CHANNEL PROBLEM ATTACHMENT - DEVICE MAP PAPER ONLY MAP

PAGE 1 OF 20

EN	TR	Υ	PO	11	ITS
----	----	---	----	----	-----

Little 1 Ozirio				
FROM	ENTER	THIS MAP		
MAP NUMBER	ENTRY	PAGE NUMBER	STEP NUMBER	
0000 0000 0000 0000 0000 0000 0000 0000 0000	ABCDEGT LRT DEBIC		1958406284515956 000133778800251956 000000000000000000000000000000000000	

EXIT POINTS EXIT THIS MAP I TO PAGE STEP NUMBER NUMBER MAP ENTRY

(ENTRY POINT A) SYSTEM IS:

THE PROCESSING UNIT YOU ARE USING TO PUN DIAGNOSTIC(S) AND ITS ASSOCIATED ATTACHMENT(S) AND DEVICE(S).

IF ANY OTHER MAP HAS INSTRUCTED YOU TO MOVE OR REMOVE CARD(S), RETURN THE SYSTEM TO THE ORIGINAL CONFIGURATION.

IS THIS YOUR FIRST ENTRY INTO THIS MAP?

 $^{002}_{
m GO}$  to map 0071, entry point A.

SOME CHANNEL PROBLEMS CAUSE MORE THAN ONE FAILURE, SUCH AS:

- MORE THAN ONE FAILURE IN THE CONFIGURATION PROGRAM.

  MORE THAN ONE FAILURE IN A COMMUNICATION ATTACHHENT WITH MORE THAN ONE FAILURE IN A SUBSTIEM WITH MORE THAN ONE PEVICE.

IF THE FAILURE THAT SENT YOU HERE WAS ONLY ONE (1) FAILURE, - ANSWER THE FOLLOWING QUESTION 'NO'.

IS THE PROBLEM THAT SENT YOU HERE A 'MORE THAN ONE' FAILURE?

(ENTRY POINT CT)

IF THE PROCESSING UNIT CAN DIAGNOSTIC(S), AS FOLLOWS: RUN

- 1. IF THE DIAGNOSTICS CAN PRINT OR DISPLAY A 2. IF A PROGRAMMER OR C E CONSOLE IS THE CONSOLE, 3800 IS IN THE DATA LEDS!.

IF THE PROCESSING UNIT CAN NOT RUN DIAGNOSTIC(S), AS FOLLOWS:

- 1. IF THE FAILURE WAS AT POWER ON TIME (NO FFFF IN THE DATA LEDS).
  2. YOU CAN NOT IPL THE SYSTEM.
   ANSWER THE FOLLOWING QUESTION 'NO'.

CAN THE PROCESSING UNIT BE USED TO RUN DIAGNOSTIC(S)?

CHANNEL ATTACHMENT - DEVICE MAP PAPER ONLY MAP PAGE 2 OF 20

CENTRY POINT SF)

THE METHOD USED IN THIS MAP IS REMOVAL

THESE CONDITIONS MUST BE MET FOR THIS MAP TO BE EFFECTIVE. 1. A DIAGNOSTIC OR ANY TEST MUST SHOW A FAILURE. 2. MAP(S) CANNOT IDENTIFY OR REPAIR THE FAILURE. SYSTEM IS:

THE PROCESSING UNIT YOU ARE USING TO DIAGNOSE THE PROBLEM, AND ITS ASSOCIATED ATTACHMENT(S) AND DEVICE(S).

- SEE NOTE ONE (1) --->

SEE PINTED OR DISPLAYED A MESSAGE SINCELTHE HAS THE ALTERNATE CONSOLE PRINTED OR DISPLAYED A MESSAGE SINCE THE LAST IPL?

OO6
- POWER THE SYSTEM OFF.

- SEE NOTE TWO (2) --->

DETERMINE PER NOTE THO (2) IN WHAT STEP YOUR FIRST FAILURE OCCURRED. AND ERROR INDICATIONS OBSERVED TO ANSWER QUESTION WHEN REQUESTED IN THIS MAP, IT IS MAP, IT IS TO ANSWER FAILURE INDICATIONS?'

DOES THE SYSTEM FAIL IN STEPS ONE (1) OR TWO  $\binom{2}{2}$ ?

007 DOES THE SYSTEM FAIL IN STEPS THREE (3) THROUGH SIX (6)?

NOTE ONE (1)

IF PROGRAMMER CONSOLE OR C. DE MAINTENANCE CONSOLE TOOL IS THE ONLY CONSOLE USED BEFORE ENTERING THIS MAP, REFERENCE DIAGNOSTIC SERVICE GUIDE, 07.01.00, PROGRAMMER CONSOLE OPERATION.

NOTE TWO (2) GO TO THE NEXT QUESTION AND USING THIS RECORDED INFORMATION, ANSWER THE QUESTION. (THIS IS THE FAILURE INDICATION FOR THIS MAP)

- 1. THE SYSTEM SHOULD POWER ON WITH 'FFFF' IN THE DATA LAMP'S AND ALL OTHER LED(S) CORRECT FOR THE SYSTEM.
- 2. AFTER PRESSING THE RESET KEY, '0000' SHOULD BE IN THE DATA LAMPS AND ALL OTHER LED(S) CORRECT FOR THE SYSTEM.
- 3. AFTER PRESSING THE LOAD KEY, 'XXXX' HILL BE IN THE DATA LAMPS. AFTER ONE MINUTE, DCP SHOULD LOAD.
  4. WHEN DCP IS LOADED CORRECTLY, A 'RDY ENTER' MESSAGE WILL BE INDICATED ON THE ALTERNATE CONSOLE AND/OR '3800' IN THE DATA LAMPS.
- 5. IN AUTO MODE, ALL DEVICE(S) WILL BE TESTED.
- 6. IF IN MANUAL MODE A SELECTED DEVICE WILL BE TESTED.

20N0V81 PN1635008 EC466795 PEC987889 MAP 0070-2

F 6 CHANNEL ATTACHMENT - DEVICE MAP PAPER ONLY MAP PAGE 3 OF 20

THE 'FAILURE INDICATION' IS IN SOME OTHER TEST. ANY BE IN 'SYSTEM TEST', 'FRIEND', OR OTHER TEST'. 'FRIEND', OR USE THE 'FAILURE INDICATION' FROM THE FAILURG TEST FOR THE 'FAILURE INDICATION' IN THIS MAP GO TO STEP 009, ENTRY POINT B.

009 (ENTRY POINT B)

REFERENCE FIRST FAILURE RECORDED IN NOTE TWO (2). THIS FIRST FAILURE INDICATOR TO DETERMINE THE PROBLEM.

- POWER THE SYSTEM OFF.
- SEE NOTE THREE (3) --->

LEAVE STATED DISKETTE UNIT AND ITS ATTACHMENT CARD SEATED IN THE BOARD ON THE SYSTEM ATTACHMENT CARD(S), IF ANY, HUST BE UNSEATED NOW.

IF AN EXPANSION BOARD IS CABLED TO THIS PROCESSING UNIT BOARD, THE ATTACHMENT CARD(S) INSTALLED IN IT MUST BE UNSEATED, UNLESS THE CUSTOMER WILL NOT PERMIT THIS.

DO NOT UNSEAT THESE CARD(S), IF INSTALLED:

ADDRESS TRANSLATOR CARD. CHANNEL REPOWER CARD(S). FLOATING POINT CARD(S). PROCESSING UNIT CARD(S). STORAGE CARD(S).

ON A 4952 PROCESSING UNIT: THE DISKETTE ATTACHMENT CARD IS NORMALLY INSTALLED IN THE CARD LOCATION NEXT TO THE PROCESSING UNIT CARD.

ON A 4953 PROCESSING UNIT:

THE DISKETTE ATTACHMENT CARD IS NORMALLY INSTALLED IN THE CARD LOCATION NEXT TO THE LAST STORAGE CARD INSTALLED ON THE SYSTEM.

ON A 4954 PROCESSING UNIT:

THE DISKETTE ATTACHMENT CARD IS NORMALLY NOTATED IN THE CARD LOCATION NEXT TO THE PROCESSING UNIT CARD OR NEXT TO A STORAGE CARD IF INSTALLED ON THE SYSTEM.

ON A 4955 PROCESSING UNIT:

THE DISKETIE ATTACHMENT CARD IS NORMALLY INSTALLED IN THE CARD LOCATION NEXT TO THE PROCESSING UNIT CARD, IF INSTALLED.

IS THE DISKETTE ATTACHMENT CARD INSTALLED IN ONE OF THESE LOCATION(S)?

ARE YOU USING A 4955 PROCESSING UNIT TO RUN THE DIAGNOSTIC(S)?

ARE YOU USING A 4953 PROCESSING UNIT TO

NOTE THREE (3).

UNSEAT, MEANING ELECTRICALLY ISOLATE IT IS ONLY NECESSARY TO PULL OUT CARD(S) ONE INCH.

\*\*\*\* CAUTION \*\*\*\*

DO NOT REMOVE CARD(S) FROM CARD GUIDE(S)

18V0N05 PN1635008 EC466795 PEC987889 MAP 0070-3

A J R E

CHANNEL ATTACHMENT - DEVICE MAP 3 8 F PAPER ONLY MAP PAGE 4 OF 20 012 YOU HAVE A 4952 PROCESSING UNIT INSTALLED. - INSTALL A POLL JUMPER FROM PIN MIL TO PIN MI2 IN EACH CARD POSITION WHERE A CARD IS UNSEATED.
- SEE THE CORRECT BOARD LOGIC (AXXXX) FOR THE POLL NETWORK. GO TO PAGE 5, STEP 015, ENTRY POINT C. O13 HAVE A 4953 PROCESSING UNIT INSTALLED THE 4953 HAS A PROCESSING UNIT INSTALLED CARD (\$) INSTALLED THE PROCESSING UNIT HITH STORAGE LOCATION NEXT TO THE PROCESSING UNIT AND THE LAST STORAGE CARD INSTALLED. - INSTALL A POLL JUMPER FROM PIN M11 TO PIN M12 IN EACH CARD POSITION WHERE A CARD IS UNSEATED VOLUME 1 BOARD LOGIC (AXXXX) FOR THE POLL NETWORK. GO TO PAGE 5, STEP 015, ENTRY POINT C. O14
INSTALL A POLL JUMPER FROM PIN M11 TO PIN M12 IN EACH CARD POSITION WHERE A CARD IS UNSEATED.

SEE HLD VOLUME 1 BOARD LOGIC (AXXXX) FOR THE POLL NETWORK.

GO TO PAGE 5, STEP 015, ENTRY POINT C.

¥

CHANNEL ATTACHMENT - DEVICE MAP PAPER ONLY MAP PAGE 5 OF 20

(ENTRY POINT C)

- POWER THE SYSTEM ON.

LOAD, IF NECESSARY, AND RUN TO FAILURE POINT.

- SEE NOTE FOUR (4) --->
IT MUST BE READ AND UNDERSTOOD BEFORE GOING
ON.

NOTE FOUR (4)

IF YOU ARE USING THE CONFIGURATION PROGRAM AS THE PERROR INDICATION, REFERENCE DIAGNOSTIC SERVICE GUIDE 06.02.00. FOR MORE INFORMATION.

IF YOU ARE NOT USING THE CONFIGURATION PROGRAM AS THE 'ERROR INDICATION', THERE WILL BE CONFIGURATION ERROR(S), ONE FOR EACH CARD UNSEATED. THERE SHOULD BE AN 'IN TABLE - NOT IN HARDWARE', (DATA LAMPS = 3841) MESSAGE FOR EACH CARD UNSEATED.

THESE ERRORS SHOULD BE IGNORED THEY ARE NOT ERROR INDICATIONS

TO TERMINATE THE CONFIGURATION PROGRAM ON AN ALTERNATE CONSOLE WITH ITS KEYBOARD WORKING, WHEN THE MESSAGE ON THE ALTERNATE CONSOLE IS:
'CONFIGURATION ERRORS'
'OI = TERMINATE ERRORS'
'OI = PRINT ALE ERRORS'
'OI = PRINT OFTIONS'
'OI = BYPASS TWO CHANNEL SWITCH ERROR'

ENTER ON KEYBOARD AS FOLLOWS: FOI = TERMINATE OR RETURN

TO TERMINATE THE CONFIGURATION PROGRAM IF THE PROGRAMMER CONSOLE IS THE INPUT DEVICE OR IF AND THE CONSOLE IS THE INPUT DEVICE OR IF WORKING, SEE TABLE ONE (I) BELOW.

TABLE ONE (1)

DATA LAMPS EQUAL	ENTER ON CONSOLE		
3801 CONSOLE NOT AVAILABLE	(D) 6 (I) (I)		
382A CUSTOMER INTERFACE	(D) 6 (I) (I)		
3822 CONFIGURATION PROGRAM	{B} 0100 {I} (I)		
3800RDY ENTER	AUTO OR MANUAL RUN		

(D) - PRESS THE DATA BUFFER KEY.

REFERENCE DIAGNOSTIC SERVICE GUIDE, 07.01.00., FOR PROGRAMMER CONSOLE OPERATION.

DOES THE TEST FAILURE PAPER ONLY MAP
PAGE 6 OF 20

016 DISKETTE UNIT AND PROCESSING UNIT AND STORAGE ARE O.K. - FOWER THE SYSTEM OFF.

IF POLL JUMPERS WERE NOT INSTALLED IN THE CARD POSITION(S) WHERE CARD(S) ARE UNSEATED:

- INSTALL A POLL JUMPER FROM PIN M11 TO PIN M12 IN EACH CARD POSITION WHERE A CARD IS UNSFATED.
- SEE HLD VOLUME 1.
- SEE HLD CORRECT BOARD LOGIC (AXXXX) FOR THE POLL NETWORK.

IS AN ALTERNATE CONSOLE AVAILABLE TO THE PROCESSING UNIT, IF USABLE OR NOT?

017
YOU DO NOT HAVE AN ALTERNATE CONSOLE.
YOU ARE USING THE CONSOLE LAMPS AND SWITCHES
TO COMMUNICATE WITH PROCESSING UNIT.
REMEMBER CONFIGURATION ERRORS WILL HAVE TO
BE VERIFIED WHEN USING THIS MAP.
REFERENCE DIAGNOSTIC SERVICE GUIDE 07.01.00,
CONSOLE OPERATION, FOR AID IN USING CONSOLE
TO RUN A DIAGNOSTIC.

GO TO PAGE 15, STEP 070, ENTRY POINT G.

CHANNEL ATTACHMENT - DEVICE MAP PAPER ONLY MAP PAGE 7 OF 20

(ENTRY POINT D)

- POWER THE SYSTEM OFF.

ALTERNATE CONSOLE ATTACHMENT CARD IS UNSEATED. SEAT THE ALTERNATE CONSOLE ATTACHMENT CARD.

- REMOVE THE FOLL JUMPER FROM PIN MIL TO PIN MIZ IN THE CARD POSITION WHERE THE CARD WAS JUST SEATED.
  SEE HLD VOLUME 1.
  SEE HLD CORRECT BOARD LOGIC (AXXXX) FOR THE POLL NETWORK.
- POWER THE SYSTEM ON.

LOAD, IF NECESSARY, AND RUN TO THE FAILURE

- SEE NOTE FIVE (5) --->
IN MUST BE READ AND UNDERSTOOD BEFORE GOING

NOTE FIVE (5)

IF YOU ARE NOT USING THE CONFIGURATION PROGRAM AS THE ERROR INDICATION', THERE WILL BE CONFIGURATION ERROR(S), ONE FOR EACH CARD UNSEATED IN HARDWARE', (DATA LAMPS = 3841) MESSAGE FOR EACH CARD UNSEATED.

THESE ERRORS SHOULD BE IGNORED THEY ARE NOT ERROR INDICATIONS

TO TERMINATE THE CONFIGURATION PROGRAM ON AN ALTERNATE CONSOLE WITH ITS KEYBOARD WORKING, WHEN THE MESSAGE ON THE ALTERNATE CONSOLE IS: 'CONFIGURATION ERRORS'
'O = TERMINATE'
'O = PRINT ALL ERRORS'
'O = PRINT ALL ERRORS'
'O = PRINT OPTIONS'
'O 4 = BYPASS TWO CHANNEL SWITCH ERROR'

ENTER ON KEYBOARD AS FOLLOWS: FOI ENTER OR RETURN

TO TERMINATE THE CONFIGURATION PROGRAM IF THE PROGRAMMER CONSOLE IS THE INPUT DEVICE OR IF AN ALTERNATE CONSOLE WITH KEYBOARD IS NOT WORKING, SEE TABLE ONE (1) BELOW.

TABLE ONE (1)

A	
DATA LAMPS EQUAL	ENTER ON CONSOLE
3801 CONSOLE NOT AVAILABLE	(I) (I) 6 (I)
382A. CUSTOMER INTERFACE	(D) 6 (I) (I)
3822 CONFIGURATION PROGRAM	{B} 0188 {I} (I)
3800RDY ENTER	AUTO OR MANUAL RUN

(D) - PRESS THE DATA BUFFER KEY.
(I) - PRESS THE CONSOLE INTERRUPT KEY.

REFERENCE DIAGNOSTIC SERVICE GUIDE, 07.01.00., FOR PROGRAMMER CONSOLE OPERATION.

DOES THE TEST FAIL WITH THE SAME FAILURE UNICATIONS?

ESSING UNIT, DISKETTE UNIT AND CONSOLE ARE NOT FAILING OF CONFIGURATION OF THE SYSTEM AT SITUTE THE ALTERNATE CONSOLE.

GURATION ERRORS FOR AN UNSEATED TABLE NOT IN HARDWARE.'

THEY ARE TO BE IGNORED, UNLESS THEY ARE PART OF THE ORIGINAL FAILURE INDICATIONS. GO TO PAGE 15, STEP 070, ENTRY POINT G.

PAPER ONLY MAP

PAGE 8 OF 20

020 - POWER THE SYSTEM OFF.

EXCHANGE THE ALTERNATE CONSOLE ATTACHMENT CARD WITH A KNOWN GOOD CARD REVIEW THE JUMPERING ON ATTACHMENT CARD. POWER THE SYSTEM ON.

LOAD, IF NECESSARY, AND RUN TO THE FAILURE POINT.

DOES THE TEST FAIL WITH THE SAME FAILURE INDICATIONS?

021 THE ALTERNATE CONSOLE ATTACHMENT CAPD FAILED - VERIFY THE REPAIR

022 HAS THE DISEETTE UNIT ATTACHMENT CARD BEEN EXCHANGED BEFORE? Y N

023 GO TO STEP 025, FNIBY POINT ON

024
IF AN ATTACHMENT/DEVICE CARD(S) WAS
EXCHANGED IN THE MAP, IT IS THE 'SUSPECT
ATTACHMENT CARD' IN MAP 0071,
GO TO MAP 0071, ENTRY POINT A.

025 (ENTRY POINT DU)

THE DISKETTE UNIT MAY BE THE FAILING ATTACHMENT/DEVICE.

- POWER THE SYSTEM OFF.
- SEE IF THE DISKETTE UNIT ATTACHMENT CARD WAS EXCHANGED FREVIOUSLY.

WAS THE DISKETTE UNIT ATTACHMENT CARD EXCHANGED PREVIOUSLY?

026
THE ADDRESS JUMPERING AND ALL OTHER JUMPERS
SHOULD BE CORRECT ON THE ATTACHMENT CARD.

- INSPECT THE JUMPERING ON DISKETTE UNIT ATTACHMENT CARD.

IS THE ADDRESS JUMPERING AND ALL OTHER JUMPERS CORRECT?

027 - CORRECT THE JUMPERING ON DISKETTE UNIT ATTACHMENT CARD. - VERIFY THE REPAIR

028
- SEE IF ANOTHER DISKETTE UNIT IS AVAILABLE
TO THE PROCESSING UNIT
- SEE IF
AVAILABLE TO THE PROCESSING UNIT
YOU MUST HAVE ANOTHER ATTACHMENT CARD AND A
DISKETTE UNIT AVAILABLE, NOT THE ATTACHMENT/
DEVICE USED PREVIOUSLY.

IS THERE ANOTHER ATTACHMENT/DISKETTE UNIT

029
- EXCHANGE THE DISKETTE UNIT ATTACHMENT CARD WITH A KNOWN GOOD CARD.
- POWER THE SYSTEM ON.

LOAD IF HECESSARY, AND RUN TO THE FAILURE POINT.

DOES THE TEST FAIL WITH THE SAME FAILURE INDICATIONS?

O30 THE DISKETTE UNIT ATTACHMENT CARD FAILED VERIFY THE REPAIR CHANNEL ATTACHMENT - DEVICE MAP
PAPER ONLY MAP
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TATE AN ATTACHMENT/DEVICE CARD(S) WAS EXCHANGED IN THE MAP, IT IS THE SUSPECT ACHIENT OF THE SUSPECT GO TO MAP 0071, ENTRY POINT A.

OSE IF JTHIS AVAILABLE ATTACHMENT/DISKETTE

IS IT JUMPERED FOR A LOAD DEVICE?

033
- ENSURE THE IPL JUMPERING ON THE ATTACHMENT CARD IS FOR THIS DISKETTE UNIT TO BE A LOAD DEVICE.
- SEE THE DISKETTE UNIT MAINTENANCE INFORMATION MANUAL FOR JUMPERING INSTRUCTION.
GO TO STEP 034, ENTRY POINT E.

034 (ENTRY POINT E)

SI

- SEAT OR INSTALL THE AVAILABLE DISKETTE UNIT ATTACHMENT CARD AND DEVICE, WHEN NECESSARY, REMOVE THE POLL JUMPER FROM PIN MILTO PIN MILTO WAS JUST SEATED.

- SEE THE CARD POSITION WHERE THE CARD WAS JUST SEATED.

- SEE THE CORRECT BOARD LOGIC (AXXXX) FOR THE POLL NETWORK OF THE LOAD DEVICE TO RUN THE DIAGNOSTIC.

- UNSEAT THE SUSPECT DISKETTE UNIT ATTACHMENT CARD USED PREVIOUSLY FOR THE LOAD DEVICE TO RUN THE DIAGNOSTIC.

- INSTALL A POLL JUMPER FROM PIN MILTO PIN MILS ATED.

- SEE HLD VOLUME!

- SEE HLD VOLUME!

- SEE THE CORRECT BOARD LOGIC (AXXXX) FOR THE POLL NETWORK.

- FOWER THE SYSTEM ON.

LOAD, IF NECESSARY, FROM THIS DISKETTE UNIT AND RUN TO THE FAILURE FOINT.

DOES THE TEST FAIL WITH THE SAME FAILURE INDICATIONS?

035 THE ORIGINAL DISKETTE ATTACHMENT/ DEVICE UNSEATED IS NOW SUSPECT.

- FOWER THE SYSTEM OFF - SEAT THE SUSPECT DISKETTE UNIT ATTACHMENT CARD - POWER THE SYSTEM ON.

IF THE DISKETTE	GO TO MAP
UNIT IS:	PROLOG:
4962 MODEL 2(F)	4800
4962 MODEL 4 OR A	4800
4964	4800
4965	4800
4966	4800
4952 MODEL C	4800
4954 HODEL C	4800

- RUN THE 4X00 MAP DIAGNOSTIC USING THE WORKING DISKETTE UNIT FOR THE LOAD DEVICE.

- POWER THE SYSTEM OFF.
- RETURN THE AVAILABLE DISKETTE UNIT ATTACHMENT
- RETURN THE AVAILABLE DISKETTE UNIT ATTACHMENT CARD AND DEVICE TO ORIGINAL CONDITIONS.

POLL ON THE BOARD AND THE IPL JUMPER(S) ON THE ATTACHMENT CARD(S) MUST BE RETURNED TO THE ORIGINAL CONDITIONS.

IF AN ATTACHMENT/DEVICE CARD(S) WAS EXCHANGED IN THE MAP, IT IS THE SUSPECT ATTACHMENT GOTO MAP 0071, ENTRY POINT A.

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ER CHANNEL ATTACHMENT - DEVICE MAP

PAPER ONLY MAP

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OJ7

IF AN ATTACHMENT/DEVICE CARD(S) WAS EXCHANGED IN THE MAP, OT IS THE SUSPECT GO TO MAP 0071, ENTRY POINT A.

OJAB - SEE NOTE TWO (2).

YOU SHOULD HAVE RECORDED THE FIRST FAILURE INDICATION TO DETERMINE THE PROBLEM.

- POWER THE SYSTEM OFF.

IF AN EXPANSION BOARD IS CABLED TO THIS PROCESSING UNIT BOARD, THE ATTACHMENT CARD(S) THE CUSTOMER WILL NOT PERMIT THIS.

DO NOT UNSEAT THESE CARD(S), IF INSTALLED:

ADDRESS TRANSLATOR CARD.

CHANNEL REPOWER CARD(S).

FLOATING POINT CARD(S).

FLOATING POINT CARD(S).

THO CHANNEL SHITCH CARD(S).

STORAGE CARD(S).
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- UNSEAT ALL I/O ATTACHMENT CARD(S) INCLUDING DISKETTE UNIT ATTACHMENT CARD.

UNSEAT, MEANING ELECTRICALLY ISOLATE. IT IS ONLY NECESSARY TO PULL OUT CARD(S) ONE INCH.

\*\*\*\*\* CAUTION \*\*\*\*\*

DO NOT REMOVE CARD(S) FROM CARD GUIDE(S)

- POWER THE SYSTEM ON SEE THE FAILURE INDICATION NOTED PREVIOUSLY.

OFFICE THE FAILURE INDICATION NOTED PREVIOUSLY.

OFFICE THE SEST FAIL WITH THE SAME FAILURE INDICATIONS?

OFFICE THE PROCESSING UNIT AND STORAGE ARE O.K.

OFFICE THE DISKETTE UNIT ATTACHMENT CARD.

OFFICE THE SYSTEM OFFICE OFFICE TO MAP 5071, ENTRY POINT PR.

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CHANNEL ATTACHMENT - DEVICE MAP
B B
                                 PAPER ONLY MAP
                                 PAGE 11 OF 20
   O41
- POWER THE SYSTEM OFF A TERNATE CONSOLE AND THE DISKETTE UNIT AND THEIR ATTACHMENT CAPD(S)
- LEAVE THE UNIT AND THEIR ATTACHMENT CAPD(S)
- SEATED IN THE BOARD ON THE SYSTEM.
IF AN EXPANSION BOARD IS CABLED TO THIS PROCESSING UNIT BOARD, THE ATTACHMENT CARD(S) INSTALLED IN IT MUST BE UNSEATED, UNLESS THE CUSTOMER WILL NOT PERMIT THIS.
         ADDRESS TRANSLATOR CARD.
CHANNEL REPOWER CARD(S).
FLOATING POINT CARD.
PROCESSING UNIT CARD(S).
TWO CHANNEL SWITCH CARD(S).
STORAGE CARD(S).
UNSEAT ALL OTHER ATTACHMENT CARD(S), IF
     UNSEAT, MEANING ELECTRICALLY ISOLATE. IT IS ONLY NECESSARY TO PULL CARD OUT ONE INCH.
      - DO NOT REMOVE CARD(S) FROM THEIR GUIDES. - POWER THE SYSTEM ON.
     LOAD, IF NECESSARY, AND SEE IF THERE IS A FAILURE.

A CONFIGURATION ERROR CAUSED BY UNSEATED CARDS IS NOT A FAILURE.
     DOES THE TEST FAIL WITH THE SAME FAILURE INDICATIONS?
         042
THE PROCESSING UNIT AND STORAGE ARE O KIT
THE ALTERNATE CONSOLE AND DISKETTE UNIT
ARE O.K.
GO TO PAGE 15, STEP 070,
ENTRY POINT G.
     - POWER THE SYSTEM OFF.
     GO TO MAP 0071, ENTRY POINT PR.
    444
DO NOT RUN MANUAL DIAGNOSTICS ON AN ATTACHMENT OR DEVICE THAT IS NOT SUSPECT. THE MANUAL MAPS WILL FAIL AND CALL OUT A FIELD REPLACEMENT UNIT FOR EACH MAP RUN. REMEMBER - YOU HAVE A CHANNEL PROBLEM. SEE THE SUSPECT ATTACHMENT OR DEVICE THAT SENT YOU HEPE. SENT YOU HEPE. SET IF ALL THE MANUAL DIAGNOSTICS HAVE BEEN RUN ON THIS SUSPECT ATTACHMENT OR DEVICE.
HAVE ALL THE MANUAL DIAGNOSTICS BEEN RUN ON THE SUSPECT DEVICE?
    045
- RUN THE MANUAL DIAGNOSTICS ON THE SUSPECT ATTACHMENT OR DEVICE.
- SEE IF A FIELD REPLACEMENT UNIT IS FOUND.
- SEE IF THIS FIELD REPLACEMENT UNIT WAS EXCHANGED PREVIOUSLY.
     WAS IT EXCHANGED BEFORE ENTERING THIS MAP?
         046
- EXCHANGE THE FIELD REPLACEMENT UNIT.
IF NO REPAIR:
GO TO PAGE 2, STEP 005,
ENTRY POINT SF.
     047
GO TO PAGE 2, STEP 005, ENTRY POINT SF.
```

GO TO PAGE 2, STEP 005, ENTRY POINT SF.

CHANNEL ATTACHMENT - DEVICE MAP PAPER ONLY MAP PAGE 12 OF 20

049 THERE IS 'MORE THAN ONE FAILURE' ON THE SYSTEM. - SEE IF A CHANNEL REPOWER CARD IS INSTALLED ON THE SYSTEM. IS A CHANNEL REPOWER CARD INSTALLED ON THE SYSTEM?

050 (ENTRY POINT TC)

- SEE IF A TWO CHANNEL SWITCH IS INSTALLED ON THE SYSTEM. THE SYSTEM? CHANNEL SWITCH CARD INSTALLED ON

(ENTRY POINT ME)

OFFICE OF THE DEVICE (S) HAVING ERRORS ARE INSTALLED IN THE SAME CARD FILE. ARE ALL THE ERRORS IN THE SAME CARD FILE?

ARE ALL THE ERRORS IN THE SAME Y N

053 - SEE IF ALL THE DEVICE(S) HAVING ERRORS HAVE THE SAME ATTACHMENT CARD. DO ALL THE ERRORS HAVE THE SAME

OF ARE PART OF A SUBSYSTEM.

ARE PART OF A SUBSYSTEM.

ARE PART OF A SUBSYSTEM.

4982

4987

PROGRAMMABLE COMMUNICATION

20N0V81 PN1635008 EC466795 PEC987889 MAP 0070-12

Y W X Y Z CHANNEL ATTACHMENT - DEVICE MAP 2 2 2 2 2 PAPER ONLY MAP 1 | | | PAGE 13 OF 20

60 TO PAGE 1, STEP 004, ENTRY POINT CT.

EXCHANGED BEFORE ENTERING THIS MAP, WAS HAS THIS ATTACHMENT CARD, BEEN EXCHANGED

OSE - EXCHANGE THE ATTACHMENT CARD. IF NO REPAIR, GO TO PAGE 1, STEP 004, ENTRY POINT CT.

057 GO TO PAGE 2, STEP 005, ENTRY POINT SF.

OSB
- GO TO THE SUBSYSTEM PROLOG.
- RUN ALL MANUAL MAP'S) NOT RUN ALREADY
FOR THE PROBLEM BEFORE STARTING THIS
MAP.
(ONLY IF THE SUBSYSTEM MAP SHOWS A
FAILURE)

DO THESE MAP(S) CALL OUT THE SAME FIELD

059 - EXCHANGE THE FIELD REPLACEMENT UNIT. IF NO REPAIR, GO TO PAGE 2, STEP 005, ENTRY POINT SF.

060 DO NOT EXCHANGE THE FIELD REPLACEMENT UNIT. THE FIELD REPLACEMENT UNIT HAS BEEN EXCHANGED ONCE EXCHAN

- SEE THE CORRECT BOARD LOGIC(S).

ARE ALL THE VOLTAGES CORRECT?

062 TO CORRECT THE POWER PROBLEM: GO TO MAP 1470, ENTRY POINT A

60 TO PAGE 1, STEP 004, ENTRY POINT CT.

064 - POWER THE SYSTEM OFF.

IE MORE THAN ONE (1) TWO CHANNEL REFLECEMENT

- EXCHANGE THE TWO CHANNEL SWITCH CARD WITH A KNOWN GOOD CARD.
- POWER THE SYSTEM ON.

DOES THE TEST FAIL WITH THE SAME INDICATIONS?

065 THE TWO CHANNEL SWITCH CARD IS BAD. - VERIFY THE REPAIR

066 GO TO PAGE 12, STEP 051, ENTRY POINT ME. A 'SUBSYSTEM' IS:
4982 SENSOR I/O (SIO)
4987 PROGRAMMABLE COMMUNICATION

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CHANNEL ATTACHMENT - DEVICE MAP
PAPER ONLY MAP
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COTOMER THE SYSTEM OFF.

IF MORE THAN ONE (1) CHANNEL REPOWER CARD IS INSTALLED, USE THEM FOR FIELD REPLACEMENT UNIT ISOLATION.

- EXCHANGE THE CHANNEL REPOWER CARD WITH A FOWER THE SYSTEM ON.

OOES THE TEST FAIL WITH THE SAME INDICATIONS?

N

OOES THE TEST FAIL WITH THE SAME INDICATIONS?

N

OOES THE TEST FAIL WITH THE SAME INDICATIONS?

OOES THE TEST FAIL WITH THE SAME INDICATIONS?

OOES TO PAGE 12, STEP 050, ENTRY POINT TC.
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CHANNEL ATTACHMENT - DEVICE MAP PAPER ONLY MAP PAGE 15 OF 20

070 (ENTRY POINT G)

BECAUSE OF THE VARIABLES IN A SYSTEM CONFIGURATION, IT IS NOT POSSIBLE FOR THIS MAP TO GIVE EXACT INSTRUCTION(S) ON HOW TO JUMPER THE POLL INSTRUCTION(S) ON HOW TO JUMPER THE POLL INSTRUCTION(S) CANNOT BE LEFT CONSECUTIVE CARD LOCATION(S) CANNOT BE LEFT EMPTY.

INSTALL A POLL JUMPER FROM PIN MIL TO PIN MIL INSTALL CARD POSITION(S) WHEN A CARD IS UNSEATED.

REMOVE A POLL JUMPER FROM PIN MIL TO PIN MIL IN THE CARD POSITION WHEN A CARD IS SEATED.

NOTE
POLL IS, SENT FROM BOARD TO BOARD THROUGH CABLE(S), WHICH ARE NOT REMOVED AT THIS TIME.

SEE THE PROCESSING UNIT THEOSCRIPTION.

NOTE

IF POLL IS NOT JUMPERED CORRECTLY, THE SYMPTOM
4952 PROCESSING UNIT

AFTER PRESSING LOAD KEY, THE DATA LAMPS WILL
DISPLAY 0000 AND NO IFY WILL OCCUR.

4953 PROCESSING UNIT
WHEN POWERED ON, THE DATA LAMPS WILL DISPLAY
"0025" OR "0026" WITH THE CHECK LAMP ON.

4955 PROCESSING UNIT

AFTER PRESSING LOAD KEY, THE DATA LAMPS WILL
DISPLAY '0060' AND NO IPL WILL OCCUR.

IF YOU SEE THE ABOVE INDICATIONS, REVIEW POLL JUMPERING.
SEE ALL THE POLL JUMPERS INSTALLED ON THE BOARD.
THERE MUST BE A POLL JUMPER INSTALLED. ON PIN MIL TO PIN MI2 FOR EVERY CARD UNSEATED AT THIS THEE MUST NOT BE AN EMPTY (NO CARD INSTALLED) POSITION ON BOTH SIDES OF ANY CARD POSITION THAT HAS A POLL JUMPER INSTALLED. THAT HAS A POLL JUMPER TINSTALLED ARE EMPTY, (NO CARD INSTALLED), THAT HAS A POLL JUMPER TINSTALLED ARE EMPTY, (NO CARD INSTALLED), THEN ONE OF THEM MUST HAVE A POLL JUMPER FROM PIN MIL TO PIN MI2 SEE THE CORRECT BOARD LOGIC(S). FOR THE POLL NETWORK.

IF THE FAILURE WAS IN AN ATTACHMENT/DEVICE MAP, AND A CARD WAS EXCHANGED IN THE MAP AND THE PROBLEM WAS NOT REPAIRED, THE ATTACHMENT OR DEVICE IS A SUSPECT ATTACHMENT ANSWER THE FOLLOWING QUESTION 'YES'.

US ANY ATTACHMENT SUSPECT?

071 GO TO PAGE 17, STEP 076, ENTRY POINT H. CHANNEL ATTACHMENT - DEVICE MAP PAPER ONLY MAP PAGE 16 OF 20

072 - SEAT THE SUSPECT ATTACHMENT CARD.

- POWER THE SYSTEM OFF.
- REMOVE THE POLL JUMPER FROM PIN MIL TO PIN MIL IN THE CARD POSITION WHERE THE CARD WAS JUST SEATED.
- SEE MLD VOLUME 1.
- SEE THE CORRECT BOARD LOGIC (AXXXX) FOR THE POLL NETWORK.
- POWER THE SYSTEM ON.

LOAD, IF NECESSARY, AND RUN TO THE FAILURE POINT.

FROM THIS POINT ON IN THIS MAP, IF THE FAILURE INDICATION REFERENCED BEFORE IS IN STEPS THREE (3) THROUGH SEN OF NOTE THE CONFIGURATION FROGRAM MAY INDICATE ERRORS.

- SEE NOTE SIX (6) --->

IT MUST BE READ AND UNDERSTOOD BEFORE GOING

NOTE SIX (6)

IF YOU ARE USING THE CONFIGURATION PROGRAM AS THE 'ERFOR INDICATION', REFERENCE DIAGNOSTIC SERVICE SUIDE 06.02.00. FOR MORE INFORMATION.

IF YOU ARE NOT USING THE CONFIGURATION PROGRAM AS THE EPROR INDICATION', THERE WILL BE CONFIGURATION ERPOR(S), ONE FOR EACH CARD UNSEATED. THERE SHOULD BE AN 'IN TABLE - NOT IN HARDWARE', (DATA LAMPS = 3841) MESSAGE FOR EACH CARD UNSEATED.

THESE ERRORS SHOULD BE IGNORED THEY ARE NOT ERROR INDICATIONS

TO TERMINATE THE CONFIGURATION PROGRAM ON AN ALTERNATE CONSOLE WITH ITS KEYBOARD WORKING, WHEN THE MESSACE ON THE ALTERNATE CONSOLE IS: 'CONFIGURATION ERRORS'
'O = TERMINATE 'O = TERMINATE 'O = PRINT ALE ERRORS'
'O = PRINT OPTIONS'
'O = PRINT OPTIONS'
'O 4 = BYPASS TWO CHANNEL SWITCH ERROR'

ENTER ON KEYBOARD AS FOLLOWS:

FOI = TERMINATE OR RETURN

TO TERMINATE THE CONFIGURATION PROGRAM IF THE PROGRAMMER CONSOLE IS THE INPUT DEVICE OR IF AN ALTERNATE CONSOLE WITH KEYBOARD IS NOT WORKING, SEE TABLE ONE (1) BELOW.

TABLE ONE (1) DATA LAMPS EQUAL ENTER ON CONSOLE 3801....ALTERNATE CONSOLE NOT AVAILABLE (D) 6 382A ... DISCONNECT CUSTOMER INTERFACE 3822 TERMINATE CONFIGURATION PROGRAM  $\{B\}$  or  $\{B\}$   $\{I\}$   $\{I\}$ 3800.....RDY ENTER AUTO OR MANUAL RUN

(D) - PRESS THE DATA BUFFER KEY HEY.

REFERENCE DIAGNOSTIC SERVICE GUIDE, 07.01.00., FOR PROGRAMMER CONSOLE OPERATION.

OES THE TEST FAIL WITH THE SAME FAILURE IS THERE ANY SUSPECT ATTACHMENT CARD THAT IS UNSEATED NOW? THERE NOW? ATTACHMENT CARD THAT IS 175 THE PROBLEM IS INTERMITTENT OR THERE MAY HAVE BEEN A LOOSE CARD OR CABLE. SO TO MAP 0072, ENTRY POINT A.

> 20N0V81 PN1635008 EC466795 PEC987889 MAP 0070-16

CHANNEL ATTACHMENT - DEVICE MAP PAPER ONLY MAP PAGE 17 OF 20

076 (ENTRY POINT H)

- POWER THE SYSTEM OFF.

SEAT AN ATTACHMENT CARD THAT HAS NOT BEEN TESTED.

- REMOVE THE CARD FOSITION WHERE THE CARD WAS JUST SEATED THE CARD POSITION WHERE THE CARD WAS SEE MLD VOLUME 1. BOARD LOGIC (AXXXX) FOR THE POLL NETWORK.

- POWER THE SYSTEM ON.

LOAD, IF NECESSARY, AND RUN TO THE FAILURE POINT.
- SEE NOTE SEVEN (7) --->

NOTE SEVEN (7) IF YOU ARE USING THE CONFIGURATION PROGRAM AS THE 'ERROR INDICATION', REFERENCE DIAGNOSTIC SERVICE GUIDE 06.02.00. FOR MORE INFORMATION.

IF YOU ARE NOT USING THE CONFIGURATION PROGRAM AS THE ERROR INDICATION', THERE WILL BE CONFIGURATION ERROR(S), ONE FOR EACH CARD UNSEATED, THERE SHOULD BE AN 'IN TABLE - NOT IN HARDWARE', (DATA LAMPS = 3841) MESSAGE FOR EACH CARD UNSEATED.

THESE ERRORS SHOULD BE IGNORED THEY ARE NOT ERROR INDICATIONS

TO TERMINATE THE CONFIGURATION PROGRAM ON AN ALTERNATE CONSOLE WITH ITS KEYBOARD WORKING, WHEN THE MESSAGE ON THE ALTERNATE CONSOLE IS: 'CONFIGURATION ERRORS'
'OLE TERMINATE CONSOLE IS: 'OLE TERMINATE CONTO CHANNEL SWITCH ERROR'

ENTER ON KEYBOARD AS FOLLOWS: FO1 ENTER OR RETURN
OI = TERMINATE

TO TERMINATE THE CONFIGURATION PROGRAM IF THE PROGRAMMER CONSOLE IS THE INFUT DEVICE OR IF AN ALTERNATE CONSOLE WITH KENDOARD IS NOT WORKING, SEE TABLE ONE (1) BELOW.

TABLE ONE (1)

TABLE UNE (1)	
DATA LAMPS EQUAL	ENTER ON CONSOLE
3801 CONSOLE NOT AVAILABL	(D) 6 (I) (I)
382A DISCONNECT CUSTOMER INTERFACE	(D) 6 (I) (I)
3822 CONFİĞÜRATION PROGRAM	(B) 0100 (I) (I)
3800RDY ENTER	AUTO OR MANUAL RUN

(D) - PRESS THE DATA BUFFER KEY.

REFERENCE DIAGNOSTIC SERVICE GUIDE, 07.01.00., FOR PROGRAMMER CONSOLE OPERATION.

DOES THE TEST FAIL WITH THE SAME FAILURE INDICATIONS? 077 SEE IF ANY ATTACHMENT CARD(S) ARE UNSEATED IN BOARD(S) THAT HAVE NOT BEEN TESTED. ARE THERE ANY ATTACHMENT CARD(S) THAT HAVE 078
THE PROBLEM IS INTERMITTENT.
GO TO MAP 0072, ENTRY POINT A. 679 GO TO STEP 076, ENTRY POINT H.

CHANNEL ATTACHMENT - DEVICE MAP
PAPER ONLY MAP
PAGE 18 OF 20

080 GO TO STEP 082, ENTRY POINT I.

081 GO TO PAGE 15, STEP 070, ENTRY POINT G.

082 (ENTRY POINT I)

- POWER THE SYSTEM OFF.

THE LAST ATTACHMENT CARD SEATED MAY BE THE ATTACHMENT CARD THAT CAUSED THE FAILURE INSTALL THE FAILURE ATTACHMENT CARD INTO THE FIRST AVAILABLE EMPTY CARD LOCATION ON THE SAME BOARD.

JUMPER THE POLL LINE(5).

- POWER THE SYSTEM ON.

LOAD, IF NECESSARY, AND PUN TO THE FAILURE POINT.

DOES THE TEST FAIL WITH THE SAME FAILURE INDICATIONS?

OBJ THE ORIGINAL CARD LOCATION THE ATTACHMENT WAS INSTALLED IN IS BAD. DO A VOLTAGE TEST ON VOLTAGE PINS IN THIS LOCATION. VISUALLY INSPECT THE PIN(S), WIRE(S), CARD LOCATION(S) FOR VISIBLE MECHANICAL PROBLEMS. ARE THERE MECHANICAL PROBLEMS IN THESE AREAS?

THE PROBLEM MAY BE IN THE PROCESSING UNIT BOARD OR THE EXPANSION UNIT BOARD AND ITS CABLE(S), IF INSTALLED FOR THE PROCESSING UNIT BOARD AND ITS CABLE(S), IF INSTALLED FOR THE PROCESSING UNIT BOARD AND ITS CABLE(S), IF INSTALLED FOR THE PROCESSING UNIT SOME THE PROCESSING UNIT BOARD AND ITS CABLE(S), IF INSTALLED FOR THE PROCESSING UNIT BOARD AND ITS CABLE (S), INSTALLED FOR THE PROCESSING UNIT BOARD AND ITS CABLE (S), INSTALLED F

085 REPAIR THE PROBLEM. - VERIFY THE REPAIR

086 - POWER THE SYSTEM OFF.

SUSPECT PROBLEM IS IN THE ORIGINAL FAILING ATTACHMENT CARD. SUSPECT ATTACHMENT CARD HAS BEEN EXCHANGED IN ANOTHER MAP.

WAS THIS 'SUSPECT ATTACHMENT CARD' EXCHANGED IN ANOTHER MAP?

087
EXCHANGE THE SUSPECT ATTACHMENT CARD WITH A KNOWN GOOD ATTACHMENT CARD WITH THE SAME PART NUMBER INTO ITS ORIGINAL BOARD LOCATION.

NOTE THE SYSTEM HAS ANOTHER ATTACHMENT CARD LITH THE SAME PART NUMBER INSTALLED, IT CAN BE USED TO DETERMINE THE PROBLEM.

NOTE

PART OF A MORE THAN ONE CARD ATTACHMENT, SIMILAR TO A 4962, A 4982, A COMMUNICATION FEATURE, A THO CHANNEL SWITCH CARD, OR A CHANNEL REPOWER CARD, ANY OF THE OTHER CARD(S) OR ASSOCIATED CABLE(S) ARE SUSPECTED IN THE DEVICE CIRCUIT(S).

- POWER THE SYSTEM ON.

LOAD, IF NECESSARY, AND RUN TO THE FAILURE

DOES THE TEST RUN O.K.?

20NOV81 PN1635008 EC466795 PEC987889 MAP 0070-18

2 2 3

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CHANNEL ATTACHMENT - DEVICE MAP
                                                        PAPER ONLY MAP
                                                        PAGE 19 OF 20
 688
(ENTRY POINT CR)
WAS A VOLTAGE TEST DONE ON THE BOARD AND PINS TO THIS ATTACHMENT?
         089
REFERENCE THE SUITABLE ALD FOR THE SUSPECT ATTACHMENT TEST FOR ALL VOLTAGES ON THE BOARD AND CARD, IF INDICATED.
          ARE THE VOLTAGES ALL CORRECT?
                 090
TRACE THE BAD VOLTAGE PATH TO THE SOURCE
ON THE BOARD.
REFERENCE THE CORRECT BOARD ALD FOR THE
VOLTAGE NETWORK ON THE BOARD.
JEST THE VOLTAGES WHERE THEY COME ON THE
BOARD.
                  IS THE VOLTAGE PROBLEM ON THE BOARD?
                           091
GO TO MAP 1470, ENTRY POINT A.
                    092
REFERENCE THE CORRECT BOARD ALD.
CORRECT THE FAILING CONDITION ON THE
                 BOARD.

IF YOU CANNOT CORRECT THE PROBLEM ON THE BOARD,
GO TO MAP 1470, ENTRY POINT A.
         693
GO TO STEP 094, ENTRY POINT PB.
 094
(ENTRY POINT PB)
THE PROBLEM CAN BE IN DEVICE OR PROCESSING UNIT CARD(S).
 VERIFY THE ADDRESS JUMPERS ON ATTACHMENT CARD ARE CORRECT.
REFERENCE THE CONFIGURATION TABLE FOR THE ADDRESS OF THIS ATTACHMENT DESCRIPTION TABLE FOR THE ENSURE THERE NO SAME ADDRESS(ES) ON THE SYSTEM.
ENSURE THERE ARE NO JAME ASSESSMENT OF THE CORRECT.
GO TO THE MAP PROLOG FOR INFORMATION OF THE ATTACHMENT OR DEVICE, AND THE PROBLEM.
CAN THE ATTACHMENT OR DEVICE MAP BE USED?
       095
IF THE ATTACHMENT OR DEVICE DIAGNOSTIC WILL NOT RUN, OR IF THERE IS NO REPAIR, DO NOT RETURN TO THIS MAP.
IF AN ATTACHMENT OR DEVICE CARD WAS EXCHANGED IN THE MAP, 11 IS THE SUSPECT ATTACHMENT CARD IN MAP, 0071.
ATTACHMENT CARD IN MAP, 0071.
GO TO MAP 0071, ENTRY POINT A.
096
RUN ALL MANUAL MAP(S) NOT RUN ALREADY FOR THE
FROBLEM BEFORE STARTING THIS MAP
FROBLEM AN ATTACHMENT OR DEVICE MAP SHOWS A
FAILURE)
DO THESE MAP(S) CALL OUT THE SAME FIELD PRINCIPLE OF THE SAME FIELD OF THE SAME FIEL
         097
EXCHANGE THE FIELD REPLACEMENT UNIT.
IF NO REPAIR, USE IT AS THE 'SUSPECT ATTACHMENT'AND GO TO MAP 0071, ENTRY POINT A.
098
DO NOT EXCHANGE THE FIELD REPLACEMENT UNIT THE FIELD REPLACEMENT UNIT HAS BEEN EXCHANGED. USE IT AS THE 'SUSPECT ATTACHMENT' AND GO TO MAP 0071, ENTRY POINT A.
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CHANNEL ATTACHMENT - DEVICE MAP PAPER ONLY MAP PAGE 20 OF 20

099 - POWER THE SYSTEM OFF.

THE ATTACHMENT CARD MAY BE BAD.
INSTALL THE SUSPECT ATTACHMENT CARD IN THE
BOARD IN ITS ORIGINAL LOCATION.
KEEP THE REHOVED ATTACHMENT CARD.
IT IS A KNOWN GOOD CARD.

VERIFY THE CORRECT ATTACHMENT ADDRESS ON THE ATTACHMENT ADDRESS ON THE CORRECTLY? ATTACHMENT ADDRESS JUMPERED

CORPECT THE ADDRESS JUMPERS ENSURE THE CONFIGURATION TABLE IS CORRECT FOR THIS ADDRESS IR

101
VISUALLY INSPECT THE ATTACHMENT CARD AND VERIFY THAT ALL JUMPERS, IF ANY, ARE INSTALLED CORRECTLY.

ARE THE JUMPERS INSTALLED CORRECTLY?

102 CORRECT THE PROBLEM. - VERIFY THE REPAIR

103
THE ATTACHMENT CARD IS FAILING.
EXCHANGE WITH THE KNOWN GOOD CARD USED
EXCHAIGE WITH THE KNOWN GOOD CARD USED
INSTALL CORRECT JUMPERING.
- VERIFY THE REPAIR

104 GO TO PAGE 19, STEP 088, ENTRY POINT CR.