PEC-----
MAP 4BE0-5

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MAP 4BE0-6

PAGE 7 OF 9

PAGE 8 OF 9

061 DOES IO=01 ?
Y
N

062 DEVICE NOT ATTACHED.

063 DEVICE BUSY.

064 BUSY AFTER RESET.

065 COMMAND REJECT.

066 INTERFACE DATA CHECK.

067 CONTROLLER BUSY.

068 DOES IN=02 ?
Y
N

069 DOES IN=04 ?
Y
N

070 DOES IN=03 ?
Y
N

071 CONTROLLER END.

072 DEVICE END RECEIVED.
IS BIT 1 IN THE FLAGS FIELD OFF ?
Y
N

073 INSPECT DEV4
BITS 0-7 IS THE DATA EXPECTED.
BITS 8-15 IS THE DATA RECEIVED.

074 (ENTRY POINT D)
THIS MAP CANNOT DETERMINE THE PROBLEM.
USE THE ERROR OUTPUT, YOU HAVE BEEN USING
FOR THIS MAP, AS YOUR ERROR INDICATIONS
AND GO TO MAP 0070 ENTRY POINT A.

075 ATTENTION INTERRUPT.
GO TO PAGE 8, STEP 080, ENTRY POINT E.

076 IS BIT 0 OF THE ISB OFF ?
Y
N

077 IS BIT 2 OF THE ISB OFF ?
Y
N

078 NOT CORRECT LENGTH ERROR.

079 IS CS-7 EQUAL TO FFFF ?
Y
N

080 (ENTRY POINT E)
THE BITS IN CS-7 ARE AS FOLLOWS.
BIT 00 = HARD ERROR.
BIT 01 = ATTACHMENT DETECTED PARITY ERROR.
BIT 02 = ATTACHMENT TIMEOUT.
BIT 03 = RESERVED.
BIT 04 = RESERVED.
BIT 05 = WRONG TYPE OF DISKETTE SELECTED.
BIT 06 = HEAD SEEK ERRORS.
BIT 07 = RESERVED.
BIT 08 = WRITE GATE.
BIT 09 = ERASE GATE.
BIT 10 = ATTACHMENT EQUIPMENT CHECK.
BIT 11 = OVERRUN/UNDERRUN.
BIT 12 = READ VERIFY ERROR.
BIT 13 = RELATED ERROR.
BIT 14 = RESERVED.
BIT 15 = SOFT ERROR RETRY.
INSPECT CS-7 FOR ERROR BITS.
ARE ALL ERROR BITS IN CS-7 OFF ?
Y
N

081 ANALYZE THE ERROR BITS IN CS-7.

082 THE BITS IN CS-8 ARE AS FOLLOWS.
BIT 00 = CRC CHECK.
BIT 01 = RESERVED.
BIT 02 = RESERVED.
BIT 03 = RESERVED.
BIT 04 = NO RECORD FOUND.
BIT 05 = NO DATA FOUND.
BIT 06 = CONTROL AM FOUND.
BIT 07 = ID CHECK.
BIT 08 = RESERVED.
BIT 09 = DISKETTE NOT UP TO SPEED.
BIT 10 = RESERVED.
BIT 11 = END OF TRACK.
BIT 12 = RESERVED.
BIT 13 = RESERVED.
BIT 14 = RESERVED.
BIT 15 = DISKETTE UNIT NOT READY.
INSPECT CS-8 FOR ERROR BITS.
ARE ALL ERROR BITS IN CS-8 OFF ?
Y
N

083 ANALYZE THE ERROR BITS IN CS-8.

084 GO TO PAGE 7, STEP 074,
ENTRY POINT D.

085 GO TO PAGE 7, STEP 074, ENTRY POINT D.

086 IS BIT 1 OF THE ISB OFF ?
Y
N

087 DELAYED COMMAND REJECT.

088 IS BIT 2 OF THE ISB OFF ?
Y
N

089 NOT CORRECT LENGTH ERROR.

090 IS BIT 3 OF THE ISB OFF ?
Y
N

091 DCB SPECIFICATION CHECK.

092 IS BIT 4 OF THE ISB OFF ?
Y
N

093 STORAGE DATA CHECK.

W
8

XXXX DISKETTE UNIT
SYSTEM TEST ERROR MAP
PAGE 9 OF 9

MAP 4BE0-9

094
IS BIT 5 OF THE ISB OFF ?
Y
N
095
NOT VALID STORAGE ADDRESS.
096
IS BIT 6 OF THE ISB OFF ?
Y
N
097
PROTECT CHECK.
098
IS BIT 7 OF THE ISB OFF ?
Y
N
099
INTERFACE DATA CHECK.
100
(ENTRY POINT C)
IS BIT 0 OF THE FLAGS OFF ?
Y
N
101
NOT EXPECTED INTERRUPT.
102
IS BIT 5 OF THE FLAGS OFF ?
Y
N
103
WRONG INTERRUPT LEVEL.
104
IS BIT 6 OF THE FLAGS OFF ?
Y
N
105
LOST INTERRUPT.
106
GO TO PAGE 7, STEP 074, ENTRY POINT D.

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EC869536 PEC-----
MAP 4BE0-9