ENTRY POINTS

FROM	ENTER THIS MAP		
MAP NUMBER	ENTRY POINT	PAGE NUMBER	STEP NUMBER
0070	A	1	001
0070	AC	24	194
0070	AE	18	129
0070	CB	25	203
0070	CC	6	037
0070	CR	5	026
0070	DC	24	198
0070	DV	27	223
0070	FP	22	173
0070	LA	17	117
0070	LB	10	069
0070	LC	8	052
0070	MS	8	058
0070	PR	3	013
0070	PW	25	209
0070	RC	6	035
0070	RP	23	185
0070	SI	6	042
0070	TC	6	041
0070	TR	20	141

EXIT POINTS

EXIT THIS MAP		TO	
PAGE NUMBER	STEP NUMBER	MAP NUMBER	ENTRY POINT
3	016	0072	A
27	224	0072	A
28	227	0072	A
28	230	0072	A
25	207	1470	A
27	218	1470	A

001
(ENTRY POINT A)

THIS IS A PAPER ONLY MAP.
THERE IS NO ASSOCIATED MAP PROGRAM.
(SEE DIAGNOSTIC SERVICE GUIDE 05.00.00).

SEE NOTE ONE (1) --->

NOTE ONE (1)
IF SYSTEM TEST, FRIEND OR A CUSTOMER PROGRAM IS THE ONLY WAY THAT THE SYSTEM WILL FAIL, USE THAT AS THE FAILURE INDICATION IN THE MAP.

SYSTEM = :

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

- POWER OFF THE SYSTEM.
- WAIT FIFTEEN (15) SECONDS.

'UNSEAT' OR 'SEAT' ONLY WHEN INSTRUCTED TO IN THIS MAP.
THE WORD 'UNSEAT' IS THE METHOD TO ELECTRICALLY ISOLATE. PULL CARD(S) OUT APPROXIMATELY ONE INCH. DO NOT REMOVE CARD(S) FROM GUIDES.

THE WORD 'RESEAT' IS THE METHOD TO ELECTRICALLY CONNECT. PRESS THE CARD IN UNTIL IT IS SEATED IN THE BOARD. YOU WILL HEAR A NOISE IF THE CARD IS SEATED CORRECTLY.

CHECK PROCESSING UNIT CARD(S), CABLE(S) AND STORAGE CARD(S) TO ENSURE CORRECT SEATING.

IS THE 'FAILURE INDICATION' IN 'SYSTEM TEST' OR 'FRIEND'?
Y N

002
- SEE IF THE FAILURE INDICATION IS IN A CUSTOMER PROGRAM.

IS THE 'FAILURE INDICATION' IN A CUSTOMER PROGRAM?
Y N

003

TABLE ONE (1)

IF THE DIAGNOSTIC MAP(S) SHOW A FAILURE USE IT AS THE - FAILURE INDICATION - IN THIS MAP, AS FOLLOWS:

THIS TABLE IS A STEP BY STEP LIST OF THE SEQUENCE OF EVENTS IN MAP 0020, FOR A CORRECTLY OPERATING SYSTEM. NOTE THE STEP IN WHICH YOUR SYSTEM INDICATIONS ARE DIFFERENT. RECORD THE DIFFERENCES. THIS IS THE FAILURE POINT FOR THIS MAP. NOW GO TO THE NEXT QUESTION AND USING THIS INFORMATION, ANSWER THE QUESTION.

1. POWER ON WITH - FFFF - IN DATA LAMPS. AS AN EXAMPLE OF A FAILURE INDICATION IF SYSTEM FAILED AFTER POWER ON, - F0F0 - IN LAMPS, NOTE THIS AND USE IT TO ANSWER ANY QUESTION IN THIS MAP OF A - FAILURE POINT -.
2. PRESS THE RESET KEY. - 0000 - IN DATA LAMPS.
3. PRESS THE IPL KEY.
4. - XXXX - IN THE DATA LAMPS. WAIT FOR THE IPL TO COMPLETE.
5. THERE MAY BE A CONFIGURATION MESSAGE.
6. AFTER THE CONFIGURATION MESSAGE, A - RDY ENTER - (3800 IN DATA LAMPS) MESSAGE WILL BE INDICATED. THE DCP IS LOADED CORRECTLY.
7. IF AUTO RUN, ALL DEVICE(S) ARE TESTED

IS THE 'FAILURE INDICATION' IN STEPS ONE (1) TO FOUR (4)?
Y N

004
GO TO PAGE 3, STEP 013, ENTRY POINT PR.

005
THE 'FAILURE INDICATION' IS IN STEPS ONE (1) TO FOUR (4). THE PROBLEM MAY BE RELATIVE TO A DEVICE. MAP 0070 MAY HAVE INDICATED THE PROBLEM WAS AN ATTACHMENT CARD. IF YOU HAVE EXCHANGED A SUSPECT ATTACHMENT CARD IN MAP 0070, OR SOME OTHER MAP:

- ANSWER THE QUESTION 'YES'.

IS THERE A 'SUSPECT' ATTACHMENT CARD FROM SOME OTHER MAP?
Y N

006
GO TO PAGE 3, STEP 013, ENTRY POINT PR.

007
- ENSURE THE CUSTOMER INTERFACE IS DISCONNECTED.

SEE IF THE SUSPECT ATTACHMENT CARD IS CONNECTED WITH CABLE(S) TO A DEVICE.

IF THE SUSPECT ATACHMENT CARD IS THE IPL DISKETTE DEVICE ATACHMENT CARD:

- ANSWER THE QUESTION 'NO'.

DOES THE SUSPECT ATTACHMENT CARD HAVE CABLE(S) CONNECTED TO A DEVICE?
Y N

008
GO TO PAGE 3, STEP 013, ENTRY POINT PR.

009
- POWER OFF THE SYSTEM.
- REMOVE THE CABLE(S) FROM THE ATTACHMENT CARD TO THE DEVICE, AT THE ATTACHMENT CARD END.

THE DEVICE AND ITS CABLE(S) ARE ISOLATED FROM THE ATTACHMENT CARD.

- POWER ON THE SYSTEM.
- RUN THE FAILING DIAGNOSTIC, IF NEEDED TO SEE THE FAILURE.

DOES THE TEST FAIL WITH THE SAME INDICATIONS?
Y N

010
THE DEVICE MAY BE CAUSING THE FAILURE.

- RECONNECT THE CABLE(S) TO THE ATTACHMENT CARD.
- GO TO THE MAP PROLOG OF THIS DEVICE.

IF NO REPAIR, RETURN TO THIS MAP.
GO TO STEP 013,
ENTRY POINT PR.

011
- POWER OFF THE SYSTEM.
- RECONNECT THE CABLE(S) TO THE ATTACHMENT CARD.

GO TO STEP 013,
ENTRY POINT PR.

012
GO TO STEP 013, ENTRY POINT PR.

013
(ENTRY POINT PR)

- POWER OFF THE SYSTEM.
- ENSURE THE PROCESSING UNIT CARD(S), CABLE(S) AND STORAGE CARD(S), IF INSTALLED, ARE SEATED.
- POWER ON THE SYSTEM.
- RUN THE FAILING DIAGNOSTIC, IF NEEDED TO SEE THE FAILURE.
- SEE TABLE ONE (1).

DOES THE TEST FAIL WITH THE SAME INDICATIONS?
Y N

014
THERE CAN BE DIRTY PINS OR A BAD CONNECTION.

- SEE TABLE ONE (1).
- HIT ALL CARD(S) AND THE BOARD LIGHTLY.
- RUN THE FAILING DIAGNOSTIC, IF NEEDED TO SEE THE FAILURE.

DOES THE TEST FAIL WITH THE SAME INDICATIONS?
Y N

015
IF THE SYSTEM IS NOT FAILING, INSTALL ALL THE ORIGINAL ATTACHMENT CARD(S), HAVE THE CUSTOMER RECONNECT HIS INTERFACE AND VERIFY CORRECT OPERATION.

016
GO TO MAP 0072, ENTRY POINT A.

017
THE PROBLEM IS IN THE PROCESSING UNIT, STORAGE CARD(S), IF INSTALLED, BOARD(S) OR CABLE(S).

IS THE PROCESSING UNIT BOARD THE ONLY BOARD ON THE SYSTEM?
Y N

018
- SEE THE NOTE TO THE RIGHT.
- POWER OFF THE SYSTEM.
- DISCONNECT CABLE(S) A2, A3, A4, AND A5 IN THE PROCESSING UNIT BOARD.
- UNSEAT ALL CHANNEL REPOWER CARD(S), IF INSTALLED ON THE SYSTEM.

IF NECESSARY,
- INSTALL A POLL JUMPER FROM PIN M11 TO PIN M12 IN THE CARD POSITION WHERE A CARD IS UNSEATED.
- INSTALL A POLL JUMPER FROM PIN M11 TO PIN M12 IN ALL THE CARD POSITIONS THAT ARE EMPTY.
- SEE THE CORRECT BOARD LOGIC(S), AXXXX, FOR THE POLL NETWORK.

INSTALL THE DISKETTE ATTACHMENT CARD IN THE PROCESSING UNIT BOARD IF IT IS NOW INSTALLED IN AN EXPANSION BOARD AND IF IT IS NEEDED TO SHOW THE FAILURE. THE DISKETTE UNIT ATTACHMENT CARD CANNOT BE INSTALLED IN CARD POSITION 'A'. IF THE PROCESSING UNIT BOARD IS FILLED WITH CARD(S), A CARD MUST BE REMOVED TO MAKE ROOM FOR THE DISKETTE UNIT ATTACHMENT CARD.

IF AN ALTERNATE CONSOLE IS INSTALLED ON THE SYSTEM, INSTALL THE ALTERNATE CONSOLE ATTACHMENT CARD IN PROCESSING UNIT BOARD IF IT IS NOW INSTALLED IN AN EXPANSION UNIT BOARD AND IS NEEDED TO SHOW THE FAILURE. IF THE PROCESSING UNIT BOARD IS FILLED WITH CARD(S), A CARD MUST BE REMOVED TO MAKE ROOM FOR THE ALTERNATE CONSOLE ATTACHMENT CARD.

- POWER ON THE SYSTEM.
- RUN THE FAILING DIAGNOSTIC, IF NEEDED TO SEE THE FAILURE.
- SEE TABLE ONE (1).

DOES THE TEST FAIL WITH THE SAME INDICATIONS?
Y N

019
THERE IS A FAILING CABLE OR BOARD, OUTBOARD OF THE PROCESSING UNIT BOARD OR THE CHANNEL REPOWER CARD, IF INSTALLED.
THE PROBLEM MUST NOW BE ISOLATED TO THE FAILING FIELD REPLACEMENT UNIT.

IS ONLY ONE (1) EXPANSION BOARD INSTALLED ON THE SYSTEM?
Y N

020
THERE IS MORE THAN ONE EXPANSION BOARD INSTALLED.
THERE IS ONE CHANNEL REPOWER CARD INSTALLED.

- POWER OFF THE SYSTEM.

IF A CHANNEL REPOWER CARD IS INSTALLED, ANSWER THE FOLLOWING QUESTION 'YES'.

IS THE CHANNEL REPOWER CARD UNSEATED IN THE PROCESSING UNIT BOARD?
Y N

021
CONNECT THE CABLE(S) IN CARD POSITION A2, A3, A4 AND A5 IN THE PROCESSING UNIT BOARD.

IS A CHANNEL REPOWER CARD UNSEATED IN THE FIRST EXPANSION BOARD?
Y N

022
A CHANNEL REPOWER CARD IS NOT INSTALLED IN THE FIRST EXPANSION BOARD.
A CHANNEL REPOWER CARD IS INSTALLED IN THE NEXT EXPANSION BOARD.
GO TO PAGE 5, STEP 026,
ENTRY POINT CR.

AN EXPANSION BOARD IS:

A 4959
A 4965

023
- RESEAT THE CHANNEL REPOWER CARD IN THE FIRST EXPANSION BOARD, IF INSTALLED.

THERE ARE FOUR TOP CARD CABLE(S) ON THIS CHANNEL REPOWER CARD THAT GO TO THE NEXT EXPANSION BOARD.
TO ISOLATE THIS EXPANSION BOARD FROM THE NEXT EXPANSION BOARD:

- DISCONNECT THE CABLE(S) ON THE NEXT EXPANSION BOARD END.
- DO NOT UNSEAT THE CABLE(S) ON THE CHANNEL REPOWER CARD END.
- POWER ON THE SYSTEM.
- RUN THE FAILING DIAGNOSTIC, IF NEEDED TO SEE THE FAILURE.
- SEE TABLE ONE (1).

DOES THE TEST FAIL WITH THE SAME INDICATIONS?
Y N

024
THE PROBLEM IS OUTBOARD OF THE FIRST EXPANSION BOARD. CONNECT THE CABLE(S) IN CARD POSITION A2, A3, A4 AND A5 IN THE FIRST EXPANSION BOARD.

THEN - RESEAT THE CHANNEL REPOWER CARD IN THE NEXT EXPANSION BOARD.
GO TO STEP 026,
ENTRY POINT CR.

025
GO TO PAGE 6, STEP 035, ENTRY POINT RC.

026
(ENTRY POINT CR)

- POWER OFF THE SYSTEM.
- RESEAT THE CHANNEL REPOWER CARD IN THIS BOARD.

THERE ARE FOUR TOP CARD CABLE(S) ON THIS CHANNEL REPOWER CARD THAT GO TO THE NEXT BOARD.

TO ISOLATE THIS BOARD FROM THE NEXT BOARD:

- DISCONNECT THE CABLE(S) ON THE NEXT EXPANSION BOARD END.
- DO NOT UNSEAT THE CABLE(S) ON THE CHANNEL REPOWER CARD END.
- POWER ON THE SYSTEM.
- RUN THE FAILING DIAGNOSTIC, IF NEEDED TO SEE THE FAILURE.
- SEE TABLE ONE (1).

DOES THE TEST FAIL WITH THE SAME INDICATIONS?
Y N

027
THE BOARD JUST RECONNECTED IS GOOD.
CONNECT THE CABLE(S) IN CARD POSITION A2, A3, A4 AND A5 IN THIS BOARD.

IS THERE A BOARD INSTALLED ON SYSTEM THAT HAS NOT BEEN CHECKED?
Y N

028
GO TO PAGE 6, STEP 041,
ENTRY POINT TC.

029
IF NO CHANNEL REPOWER CARD IS INSTALLED IN THIS BOARD OR THE PROCESSING UNIT BOARD, ANSWER THE FOLLOWING QUESTION 'NO'.

IS THE CHANNEL REPOWER CARD UNSEATED IN THIS BOARD?
Y N

030
GO TO PAGE 6, STEP 041,
ENTRY POINT TC.

031
GO TO STEP 026, ENTRY POINT CR.

032
GO TO PAGE 6, STEP 035, ENTRY POINT RC.

033
THERE IS ONLY ONE EXPANSION BOARD INSTALLED ON THE SYSTEM.
IF NO CHANNEL REPOWER CARD IS INSTALLED ON THE SYSTEM, ANSWER FOLLOWING QUESTION 'NO'.

IS A CHANNEL REPOWER CARD UNSEATED NOW?
Y N

034
GO TO STEP 037,
ENTRY POINT CC.

035
(ENTRY POINT RC)

- POWER OFF THE SYSTEM.
- EXCHANGE THE CHANNEL REPOWER CARD WITH A GOOD CARD.
- ENSURE TOP CARD CONNECTOR CABLE(S) ARE RECONNECTED.
- RUN THE FAILING DIAGNOSTIC, IF NEEDED TO SEE THE FAILURE.
- SEE TABLE ONE (1).
- POWER ON THE SYSTEM.

DOES THE TEST FAIL WITH THE SAME INDICATIONS?
Y N

036
THE CHANNEL REPOWER CARD JUST EXCHANGED IS FAILING.
A KNOWN GOOD CHANNEL REPOWER CARD IS INSTALLED IN SYSTEM.
- VERIFY THE REPAIR.

037
(ENTRY POINT CC) ISOLATE THE CABLE(S) ENTRY POINT.

- POWER OFF THE SYSTEM.

CHECK THE CHANNEL REPOWER TOP CARD CONNECTOR CABLE(S) FOR AN OPEN, A SHORT OR A GROUND. IF NO REPOWER CARD IS INSTALLED, CHECK THE CABLE(S) BETWEEN THE PROCESSING UNIT AND THE EXPANSION BOARD.

DO THE CABLE(S) CHECK OUT O.K.?
Y N

038
REPAIR OR EXCHANGE THE FAILING CABLE.
- VERIFY THE REPAIR.

039
GO TO STEP 041,
ENTRY POINT TC.

040
GO TO STEP 041, ENTRY POINT TC.

041
(ENTRY POINT TC)

SEE IF THERE IS A CABLE FROM THE PROCESSING UNIT YOU ARE USING TO A TWO CHANNEL SWITCH CARD.

IS THERE A CABLE FROM THE PROCESSING UNIT TO A TWO CHANNEL SWITCH CARD?
Y N

042
(ENTRY POINT ST)

SEE IF THE PROCESSING UNIT INSTALLED IS A:
4955

IS A 4955 PROCESSING UNIT INSTALLED?
Y N

043
SEE IF THE PROCESSING UNIT INSTALLED IS A:
4954

IS THE PROCESSING UNIT INSTALLED A 4954?
Y N

044
SEE IF THE PROCESSING UNIT INSTALLED IS A:
4953

IS THE PROCESSING UNIT INSTALLED A 4953?
Y N

045
SEE IF THE PROCESSING UNIT INSTALLED IS A:
4952

IS THE PROCESSING UNIT INSTALLED A 4952?
Y N

046
GO TO PAGE 23, STEP 185,
ENTRY POINT RP.

047
A 4952 PROCESSING UNIT IS INSTALLED.

- SEE MLD VOLUME ONE (1).
- SEE PROCESSING UNIT LOGIC(S) A2XXX.
- SEE PROCESSING UNIT LOGIC A2103 FOR JUMPERING.
- SEE THE NOTE TO THE RIGHT.
- SEE IF MORE THAN ONE STORAGE MODULE IS INSTALLED ON THE CARD.

A STORAGE MODULE IS THE MODULE ON THE 4952 PROCESSING UNIT CARD. THERE MUST BE ONE (1) TO FOUR (4) STORAGE MODULE(S) INSTALLED ON THE PROCESSING UNIT CARD. THE PROCESSING UNIT CARD MUST BE JUMPERED CORRECTLY FOR THE NUMBER OF STORAGE MODULE(S) INSTALLED.

IS MORE THAN ONE STORAGE MODULE INSTALLED ON THE CARD?
Y N

048
- POWER OFF THE SYSTEM.
- REMOVE THE PROCESSING UNIT CARD.
- REMOVE THE STORAGE MODULE FROM THE CARD.
- INSTALL A KNOWN GOOD STORAGE MODULE ON THE PROCESSING UNIT CARD.
- INSTALL THE PROCESSING UNIT CARD.
- POWER ON THE SYSTEM.
- RUN THE FAILING DIAGNOSTIC, IF NEEDED TO SEE THE FAILURE.
- SEE TABLE ONE (1).

DOES THE TEST FAIL WITH THE SAME INDICATIONS?
Y N

049
THE REMOVED STORAGE MODULE IS BAD.
- VERIFY THE REPAIR.

050
GO TO PAGE 23, STEP 185,
ENTRY POINT RP.

051
THERE IS MORE THAN ONE STORAGE MODULE INSTALLED ON THE PROCESSING UNIT CARD.

- POWER OFF THE SYSTEM.
- REMOVE THE PROCESSING UNIT CARD.
- REMOVE ALL THE STORAGE MODULE(S) BUT THE FIRST 30K MODULE FROM THE PROCESSING UNIT CARD.
- ENSURE THE STORAGE JUMPERS ARE CORRECT.
- SEE MLD VOLUME ONE (1), LOGIC AXXXX.
- INSTALL THE PROCESSING UNIT CARD.
- POWER ON THE SYSTEM.
- RUN THE FAILING DIAGNOSTIC, IF NEEDED TO SEE THE FAILURE.
- SEE TABLE ONE (1).

THE STORAGE SIZE IS CHANGED. THERE MAY BE A CONFIGURATION ERROR OR A DIAGNOSTIC FAILURE.

NOTE THIS WHEN USING THE 'FAILURE INDICATION'. DO NOT CONFUSE THE 'CONFIGURATION ERROR' CAUSED BY STORAGE SIZE WITH THE 'ERROR INDICATION' USED BY YOU.

THE STORAGE JUMPERS, IF INSTALLED, AND THE CONFIGURATION TABLE MAY HAVE TO BE CHANGED.

DOES THE TEST FAIL WITH THE SAME INDICATIONS?
Y N

052
(ENTRY POINT LC)

A REMOVED STORAGE MODULE IS SUSPECT.

- POWER OFF THE SYSTEM.
- REMOVE THE PROCESSING UNIT CARD.
- INSTALL A REMOVED STORAGE MODULE AS FOLLOWS:

IF THE LAST MODULE INSTALLED IS:	INSTALL MODULE:
32K	64K
64K	96K
96K	128K

- ENSURE THE STORAGE JUMPERS ARE CORRECT.
- SEE MLD VOLUME ONE (1), LOGIC AXXXX.
- INSTALL THE PROCESSING UNIT CARD IN THE BOARD.
- POWER ON THE SYSTEM.
- RUN THE FAILING DIAGNOSTIC, IF NEEDED TO SEE THE FAILURE.

DOES THE TEST FAIL WITH THE SAME INDICATIONS?
Y N

053
- SEE IF ALL REMOVED STORAGE MODULE(S) ARE INSTALLED.

ARE ALL STORAGE MODULE(S) INSTALLED?
Y N

054
GO TO STEP 052,
ENTRY POINT LC.

055
- SEE IF THE SYSTEM IS REPAIRED.

IS THE SYSTEM REPAIRED?
Y N

056
GO TO PAGE 23, STEP 185,
ENTRY POINT RP.

057
- VERIFY THE REPAIR.

058
(ENTRY POINT MS)

THE STORAGE MODULE JUST INSTALLED MAY BE BAD.

- POWER OFF THE SYSTEM.
- SEE MLD VOLUME ONE (1).
- SEE PROCESSING UNIT LOGIC(S) A2XXX.
- SEE PROCESSING UNIT LOGIC A2103 FOR JUMPERING.
- REMOVE THE PROCESSING UNIT CARD.
- EXCHANGE THE POSITION OF THE LAST STORAGE MODULE INSTALLED WITH THE POSITION OF THE 32K STORAGE MODULE.
- INSTALL THE PROCESSING UNIT CARD IN THE BOARD.
- POWER ON THE SYSTEM.
- RUN THE FAILING DIAGNOSTIC, IF NEEDED TO SEE THE FAILURE.
- SEE TABLE ONE (1).

DOES THE TEST FAIL WITH THE SAME INDICATIONS?
Y N

059
- EXCHANGE THE FAILING STORAGE MODULE.
- VERIFY THE REPAIR.

060
GO TO PAGE 23, STEP 185, ENTRY POINT RP.

061
THE 32K STORAGE MODULE INSTALLED MAY BE BAD.

- POWER OFF THE SYSTEM.
- REMOVE THE PROCESSING UNIT CARD.
- EXCHANGE A REMOVED STORAGE MODULE WITH THE 32K STORAGE MODULE NOW INSTALLED.
- INSTALL THE PROCESSING UNIT CARD IN THE BOARD.
- POWER ON THE SYSTEM.
- RUN THE FAILING DIAGNOSTIC, IF NEEDED TO SEE THE FAILURE.
- SEE TABLE ONE (1).

DOES THE TEST FAIL WITH THE SAME INDICATIONS?
Y N

062
THE ORIGINAL 32K STORAGE MODULE THAT WAS REMOVED IS BAD.

- EXCHANGE THE 32K STORAGE MODULE THAT WAS REMOVED WITH A GOOD ONE.
- VERIFY THE REPAIR.

063
GO TO PAGE 23, STEP 185, ENTRY POINT RP.

064
A 4953 PROCESSING UNIT IS INSTALLED.

- SEE MLD VOLUME ONE (1).
- SEE PROCESSING UNIT LOGIC(S) A3XXX.
- SEE IF MORE THAN ONE STORAGE CARD IS INSTALLED ON THE SYSTEM.

IS MORE THAN ONE STORAGE CARD INSTALLED?
Y N

065
THERE IS ONLY ONE STORAGE CARD INSTALLED.

- POWER OFF THE SYSTEM.
- REMOVE THE STORAGE CARD.
- INSTALL A KNOWN GOOD STORAGE CARD.
- POWER ON THE SYSTEM.
- RUN THE FAILING DIAGNOSTIC, IF NEEDED TO SEE THE FAILURE.
- SEE TABLE ONE (1).

DOES THE TEST FAIL WITH THE SAME INDICATIONS?
Y N

066
THE STORAGE CARD REMOVED IS FAILING.
- VERIFY THE REPAIR.

067
GO TO PAGE 23, STEP 185, ENTRY POINT RP.

068
THERE IS MORE THAN ONE STORAGE CARD INSTALLED ON THE SYSTEM.

- POWER OFF THE SYSTEM.
- SEE MLD VOLUME ONE (1).
- SEE PROCESSING UNIT LOGIC(S) A3XXX.
- REMOVE ALL THE STORAGE CARDS BUT THE FIRST CARD FROM THE PROCESSING UNIT BOARD.
- INSTALL A POLL JUMPER FROM PIN M11 TO PIN M12 IN THE CARD POSITION WHERE A CARD IS UNSEATED.
- INSTALL A POLL JUMPER FROM PIN M11 TO PIN M12 IN ALL THE CARD POSITIONS THAT ARE EMPTY.
- SEE THE CORRECT BOARD LOGIC(S), AXXXX, FOR THE POLL NETWORK.
- POWER ON THE SYSTEM.
- RUN THE FAILING DIAGNOSTIC, IF NEEDED TO SEE THE FAILURE.
- SEE TABLE ONE (1).

DOES THE TEST FAIL WITH THE SAME INDICATIONS?
Y N

069
(ENTRY POINT LB)

A REMOVED STORAGE CARD IS SUSPECT.

- POWER OFF THE SYSTEM.
- INSTALL A REMOVED STORAGE CARD AS FOLLOWS:

IF THE LAST CARD INSTALLED IS:	INSTALL STORAGE CARD:
16K	32K
32K	48K
48K	64K

- INSTALL THE STORAGE CARD IN THE BOARD AS NOTED.
- ENSURE THE STORAGE JUMPERS ARE CORRECT.
- SEE MLD VOLUME ONE (1), LOGIC AXXXX.
- REMOVE THE POLL JUMPER FROM PIN M11 TO PIN M12 IN THE CARD POSITION WHERE THE CARD WAS JUST SEATED.
- SEE THE CORRECT BOARD LOGIC(S) FOR THE POLL NETWORK.
- POWER ON THE SYSTEM.
- RUN THE FAILING DIAGNOSTIC, IF NEEDED TO SEE THE FAILURE.

DOES THE TEST FAIL WITH THE SAME INDICATIONS?
Y N

070
- SEE IF ALL REMOVED STORAGE CARDS ARE INSTALLED.

ARE ALL STORAGE CARD(S) INSTALLED?
Y N

071
GO TO STEP 069,
ENTRY POINT LB.

072
- SEE IF THE SYSTEM IS REPAIRED.

IS THE SYSTEM REPAIRED?
Y N

073
GO TO PAGE 23, STEP 185,
ENTRY POINT RP.

074
- VERIFY THE REPAIR.

075
THE STORAGE CARD INSTALLED IS FAILING.
- VERIFY THE REPAIR.

076
THERE IS ONE STORAGE CARD INSTALLED AND THERE IS A FAILURE.

- POWER OFF THE SYSTEM.
- REMOVE THE INSTALLED STORAGE CARD.
- MARK IT AND SET IT TO ONE SIDE.
- INSTALL A REMOVED STORAGE CARD THAT IS NOT MARKED.
- POWER ON THE SYSTEM.
- RUN THE FAILING DIAGNOSTIC, IF NEEDED TO SEE THE FAILURE.
- SEE TABLE ONE (1).

DOES THE TEST FAIL WITH THE SAME INDICATIONS?
Y N

077
THE MARKED STORAGE CARD IS FAILING.
- VERIFY THE REPAIR.

078
GO TO PAGE 23, STEP 185, ENTRY POINT RP.

079
- SEE IF YOU HAVE TESTED THE STORAGE MODULES USING A 2XXX MAP.

HAVE YOU TESTED THE STORAGE MODULES USING MAP 2XXX?
Y N

080
- POWER OFF THE SYSTEM.

- SEE THE NUMBER OF MODULES INSTALLED.
- SEE IF THE NUMBER OF MODULES INSTALLED IS FOUR (4) OR LESS.

IS THE NUMBER OF MODULES INSTALLED FOUR (4) OR LESS?
Y N

081
THE NUMBER OF MODULES INSTALLED IS FIVE (5) OR MORE.

- SEE MLD VOLUME ONE (1).
- SEE PROCESSING UNIT LOGIC(S) A4XXX.

- REMOVE ALL STORAGE MODULES EXCEPT 0 - 3.
- LEAVE MODULES 0 - 3 INSTALLED ON THE STORAGE CARD.

IF THE ERROR INDICATION IS:
-POWER ON NOT CORRECT-
1. ENSURE THE CARD IS JUMPERED FOR 64K.

IF THE ERROR INDICATION IS:
-DIAGNOSTIC 2XXX NOT CORRECT-
1. ENSURE THE CARD IS JUMPERED FOR 64K.
2. THE CONFIGURATION ENTRY MUST BE 64K.
3. IPL THE DISKETTE AFTER THE CONFIGURATION TABLE CHANGE.

- POWER ON THE SYSTEM.

WHEN YOU POWER THE PROCESSING UNIT ON, THE FOLLOWING DIAGNOSTIC(S) RUN:
ROS TEST - DATA LEDS TEST - STORAGE TEST

IF THE 495X PROCESSING UNIT IS:| AFTER FIFTEEN (15) SECONDS, POWER ON INDICATIONS ARE:

TYPE	DATA LEDS	STOP LED	LEVEL 0 LED	POWER LED	OTHER LEDS
495X	FFFF	ON	ON	ON	OFF
4954	FFFF	ON	OFF	ON	OFF
4955	FFFF	ON	OFF	ON	OFF

THE CONSOLE IS SILENT (NO SOUND).

DID THE SYSTEM 'POWER ON' CORRECT?
Y N

082
THE INSTALLED STORAGE MODULES ARE SUSPECT.

- REMOVE THE MODULE FROM POSITION ZERO (0).
- MARK THIS MODULE AND SET IT TO ONE SIDE. IT IS SUSPECT.
- INSTALL ONE OF THE REMOVED MODULES IN POSITION ZERO (0).
- POWER ON THE SYSTEM.

WHEN YOU POWER THE PROCESSING UNIT ON, THE FOLLOWING DIAGNOSTIC(S) RUN:
ROS TEST - DATA LEDS TEST - STORAGE TEST

IF THE 495X PROCESSING UNIT TYPE IS:	AFTER FIFTEEN (15) SECONDS, POWER ON INDICATIONS ARE: DATA LEDS	STOP LED	LEVEL 0 LED	POWER LED	OTHER LEDS
495X	FFFF	ON	ON	ON	OFF
4954	FFFF	ON	OFF	ON	OFF
4955	FFFF	ON	OFF	ON	OFF

THE CONSOLE IS SILENT (NO SOUND).

DID THE SYSTEM 'POWER ON' CORRECT?
Y N

083
- REMOVE THE MODULE FROM POSITION ONE (1).
- MARK THIS MODULE AND SET IT TO ONE SIDE. IT IS SUSPECT.
- INSTALL ONE OF THE REMOVED MODULES IN POSITION ONE (1).
- POWER ON THE SYSTEM.

WHEN YOU POWER THE PROCESSING UNIT ON, THE FOLLOWING DIAGNOSTIC(S) RUN:
ROS TEST - DATA LEDS TEST - STORAGE TEST

IF THE 495X PROCESSING UNIT TYPE IS:	AFTER FIFTEEN (15) SECONDS, POWER ON INDICATIONS ARE: DATA LEDS	STOP LED	LEVEL 0 LED	POWER LED	OTHER LEDS
495X	FFFF	ON	ON	ON	OFF
4954	FFFF	ON	OFF	ON	OFF
4955	FFFF	ON	OFF	ON	OFF

THE CONSOLE IS SILENT (NO SOUND).

DID THE SYSTEM 'POWER ON' CORRECT?
Y N

- SEE MLD VOLUME ONE (1).
- SEE PROCESSING UNIT LOGIC(S) A4XXX.

084
- REMOVE THE MODULE FROM POSITION TWO (2).
- MARK THIS MODULE AND SET IT TO ONE SIDE. IT IS SUSPECT.
- INSTALL ONE OF THE REMOVED MODULES IN POSITION TWO (2).
- POWER ON THE SYSTEM.

WHEN YOU POWER THE PROCESSING UNIT ON, THE FOLLOWING DIAGNOSTIC(S) RUN:
ROS TEST - DATA LEDS TEST - STORAGE TEST

IF THE 495X PROCESSING UNIT IS:	AFTER FIFTEEN (15) SECONDS, POWER ON INDICATIONS ARE: DATA LEDS	STOP LED	LEVEL 0 LED	POWER LED	OTHER LEDS
495X	FFFF	ON	ON	ON	OFF
4954	FFFF	ON	OFF	ON	OFF
4955	FFFF	ON	OFF	ON	OFF

THE CONSOLE IS SILENT (NO SOUND).

DID THE SYSTEM 'POWER ON' CORRECT?
Y N

085
- REMOVE THE MODULE FROM POSITION THREE (3).
- MARK THIS MODULE AND SET IT TO ONE SIDE. IT IS SUSPECT.
- INSTALL ONE OF THE REMOVED MODULES IN POSITION THREE (3).
- POWER ON THE SYSTEM.

WHEN YOU POWER THE PROCESSING UNIT ON, THE FOLLOWING DIAGNOSTIC(S) RUN:
ROS TEST - DATA LEDS TEST - STORAGE TEST

IF THE 495X PROCESSING UNIT IS:	AFTER FIFTEEN (15) SECONDS, POWER ON INDICATIONS ARE: DATA LEDS	STOP LED	LEVEL 0 LED	POWER LED	OTHER LEDS
495X	FFFF	ON	ON	ON	OFF
4954	FFFF	ON	OFF	ON	OFF
4955	FFFF	ON	OFF	ON	OFF

THE CONSOLE IS SILENT (NO SOUND).

DID THE SYSTEM 'POWER ON' CORRECT?
Y N

086
GO TO PAGE 16, STEP 109,
ENTRY POINT SM.

087
THE MODULE REMOVED FROM POSITION THREE (3) IS BAD.
- VERIFY THE REPAIR.

088
THE MODULE REMOVED FROM POSITION TWO (2) IS BAD.
- VERIFY THE REPAIR.

089
THE MODULE REMOVED FROM POSITION ONE (1) IS BAD.
- VERIFY THE REPAIR.

090
THE MODULE REMOVED FROM POSITION ZERO (0) IS BAD.
- VERIFY THE REPAIR.

091
(ENTRY POINT ML)

- REMOVE THE MODULE FROM POSITION ZERO (0).
- MARK THIS MODULE AND SET IT TO ONE SIDE.
- INSTALL ONE OF THE REMOVED MODULES THAT HAS NOT BEEN TESTED IN POSITION ZERO (0).
- POWER ON THE SYSTEM.

- SEE MLD VOLUME ONE (1).
- SEE PROCESSING UNIT LOGIC(S) A4XXX.

WHEN YOU POWER THE PROCESSING UNIT ON, THE FOLLOWING DIAGNOSTIC(S) RUN:
ROS TEST - DATA LEDS TEST - STORAGE TEST

IF THE 495X PROCESSING UNIT TYPE IS:	AFTER FIFTEEN (15) SECONDS, POWER ON INDICATIONS ARE: DATA LEDS	STOP LED	LEVEL 0 LED	POWER LED	OTHER LEDS
495X	FFFF	ON	ON	ON	OFF
4954	FFFF	ON	OFF	ON	OFF
4955	FFFF	ON	OFF	ON	OFF

THE CONSOLE IS SILENT (NO SOUND).

DID THE SYSTEM 'POWER ON' CORRECT?
Y N

092
THE MODULE IN POSITION ZERO (0) IS BAD.

WHEN A CARD IS SEATED OR UNSEATED, THE POLL JUMPER MUST BE CHECKED.
- SEE THE CORRECT BOARD LOGIC(S), (AXXXX), FOR THE POLL NETWORK.
- VERIFY THE REPAIR.

093
- SEE IF ALL MODULES HAVE BEEN TESTED USING POSITION ZERO.

HAVE ALL MODULES HAVE BEEN TESTED USING POSITION ZERO?
Y N

094
GO TO STEP 091, ENTRY POINT ML.

095
- POWER OFF THE SYSTEM.
- INSTALL ALL REMOVED MODULES.
- ENSURE THE STORAGE CARD JUMPER IS CORRECT.
- POWER ON THE SYSTEM.

- SEE MLD VOLUME ONE (1).
- SEE PROCESSING UNIT LOGIC(S) A4XXX.

WHEN YOU POWER THE PROCESSING UNIT ON, THE FOLLOWING DIAGNOSTIC(S) RUN:
ROS TEST - DATA LEDS TEST - STORAGE TEST

IF THE 495X PROCESSING UNIT TYPE IS:	AFTER FIFTEEN (15) SECONDS, POWER ON INDICATIONS ARE: DATA LEDS	STOP LED	LEVEL 0 LED	POWER LED	OTHER LEDS
495X	FFFF	ON	ON	ON	OFF
4954	FFFF	ON	OFF	ON	OFF
4955	FFFF	ON	OFF	ON	OFF

THE CONSOLE IS SILENT (NO SOUND).

DID THE SYSTEM 'POWER ON' CORRECT?
Y N

096
GO TO PAGE 16, STEP 109, ENTRY POINT SM.

097
- SEE IF THE SYSTEM IS REPAIRED.

IS THE SYSTEM REPAIRED?
Y N

098
GO TO PAGE 16, STEP 109,
ENTRY POINT SM.

099
- VERIFY THE REPAIR.

100
ONE OF THE FOUR (4) MODULES IS SUSPECT.

- SEE MLD VOLUME ONE (1).
- SEE PROCESSING UNIT LOGIC(S) A4XXX.

- POWER OFF THE SYSTEM.
- REMOVE THE MODULE FROM POSITION ZERO (0).
- MARK THIS MODULE AND SET IT TO ONE SIDE.
- INSTALL A KNOWN GOOD MODULE IN POSITION ZERO (0).
- POWER ON THE SYSTEM.

WHEN YOU POWER THE PROCESSING UNIT ON, THE FOLLOWING DIAGNOSTIC(S) RUN:
ROS TEST - DATA LEDS TEST - STORAGE TEST

IF THE 495X PROCESSING UNIT TYPE IS:	AFTER FIFTEEN (15) SECONDS, POWER ON INDICATIONS ARE: DATA LEDS	STOP LED	LEVEL 0 LED	POWER LED	OTHER LEDS
495X	FFFF	ON	ON	ON	OFF
4954	FFFF	ON	OFF	ON	OFF
4955	FFFF	ON	OFF	ON	OFF

THE CONSOLE IS SILENT (NO SOUND).

DOES THE TEST FAIL WITH THE SAME INDICATIONS?
Y N

101
THE MODULE IN POSITION ZERO (0) IS BAD.
- VERIFY THE REPAIR.

102
- POWER OFF THE SYSTEM.
- REMOVE THE MODULE FROM POSITION ONE (1).
- MARK THIS MODULE AND SET IT TO ONE SIDE.
- INSTALL THE REMOVED MODULE INTO POSITION ONE (1).
- POWER ON THE SYSTEM.

WHEN YOU POWER THE PROCESSING UNIT ON, THE FOLLOWING DIAGNOSTIC(S) RUN:
ROS TEST - DATA LEDS TEST - STORAGE TEST

IF THE 495X PROCESSING UNIT TYPE IS:	AFTER FIFTEEN (15) SECONDS, POWER ON INDICATIONS ARE: DATA LEDS	STOP LED	LEVEL 0 LED	POWER LED	OTHER LEDS
495X	FFFF	ON	ON	ON	OFF
4954	FFFF	ON	OFF	ON	OFF
4955	FFFF	ON	OFF	ON	OFF

THE CONSOLE IS SILENT (NO SOUND).

DOES THE TEST FAIL WITH THE SAME INDICATIONS?
Y N

103
THE MODULE IN POSITION ONE (1) IS BAD.
- VERIFY THE REPAIR.

104
- POWER OFF THE SYSTEM.
- REMOVE THE MODULE FROM POSITION TWO (2).
- MARK THIS MODULE AND SET IT TO ONE SIDE.
- INSTALL THE REMOVED MODULE INTO POSITION TWO (2).
- POWER ON THE SYSTEM.

WHEN YOU POWER THE PROCESSING UNIT ON, THE FOLLOWING DIAGNOSTIC(S) RUN:
ROS TEST - DATA LEDS TEST - STORAGE TEST

IF THE 495X PROCESSING UNIT TYPE IS:	AFTER FIFTEEN (15) SECONDS, POWER ON INDICATIONS ARE: DATA LEDS	STOP LED	LEVEL 0 LED	POWER LED	OTHER LEDS
495X	FFFF	ON	ON	ON	OFF
4954	FFFF	ON	OFF	ON	OFF
4955	FFFF	ON	OFF	ON	OFF

THE CONSOLE IS SILENT (NO SOUND).

DOES THE TEST FAIL WITH THE SAME INDICATIONS?
Y N

105
THE MODULE IN POSITION TWO (2) IS BAD.
- VERIFY THE REPAIR.

106
- POWER OFF THE SYSTEM.
- REMOVE THE MODULE FROM POSITION THREE (3).
- MARK THIS MODULE AND SET IT TO ONE SIDE.
- INSTALL THE REMOVED MODULE INTO POSITION THREE (3).
- POWER ON THE SYSTEM.

- SEE MLD VOLUME ONE (1).
- SEE PROCESSING UNIT LOGIC(S) A4XXX.

WHEN YOU POWER THE PROCESSING UNIT ON, THE FOLLOWING DIAGNOSTIC(S) RUN:
ROS TEST - DATA LEDS TEST - STORAGE TEST

IF THE 495X PROCESSING UNIT TYPE IS:	AFTER FIFTEEN (15) SECONDS, POWER ON INDICATIONS ARE: DATA LEDS	STOP LED	LEVEL 0 LED	POWER LED	OTHER LEDS
495X	FFFF	ON	ON	ON	OFF
4954	FFFF	ON	OFF	ON	OFF
4955	FFFF	ON	OFF	ON	OFF

THE CONSOLE IS SILENT (NO SOUND).

DOES THE TEST FAIL WITH THE SAME INDICATIONS?
Y N

107
THE MODULE IN POSITION THREE (3) IS BAD.
- VERIFY THE REPAIR.

108
GO TO STEP 109, ENTRY POINT SM.

109
(ENTRY POINT SM)

- SEE IF YOU HAVE REPLACED THE STORAGE CARD PREVIOUSLY.

HAVE YOU REPLACED THE STORAGE CARD PREVIOUSLY?
Y N

110
- POWER OFF THE SYSTEM.
- REMOVE ALL STORAGE MODULES.
- INSTALL ALL REMOVED MODULES ON A KNOWN GOOD STORAGE CARD.
- ENSURE JUMPERS ARE CORRECT.
- POWER ON THE SYSTEM.

DOES THE TEST FAIL WITH THE SAME INDICATIONS?
Y N

111
THE STORAGE CARD IS BAD.
- VERIFY THE REPAIR.

112
GO TO PAGE 22, STEP 173, ENTRY POINT FP.

113
GO TO PAGE 22, STEP 173, ENTRY POINT FP.

114
A 4955 PROCESSING UNIT IS INSTALLED.

- SEE IF THE PROCESSING UNIT MODEL INSTALLED IS:
4955 MODEL A.
4955 MODEL B.
4955 MODEL C.
4955 MODEL D.

IS THE PROCESSING UNIT MODEL INSTALLED ONE OF THE ABOVE?
Y N

115
THE PROCESSING UNIT MODEL INSTALLED IS:
4955 MODEL E.
4955 MODEL F.

- SEE IF ONLY ONE (1) STORAGE CARD IS INSTALLED.

IS ONLY ONE (1) STORAGE CARD INSTALLED?
Y N

116
- SEE THE NOTE TO THE RIGHT.
- UNSEAT ALL STORAGE CARD(S) BUT ONE (1).
- LEAVE THE STORAGE CARD SEATED NEXT TO THE PROCESSING UNIT.
- ENSURE THE STORAGE JUMPERS ARE CORRECT.
- SEE MLD VOLUME ONE (1), LOGIC AXXXX.
- POWER ON THE SYSTEM.
- RUN THE FAILING DIAGNOSTIC, IF NEEDED TO SEE THE FAILURE.
- SEE TABLE ONE (1).

THE STORAGE CARD POSITION NEXT TO THE PROCESSING UNIT CARDS IS THE POSITION USED TO TEST ALL REMOVED STORAGE CARD(S).

THE STORAGE SIZE IS CHANGED. THERE MAY BE A CONFIGURATION ERROR OR A DIAGNOSTIC FAILURE.

NOTE THIS WHEN USING THE 'FAILURE INDICATION'. DO NOT CONFUSE THE 'CONFIGURATION ERROR' CAUSED BY STORAGE SIZE WITH THE 'ERROR INDICATION' USED BY YOU.

THE STORAGE JUMPERS, IF INSTALLED, AND THE CONFIGURATION TABLE MAY HAVE TO BE CHANGED.

DOES THE TEST FAIL WITH THE SAME INDICATIONS?
Y N

117
(ENTRY POINT LA)

A REMOVED STORAGE CARD IS SUSPECT.

- POWER OFF THE SYSTEM.
- REMOVE THE INSTALLED STORAGE CARD.
- MARK IT AND SET IT TO ONE SIDE.
- INSTALL A SUSPECT STORAGE CARD THAT IS NOT TESTED.
- POWER ON THE SYSTEM.
- RUN THE FAILING DIAGNOSTIC, IF NEEDED TO SEE THE FAILURE.

DOES THE TEST FAIL WITH THE SAME INDICATIONS?
Y N

118
- SEE IF ALL REMOVED STORAGE CARDS ARE INSTALLED.

ARE ALL STORAGE CARDS INSTALLED?
Y N

119
GO TO PAGE 17, STEP 117, ENTRY POINT LA.

120
- SEE IF THE SYSTEM IS REPAIRED.

IS THE SYSTEM REPAIRED?
Y N

121
GO TO STEP 129, ENTRY POINT AE.

122
- VERIFY THE REPAIR.

123
- EXCHANGE THE STORAGE CARD JUST INSTALLED.
- VERIFY THE REPAIR.

124
THE SEATED STORAGE CARD IS SUSPECT.

- POWER OFF THE SYSTEM.
- REMOVE THE SUSPECT STORAGE CARD.
- MARK IT AND SET IT TO ONE SIDE.
- INSTALL A STORAGE CARD THAT IS NOT SUSPECT.
- RUN THE FAILING DIAGNOSTIC, IF NEEDED TO SEE THE FAILURE.

DOES THE TEST FAIL WITH THE SAME INDICATIONS?
Y N

125
- EXCHANGE THE STORAGE CARD JUST REMOVED.
- VERIFY THE REPAIR.

126
GO TO STEP 129, ENTRY POINT AE.

127
THE STORAGE CARD MAY IS SUSPECT.

- EXCHANGE THE STORAGE CARD WITH A KNOWN GOOD CARD.
- ENSURE THE STORAGE JUMPERS ARE CORRECT.
- SEE MLD VOLUME ONE (1), LOGIC AXXXX.
- POWER ON THE SYSTEM.
- RUN THE FAILING DIAGNOSTIC, IF NEEDED TO SEE THE FAILURE.
- SEE TABLE ONE (1).

DOES THE TEST FAIL WITH THE SAME INDICATIONS?
Y N

128
THE STORAGE CARD IS BAD.
- VERIFY THE REPAIR.

129
(ENTRY POINT AE)

THE ADDRESS EXPANSION CARD IS SUSPECT.

HAS THE ADDRESS EXPANSION CARD BEEN EXCHANGED BEFORE?
Y N

130
- POWER OFF THE SYSTEM.
- EXCHANGE THE ADDRESS EXPANSION CARD.
- ENSURE THE STORAGE JUMPERS ARE CORRECT.
- SEE MLD VOLUME ONE (1), LOGIC AXXXX.
- POWER ON THE SYSTEM.
- RUN THE FAILING DIAGNOSTIC, IF NEEDED TO SEE THE FAILURE.

DOES THE TEST FAIL WITH THE SAME INDICATIONS?
Y N

131
THE ADDRESS EXPANSION CARD IS BAD.
- VERIFY THE REPAIR.

132
GO TO PAGE 22, STEP 173, ENTRY POINT FP.

133
GO TO PAGE 22, STEP 173, ENTRY POINT FP.

134
THE PROCESSING UNIT MODEL INSTALLED IS:
4955 MODEL A.
4955 MODEL B.
4955 MODEL C.
4955 MODEL D.

- SEE IF ONLY ONE (1) STORAGE CARD IS INSTALLED ON THE SYSTEM.

IS ONLY ONE STORAGE CARD INSTALLED?
Y N

135
- POWER OFF THE SYSTEM.
- UNSEAT ALL STORAGE CARD(S) BUT FIRST STORAGE CARD.
- LEAVE THE STORAGE CARD SEATED NEXT TO THE PROCESSING UNIT.
- UNSEAT THE RELOCATION TRANSLATOR CARD, IF INSTALLED.
- SEE THE NOTE TO THE RIGHT.
- POWER ON THE SYSTEM.
- RUN THE FAILING DIAGNOSTIC, IF NEEDED TO SEE THE FAILURE.
- SEE TABLE ONE (1).

THE STORAGE SIZE IS CHANGED, THERE MAY BE A CONFIGURATION ERROR OR A DIAGNOSTIC FAILURE.

NOTE THIS WHEN USING THE 'FAILURE INDICATION'. DO NOT CONFUSE THE 'CONFIGURATION ERROR' CAUSED BY STORAGE SIZE WITH THE 'ERROR INDICATION' USED BY YOU.

THE STORAGE JUMPERS, IF INSTALLED, AND THE CONFIGURATION TABLE MAY HAVE TO BE CHANGED.

DOES THE TEST FAIL WITH THE SAME INDICATIONS?
Y N

136
(ENTRY POINT LD)

- POWER OFF THE SYSTEM.
- INSTALL A STORAGE CARD TO THE RIGHT OF THE LAST INSTALLED STORAGE CARD, IN THE NEXT OPEN CARD POSITION.
- SEE THE NOTE TO THE RIGHT.
- POWER ON THE SYSTEM.
- RUN THE FAILING DIAGNOSTIC, IF NEEDED TO SEE THE FAILURE.
- SEE TABLE ONE (1).

THE STORAGE SIZE IS CHANGED, THERE MAY BE A CONFIGURATION ERROR OR A DIAGNOSTIC FAILURE.

NOTE THIS WHEN USING THE 'FAILURE INDICATION'. DO NOT CONFUSE THE 'CONFIGURATION ERROR' CAUSED BY STORAGE SIZE WITH THE 'ERROR INDICATION' USED BY YOU.

THE STORAGE JUMPERS, IF INSTALLED, AND THE CONFIGURATION TABLE MAY HAVE TO BE CHANGED.

DOES THE TEST FAIL WITH THE SAME INDICATIONS?
Y N

137
- SEE IF 64K STORAGE IS INSTALLED NOW.

IS 64K STORAGE INSTALLED NOW?
Y N

138
- SEE IF ALL REMOVED STORAGE CARDS ARE INSTALLED.

ARE ALL STORAGE CARDS INSTALLED?
Y N

139
GO TO PAGE 19, STEP 136,
ENTRY POINT LD.

140
GO TO STEP 141, ENTRY POINT TR.

141
(ENTRY POINT TR)

IF A TRANSLATOR CARD IS UNSEATED:
- ANSWER THE QUESTION 'YES'.

IF A TRANSLATOR CARD IS NOT INSTALLED:
- ANSWER THE QUESTION 'NO'.

IS A TRANSLATOR CARD UNSEATED?
Y N

142
- SEE IF THE SYSTEM IS REPAIRED.

IS THE SYSTEM REPAIRED?
Y N

143
GO TO PAGE 22, STEP 173,
ENTRY POINT FP.

144
- VERIFY THE REPAIR.

145
- SEE IF THE STORAGE TRANSLATOR CARD WAS EXCHANGED BEFORE.

WAS THE TRANSLATOR CARD EXCHANGED BEFORE?
Y N

146
- POWER OFF THE SYSTEM.
- ENSURE THE JUMPERS ON THE TRANSLATOR CARD ARE CORRECT, IF USED.
- RESEAT THE TRANSLATOR CARD.
- POWER ON THE SYSTEM.
- RUN THE FAILING DIAGNOSTIC, IF NEEDED TO SEE THE FAILURE.
- SEE TABLE ONE (1).

DOES THE TEST FAIL WITH THE SAME INDICATIONS?
Y N

147
- SEE IF ALL REMOVED STORAGE CARDS ARE INSTALLED.

ARE ALL STORAGE CARDS INSTALLED?
Y N

148
(ENTRY POINT LO)

- POWER OFF THE SYSTEM.
- INSTALL A STORAGE CARD TO THE RIGHT OF THE LAST INSTALLED STORAGE CARD, IN THE NEXT OPEN CARD POSITION.
- SEE THE NOTE TO THE RIGHT.
- POWER ON THE SYSTEM.
- RUN THE FAILING DIAGNOSTIC, IF NEEDED TO SEE THE FAILURE.
- SEE TABLE ONE (1).

THE STORAGE SIZE IS CHANGED. THERE MAY BE A CONFIGURATION ERROR OR A DIAGNOSTIC FAILURE.

NOTE THIS WHEN USING THE 'FAILURE INDICATION'. DO NOT CONFUSE THE 'CONFIGURATION ERROR' CAUSED BY STORAGE SIZE WITH THE 'ERROR INDICATION' USED BY YOU.

THE STORAGE JUMPERS, IF INSTALLED, AND THE CONFIGURATION TABLE MAY HAVE TO BE CHANGED.

DOES THE TEST FAIL WITH THE SAME INDICATIONS?
Y N

149
- SEE IF ALL REMOVED STORAGE CARDS ARE INSTALLED.

ARE ALL STORAGE CARDS INSTALLED?
Y N

150
GO TO PAGE 20, STEP 148,
ENTRY POINT LO.

151
- SEE IF THE SYSTEM IS REPAIRED.

IS THE SYSTEM REPAIRED?
Y N

152
GO TO PAGE 22, STEP 173,
ENTRY POINT FP.

153
- VERIFY THE REPAIR.

154
- POWER OFF THE SYSTEM.
- REMOVE THE STORAGE CARD JUST INSTALLED.
- MARK IT AND SET IT TO ONE SIDE.
- INSTALL A KNOWN GOOD STORAGE CARD.
- POWER ON THE SYSTEM.
- RUN THE FAILING DIAGNOSTIC, IF NEEDED TO SEE THE FAILURE.

DOES THE TEST FAIL WITH THE SAME INDICATIONS?
Y N

155
THE REMOVED STORAGE CARD IS BAD.
- VERIFY THE REPAIR.

156
GO TO PAGE 22, STEP 173,
ENTRY POINT FP.

157
GO TO PAGE 22, STEP 173,
ENTRY POINT FP.

158
THE STORAGE TRANSLATOR CARD IS SUSPECT.

- POWER OFF THE SYSTEM.
- EXCHANGE THE TRANSLATOR CARD.
- ENSURE THE STORAGE JUMPERS ARE CORRECT.
- SEE MLD VOLUME ONE (1), LOGIC AXXXX.
- POWER ON THE SYSTEM.
- RUN THE FAILING DIAGNOSTIC, IF NEEDED TO SEE THE FAILURE.

DOES THE TEST FAIL WITH THE SAME INDICATIONS?
Y N

159
THE TRANSLATOR CARD IS BAD.
- VERIFY THE REPAIR.

160
GO TO PAGE 22, STEP 173, ENTRY POINT FP.

161
- SEE IF ALL REMOVED STORAGE CARDS ARE INSTALLED.

IS ALL STORAGE INSTALLED?
Y N

162
GO TO PAGE 20, STEP 148, ENTRY POINT LO.

163
GO TO PAGE 22, STEP 173, ENTRY POINT FP.

164
- POWER OFF THE SYSTEM.
- REMOVE THE LAST STORAGE CARD INSTALLED.
- MARK IT AND SET IT TO ONE SIDE.
- INSTALL A KNOWN GOOD STORAGE CARD.
- POWER ON THE SYSTEM.
- RUN THE FAILING DIAGNOSTIC, IF NEEDED TO SEE THE FAILURE.
- SEE TABLE ONE (1).

DOES THE TEST FAIL WITH THE SAME INDICATIONS?
Y N

165
THE MARKED STORAGE CARD IS BAD.
- VERIFY THE REPAIR.

166
GO TO STEP 173,
ENTRY POINT FP.

167
- POWER OFF THE SYSTEM.
- REMOVE THE STORAGE CARD INSTALLED.
- MARK IT AND SET IT TO ONE SIDE.
- INSTALL A KNOWN GOOD STORAGE CARD.
- POWER ON THE SYSTEM.
- RUN THE FAILING DIAGNOSTIC, IF NEEDED TO SEE THE FAILURE.
- SEE TABLE ONE (1).

DOES THE TEST FAIL WITH THE SAME INDICATIONS?
Y N

168
THE MARKED STORAGE CARD IS BAD.
- VERIFY THE REPAIR.

169
GO TO STEP 173, ENTRY POINT FP.

170
THERE IS ONLY ONE STORAGE CARD INSTALLED.

- POWER OFF THE SYSTEM.
- REMOVE THE STORAGE CARD.
- MARK IT AND SET IT TO ONE SIDE.
- INSTALL A KNOWN GOOD STORAGE CARD.
- POWER ON THE SYSTEM.
- RUN THE FAILING DIAGNOSTIC, IF NEEDED TO SEE THE FAILURE.
- SEE TABLE ONE (1).

DOES THE TEST FAIL WITH THE SAME INDICATIONS?
Y N

171
THE MARKED STORAGE CARD IS BAD.
- VERIFY THE REPAIR.

172
- SEE IF A RELOCATION TRANSLATOR CARD IS INSTALLED.

IS A RELOCATION TRANSLATOR CARD INSTALLED?
Y N

173
(ENTRY POINT FP)

- SEE THE NOTE TO THE RIGHT.
- SEE IF FLOATING POINT IS INSTALLED ON THE SYSTEM.

FLOATING POINT MAY BE A CARD.
FLOATING POINT MAY BE MODULES INSTALLED ON THE PROCESSING UNIT CARD.

IS FLOATING POINT INSTALLED?
Y N

174
GO TO PAGE 23, STEP 185,
ENTRY POINT RP.

175
- SEE IF FLOATING POINT WAS EXCHANGED PREVIOUSLY.

WAS FLOATING POINT EXCHANGED PREVIOUSLY?
Y N

176
- POWER OFF THE SYSTEM.
- SEE IF THE PROCESSING UNIT IS A 4955.

IS THE PROCESSING UNIT A 4955?
Y N

177
- REMOVE THE FLOATING POINT MODULES.

IS THE ACTION COMPLETE?
Y N

178
COMPLETE THE ACTION AND:
GO TO STEP 179,
ENTRY POINT FT.

179
(ENTRY POINT FT)

- POWER ON THE SYSTEM.
- RUN THE FAILING DIAGNOSTIC, IF NEEDED TO SEE THE FAILURE.
- SEE THE NOTE TO THE RIGHT.

THE FLOATING POINT IS CHANGED. THERE MAY BE A CONFIGURATION ERROR OR A DIAGNOSTIC FAILURE.

NOTE THIS WHEN USING THE 'FAILURE INDICATION'. DO NOT CONFUSE THE 'CONFIGURATION ERROR' CAUSED BY FLOATING POINT WITH THE 'ERROR INDICATION' USED BY YOU.

THE CONFIGURATION TABLE MAY HAVE TO BE CHANGED.

DOES THE TEST FAIL WITH THE SAME INDICATIONS?
Y N

180
THE FLOATING POINT IS SUSPECT.

- POWER OFF THE SYSTEM.
- EXCHANGE THE FLOATING POINT.
- ENSURE THE JUMPERS ARE CORRECT, IF INSTALLED.
- POWER ON THE SYSTEM.
- RUN THE FAILING DIAGNOSTIC, IF NEEDED TO SEE THE FAILURE.

DOES THE TEST FAIL WITH THE SAME INDICATIONS?
Y N

181
THE FLOATING POINT IS BAD.
- VERIFY THE REPAIR.

182
GO TO STEP 185,
ENTRY POINT RP.

183
GO TO STEP 185,
ENTRY POINT RP.

184
- UNSEAT THE FLOATING POINT CARD.
- REMOVE THE POLL JUMPER FROM PIN M11 TO PIN M12 IN THE CARD POSITION WHERE THE CARD WAS JUST SEATED.
- SEE THE CORRECT BOARD LOGIC(S) FOR THE POLL NETWORK.

GO TO STEP 179, ENTRY POINT FT.

185
(ENTRY POINT RP)

- SEE IF THE PROCESSING UNIT CARD(S) WAS EXCHANGED PREVIOUSLY.

WAS THE PROCESSING UNIT CARD(S) EXCHANGED PREVIOUSLY?
Y N

186
- SEE IF A 4955 PROCESSING UNIT IS INSTALLED ON THE SYSTEM.

DO YOU HAVE A 4955 PROCESSING UNIT INSTALLED?
Y N

187
- SEE LOGICS A2XXX, A3XXX, A5XXX OR A9100.
- POWER OFF THE SYSTEM.
- EXCHANGE THE PROCESSING UNIT CARD AS FOLLOWS:

IF STORAGE MODULES ARE INSTALLED.
IF FLOATING POINT MODULES ARE INSTALLED.

- REMOVE THE MODULES FROM THE OLD CARD AND INSTALL THEM ON THE NEW CARD.
- ENSURE JUMPERS ARE CORRECT, IF INSTALLED.
- POWER ON THE SYSTEM.
- RUN THE FAILING DIAGNOSTIC, IF NEEDED TO SEE THE FAILURE.
- SEE TABLE ONE (1).

DOES THE TEST FAIL WITH THE SAME INDICATIONS?
Y N

188
THE PROCESSING UNIT CARD IS BAD.
- VERIFY THE REPAIR.

189
GO TO PAGE 25, STEP 203, ENTRY POINT CB.

190
- SEE IF THE ROS CARD WAS EXCHANGED PREVIOUSLY.

WAS THE ROS CARD EXCHANGED PREVIOUSLY?
Y N

191
- POWER OFF THE SYSTEM.
- EXCHANGE THE ROS CARD.
- POWER ON THE SYSTEM.
- RUN THE FAILING DIAGNOSTIC, IF NEEDED TO SEE THE FAILURE.
- SEE TABLE ONE (1).

DOES THE TEST FAIL WITH THE SAME INDICATIONS?
Y N

192
THE ROS CARD IS BAD.
- VERIFY THE REPAIR.

193
GO TO STEP 194, ENTRY POINT AC.

194
(ENTRY POINT AC)

- SEE IF THE ADDRESS CARD WAS EXCHANGED PREVIOUSLY.

WAS THE ADDRESS CARD EXCHANGED PREVIOUSLY?
Y N

195
- POWER OFF THE SYSTEM.
- EXCHANGE THE ADDRESS CARD.
- POWER ON THE SYSTEM.
- RUN THE FAILING DIAGNOSTIC, IF NEEDED TO SEE THE FAILURE.
- SEE TABLE ONE (1).

DOES THE TEST FAIL WITH THE SAME INDICATIONS?
Y N

196
THE ADDRESS CARD IS BAD.
- VERIFY THE REPAIR.

197
GO TO STEP 198, ENTRY POINT DC.

198
(ENTRY POINT DC)

- SEE IF THE DATA CARD WAS EXCHANGED PREVIOUSLY.

WAS THE DATA CARD EXCHANGED PREVIOUSLY?
Y N

199
- POWER OFF THE SYSTEM.
- EXCHANGE THE DATA CARD.
- POWER ON THE SYSTEM.
- RUN THE FAILING DIAGNOSTIC, IF NEEDED TO SEE THE FAILURE.
- SEE TABLE ONE (1).

DOES THE TEST FAIL WITH THE SAME INDICATIONS?
Y N

200
THE DATA CARD IS BAD.
- VERIFY THE REPAIR.

201
GO TO STEP 203,
ENTRY POINT CB.

202
GO TO STEP 203, ENTRY POINT CB.

203
(ENTRY POINT CB)

THE CABLE(S) OR THE BOARD ARE SUSPECT.

- POWER OFF THE SYSTEM.
- INSPECT THE BOARD FOR MECHANICAL PROBLEMS.
- SEE THE PROCESSING UNIT CABLE(S) FOR AN OPEN, A SHORT OR A GROUND.
- SEE PAXXX FOR PROCESSING UNIT CABLE(S).
- POWER ON THE SYSTEM.
- RUN THE FAILING DIAGNOSTIC, IF NEEDED TO SEE THE FAILURE.

DOES THE TEST FAIL WITH THE SAME INDICATIONS?
Y N

204
THE PROBLEM MAY BE INTERMITTENT OR A LOOSE CABLE OR CARD.
GO TO FREELANCE MODE.

205
- SEE IF A VOLTAGE CHECK WAS DONE ON THE BOARD(S) AND PINS.

WAS A VOLTAGE CHECK DONE?
Y N

206
- SEE LOGICS A2XXX, A3XXX, A5XXX OR A9100.
- SEE IF ALL THE VOLTAGES ON THE BOARD(S) AND PINS ARE CORRECT.

ARE ALL THE VOLTAGES CORRECT?
Y N

207
GO TO MAP 1470, ENTRY POINT A.

208
GO TO STEP 209, ENTRY POINT PW.

209
(ENTRY POINT PW)

- SEE IF THE 'POWER ON RESET' LINE WAS CHECKED PREVIOUSLY.

WAS THE 'POWER ON RESET' LINE CHECKED PREVIOUSLY?
Y N

210
- REMOVE THE FRONT COVER.
- SEE THE POWER SUPPLY ON THE SUSPECT 49XX.
- SEE THE PROCESSING UNIT MIM, 'POWER SUPPLY LOCATION(S)'.
- SEE THE POWER SUPPLY LOGIC(S) YA32X OR YA2XX.
- SEE THE POWER ON RESET LINE.

ARE THERE THREE LEDS INSTALLED ON THE POWER SUPPLY?
Y N

211
- PROBE THE POR PIN ON THE POSITION WHERE IT ENTERS ON THE BOARD.
- SEE LOGICS A2XXX, A3XXX, A5XXX OR A9100.
- POWER OFF THE SYSTEM.

WHEN PROBING THE POR PULSE, THE PROBE WILL SHOW THE FOLLOWING SEQUENCE WHEN THE SYSTEM IS POWERED ON.

PROBE	THIS IS:
UP.....	+5V AT THE PROBE.
DOWN.....	POR PULSE ACTIVE.
UP.....	POR PULSE NOT ACTIVE.

- POWER ON THE SYSTEM.
- SEE THE LED(S) ON THE PROBE.

IS THE POR PULSE CORRECT ON THIS POSITION?
Y N

212
THE PROBLEM IS IN THE CABLE FROM THE POWER SUPPLY TO THE BOARD, THE BOARD ITSELF, OR SOME CARD INSTALLED ON THE BOARD. SUSPECT A GROUND IN THIS AREA.
USE MAP 1470 TO ISOLATE THE POR LINE TO THE POWER SUPPLY.

- ISOLATE AND REPAIR THE PROBLEM.
- VERIFY THE REPAIR.

213
- PROBE POR PIN S05 ON ALL THE I/O CARD POSITION(S) ON THE BOARD.

NOTE POR PIN ON THE 'A' CARD POSITION.

- SEE LOGICS A2XXX, A3XXX, A5XXX OR A9100.
- POWER OFF THE SYSTEM.

WHEN PROBING THE POR PULSE, THE PROBE WILL SHOW THE FOLLOWING SEQUENCE WHEN THE SYSTEM IS POWERED ON.

PROBE	THIS IS:
UP.....	+5V AT THE PROBE.
DOWN.....	POR PULSE ACTIVE.
UP.....	POR PULSE NOT ACTIVE.

- POWER ON THE SYSTEM.
- SEE THE LED(S) ON THE PROBE.

IS THE POR PULSE CORRECT ON ALL S05 I/O PINS?
Y N

214
THE POWER ON RESET LINE IS NOT CORRECT ON THE BOARD. SUSPECT THE POR WIRE NETWORK IS OPEN OR SHORTED. SUSPECT A CARD INSTALLED ON THE BOARD IS OPEN OR SHORTED.

SEE THE CORRECT LOGICS FOR THE POWER SUPPLY AND THE BOARD WITH THE PROBLEM.
USE MAP 1470 TO ISOLATE THE POR LINE TO THE POWER SUPPLY.

- ISOLATE AND REPAIR THE PROBLEM.
- VERIFY THE REPAIR.

215
THE PROBLEM MAY BE THE BOARD.
GO TO PAGE 27, STEP 223, ENTRY POINT DV.

216
THE LOWEST LED IS THE 'POR' LED.
THE POR LED SHOULD GO ON, THEN OFF WHEN THE 49XX IS POWERED ON.

- POWER OFF THE SYSTEM.
- WAIT 15 SECONDS.
- POWER ON THE SYSTEM.

DID THE POR LED GO ON, THEN OFF AS INDICATED ABOVE?
Y N

217
- POWER OFF THE SYSTEM.
- SEE LOGIC YA34X.
- REMOVE THE POWER CABLE(S) ON THE REAR OF THE BOARD.
- POWER ON THE SYSTEM.

DID THE POR LED GO ON, THEN OFF?
Y N

218
GO TO MAP 1470, ENTRY POINT A.

219
THE PROBLEM IS IN THE CABLE FROM THE POWER SUPPLY TO THE BOARD, THE BOARD ITSELF, OR SOME CARD INSTALLED ON THE BOARD. SUSPECT A GROUND IN THIS AREA.

- ISOLATE AND REPAIR THE PROBLEM.
- VERIFY THE REPAIR.

220
THE POR PULSE IS CORRECT FROM THE POWER SUPPLY.

- PROBE FOR PIN S05 ON ALL I/O CARD POSITION(S) ON THE BOARD.

NOTE POR PIN ON 'A' CARD POSITION.

- SEE LOGICS A2XXX, A3XXX, A5XXX OR A9100.
- POWER OFF THE SYSTEM.

WHEN PROBING THE POR PULSE, THE PROBE WILL SHOW THE FOLLOWING SEQUENCE WHEN THE SYSTEM IS POWERED ON.

PROBE	THIS IS:
UP.....	+5V IS AT THE PROBE.
DOWN.....	POR PULSE ACTIVE.
UP.....	POR PULSE NOT ACTIVE.

- POWER ON THE SYSTEM.
- SEE THE LED(S) ON THE PROBE.

IS THE POR PULSE CORRECT ON ALL S05 I/O PINS?
Y N

221
THE POWER ON RESET IS CORRECT IN THE POWER SUPPLY, BUT NOT CORRECT ON THE BOARD. THE POR WIRE IS OPEN IN THE CABLE FROM THE POWER SUPPLY TO THE BOARD, OR THE BOARD NETWORK IS OPEN.

- SEE THE CORRECT LOGIC(S) FOR THE POWER SUPPLY AND THE BOARD WITH THE PROBLEM.
- CORRECT THE PROBLEM.
- VERIFY THE REPAIR.

222
THE PROBLEM MAY BE THE BOARD.
GO TO STEP 223, ENTRY POINT DV.

223
(ENTRY POINT DV)

- SEE IF THE SYMPTOMS CHANGED AS YOU USED THIS MAP.

DID THE SYMPTOMS CHANGE AS YOU USED THIS MAP?
Y N

224
YOU MAY HAVE A PROBLEM ON A DEVICE THAT IS CAUSING THE CHANNEL TO FAIL. THIS MAP CANNOT ISOLATE THIS FOR YOU. 'SYSTEM TEST', 'FRIEND' OR THE CUSTOMER PROGRAM MAY BE AN AID IN FINDING THE PROBLEM.

- RECONNECT ALL THE CABLE(S) AND THE CARD(S) REMOVED IN THIS MAP.
GO TO MAP 0072, ENTRY POINT A.

225
IF THE SYMPTOMS HAVE CHANGED AS YOU USED THIS MAP, IT MAY BE THAT YOUR POLL JUMPERING IS NOT CORRECT.

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

226
- SEE THE DATA LAMPS AFTER POWER ON:

002X
CK LED ON.

DO THE DATA LAMPS EQUAL '002X', CK LAMP ON, WHEN POWERED ON?
Y N

227
GO TO MAP 0072, ENTRY POINT A.

228
SUSPECT A POLL JUMPER IS NOT CORRECT. WHEN A CARD IS SEATED OR UNSEATED, THE POLL JUMPER MUST BE CHECKED.
- SEE THE CORRECT BOARD LOGIC(S), (AXXXX), FOR THE POLL NETWORK.
- SEE THE CORRECT LOGIC FOR YOUR BOARD AND THE THEORY DIAGRAMS MANUAL, 'POLL' FOR ADDITIONAL INFORMATION OF THE POLLING CIRCUIT.

229
- PRESS THE LOAD PUSHBUTTON.
- WAIT 15 SECONDS.

DO THE DATA LAMPS EQUAL '00E5'?
Y N

230
GO TO MAP 0072, ENTRY POINT A.

231
SUSPECT A POLL JUMPER IS NOT CORRECT. WHEN A CARD IS SEATED OR UNSEATED, THE POLL JUMPER MUST BE CHECKED.
- SEE THE CORRECT BOARD LOGIC(S), (AXXXX), FOR THE POLL NETWORK.
- SEE THE CORRECT LOGIC FOR YOUR BOARD AND THE THEORY DIAGRAMS MANUAL, 'POLL' FOR ADDITIONAL INFORMATION OF THE POLLING CIRCUIT.

232
GO TO PAGE 20, STEP 141, ENTRY POINT TR.

233
- SEE IF THE TWO CHANNEL SWITCH CARD WAS EXCHANGED PREVIOUSLY.

WAS THE TWO CHANNEL SWITCH CARD EXCHANGED?
Y N

234
- POWER OFF THE SYSTEM.
- EXCHANGE THE TWO CHANNEL SWITCH CARD WITH A KNOWN GOOD CARD.
- ENSURE THE CABLE(S) TO THIS CARD ARE RECONNECTED BY YOU.
- POWER ON THE SYSTEM.
- RUN THE FAILING DIAGNOSTIC, IF NEEDED TO SEE THE FAILURE.

DOES THE TEST FAIL WITH THE SAME INDICATIONS?
Y N

235
THE TWO CHANNEL SWITCH CARD JUST EXCHANGED IS FAILING.
A KNOWN GOOD TWO CHANNEL SWITCH CARD IS INSTALLED IN THE SYSTEM.
- VERIFY THE REPAIR.

236
- POWER OFF THE SYSTEM.
- CHECK THE EIGHT (8) CABLES FROM THE TWO CHANNEL SWITCH CARD TO THE BOARDS FOR AN OPEN, A SHORT OR A GROUND.
- CHECK THE CABLE FROM THE TWO CHANNEL SWITCH CARD TO THE TWO CHANNEL SWITCH CONSOLE.

ARE THE CABLES CORRECT?
Y N

237
- REPAIR OR EXCHANGE THE FAILING CABLE.
- VERIFY THE REPAIR.

238
GO TO PAGE 6, STEP 042, ENTRY POINT ST.

239
GO TO PAGE 6, STEP 042, ENTRY POINT ST.