

FEAT #2095/2096

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ENTRY POINTS

-----			
FROM	ENTER THIS MAP		
-----			
MAP	ENTRY	PAGE	STEP
NUMBER	POINT	NUMBER	NUMBER
-----			
EA20	A	2	003

EXIT POINTS

-----			
EXIT THIS MAP		TO	
-----			
PAGE	STEP	MAP	ENTRY
NUMBER	NUMBER	NUMBER	POINT
-----			
7	030	EA14	A
8	036	EA14	A
9	042	EA14	A
10	048	EA14	A
6	026	1470	A

001  
 THIS MAP ASSUMES THAT A FAILURE HAS OCCURRED IN ANOTHER MAP, AND, THEREFORE, WILL ALWAYS IDENTIFY A FAILING FIELD REPLACEMENT UNIT. USE ONLY WHEN INSTRUCTED TO DO SO BY ANOTHER MAP.

DO NOT LOAD THIS MAP. IT NEEDS DATA PASSED FROM MAP EA20. LOAD MAP EA20.

CHECK FOR MANUAL LOAD

WAS THIS MAP LOADED BY ANOTHER MAP?

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

| 002  
 | LOAD MAP EA20  
 | DO NOT LOAD THIS MAP. IT NEEDS  
 | DATA PASSED FROM MAP EA20.  
 | LOAD MAP EA20.  
 | MDI=\$FIXT

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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 ATTACHED DEVICES  
RESULT= 0?

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

Y N

| 006  
| DEVICE RESET ERROR, EXCHANGE  
| CONTROLLER CARD  
| VERIFY THE REPAIR.  
| MDI=\$FIXT

007  
PREPARE TO LEVEL 1  
RESULT= 0?

MDI=\$TUXX,TEA03,2,0000,EQ,PLNG=4,  
PARM=0011

Y N

| 008  
| PREPARE LEVEL 1 ERROR, EXCHANGE  
| CONTROLLER CARD  
| VERIFY THE REPAIR.  
| MDI=\$FIXT

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B  
2

FPMLC CONTROLLER

MAP EA21-3

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009

DCB RESET COMMAND TO ALL ATTACHED  
DEVICES

RESULT= 0?

MDI=\$TUXX,TEA11,2,0000,EQ,PLNG=4,  
PARM=0003

Y N

010

EXCHANGE CONTROLLER CARD

VERIFY THE REPAIR.

MDI=\$FIXT

011

PREPARE TO LEVEL 0 ALL ATTACHED  
DEVICES

RESULT= 0?

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

Y N

012

PREPARE LEVEL 0 ERROR, EXCHANGE  
CONTROLLER CARD

VERIFY THE REPAIR.

MDI=\$FIXT

013

DCB RESET COMMAND TO ALL ATTACHED  
DEVICES

RESULT= 0?

MDI=\$TUXX,TEA11,2,0000,EQ,PLNG=4,  
PARM=0003

Y N

014

EXCHANGE CONTROLLER CARD

VERIFY THE REPAIR.

MDI=\$FIXT

TEST INTERRUPT AT LEVEL 1

TEST INTERRUPT AT LEVEL 0

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4  
C

MAP EA21-3

C  
3

FPMLC CONTROLLER

MAP EA21-4

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015

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

ENSURE THAT I BIT IS NOT RESET.

016

INPUT/OUTPUT RESET ERROR,  
EXCHANGE CONTROLLER CARD  
VERIFY THE REPAIR.  
MDI=\$FIXT

017

START CYCLE STEAL STATUS TO ALL  
ATTACHED DEVICES  
RESULT= 0?  
MDI=\$TUXX,TEA1A,2,0000,EQ  
Y N

TEST INTERRUPT LEVEL 0 FOLLOWING  
A RESET

018

SCSS COMMAND ERROR, EXCHANGE  
CONTROLLER CARD  
VERIFY THE REPAIR.  
MDI=\$FIXT

019

DCB RESET COMMAND TO ALL ATTACHED  
DEVICES  
RESULT= 0?  
MDI=\$TUXX,TEA11,2,0000,EQ,PLNG=4,  
PARM=0003  
Y N

PREPARE FOR RESIDUAL ADDRESS TEST

020

INTERRUPT ERROR LEVEL 1,  
EXCHANGE CONTROLLER CARD  
VERIFY THE REPAIR.  
MDI=\$FIXT

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5  
D

MAP EA21-4

D  
4

FPMLC CONTROLLER

MAP EA21-5

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021

START CYCLE STEAL STATUS TO ALL  
ATTACHED DEVICES

TEST START CYCLE STEAL STATUS  
COMMAND

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

RESULT= 0?

MDI=\$TUXX,TEA1A,2,0000,EQ

Y N

022

SCSS COMMAND ERROR, EXCHANGE  
CONTROLLER CARD  
VERIFY THE REPAIR.

MDI=\$FIXT

023

TEST RESIDUAL ADDRESS

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

RESULT= 0?

MDI=\$TUXX,TEA91,2,0000,EQ,PLNG=4,

PARM=000D

Y N

024

RESIDUAL ADDRESS ERROR,  
EXCHANGE CONTROLLER CARD  
VERIFY THE REPAIR.

MDI=\$FIXT

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6  
E

MAP EA21-5

E  
5

FPMLC CONTROLLER

MAP EA21-6

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025

SEE THE CHART AND TEST THE + AND  
- 12VDC  
AT THE ADAPTER CARD ON THE BOARD  
----->

PIN	VOLTAGE
B11	+12 VDC
B06	-12 VDC

\*CE RESPONSE NECESSARY.\*  
VOLTAGES CORRECT?  
MDI=\$QUES  
Y N

026  
CHECK FOR CORRECT POWER SUPPLY  
HARDWARE TO SUPPLY + AND -12V  
THEN GO TO POWER MAP 1470 EP A.  
GO TO MAP 1470, ENTRY POINT A.  
MDI=\$FIXT

027  
(ENTRY POINT B)  
CONNECT COMMUNICATIONS INDICATOR  
PANEL TO CONTROLLER CARD AT TOP  
CARD CONNECTOR J1, AND SET  
SWITCHES TO 11100000

\*CE RESPONSE NECESSARY.\*  
ARE SWITCHES SET?  
MDI=\$QUES  
Y N

028  
GO TO STEP 027,  
ENTRY POINT B.  
MDI=\$GOTO,TYPE=INTRNL,EP=B

7  
F

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MAP EA21-6

F  
6

FPMLC CONTROLLER

MAP EA21-7

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029

CHECK INDICATOR PANEL LAMPS

\*CE RESPONSE NECESSARY.\*

ARE ALL LAMPS FLASHING?

MDI=\$QUES

Y N

030

LAMPS BAD

GO TO MAP EA14, ENTRY POINT A.

MDI=\$GOTO,TYPE=XTRNL,MAP=EA14,

EP=A

031

(ENTRY POINT C)

PLACE SWITCHES OF THE  
COMMUNICATIONS INDICATOR PANEL TO  
11111111.

ALL SWITCHES ON?

\*CE RESPONSE NECESSARY.\*

ALL SWITCHES ON?

MDI=\$QUES

Y N

032

GO TO STEP 031,

ENTRY POINT C.

MDI=\$GOTO,TYPE=INTRNL,EP=C

033

START CYCLE STEAL STATUS COMMAND

PREPARE CHECK INDICATOR PANEL  
SWITCHES

TEST UNIT EA12

RESULT=0?

MDI=\$TUXX,TEA12,2,0000,EQ

Y N

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

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8 8  
G H

MAP EA21-7

G H  
7 7

FPMLC CONTROLLER

MAP EA21-8

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034

EXCHANGE THE CONTROLLER CARD

VERIFY THE REPAIR.

MDI=\$FIXT

035

TEST STATUS WORD 2 FOR 11111111

TEST WORD 2 FOR CORRECT INDICATOR  
PANEL STATUS

TEST UNIT EA31

RESULT= 0?

MDI=\$TUXX,TEA31,2,0000,EQ,PLNG=4,

PARM=00FF

Y N

036

GO TO MAP EA14, ENTRY POINT A.

MDI=\$GOTO,TYPE=XTRNL,MAP=EA14,

EP=A

037

(ENTRY POINT D)

PLACE SWITCHES OF THE  
COMMUNICATIONS INDICATOR PANEL TO  
10101010.

ALTERNATE SWITCHES ON?

\*CE RESPONSE NECESSARY.\*

ALTERNATE SWITCHES ON?

MDI=\$QUES

Y N

038

GO TO STEP 037,

ENTRY POINT D.

MDI=\$GOTO,TYPE=INTRNL,EP=D

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9  
J

MAP EA21-8



J  
8

FPMLC CONTROLLER

MAP EA21-9

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039

START CYCLE STEAL STATUS COMMAND

TEST UNIT EA12

RESULT=0?

MDI=\$TUXX,TEA12,2,0000,EQ

Y N

040

EXCHANGE THE CONTROLLER CARD

VERIFY THE REPAIR.

MDI=\$FIXT

041

TEST STATUS WORD 2 FOR 10101010

TEST WORD 2 FOR CORRECT INDICATOR  
PANEL STATUS

TEST UNIT EA31

RESULT= 0?

MDI=\$TUXX,TEA31,2,0000,EQ,PLNG=4,

PARM=00AA

Y N

042

GO TO MAP EA14, ENTRY POINT A.

MDI=\$GOTO,TYPE=XTRNL,MAP=EA14,

EP=A

043

(ENTRY POINT E)

ALL SWITCHES OFF

PLACE ALL SWITCHES OF THE  
COMMUNICATIONS INDICATOR PANEL TO  
00000000

\*CE RESPONSE NECESSARY.\*

ARE ALL SWITCHES OFF?

MDI=\$QUES

Y N

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

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1 1

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0 0

K L

MAP EA21-9

K L FPMLC CONTROLLER  
9 9

MAP EA21-10

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044

GO TO PAGE 9, STEP 043,  
ENTRY POINT E.  
MDI=\$GOTO,TYPE=INTRNL,EP=E

045

START CYCLE STEAL STATUS COMMAND

PREPARE TO CHECK INDICATOR PANEL  
SWITCHES

TEST UNIT EA12

RESULT=0?

MDI=\$TUXX,TEA12,2,0000,EQ

Y N

046

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

047

TEST STATUS WORD 2 FOR ALL  
00000000

TEST UNIT EA31

RESULT= 0?

MDI=\$TUXX,TEA31,2,0000,EQ,PLNG=4,

PARM=0000

Y N

TEST WORD 2 FOR CORRECT INDICATOR  
PANEL STATUS

048

GO TO MAP EA14, ENTRY POINT A.  
MDI=\$GOTO,TYPE=XTRNL,MAP=EA14,  
EP=A

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1  
1  
M

MAP EA21-10

M FPMLC CONTROLLER  
1  
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MAP EA21-11

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049  
CHECK THE COMMUNICATIONS  
CROSSOVER CABLE FOR  
CONTINUITY, SEE THE CHART

COMMUNICATION CROSSOVER CABLE PN  
1633096

TOP OF CONNECTOR

DEVICE ADDRESS 0-3	CONTROLLER CONNECTOR	DEVICE ADDRESS 4-7
A20	A20	A20
A19	A19	A19
A18	A18	A18
---	KEY	---
A16	A16	A16
A15	A15	A15
A14	A14	A14
A13	A13	A13
A12	A12	A12
A11	A11	A11
A10	A10	A10
A09	A09	A09
A08	A08	A08
A07	A07	---
A06	A06	---
A05	A05	---
A04	A04	---
---	A03	A06
---	A02	A05
---	A01	A04
---	B01	A07
B20	B20	B20
B19	B19	B19
B18	B18	B18
B17	B17	B17
B16	B16	B16
B15	B15	B15
B14	B14	B14
B13	B13	B13

(STEP 049 CONTINUES)

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MAP EA21-11

(STEP 049 CONTINUED)

B12	B12	B12
B11	B11	B11
B10	B10	B10
B09	B09	B09
B08	B08	B08
B07	B07	B07
B06	B06	B06
B05	B05	B05
B04	B04	B04
B03	B03	B06
KEY	-	KEY
-	B01	-

\*CE RESPONSE NECESSARY.\*  
 IS THE PIN CONTINUITY CORRECT??

MDI=\$QUES  
 Y N

| 050  
 | REPAIR/ EXCHANGE CABLE PN  
 | 1633096  
 | VERIFY THE REPAIR.  
 | MDI=\$FIXT

051  
 CHECK THE CONTROLLER TO ADAPTER  
 CARD CABLE FOR SHORTS BETWEEN  
 PINS

ENSURE NO SHORT CIRCUITS PRESENT  
 ON CARD (BENT PINS) OR CABLE

\*CE RESPONSE NECESSARY.\*  
 ALL PINS ISOLATED?

MDI=\$QUES  
 Y N

| 052  
 | REPAIR OR EXCHANGE INTERFACE  
 | CABLE.  
 | VERIFY THE REPAIR.  
 | MDI=\$FIXT

1  
 3  
 N

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N FPMLC CONTROLLER

MAP EA21-13

1

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|

|

053

END OF FPMLC CONTROLLER ONLY

MANUAL MAP

EXCHANGE ADAPTER CARD FOR FAILING

ADDRESSES

IF FAILURE REMAIN, EXCHANGE THE

CONTROLLER CARD.

VERIFY THE REPAIR.

MDI=⌘FIXT

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EC326765 PEC876895

MAP EA21-13