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ENTRY POINTS

| FROM       | ENTER THIS MAP |             |             |
|------------|----------------|-------------|-------------|
| MAP NUMBER | ENTRY POINT    | PAGE NUMBER | STEP NUMBER |
| 4810       | A              | 1           | 001         |

001  
(ENTRY POINT A)

THIS IS AN MDI 'MANUAL MODE' MAP. (SEE DIAGNOSTIC SERVICE GUIDE 05.00.00). TO USE IT: LCAL AND EXECUTE THE MAP PROGRAM (BXXXX WHERE XXXX=MAP#). WHEN CE ACTION IS NEEDED LCP HALTS AND WILL DISPLAY MAP # AND STEP #. SEE THE HARD COPY MAP FOR THE CE ACTION.

SEEK TO TRACK 76.  
CONTINUE ON 'YES' COLUMN.  
MDI=\$TUXX,T4852,01,00,EQ,PLNG=2,PARM=4C  
Y N

002  
- NO - IS NOT VALID. GO TO NEXT STEP.  
MDI=\$NVLD

003  
THE PROBLEM IS ERASE CURRENT IS ON WHEN ERASE GATE IS OFF OR ERASE CURRENT IS OFF WHEN ERASE GATE IS ON.

PROBE '+ERASE CURRENT SENSE' AND 'ERASE GATE' ON BOTH THE CABLE TERMINATION CARD AND THE DRIVE CONTROL CARD WHILE WRITING TO HEAD 0. SEE MLD VOL.1 SF140 FOR DRIVE CONTROL CARD POINTS. THE CABLE TERMINATION CARD PINS ARE B07 AND B08. SEE MIM PARA A2.10 FOR PIN LOCATIONS. LINES SHOULD BE PULSING AT BOTH POINTS. RECORD BOTH LINES FOR EACH POINTS. VOLTAGE FOR THE GENERAL LOGIC PROBE CAN BE FOUND ON THE DRIVE CONTROL CARD. THE MINUS (BLACK WIRE) IS CONNECTED TO GROUND. THE PLUS (RED WIRE) IS CONNECTED TO +5V. SEE MLD VOL.1 SF140.

\*CE RESPONSE NECESSARY.\*  
WAS '+ ERASE CURRENT SENSE' THE SAME AT BOTH POINTS?  
MDI=\$QUXX,T4855,PING=5,PARM=00/00  
Y N

004  
CHECK CABLE ASSEMBLY. IF NO REPAIR EXCHANGE THE DRIVE CONTROL CARD.  
VERIFY THE REPAIR.  
MDI=\$FIXT

005  
\*CE RESPONSE NECESSARY.\*  
WAS '+ERASE GATE' THE SAME AT BOTH POINTS.  
MDI=\$QUES  
Y N

006  
CHECK CABLE ASSEMBLY. IF NO REPAIR EXCHANGE THE DRIVE CONTROL CARD.  
VERIFY THE REPAIR.  
MDI=\$FIXT

IF THE PROGRAMMER CONSOLE IS THE ACTIVE CONSOLE: ENTER '6' TO START THE LOOP, (B),6,(I),(I). THE LOOP MAY BE DIFFICULT TO 'INTERRUPT' WHEN YOU ENTER YOUR ANSWER.  
(SEE DIAGNOSTIC SERVICE GUIDE, 07.01.00.)

A  
1

007  
PROBE '+ERASE CURRENT SENSE' AND '+ERASE GATE'  
WHILE GIVING HEAD 1 A WRITE DATA COMMAND. SEE  
MLD VOL.1 SF140. LINES SHCULD BE PULSING.  
RECORD BOTH LINES.

IF THE PROGRAMMER CONSOLE IS THE ACTIVE  
CONSOLE:  
ENTER '6' TO START THE LOOP, (B), 6, (I), (I).  
THE LOOP MAY BE DIFFICULT TO 'INTERRUPT' WHEN  
YOU ENTER YOUR ANSWER.  
(SEE DIAGNOSTIC SERVICE GUIDE, 07.01.00.)

\*CE RESPONSE NECESSARY.\*  
WAS '+ERASE CURRENT SENSE' PULSING FOR BOTH  
HEAD 0 AND FEAD 1 WRITE DATA COMMAND? (STATUS  
FOR HEAD 0 WAS ALREADY RECORLED)  
MDI=\$QUXX,T4855,PLNG=5,PARM=11/00  
Y N

008  
\*CE RESPONSE NECESSARY.\*  
WAS '+ECS' LINE AT A DOWN LEVEL FOR WRITE  
DATA COMMAND?  
MDI=\$QUES  
Y N

009  
\*CE RESPONSE NECESSARY.\*  
WAS '+ERASE GATE' LINE PULSING DURING  
OPERATION WITH BOTH HEADS?  
MDI=\$QUES  
Y N

010  
CHECK DISKETTE UNIT ATTACHMENT CABLE.  
IF OK EXCHANGE THE DISKETTE UNIT  
ATTACHMENT CARD.  
VERIFY THE REPAIR.  
MDI=\$FIXT

011  
EXCHANGE DISKETTE DRIVE CONTROL CARD.  
SEE MIM PARA A3.14.

\*CE RESPNCSE NECESSARY.\*  
ANY MORE ERRORS?  
MDI=\$QUES  
Y N

012  
DISKETTE DRIVE CONTROL CARD WAS BAD.  
VERIFY THE REPAIR.  
MDI=\$FIXT

013  
EXCHANGE HEAD/CARRIAGE ASSEMBLY.  
SEE MIM PARA A3.9.3 AND A3.9.4.  
VERIFY THE REPAIR.  
MDI=\$FIXT

014  
\*CE RESPONSE NECESSARY.\*  
WAS '+ERASE GATE' LINE PULSING DURING  
PRECEDING WRITE OPERATION ON BOTH HEADS?  
MDI=\$QUES  
Y N

015  
CHECK DISKETTE UNIT ATTACHMENT CABLE. IF  
OK EXCHANGE THE DISKETTE UNIT ATTACHMENT  
CARD.  
VERIFY THE REPAIR.  
MDI=\$FIXT

016  
EXCHANGE DISKETTE DRIVE CONTRCL CARD.  
SEE MIM PARA A3.14.  
VERIFY THE REPAIR.  
MDI=\$FIXT

3  
B

B  
2

ERASE UNSAFE MAP

MAP 4850-3

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017  
PROBE '+ERASE CURRENT SENSE' AND 'ERASE GATE'  
LINES WHILE GIVING HEAD 0 AND HEAD 1 A READ  
DATA COMMAND. SEE MID VCL.1 SF140. THESE  
LINES SHOULD BE AT A DOWN LEVEL DURING READ  
OPERATION WITH BOTH HEADS. RECCRD BOTH LINES.

IF THE PROGRAMMER CONSOLE IS THE ACTIVE  
CONSOLE:  
ENTER '6' TO START THE LOOP, (B), 6, (I), (I).  
THE LOOP MAY BE DIFFICULT TO 'INTERRUPT' WHEN  
YOU ENTER YOUR ANSWER.  
(SEE DIAGNOSTIC SERVICE GUIDE, 07.01.00.)

\*CE RESPONSE NECESSARY.\*  
IS '+ERASE CURRENT SENSE' DOWN DURING BOTH  
OPERATION(S)?  
MDI=\$QUXX,T4856,PLNG=5,PARM=C0/C0  
Y N

018  
\*CE RESPONSE NECESSARY.\*  
WAS '+ERASE GATE' DOWN DURING OPERATION WITH  
BOTH HEADS? THIS LINE WAS RECORDED THE  
PRECEDING STEP.  
MDI=\$QUES  
Y N

019  
CHECK DISKETTE UNIT ATTACHMENT CABLE. IF  
OK EXCHANGE THE DISKETTE UNIT ATTACHMENT  
CARD.  
VERIFY THE REPAIR.  
MDI=\$FIXT

020  
EXCHANGE DISKETTE DRIVE CONTRCL CARD.  
SEE MIM PARA A3.14.  
VERIFY THE REPAIR.  
MDI=\$FIXT

021  
NO ERRCR FOUND.  
MDI=\$FIXT