

ENTRY POINTS

```

-----
FROM | ENTER THIS MAP
-----+-----
MAP | ENTRY PAGE STEP
NUMBER | POINT NUMBER NUMBER
-----+-----
EA04 | A 2 003

```

EXIT POINTS

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-----
EXIT THIS MAP | TO
-----+-----
PAGE STEP | MAP ENTRY
NUMBER NUMBER | NUMBER POINT
-----+-----
4 015 | EA15 A
6 027 | EA15 A
9 039 | EA15 A
11 051 | EA15 A
4 016 | EA20 A
4 017 | EA20 A
7 028 | EA20 A
7 029 | EA20 A
9 040 | EA20 A
9 041 | EA20 A
12 052 | EA20 A
12 053 | EA20 A
12 056 | EA20 A

```

001

DO NOT LOAD THIS MAP. IT NEEDS DATA PASSED FROM ANOTHER MAP EA00. LOAD MAP EA00.

CHECK FOR MANUAL LOAD.

WAS THIS MAP LOADED BY ANOTHER MAP?

MDI=\$TUXX,TEA00,2,FFFF,EQ

Y N

| 002

| LOAD MAP EA00

| DO NOT LOAD THIS MAP. IT NEEDS DATA PASSED FROM ANOTHER MAP EA00. LOAD MAP EA00.

| MDI=\$FIXT

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REVISED 1979

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A FPMLC AUTO MAP
1
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MAP EA05-2

003
(ENTRY POINT A)

CONNECT INTERRUPT POINTER FOR DCP
RESULT=0?

MDI=\$TUXX,TEA0F,2,0000,EQ

Y N

004
GO TO MAP 0070
MDI=\$FIXT

005
DEVICE RESET TO ALL DEVICES
RESULT= 0?

MDI=\$TUXX,TEA01,2,0000,EQ

Y N

006
EXCHANGE CONTROLLER CARD
VERIFY THE REPAIR.
MDI=\$FIXT

007
PREPARE TO LEVEL 0 ALL ATTACHED
DEVICES

RESULT= 0?

MDI=\$TUXX,TEA03,2,0000,EQ,PLNG=4,
PARM=0001

Y N

008
EXCHANGE CONTROLLER CARD
VERIFY THE REPAIR.
MDI=\$FIXT

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3
B

MAP EA05-2

B
2

FPMLC AUTO MAP

MAP EA05-3

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009

SET CONTROL/SET MODE

SET MODE 8 DATA BITS, 2 SYNC
CHARACTERS, NO PARITY

RESULT= 0

MDI=\$TUXX,TEA07,2,0000,EQ,

PLNG=24,

PARM=0003/0007/00F0/7F00/1616

Y N

010

EXCHANGE CONTROLLER CARD

VERIFY THE REPAIR.

MDI=\$FIXT

011

DIAGNOSTIC 2 TO ALL DEVICES

RESULT= 0?

MDI=\$TUXX,TEA36,2,0000,EQ,PLNG=9,

PARM=0008/7F00

Y N

012

DID ONE LINE FAIL?

DIAGNOSTIC ERROR ON SINGLE LINE?

IF 'LOOP STEP TO STEP' OPTION IS
'ON' (OPTION BYTE 02, BIT 01),
THIS STEP NEEDS THE PRECEDING
STEP FOR SETUP.

RESULT= 1?

MDI=\$TUXX,TEA00,2,0001,EQ

Y N

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5 5 4
C D E

MAP EA05-3

E
3

FPMLC AUTO MAP

MAP EA05-4

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013

WAS THERE MORE THAN 1 ERROR ON 1
CARD?

IF 'LOOP STEP TO STEP' OPTION IS
'ON' (OPTION BYTE 02, BIT 01),
THIS STEP NEEDS THE PRECEDING
STEP FOR SETUP.

RESULT= 2?

MDI=\$TUXX,TEA00,2,0002,EQ

Y N

014

DID ALL LINES ON ONE CARD FAIL?

DIAGNOSTIC ERROR ON ALL LINES ON
ONE CARD?

RESULT= 3?

MDI=\$TUXX,TEA00,2,0003,EQ

Y N

015

MORE THAN 4 ERRORS

GO TO MAP EA15

GO TO MAP EA15,

ENTRY POINT A.

MDI=\$CALL,TYPE=XTRNL,

MAP=EA15,EP=A

016

ALL LINES FAILED ON ONE CARD

GO TO MAP EA20

GO TO MAP EA20, ENTRY POINT A.

MDI=\$CALL,TYPE=XTRNL,MAP=EA20,

EP=A

017

MORE THAN 1 BUT NOT 4 LINES
FAILED

GO TO MAP EA20

GO TO MAP EA20, ENTRY POINT A.

MDI=\$CALL,TYPE=XTRNL,MAP=EA20,

EP=A

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MAP EA05-4

C D
3 3

FPMLC AUTO MAP

MAP EA05-5

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018
SINGLE LINE ERROR EXCHANGE
ADAPTER CARD FOR FAILING
ADDRESS
MDI=\$FIXT

019
RESET COMMAND TO ALL ATTACHED
DEVICES
RESULT= 0;
MDI=\$TUXX,TEA01,2,0000,EQ
Y N

020
EXCHANGE CONTROLLER CARD
VERIFY THE REPAIR.
MDI=\$FIXT

021
SET CONTROL/SET MODE
SET MODE 6 DATA BITS, 2 SYNC,
EVEN PARITY

RESULT= 0
MDI=\$TUXX,TEA07,2,0000,EQ,
PLNG=24,
PARM=0003/0007/00D3/7F00/011F
Y N

022
EXCHANGE CONTROLLER CARD
VERIFY THE REPAIR.
MDI=\$FIXT

023
DIAGNOSTIC 2 TO ALL DEVICES
RESULT= 0?
MDI=\$TUXX,TEA36,2,0000,EQ,PLNG=9,
PARM=0006/7F00

Y N
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7 6
F G

MAP EA05-5

G
5

FPMLC AUTO MAP

MAP EA05-6

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024
DID ONE LINE FAIL?

DIAGNOSTIC ERROR ON SINGLE LINE?

IF 'LOOP STEP TO STEP' OPTION IS
'ON' (OPTION BYTE 02, BIT 01),
THIS STEP NEEDS THE PRECEDING
STEP FOR SETUP.

RESULT= 1?
MDI=\$TUXX,TEA00,2,0001,EQ
Y N

025
WAS THERE MORE THAN 1 ERROR ON
1 CARD?

IF 'LOOP STEP TO STEP' OPTION
IS 'ON' (OPTION BYTE 02, BIT
01), THIS STEP NEEDS THE
PRECEDING STEP FOR SETUP.

RESULT= 2?
MDI=\$TUXX,TEA00,2,0002,EQ
Y N

026
DID ALL LINES ON ONE CARD
FAIL?

DIAGNOSTIC ERROR ON ALL LINES ON
ONE CARD?

RESULT= 3?
MDI=\$TUXX,TEA00,2,0003,EQ
Y N

027
MORE THAN 4 ERRORS
GO TO MAP EA15
GO TO MAP EA15,
ENTRY POINT A.
MDI=\$CALL,TYPE=XTRNL,
MAP=EA15,EP=A

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7 7 7
H J K

MAP EA05-6

F H J K
5 6 6 6

FPMLC AUTO MAP

MAP EA05-7

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028

ALL LINES FAILED ON ONE

CARD

GO TO MAP EA20

GO TO MAP EA20,

ENTRY POINT A.

MDI=\$CALL,TYPE=XTRNL,

MAP=EA20,EP=A

029

MORE THAN 1 BUT NOT 4 LINES

FAILED

GO TO MAP EA20

GO TO MAP EA20,

ENTRY POINT A.

MDI=\$CALL,TYPE=XTRNL,

MAP=EA20,EP=A

030

SINGLE LINE ERROR EXCHANGE

ADAPTER CARD FOR FAILING

ADDRESS

MDI=\$FIXT

031

RESET COMMAND TO ALL ATTACHED

DEVICES

RESULT= 0?

MDI=\$TUXX.TEA01,2,00C0,EQ

Y N

032

EXCHANGE CONTROLLER CARD

VERIFY THE REPAIR.

MDI=\$FIXT

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8
L

MAP EA05-7

L
7

FPMLC AUTO MAP

MAP EA05-8

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033

SET CONTROL/SET MODE

SET MODE 5 DATA BITS, 1 SYNC, NO
PARITY

RESULT= 0

MDI=\$TUXX,TEA07,2,0000,EQ,

PLNG=24,

PARM=0003/0007/00C8/7F00/1600

Y N

034

EXCHANGE CONTROLLER CARD

VERIFY THE REPAIR.

MDI=\$FIXT

035

DIAGNOSTIC 2 TO ALL DEVICES

RESULT= 0?

MDI=\$TUXX,TEA36,2,0000,EQ,PLNG=9,

PARM=0005/7F00

Y N

036

DID ONE LINE FAIL?

DIAGNOSTIC ERROR ON SINGLE LINE?

IF 'LOOP STEP TO STEP' OPTION IS
'ON' (OPTION BYTE 02, BIT 01),
THIS STEP NEEDS THE PRECEDING
STEP FOR SETUP.

RESULT= 1?

MDI=\$TUXX,TEA00,2,0001,EQ

Y N

1 1
0 0 9
M N P

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MAP EA05-8

P
8

FPMLC AUTO MAP

MAP EA05-9

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037
WAS THERE MORE THAN 1 ERROR ON 1
CARD?

IF 'LOOP STEP TO STEP' OPTION IS
'ON' (OPTION BYTE 02, BIT 01),
THIS STEP NEEDS THE PRECEDING
STEP FOR SETUP.

RESULT= 2?
MDI=\$TUXX,TEA00,2,0002,EQ

Y N

038
DID ALL LINES ON ONE CARD FAIL?

DIAGNOSTIC ERROR ON ALL LINES ON
ONE CARD?

RESULT= 3?
MDI=\$TUXX,TEA00,2,0003,EQ

Y N

039
MORE THAN 4 ERRORS
GO TO MAP EA15
GO TO MAP EA15,
ENTRY POINT A.
MDI=\$CALL,TYPE=XTRNL,
MAP=EA15,EP=A

040
ALL LINES FAILED ON ONE CARD
GO TO MAP EA20
GO TO MAP EA20, ENTRY POINT A.
MDI=\$CALL,TYPE=XTRNL,MAP=EA20,
EP=A

041
MORE THAN 1 BUT NOT 4 LINES
FAILED
GO TO MAP EA20
GO TO MAP EA20, ENTRY POINT A.
MDI=\$CALL,TYPE=XTRNL,MAP=EA20,
EP=A

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MAP EA05-9

M N
8 8

FPMLC AUTO MAP

MAP EA05-10

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| |
| |
| |
| 042
| SINGLE LINE ERROR EXCHANGE
| ADAPTER CARD FOR FAILING
| ADDRESS
| MDI=\$FIXT

|
043
RESET COMMAND TO ALL ATTACHED
DEVICES
RESULT= 0?
MDI=\$TUXX,TEA01,2,0000,EQ

Y N

| |
| 044
| EXCHANGE CONTROLLER CARD
| VERIFY THE REPAIR.
| MDI=\$FIXT

|
045
SET CONTROL/SET MODE

SET MODE 8 DATA BITS, 2 SYNC, ODD
PARITY

RESULT= 0
MDI=\$TUXX,TEA07,2,0000,EQ,
PLNG=24,
PARM=0003/0007/00F1/7F00/3232

Y N

| |
| 046
| EXCHANGE CONTROLLER CARD
| VERIFY THE REPAIR.
| MDI=\$FIXT

|
047
DIAGNOSTIC 2 TO ALL DEVICES
RESULT= 0?
MDI=\$TUXX,TEA24,2,0000,EQ,
PLNG=19,PARM=0008/7F00/20F2/0247

Y N

| |
| |
| |
| |
| |
| |
| |

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1 1
2 1
Q R

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MAP EA05-10

R FPM: C AUTO MAP
1
0 FEAT #2095/2096
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MAP EA05-11

048
DID ONE LINE FAIL?

DIAGNOSTIC ERROR ON SINGLE LINE?

IF 'LOOP STEP TO STEP' OPTION IS
'ON' (OPTION BYTE 02, BIT 01),
THIS STEP NEEDS THE PRECEDING
STEP FOR SETUP.

RESULT= 1?
MDI=\$TUXX,TEA00,2,0001,EQ
Y N

049
WAS THERE MORE THAN 1 ERROR ON
1 CARD?

IF 'LOOP STEP TO STEP' OPTION
IS 'ON' (OPTION BYTE 02, BIT
01), THIS STEP NEEDS THE
PRECEDING STEP FOR SETUP.

RESULT= 2?
MDI=\$TUXX,TEA00,2,0002,EQ
Y N

050
DID ALL LINES ON ONE CARD
FAIL?

DTR ENABLE ERROR ON ALL LINES ON
ONE CARD?

RESULT= 3?
MDI=\$TUXX,TEA00,2,0003,EQ
Y N

051
MORE THAN 4 ERRORS
GO TO MAP EA15
GO TO MAP EA15,
ENTRY POINT A.
MDI=\$CALL,TYPE=XTRNL,
MAP=EA15,EP=A

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1 1 1
2 2 2
S T U

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MAP EA05-11

Q S T U FPMLC AUTO MAP
1 1 1 1
0 1 1 1 FEAT #2095/2096

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052
ALL LINES FAILED ON ONE
CARD
GO TO MAP EA20
GO TO MAP EA20,
ENTRY POINT A.
MDI=\$CALL,TYPE=XTRNL,
MAP=EA20,EP=A

053
MORE THAN 1 BUT NOT 4 LINES
FAILED
GO TO MAP EA20
GO TO MAP EA20,
ENTRY POINT A.
MDI=\$CALL,TYPE=XTRNL,
MAP=EA20,EP=A

054
SINGLE LINE ERROR EXCHANGE
ADAPTER CARD FOR FAILING
ADDRESS
MDI=\$FIXT

055
START CYCLE STEAL STATUS AND TEST
STATUS WORDS 2 AND 3 ON ALL
ATTACHED DEVICES
RESULT= 0?
MDI=\$TUXX,TEA13,2,0000,EQ,PLNG=9,
PARM=0000/0000

Y N

056
ISB OR STATUS WORD ERROR
GO TO MAP EA20
GO TO MAP EA20, ENTRY POINT A.
MDI=\$CALL,TYPE=XTRNL,MAP=EA20,
EP=A

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V FPMLC AUTO MAP
1
2 FEAT #2095/2096

MAP EA05-13

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|
|

057
RESET COMMAND TO ALL ATTACHED
DEVICES
RESULT= 0?
MDI=\$TUXX,TEA01,2,0000,EQ
Y N

| 058
| EXCHANGE CONTROLLER CARD
| VERIFY THE REPAIR.
| MDI=\$FIXT
|

059
END OF AUTOMATIC MAPS, GO TO MAP
EA10 FOR MORE TESTING. THIS MAP
HAS COMPLETED WITHOUT TESTING
TRANSMIT OR RECEIVE EIA OUTPUT
CIRCUIT OR CURRENT INTERFACE
OUTPUT CIRCUITS.
MDI=\$STOP

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MAP EA05-13