

ENTRY POINTS

FROM ENTER THIS MAP			

MAP NUMBER	ENTRY POINT	PAGE NUMBER	STEP NUMBER

0180	A	1	001
0180	B	2	010
0180	C	2	010
0180	D	2	010
0180	E	3	010

EXIT POINTS

EXIT THIS MAP		TO	

PAGE NUMBER	STEP NUMBER	MAP NUMBER	ENTRY POINT

1	005	0070	A
2	008	0070	A
2	010	0070	A
3	010	0070	A
3	011	0070	A
1	002	0071	A
2	010	0170	I
2	010	0171	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.

OPEN DISKETTE UNIT DOOR AND POWER OFF EVERY UNIT. REMOVE ALL I/O CARDS FROM PROCESSING UNIT CARD FILE. DISCONNECT PROCESSING UNIT CARD FILE FROM THE REMAINDER OF THE SYSTEM BY REMOVING THE CHANNEL CABLES IF THERE ARE ANY FROM THE LEFTMOST LOCATION IN THE PROCESSING UNIT CARD FILE. PLUG IN DISKETTE UNIT LOAD DEVICE ATTACHMENT CARD INTO THE CHANNEL LOCATION NEAREST TO THE PROCESSING UNIT.

POWER UP THE LOAD DISKETTE UNIT THEN THE PROCESSING UNIT CARD FILE. CHECK THE DATA LAMPS FOR HEXADECIMAL FFFF.
DO DATA LAMPS EQUAL HEXADECIMAL FFFF?
Y N

002
GO TO MAP 0071, ENTRY POINT A.

003
CLOSE DISKETTE UNIT DOOR.
PRESS RESET KEY.
PRESS LOAD KEY.
EXPECT DATA LAMPS TO DISPLAY '2070' OR '2071' FOR APPROXIMATELY 15 SECONDS.
DID DISPLAY = 2070 OR 2071?
Y N

004
IS THE INDICATION IN THE DATA LAMPS THE SAME ONE THAT GOT YOU TO THIS MAP?
Y N

005
YOU MIGHT HAVE CAUSED THIS ERROR WHEN INSTALLING THE DISKETTE UNIT LOAD DEVICE ATTACHMENT CARD IN THE PROCESSING UNIT CARD FILE. VERIFY AGAIN SEATING OF DISKETTE UNIT ATTACHMENT CARD AND DISKETTE UNIT CABLE.
IF NOT OK - VERIFY REPAIR AND GO TO STEP 001, ENTRY POINT A.

IF OK,
GO TO MAP 0070, ENTRY POINT A.

B
1

DISKETTE UNIT IPL ENTRY MAP2

MAP 0181-2

PAGE 2 OF 3

006
 PRESS RESET AND PROBE THE FOLLOWING LINES AT THE DISKETTE UNIT INTERFACE. CONDITION CODE IN BITS 0, 1 AND 2. POLL ID BITS 0, 1, 2, 3, AND 4. REQUEST IN BUS BIT 0. ADDRESS GATE AND ADDRESS GATE RETURN. ALL OF THESE LINES SHOULD BE UP AFTER PRESSING RESET EXCEPT FOR ID BIT 0 WHICH IS DOWN. SEE DISKETTE UNIT MAINTENANCE INFORMATION MANUAL VOL.1 SF100 FOR PIN LOCATION. ARE THEY ALL AT THE CORRECT LEVEL?

Y N

007
 POWER DOWN, REMOVE DISKETTE UNIT CARD FROM PROCESSING UNIT CARD FILE AND POWER ON AGAIN, PROBE THE FAILING LINE(S). LINE(S) AT CORRECT LEVEL?

Y N

008
 THE PROBLEM IS MOST PROBABLY A PROCESSING UNIT CARD OR THE PROCESSING UNIT BOARD. THE DISKETTE UNIT ATTACH. CARD IS PROBABLY NOT THE FIELD REPLACEABLE UNIT. GO TO MAP 0070, ENTRY POINT A.

009
 EXCHANGE DISKETTE UNIT LOAD DEVICE ATTACHMENT CARD. VERIFY THE REPAIR.

010
 EXCHANGE THE DISKETTE UNIT ATTACH. CARD. VERIFY THE REPAIR. IF IT STILL FAILS, CONTINUE IN THIS MAP. GO TO STEP 010, ENTRY POINT B.

(ENTRY POINT B)

YOU ARE TO GO TO MAP 0170, ENTRY POINT I, AFTER RECORDING THE CONTENTS OF THE STORAGE LOCATIONS BELOW UNDER THE MAP 0181 LABEL. WHEN YOU ARE REQUESTED IN MAP 0170 TO DISPLAY THE CONTENTS OF SPECIFIC STORAGE LOCATIONS, USE THE CONVERSION TABLE BELOW TO COMPARE THEM WITH WHAT YOU HAVE JUST RECORDED. FOR EXAMPLE, WHEN IN MAP 0170 YOU ARE REQUESTED TO GIVE THE CONTENTS OF LOCATION 0006. YOU SHOULD SEE WHAT YOU HAVE JUST RECORDED IN LOCATION 028E.

RECORD STORAGE CONTENTS AND

	ENTRY PROGRAM	IPL MAP
	MAP 0181	MAP 0170
LOCATION	028E	0006
(EVEN BYTE)	0B08	000C
	0B0A	000E
	0B0C	0010

GO TO MAP 0170, ENTRY POINT I.

(ENTRY POINT C)

THIS IS A DISKETTE UNIT SEEK ERROR. EXCHANGE THE DISKETTE DRIVE CONTROL CARD. SEE MAINTENANCE INFORMATION MANUAL PARA. A3.14. VERIFY THE REPAIR. IF IT STILL FAILS GO TO DISKETTE UNIT LOAD DEVICE ENTRY MAP 0171. THEN GO TO SEEK ERROR MAP 0174 ENTRY POINT A. GO TO MAP 0171, ENTRY POINT A.

(ENTRY POINT D)

EXCHANGE DISKETTE UNIT LOAD DEVICE ATTACHMENT CARD AND VERIFY THE REPAIR. IF NO REPAIR GO TO MAP 0070, ENTRY POINT A.

(STEP 010 CONTINUES)

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MAP 0181-2

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(STEP 010 CONTINUED)
(ENTRY POINT E)

THIS IS A DIAGNOSTIC DATA WRAP FAILURE. THE
DISKETTE UNIT DEVICE BOX IS PROBABLY GOOD.
THE VFO (VARIABLE FREQUENCY OSCILLATOR) CARD
AND THE ATTACHMENT CARD MAY BE IN ERROR. GO
TO MAP 0170. IF NO REPAIR
GO TO MAP 0070, ENTRY POINT A.

011
PROBLEM WHICH GOT YOU TO THIS MAP HAS GONE
AWAY. GO TO MAP 0070 TO ISOLATE THE I/O CARD
WHICH IS CAUSING THE FAILURE.
GO TO MAP 0070, ENTRY POINT A.