

ENTRY POINTS

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FROM   ENTER THIS MAP			
MAP NUMBER	ENTRY POINT	PAGE NUMBER	STEP NUMBER
4802	A	1	001

EXIT POINTS

-----			
EXIT THIS MAP		TO	
PAGE NUMBER	STEP NUMBER	MAP NUMBER	ENTRY POINT
2	011	4800	A
4	026	4802	A
4	028	4802	A
4	030	4802	A
5	043	4802	A
6	045	4802	A
6	048	4802	A
1	006	4850	A
1	002	4880	A
1	004	4880	A

001  
(ENTRY POINT A)

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

USE THIS MAP ONLY WHEN THERE ARE ERRORS ON READ BACK AFTER WRITE AND ERRORS DO NOT OCCUR WITH EITHER HEAD WHILE READING CORRECT DATA.

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.

CHECK VOLTAGES ON DRIVE CONTROL CARD WITH A MULTIMETER. SEE MLD VOL.1 SF140 FOR TEST POINTS.

\*CE RESPONSE NECESSARY.\*  
ARE THEY CORRECT.  
MDI=\$QUES  
Y N

002  
EXTERNAL  
GO TO MAP 4880, ENTRY POINT A.  
MDI=\$FIXT

003  
CHECK THE VOLTAGES AGAIN AND WHILE LOOKING AT THE MULTIMETER POWER THE DISKETTE UNIT OFF. IT SHOULD TAKE AT LEAST 2 SECONDS FOR MULTIMETER TO FALL TO 1V.  
ARE VOLTAGES CORRECT?  
MDI=\$QUES  
Y N

004  
EXTERNAL  
GO TO MAP 4880, ENTRY POINT A.  
MDI=\$FIXT

005  
WRITE WITH HEAD 0, THEN WITH HEAD 1.  
IS THE ERASE CIRCUIT OK?  
MDI=\$TUXX,T4850,01,08,OF  
Y N

006  
EXTERNAL  
GO TO MAP 4850, ENTRY POINT A.  
MDI=\$GOTO,TYPE=XTRNL,MAP=4850,EP=A

007

WRITE ERROR WITH ONLY ONE HEAD (N=1)?

MDI=\$TUXX,T3C02,01,C0,MX

Y N

008

WRITE ERROR WITH ONLY ONE HEAD (N=2)?

MDI=\$TUXX,T3C02,01,30,MX

Y N

009

IS THERE A WRITE ERROR ON BOTH HEAD 0 AND HEAD 1 (N=1)?

MDI=\$TUXX,T3C02,01,C0,ON

Y N

010

IS THERE A WRITE ERROR ON BOTH HEAD 0 AND HEAD 1 (N=2)?

MDI=\$TUXX,T3C02,01,30,ON

Y N

011

RUN DISKETTE UNIT DIAGNOSTIC TEST AGAIN. LOAD MAP 4800.

GO TO MAP 4800, ENTRY POINT A.

MDI=\$FIXT

012

INTERNAL

GO TO STEP 013,

ENTRY POINT B.

MDI=\$GCTO,TYPE=INTRNL,EP=E

013

(ENTRY POINT E)

SEEK TO TRACK 76.

GO TO NEXT STEP.

MDI=\$TUXX,T4852,01,00,EQ,PLNG=2,PARM=4C

Y N

014

NO IS NOT VALID, GO TO NEXT STEP.

MDI=\$NVLD

015

PROBE 'WRITE DATA' AND '+WRITE GATE' (D02,B10) ON THE CABLE TERMINATION CARD WHILE WRITING. SEE MIM PARAGRAPH A2.1C.

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 VCL.1 SF140.

\*CE RESPONSE NECESSARY.\*

ARE BOTH LINES PULSING?

MDI=\$QUXX,T4855,PLNG=5,PARM=00/00

Y N

016

CHECK FAILING LINES ON ATTACHMENT CABLE FOR AN OPEN OR SHORT CIRCUIT. IF NONE,

EXCHANGE THE ATTACHMENT CARD.

VERIFY THE REPAIR.

MDI=\$FIXT

IF 'LOOP STEP TO STEP' OPTION IS 'ON' (OPTION BYTE 02, BIT 01), THIS STEP WILL NEED THE PRECEDING STEP FOR SETUP.

IF 'LOOP STEP TO STEP' OPTION IS 'ON' (OPTION BYTE 02, BIT 01), THIS STEP WILL NEED THE PRECEDING STEP FOR SETUP.

IF 'LOOP STEP TO STEP' OPTION IS 'ON' (OPTION BYTE 02, BIT 01), THIS STEP WILL NEED THE PRECEDING STEP FOR SETUP.

IF 'LOOP STEP TO STEP' OPTION IS 'ON' (OPTION BYTE 02, BIT 01), THIS STEP WILL NEED THE PRECEDING STEP FOR SETUP.

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.)

11JAN80 PN1635076

EC877041 PEC578757

MAP 4810-2

4 4 3  
B C D

017  
PROBE 'WRITE DATA' AND '+WRITE GATE' ON THE  
DRIVE CONTROL CARD WHILE WRITING. SEE MLD  
VOL.1 SF140.

\*CE RESPONSE NECESSARY.\*

ARE BOTH LINES PULSING?  
MDI=\$QUXX,T4855,PLNG=5,PARM=00/00  
Y N

018  
CHECK DISKETTE UNIT CABLE ASSEMBLY FOR A  
SHORT CIRCUIT OR AN OPEN. IF NCNE, EXCHANGE  
THE DRIVE CONTROL CARD. SEE MIM PARAGRAPH  
A3.14  
VERIFY THE REPAIR.  
MDI=\$FIXT

019  
PROBE '+ INNER TRACKS' WHILE SEEKING FROM LOW  
TO HIGH TRACKS (MUST GO ACROSS TRACKS 41-32).  
PROBE THIS LINE ON THE CABLE TERMINATION CARD  
(D09) AND THE DRIVE CONTROL CARD. SEE MIM  
PARAGRAPH A2.10 AND MLD VOL.1 SF140.  
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.\*

IS LINE PULSING AT BOTH POINTS?  
MDI=\$QUXX,T4854,PLNG=8,PARM=4C/4C/4C  
Y N

020

WAS LINE GOING UP AND DOWN AT CABLE  
TERMINATION CARD?

\*CE RESPONSE NECESSARY.\*

MDI=\$QUXX,T4854,PLNG=8,PARM=4C/4C/4C  
Y N

021  
CHECK FAILING LINES ON ATTACHMENT CARD FOR  
AN OPEN OR SHORT CIRCUIT. IF NONE  
EXCHANGE THE ATTACH. CARD.  
VERIFY THE REPAIR.  
MDI=\$FIXT

022  
CHECK DISKETTE UNIT CABLE ASSEMBLY AND INPUT  
TO DRIVE CONTROL CARD FOR CONTINUITY.

\*CE RESPONSE NECESSARY.\*

IS CONTINUITY OK?  
MDI=\$QUES  
Y N

023  
EXCHANGE THE DISKETTE UNIT CABLE ASSEMBLY.  
VERIFY THE REPAIR.  
MDI=\$FIXT

024  
EXCHANGE THE DRIVE CONTROL CARD. SEE MIM  
PARAGRAPH A3.14.  
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.)

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.)

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.)

025  
EXCHANGE DISKETTE DRIVE CONTROL CARD IF  
YOU HAVE NOT DONE SO ALREADY. SEE MIM  
PARAGRAPH A3.14.

\*CE RESPONSE NECESSARY.\*  
HAVE YOU BEEN AT THIS POINT IN THE MAP  
ONCE BEFORE?  
MDI=\$QUES  
Y N

026  
EXTERNAL  
GO TO MAP 4802, ENTRY POINT A.  
MDI=\$GOTO,TYPE=XTRNL,MAP=4802,EP=A

027  
EXCHANGE DISKETTE UNIT ATTACH. CARD IF  
YOU HAVE NOT DONE SO ALREADY.

\*CE RESPONSE NECESSARY.\*  
HAVE YOU BEEN AT THIS POINT IN THE MAP  
ONCE BEFORE?  
MDI=\$QUES  
Y N

028  
EXTERNAL  
GO TO MAP 4802, ENTRY POINT A.  
MDI=\$GCTC,TYPE=XTRNL,MAP=4802,EP=A

029  
EXCHANGE HEAD/CARRIAGE ASSEMBLY IF YOU  
HAVE NOT DONE SO ALREADY. SEE MIM  
PARAGRAPH A3.9.3 AND A3.9.4.

\*CE RESPONSE NECESSARY.\*  
HAVE YOU BEEN AT THIS POINT IN THE MAP  
ONCE BEFORE?  
MDI=\$QUES  
Y N

030  
EXTERNAL  
GO TO MAP 4802, ENTRY POINT A.  
MDI=\$GCTO,TYPE=XTRNL,MAP=4802,EP=A

031  
GO TO FREELANCE MODE  
MDI=\$FIXT

032  
INTERNAL  
GO TO STEP 033, ENTRY POINT C.  
MDI=\$GOTO,TYPE=INTRNL,EP=C

033  
(ENTRY POINT C)

SEEK TO TRACK 76.  
SEEK OK?  
MDI=\$TUXX,T4852,01,00,EQ,PLNG=2,PARM=4C  
Y N

034  
NO IS NOT VALID, GO TO NEXT STEP.  
MDI=\$NVLD

035  
PROBE 'HEAD 0 CT' AND '+SELECT HEAD 1' WHILE  
EXECUTING A WRITE COMMAND ON HEAD 0. SEE MLD  
VOL.1 SF140. 'HEAD 0 CT' SHOULD BE AT AN UP  
LEVEL WHILE '+SELECT HEAD 1' SHOULD BE AT A  
DOWN LEVEL.

\*CE RESPONSE NECESSARY.\*  
ARE BOTH LINES AT THE CORRECT LEVEL?  
MDI=\$QUXX,T4855,PLNG=5,PARM=00/00  
Y N

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.CC.)

036

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.)

WAS '+SELECT HEAD 1' AT THE CORRECT LEVEL?

\*CE RESPONSE NECESSARY.\*  
MDI=\$QUXX,T4855,PLNG=5,PARM=00/00  
Y N

037  
CHECK DISKETTE UNIT ATTACHMENT CABLE, THEN  
EXCHANGE THE ATTACHMENT CARD. RUN WRITE  
MAP AGAIN.  
MDI=\$FIXT

038  
INTERNAL  
GO TO STEP 042, ENTRY POINT D.  
MDI=\$GOTO,TYPE=INTRNL,EP=D

039  
PROBE 'HEAD 1 CT' AND '+SELECT HEAD 1' WHILE  
EXECUTING A WRITE COMMAND ON HEAD 1. SEE MLD  
VOL.1 SF140.

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.\*  
ARE BOTH LINES AT AN UP LEVEL?  
MDI=\$QUXX,T4855,PLNG=5,PARM=11/00  
Y N

040

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.)

WAS '+SELECT HEAD 1' AT THE CORRECT LEVEL?

\*CE RESPONSE NECESSARY.\*  
MDI=\$QUXX,T4855,PLNG=5,PARM=11/00  
Y N

041  
CHECK DISKETTE UNIT ATTACHMENT CABLE, THEN  
EXCHANGE THE ATTACHMENT CARD. RUN WRITE  
MAP AGAIN.  
MDI=\$FIXT

042  
(ENTRY POINT D)

EXCHANGE DISKETTE DRIVE CONTROL CARD IF YOU  
HAVE NOT DONE SO.  
SEE MIM PARAGRAPH A3.14.

\*CE RESPONSE NECESSARY.\*  
HAVE YOU BEEN AT THIS POINT IN THE MAP ONCE  
BEFORE?  
MDI=\$QUES  
Y N

043  
EXTERNAL  
GO TO MAP 4802, ENTRY POINT A.  
MDI=\$GOTC,TYPE=XTRNL,MAP=4802,EP=A

044  
EXCHANGE HEAD/CARRIAGE ASSEMBLY IF YOU HAVE  
NOT DONE SO.  
SEE MIM PARAGRAPH A3.9.3 AND A3.9.4.

\*CE RESPONSE NECESSARY.\*  
HAVE YOU BEEN AT THIS POINT IN THE MAP ONCE  
BEFORE?  
MDI=\$QUES  
Y N

H J K  
5 5 5

WRITE ERROR MAP

MAP 4810-6

-----  
PAGE 6 OF 6

045  
EXTERNAL  
GO TO MAP 4802, ENTRY POINT A.  
MDI=\$GOTO,TYPE=XTRNL,MAP=48C2,EP=A

046  
GO TO FREELANCE MODE  
MDI=\$FIXT

047  
EXCHANGE HEAD/CARRIAGE ASSEMBLY IF YOU HAVE  
NOT DONE SO.  
SEE MIM PARAGRAPH A3.9.3 AND A3.9.4.

\*CE RESPONSE NECESSARY.\*  
HAVE YOU BEEN AT THIS POINT IN THE MAP ONCE  
BEFORE?  
MDI=\$QUES  
Y N

048  
EXTERNAL  
GO TO MAP 4802, ENTRY POINT A.  
MDI=\$GOTC,TYPE=XTRNL,MAP=4802,EP=A

049  
GO TO FREELANCE MCDE.  
MDI=\$FIXT

11JAN80 PN1635076  
EC877041 PEC578757  
MAP 4810-6