

ENTRY POINTS

FROM	ENTER THIS MAP		
MAP NUMBER	ENTRY POINT	PAGE NUMBER	STEP NUMBER
4813	A	1	001
4813	D	6	057
4820	C	6	052

EXIT POINTS

EXIT THIS MAP		TO	
PAGE NUMBER	STEP NUMBER	MAP NUMBER	ENTRY POINT
2	C14	4800	A
5	C43	4800	A
5	C46	4800	A
5	C49	4800	A
2	C13	4880	A
2	C15	4880	A
4	C37	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 HALTS AND WILL DISPLAY MAP # AND STEP #. SEE THE HARD COPY MAP FOR THE CE ACTION.

USE THIS MAP WHEN A WRCNG INDEX PULSE IS FOUND OR WRONG TYPE OF DISKETTE IS INSERTED IN DISKETTE DRIVE. SEE MIM PREFACE PARA. ON DISKETTE OPERATION.

CE RESPONSE NECESSARY.
IS DISKETTE FREE OF PHYSICAL DAMAGE?
MDI=\$QUES
Y N

002
EXCHANGE DISKETTE.
VERIFY THE REPAIR.
MDI=\$FIXT

003
CE RESPONSE NECESSARY.
IS DISKETTE INSERTED CORRECTLY?
SEE MIM PREFACE PARA ON DISKETTE OPERATION.
MDI=\$QUES
Y N

004
INSERT DISKETTE CORRECTLY.
VERIFY THE REPAIR.
MDI=\$FIXT

005
JUMPER '- HEAL LOAD' TEST POINT ON DISKETTE DRIVE CONTROL CARD TO GROUND. THIS SHOULD ACTIVATE SOLENOID AND CAUSE FAIL TO LOAD THE HEAD, AND PUT MAXIMUM LOAD ON DRIVE CIRCUIT. SEE HLD VOL. 1 SF140.

CE RESPONSE NECESSARY.
IS DRIVE HUB PULLEY TURNING AND TIGHTLY ATTACHED TO THE DRIVE HUB?
MDI=\$QUES
Y N

006
(ENTRY POINT B)
SEE MIM PARA A3.11.1.

CE RESPONSE NECESSARY.
IS DRIVE BELT INSTALLED AND TRACKING CORRECTLY?
MDI=\$QUES
Y N

007
INSTALL OR EXCHANGE BELT. SEE MIM PARA A3.11.3 AND A3.11.4.
VERIFY THE REPAIR.
MDI=\$FIXT

008
KEEP THE HEAD LOADED.

CE RESPONSE NECESSARY.
IS DRIVE MOTOR PULLEY TURNING?
MDI=\$QUES
Y N

009
CE RESPONSE NECESSARY.
IS DRIVE MOTOR TURNING?
MDI=\$QUES
Y N

010
MEASURE AC VOLTAGE AT AC MOTOR CONNECTOR.
SEE MLD VOL.1 SF130.

CE RESPONSE NECESSARY.
IS AC VOLTAGE CORRECT AT MOTOR CONNECTOR?
MDI=\$QUES
Y N

011
CE RESPONSE NECESSARY.
CHECK CABLES, ARE THEY IN CORRECTLY?
MDI=\$QUES
Y N

012
RESEAT CABLES AND CHECK VOLTAGE AGAIN.

CE RESPONSE NECESSARY.
IS IT CORRECT?
MDI=\$QUES
Y N

013
GO TO MAP 4880, ENTRY POINT A.
MDI=\$FIXT

014
GO TO MAP 4800, ENTRY POINT A.
MDI=\$GOTO, TYPE=XTRNL, MAP=4800, EP=A

015
EXTERNAL
GO TO MAP 4880, ENTRY POINT A.
MDI=\$FIXT

016
POWER OFF, REMOVE BELT. SEE MIM PARA
A3.11.3. LET MOTOR COOL 5 MINUTES, THEN
POWER ON.

CE RESPONSE NECESSARY.
DOES MOTOR START?
MDI=\$QUES
Y N

017
EXCHANGE AC MOTOR.
SEE MIM PARA A3.11.5 AND A3.11.6
VERIFY THE REPAIR.
MDI=\$FIXT

018
CHECK HUB ASSEMBLY FOR BINDING WITH COVER
CLOSED.

CE RESPONSE NECESSARY.
IS HUB FREE OF BINDING (COLLET SCREW ON
OUTSIDE OF COVER SHOULD BE TURNING)?
MDI=\$QUES
Y N

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019
OPEN COVER AND CHECK FOR BINDING AND NOISE.

CE RESPONSE NECESSARY.
IS HUB FREE OF BINDING AND NOISE?
MDI=\$QUES
Y N

020
EXCHANGE DISKETTE DRIVE ASSEMBLY. SEE MIM PARA A3.5.
VERIFY THE REPAIR.
MDI=\$FIXT

021
EXCHANGE COVER OR COLLET ASSEMBLY AS NEEDED.
SEE MIM PARA A3.4, A3.8.3 AND A3.8.4.
VERIFY THE REPAIR.
MDI=\$FIXT

022
CHECK IDLER FOR BINDING.
CE RESPONSE NECESSARY.
IS IDLER FREE OF BINDING?
MDI=\$QUES
Y N

023
EXCHANGE IDLER ASSEMBLY.
SEE MIM PARA A3.11.9 AND A3.11.10.
VERIFY THE REPAIR.
MDI=\$FIXT

024
INSTALL FELT. IF ERROR IS STILL THERE, EXCHANGE DRIVE MOTOR.
SEE MIM PARA A3.11.5 AND A3.11.6.
VERIFY THE REPAIR.
MDI=\$FIXT

025
DRIVE MOTOR PULLEY IS LOOSE. ADJUST AND TIGHTEN.
SEE MIM PARA A3.11.8.
VERIFY THE REPAIR.
MDI=\$FIXT

026
CHECK HUB ASSEMBLY FOR BINDING WITH COVER CLOSED.

CE RESPONSE NECESSARY.
IS HUB FREE OF BINDING?
MDI=\$QUES
Y N

027
OPEN COVER AND CHECK FOR BINDING AND NOISE.

CE RESPONSE NECESSARY.
IS HUB FREE OF BINDING AND NOISE?
MDI=\$QUES
Y N

028
EXCHANGE DISKETTE DRIVE ASSEMBLY. SEE MIM PARA A3.5.
VERIFY THE REPAIR.
MDI=\$FIXT

029
EXCHANGE COVER OR COLLET ASSEMBLY AS NEEDED.
SEE MIM PARA A3.4, A3.8.3 AND A3.8.4.
VERIFY THE REPAIR.
MDI=\$FIXT

030
CHECK IDLER FOR BINDING.

CE RESPONSE NECESSARY.
IS IDLER FREE OF BINDING?
MDI=\$QUES
Y N

031
EXCHANGE IDLER ASSEMBLY.
SEE MIM PARA A3.11.9 AND A3.11.10.
VERIFY THE REPAIR.
MDI=\$FIXT

032
EXCHANGE BELT.
SEE MIM PARA A3.11.3 AND A3.11.4
VERIFY THE REPAIR.
MDI=\$FIXT

033
KEEP '- HEAD LOAD' TEST POINT ON DISKETTE
DRIVE CONTROL CARD JUMPERED TO GROUND.

CE RESPONSE NECESSARY.
IS DRIVE HUB TURNING (CILLET SCREW ON OUTSIDE
OF COVER SHOULD BE TURNING)
MDI=\$QUES
Y N

034
CHECK THE COVER ASSEMBLY FOR DAMAGE.
EXCHANGE THE DISKETTE DRIVE ASSEMBLY IF THE
HUB IS STILL NOT MOVING WITH THE COVER
REMOVED. SEE MIM PARA A3.5.
VERIFY THE REPAIR.
MDI=\$FIXT

035
PROBE '+ INDEX' WITH A FAILING DISKETTE
INSERTED.
SEE MLD VOL.1 SF140.

CE RESPONSE NECESSARY.
IS LINE PULSING?
MDI=\$QUES
Y N

036
CHECK '+ 5VDC', '- 5VDC', AND '+ 24VDC'
INPUT VOLTAGES TO DISKETTE DRIVE CONTROL
CARD.
SEE MLD VOL.1 SF140 FOR TEST POINT(S).
TOLERANCE IS + OR - 10%.

CE RESPONSE NECESSARY.
ARE VOLTAGES CORRECT?
MDI=\$QUES
Y N

037
GO TO MAP 4880, ENTRY POINT A.
MDI=\$FIXT

038
PERFORM LED OUTPUT SERVICE CHECK FOR FAILING
DISKETTE.
SEE MIM PARA A3.13.3.

CE RESPONSE NECESSARY.
IS LED VOLTAGE CORRECT?
MDI=\$QUES
Y N

039
EXCHANGE THE LED ASSEMBLY. SEE MIM PARA
A3.13.4 AND A3.13.5

CE RESPONSE NECESSARY.
VOLTAGE OK NOW?
MDI=\$QUES
Y N

040
LED WAS BAD.
VERIFY THE REPAIR.
MDI=\$FIXT

041
EXCHANGE DISKETTE DRIVE CONTRCL CARD.
SEE MIM PARA A3.14.
VERIFY THE REPAIR.
MDI=\$FIXT

042
DO PTX/LED ALIGNMENT.
SEE MIM PARA A3.13.2.
POWER ON AGAIN, INSERT DISKETTE, CLOSE DOOR
AND PROBE + INDEX ON DRIVE CCNTROL CARD. SEE
MLD VOL.1 SF140 FCF TEST POINT.

CE RESPONSE NECESSARY.
IS IT STILL BAD (NOT PULSING)?
MDI=\$QUES
Y N

043
ALIGNMENT WAS WRCNG.
GO TO MAP 4800, ENTRY POINT A.
MDI=\$GOTO, TYPE=XTRNL, MAP=4800, EP=A

044
PERFORM PTX AMPLIFIER SERVICE CHECK.
SEE MIM PARA A3.13.6.

CE RESPONSE NECESSARY.
IS THE SERVICE CHECK OK?
MDI=\$QUES
Y N

045
EXCHANGE DISKETTE DRIVE CCNTROL CARD IF YOU
HAVE NOT DONE SO ALREADY.
SEE MIM PARA. A3.14.

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

046
GO TO MAP 4800, ENTFRY PCINT A.
MDI=\$GOTO, TYPE=XTRNL, MAP=4800, EP=A

047
EXCHANGE PIX ASSEMBLY.
SEE MIM PARA A3.13.7 AND A3.13.8.
VERIFY THE REPAIR.
MDI=\$FIXT

048
EXCHANGE PTX ASSEMBLY.
SEE MIM PARA A3.13.7 AND A3.13.8.
POWER ON AGAIN, INSERT DISKETTE, CLOSE DOOR
AND PROBE + INDEX CN DRIVE CCNTROL CARD. SEE
MLD VOL.1 SF140.

CE RESPONSE NECESSARY.
IS IT STILL BAD (NCT PULSING)?
MDI=\$QUES
Y N

049
BAD PTX ASSEMBLY.
VERIFY THE REPAIR.
GO TO MAP 4800, ENTRY POINT A.
MDI=\$GOTO, TYPE=XTRNL, MAP=4800, EP=A

050
EXCHANGE DISKETTE UNIT DRIVE CONTROL CARD.
SEE MIM PARA A3.14.
VERIFY THE REPAIR.
MDI=\$FIXT

051
IS DISK SPEED CORRECT?
MDI=\$TUXX,T4853,02,0001,CF
Y N

052
(ENTRY POINT C)
CHECK COVER PIVOT, LATCH, AND COLLET.

CE RESPONSE NECESSARY.
ARE PIVOT, LATCH, AND COLLET OK?
MDI=\$QUES
Y N

053
EXCHANGE AS NEEDED.
SEE MIM PARA A3.4 AND A3.8.
VERIFY THE REPAIR.
MDI=\$FIXT

054
DO HEAD LOAD SOLENOID SERVICE CHECK.
SEE MIM PARA A3.10.1.

CE RESPONSE NECESSARY.
IS ADJUSTMENT OK?
MDI=\$QUES
Y N

055
ADJUST SCLENOID. SEE MIM PARA A3.10.2.
VERIFY THE REPAIR.
MDI=\$FIXT

056
GO TO PAGE 1, STEP 006, ENTRY PCINT B.
MDI=\$GOTO,TYPE=INTRNL,EP=B

057
(ENTRY POINT D)

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.

PROBE + DISKETTE SENSE ON IRIVE CCNTROL CARD AND CABLE TERMINATION CARD(D11). SEE MIM PARA A2.10 AND MLD VOL.1 SF140.
IF A TWO SIED DISKETTE IS INSERTED, BOTH POINTS SHOULD BE AT AN UP LEVEL. IF A ONE SIED DISKETTE IS INSERTED, BOTH POINTS SHOULD BE AT A DOWN LEVEL.

CE RESPONSE NECESSARY.
ARE BOTH POINTS AT THE SAME LEVEL?
MDI=\$QUES
Y N

058
CHECK DISKETTE UNIT CAELE ASSEMBLY FOR AN OPEN OR SHORT CIRCUIT.

CE RESPONSE NECESSARY.
WAS THERE AN OPEN OR SHORT CIRCUIT?
MDI=\$QUES
Y N

059
EXCHANGE DRIVE CONTROL CARD. SEE MIM PARA. A3.14.
VERIFY THE REPAIR.
MDI=\$FIXT

060
EXCHANGE DISKETTE UNIT CABIE ASSEMBLY.
VERIFY THE REPAIR.
MDI=\$FIXT

061
CE RESPONSE NECESSARY.
ARE THEY AT THE CORRECT LEVEL?
MDI=\$QUES
Y N

M N
6 6

DISKETTE UNIT NOT READY MAP

MAP 4830-7

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062

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

063

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

11JAN80 PN1635306
EC877041 PEC578757
MAP 4830-7