

ENTRY POINTS

FROM	ENTER THIS MAP		
MAP NUMBER	ENTRY POINT	PAGE NUMBER	STEP NUMBER
0170	A	1	001
0171	A	1	001
0172	B	6	058
4802	D	4	034

EXIT POINTS

EXIT THIS MAP		TO	
PAGE NUMBER	STEP NUMBER	MAP NUMBER	ENTRY POINT
6	065	0020	A
5	050	0070	A
5	053	0070	A
6	066	0070	A
6	067	0273	D
2	011	4880	A
2	013	4880	A
4	036	4880	A

001  
 (ENTRY POINT A)

THIS IS A PAPER ONLY MAP. THERE IS NO ASSOCIATED MAP PROGRAM. (SEE DIAGNOSTIC SERVICE GUIDE 05.00.00). GO TO THE ENTRY POINT AND FOLLOW THE MAP.

IN THIS MAP IT IS ASSUMED THAT A FAILURE HAS OCCURRED IN ANOTHER MAP, AND, THEREFORE, WILL ALWAYS IDENTIFY A FAILING FIELD REPLACEABLE UNIT. USE ONLY WHEN INSTRUCTED TO DO SO BY ANOTHER MAP.

JUMPER '- HEAD LOAD' TEST POINT ON DISKETTE DRIVE CONTROL CARD TO GROUND. SEE MAINTENANCE LOGIC DIAGRAM VOL. 1 SF140. THIS SHOULD ACTIVATE SOLENOID AND CAUSE BAIL TO LOAD HEAD AND PUT MAXIMUM LOAD ON DRIVE ASSEMBLY.

CAUTION

REMEMBER TO REMOVE JUMPER BEFORE LEAVING THIS MAP

IS DRIVE HUB PULLEY TURNING?  
 Y N

002  
 SEE A3.11.1 IN THE MAINTENANCE INFORMATION MANUAL.  
 IS DRIVE BELT INSTALLED CORRECTLY?  
 Y N

003  
 POWER OFF THE DISKETTE DRIVE.  
 INSTALL OR EXCHANGE BELT.  
 POWER ON AND PERFORM BELT SERVICE CHECK.  
 SEE A3.11 IN THE MAINTENANCE INFORMATION MANUAL.

IS DRIVE MOTOR PULLEY STRONGLY ATTACHED TO MOTOR?  
 Y N

004  
 TIGHTEN PULLEY SCREW OR EXCHANGE MOTOR IF NECESSARY.  
 VERIFY THE REPAIR.

005  
 GO TO PAGE 2, STEP 016,  
 ENTRY POINT C.

006  
 KEEP HEAD LOADED.  
 IS DRIVE MOTOR PULLEY TURNING?  
 Y N

007  
 IS DRIVE MOTOR TURNING?  
 Y N

D  
7

DISKETTE UNIT NOT READY MAP

MAP 0173-2

NOT READY MAP

PAGE 2 OF 6

008  
MEASURE AC LINE VOLTAGE AT AC MOTOR CONNECTOR.  
IS AC LINE VOLTAGE PRESENT AT MOTOR CONNECTOR?  
Y N

009  
CHECK CABLES, ARE THEY INSTALLED/SEATED  
CORRECTLY?  
Y N

010  
RESEAT CABLES AND CHECK VOLTAGE AGAIN.  
IS IT PRESENT?  
Y N

011  
GO TO MAP 4880, ENTRY POINT A.

012  
VERIFY REPAIR

013  
GO TO MAP 4880, ENTRY POINT A.

014  
POWER OFF AC POWER, REMOVE BELT, LET IT COOL 5  
MINUTES, POWER ON AC POWER.  
DOES MOTOR START?  
Y N

015  
EXCHANGE AC MOTOR.  
SEE A3.11.5 IN THE MAINTENANCE INFORMATION  
MANUAL.  
VERIFY THE REPAIR.

016  
(ENTRY POINT C)

CHECK IF HUB ASSEMBLY IS BINDING WITH COVER  
CLOSED.  
IS HUB O.K.?  
Y N

017  
OPEN COVER AND CHECK FOR BINDING AND NOISE.  
IS HUB FREE OF BINDING AND NOISE?  
Y N

018  
EXCHANGE COMPLETE DISKETTE UNIT ASSEMBLY.  
VERIFY THE REPAIR.

019  
EXCHANGE COVER OR COLLET ASSEMBLY.  
SEE A3.4 AND A3.8.3 IN THE MAINTENANCE  
INFORMATION MANUAL.  
VERIFY THE REPAIR.

020  
CHECK IDLER ASSEMBLY FOR BINDING, TENSION,  
ETC.  
IS IDLER WORKING CORRECTLY?  
Y N

021  
EXCHANGE IDLER ASSEMBLY.  
SEE A3.11.9 IN THE MAINTENANCE INFORMATION  
MANUAL.  
VERIFY THE REPAIR.

022  
REINSTALL BELT. IF FAILURE IS STILL THERE,  
EXCHANGE DRIVE MOTOR.  
SEE A3.11.5 IN THE MAINTENANCE INFORMATION  
MANUAL.  
VERIFY THE REPAIR.

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MAP 0173-2

A B C  
1 1 1

DISKETTE UNIT NOT READY MAP

MAP 0173-3

NOT READY MAP

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023

DRIVE MOTOR PULLEY IS LOOSE. ADJUST AND  
TIGHTEN.  
SEE A3.11.8 IN THE MAINTENANCE INFORMATION  
MANUAL.  
VERIFY THE REPAIR.

024

CHECK HUB ASSEMBLY FOR BINDING WITH COVER  
CLOSED.  
IS HUB O.K.?

Y N

025

OPEN COVER AND CHECK FOR BINDING AND  
NOISE.  
IS HUB FREE OF BINDING AND NOISE?

Y N

026

EXCHANGE COMPLETE DRIVE ASSEMBLY.  
SEE A3.5.1 IN THE MAINTENANCE  
INFORMATION MANUAL.  
VERIFY THE REPAIR.

027

EXCHANGE COVER OR COLLET ASSEMBLY.  
SEE A3.4 AND A3.8.3 IN THE MAINTENANCE  
INFORMATION MANUAL.  
VERIFY THE REPAIR.

028

CHECK IDLER FOR BINDING.  
IS IDLER FREE OF BINDING?

Y N

029

EXCHANGE IDLER ASSEMBLY.  
SEE A3.11.9 IN THE MAINTENANCE INFORMATION  
MANUAL.  
VERIFY THE REPAIR.

030

EXCHANGE BELT.  
SEE A3.11.3 IN THE MAINTENANCE INFORMATION  
MANUAL.  
VERIFY THE REPAIR.

031

KEEP '- HEAD LOAD' TEST POINT ON DISKETTE  
DRIVE CONTROL CARD JUMPERED TO GROUND.  
CHECK IF DRIVE HUB IS TURNING. INSPECT FROM  
THE SIDE ON WHICH THE DRIVE BELT IS INSERTED.  
IF IT IS NOT EASILY VISIBLE FROM THE DRIVE  
BELT SIDE, CHECK THE COLLECT SCREW ON THE  
DRIVE DOOR FOR ANY MOVEMENT.  
IS DRIVE HUB TURNING?

Y N

032

CHECK COVER ASSEMBLY FOR DAMAGE. EXCHANGE  
COVER ASSEMBLY IF NECESSARY.  
CHECK HUB OPERATION WITH COVER OFF.  
EXCHANGE DRIVE ASSEMBLY IF HUB STILL DOES  
NOT MOVE OR IF IT APPEARED DAMAGED.  
VERIFY THE REPAIR.

033

ARE YOU ATTEMPTING TO IPL FROM A 4966 ?

Y N

6 4  
E F

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MAP 0173-3

NOT READY MAP

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034  
(ENTRY POINT D)

IF YOU CAME HERE TO CHECK OUT THE ONE SIDED  
DISKETTE, INSERT A ONE SIDED DISKETTE IN THE  
DISKETTE UNIT.

PROBE '+ INDEX' WITH THE DISKETTE INSERTED AND  
DOOR CLOSED  
SEE MAINTENANCE LOGIC DIAGRAM VOL.1 SF140.  
IS LINE PULSING?  
Y N

035  
CHECK '+ 5VDC', '- 5VDC', AND '+ 24VDC'  
INPUT VOLTAGES TO DISKETTE DRIVE CONTROL  
CARD.  
SEE MAINTENANCE LOGIC DIAGRAM VOL.1 SF140.  
TOLERANCE IS + OR - 10%.  
ARE VOLTAGES CORRECT?  
Y N

036  
CHECK CABLES. IF OK,  
GO TO MAP 4880, ENTRY POINT A.

037  
PERFORM LED OUTPUT SERVICE CHECK ON FAILING  
DISKETTE DRIVE.  
SEE A3.13.3 IN THE MAINTENANCE INFORMATION  
MANUAL.  
IS LED VOLTAGE CORRECT?  
Y N

038  
POWER OFF THE DISKETTE UNIT AND REMOVE THE  
DRIVE CONTROL CARD. CHECK FOR AN OPEN LED  
BY MEASURING THE LED RESISTANCE AT  
CONNECTOR A2.  
SEE MAINTENANCE INFORMATION MANUAL PARA.  
A2.8. MEASURE PINS J07 TO J06 FOR A ONE  
SIDED DISKETTE. PINS G07 TO G06 FOR A TWO  
SIDED DISKETTE.  
IS THE LED OPEN ?  
Y N

039  
EXCHANGE DISKETTE DRIVE CONTROL CARD AND  
VERIFY THE REPAIR.  
SEE A3.14 IN THE MAINTENANCE INFORMATION  
MANUAL.

040  
EXCHANGE THE LED ASSEMBLY  
ANY MORE ERRORS?  
Y N

041  
LED WAS BAD.  
VERIFY THE REPAIR.

042  
EXCHANGE DISKETTE DRIVE CONTROL CARD AND  
VERIFY THE REPAIR.  
SEE A3.14 IN THE MAINTENANCE INFORMATION  
MANUAL.

043  
DO PTX/LED ALIGNMENT, SEE A3.13.2 IN THE  
MAINTENANCE INFORMATION MANUAL.

INSERT DISKETTE AND PROBE '+INDEX' ON DRIVE  
CONTROL CARD.  
SEE MAINTENANCE LOGIC DIAGRAM VOL. 1 SF140.  
STILL BAD (NOT PULSING)?  
Y N

044  
ALIGNMENT WAS WRONG.  
VERIFY THE REPAIR.

G H  
4 4

DISKETTE UNIT NOT READY MAP

MAP 0173-5

NOT READY MAP

PAGE 5 OF 6

045  
PERFORM PTX AMPLIFIER SERVICE CHECK.  
SEE A3.13.6 IN THE MAINTENANCE INFORMATION  
MANUAL.  
IS OUTPUT OK FOR AMPLIFIER?  
Y N

046  
EXCHANGE DISKETTE DRIVE CONTROL CARD AND  
VERIFY THE REPAIR.  
SEE A3.14 IN THE MAINTENANCE INFORMATION  
MANUAL.  
PROBE '+INDEX' ON DRIVE CONTROL CARD. SEE  
MAINTENANCE LOGIC DIAGRAM VOL. 1 SF140.  
STILL BAD (NOT PULSING)?  
Y N

047  
DISKETTE DRIVE CONTROL CARD WAS BAD.

048  
EXCHANGE PTX ASSEMBLY.  
SEE A3.13.7 IN THE MAINTENANCE INFORMATION  
MANUAL.  
WITH DISKETTE INSERTED PROBE '+INDEX' ON  
DRIVE CONTROL CARD. SEE MAINTENANCE LOGIC  
DIAGRAM VOL. 1 SF140.  
STILL BAD (NOT PULSING)?  
Y N

049  
BAD PTX ASSEMBLY  
VERIFY REPAIR

050  
GO TO MAP 0070, ENTRY POINT A.

051  
EXCHANGE PTX ASSEMBLY.  
SEE A3.13.7 IN THE MAINTENANCE INFORMATION  
MANUAL.  
WITH DISKETTE INSERTED PROBE '+INDEX' ON  
DRIVE CONTROL CARD. SEE MAINTENANCE LOGIC  
DIAGRAM VOL. 1 SF140.  
STILL BAD (NOT PULSING)?  
Y N

052  
BAD PTX ASSEMBLY  
VERIFY REPAIR

053  
EXCHANGE DRIVE CONTROL CARD IF YOU HAVE NOT  
ALREADY DONE SO. SEE A3.14 IN THE  
MAINTENANCE INFORMATION MANUAL. IF NO  
REPAIR  
GO TO MAP 0070, ENTRY POINT A.

054  
DID YOU COME INTO THIS MAP FROM MAP 0020 OR  
4802 AT ENTRY POINT C.  
Y N

055  
GO TO MAP 0170 ENTRY POINT A AND LOAD HAND  
ROUTINE 2. RETURN HERE AFTER LOADING IT.  
RUN IN INSTRUCTION STEP MODE. IF CC NOT =3  
ROUTINE WAS NOT LOADED CORRECTLY. PRESS  
SYSTEM RESET THEN PRESS START THREE TIMES.  
THE CONDITION CODE IS IN BITS 0,1,2, OF THE  
LSR.  
IS CC=3?  
Y N

056  
CHECK PROGRAM AND ATTEMPT IT AGAIN.

057  
IS THE CONTENTS OF LOCATION 0408 BETWEEN THE  
VALUE OF 5F76 AND 6934?  
Y N

6 6 6  
J K L

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MAP 0173-5

3 5 5 5  
NOT READY MAP

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058

(ENTRY POINT B)  
CHECK COVER PIVOT, LATCH, AND COLLET.  
ARE PIVOT, LATCH, AND COLLET OK?

Y N

059

EXCHANGE BAD PART.  
SEE A3.4, A3.8.1 AND A3.8.3 IN THE  
MAINTENANCE INFORMATION MANUAL.  
VERIFY THE REPAIR.

060

DO HEAD LOAD SOLENOID SERVICE CHECK.  
SEE A3.10.1 IN THE MAINTENANCE  
INFORMATION MANUAL .  
IS ADJUSTMENT OK?

Y N

061

ADJUST SOLENOID.  
VERIFY THE REPAIR.

062

EXCHANGE DISKETTE UNIT ATTACHMENT IF YOU  
HAVE NOT DONE SO ALREADY.  
GO TO PAGE 1, STEP 001,  
ENTRY POINT A.

063

PROBE '+ DISKETTE SENSE'.  
SEE MAINTENANCE LOGIC DIAGRAM VOL. 1  
SF140.  
IF A 43FD DISKETTE IS INSERTED, THIS LINE  
SHOULD BE AT AN UP LEVEL. IF A 33FD  
DISKETTE IS INSERTED, THIS LINE SHOULD BE  
AT A DOWN LEVEL.  
IS IT CORRECT?

Y N

064

CHECK CABLES ,THEN EXCHANGE THE DRIVE  
CONTROL CARD.  
AND CHECK FOR CORRECT OPERATION. SEE  
A3.14 IN THE MAINTENANCE INFORMATION  
MANUAL.

065

PROBLEM IS CORRECTED OR HAS DISAPPEARED.  
RETURN TO SYSTEM ENTRY MAP TO VERIFY THE  
REPAIR.  
GO TO MAP 0020, ENTRY POINT A.

066

ONE SIDED DISKETTE CHECKED OUT O.K. IF YOU  
STILL HAVE A PROBLEM  
GO TO MAP 0070, ENTRY POINT A.

067

GO TO MAP 0273, ENTRY POINT D.

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MAP 0173-6