

FEAT #2095/2096

PAGE 1 OF 11

ENTRY POINTS

```

-----
FROM   | ENTER THIS MAP
-----+-----
MAP    | ENTRY  PAGE  STEP
NUMBER | POINT  NUMBER NUMBER
-----+-----
EA10   |  A    1    003
EA21   |  A    1    003

```

001
DO NOT LOAD THIS MAP. IT NEEDS
DATA PASSED FROM ANOTHER MAP.
LOAD MAP EA10.

CHECK FOR MANUAL LOAD

WAS THIS MAP LOADED BY ANOTHER
MAP?

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

Y N

|
| 002
| LOAD MAP EA10
| DO NOT LOAD THIS MAP. IT NEEDS
| DATA PASSED FROM ANOTHER MAP.
| LOAD MAP EA10.
| MDI=\$FIXT

003
(ENTRY POINT A)

CONNECT INTERRUPT POINTER WITH
DCP

RESULT=0?

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

Y N

| |
| |
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| |
| |

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2 2
A B

A B FPMLC INDICATOR PANEL

MAP EA14-2

1 1

FEAT #2095/2096

| |

PAGE 2 OF 11

| |

| |

| 004

| CONNECT INTERRUPT POINTER ERROR

| GO TO MAP 0070

| MDI=\$FIXT

|

005

DEVICE RESET

RESULT= 4?

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

Y N

|

| 006

| DEVICE RESET ERROR, EXCHANGE

| CONTROLLER CARD

| VERIFY THE REPAIR.

| MDI=\$FIXT

|

007

PREPARE TO LEVEL 0

RESULT= 0?

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

PARM=0001

Y N

|

| 008

| PREPARE LEVEL 0 ERROR, EXCHANGE

| CONTROLLER CARD

| VERIFY THE REPAIR.

| MDI=\$FIXT

|

009

(ENTRY POINT B)

DISCONNECT THE INDICATOR PANEL

FROM THE CARD AT THE CARD

CONNECTOR J2.

CE RESPONSE NECESSARY.

COMMUNICATIONS INDICATOR PANEL

DISCONNECTED?

MDI=\$QUES

Y N

| |

| |

| |

| |

| |

3 3

C D

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MAP EA14-2

C D
2 2

FPMLC INDICATOR PANEL

MAP EA14-3

FEAT #2095/2096

PAGE 3 OF 11

| |
| |
| |
| |
| 010

| GO TO PAGE 2, STEP 009,
| ENTRY POINT B.
| MDI=\$GOTO,TYPE=INTRNL,EP=B

011
START CYCLE STEAL STATUS COMMAND

PREPARE CHECK INDICATOR PANEL
SWITCHES

TEST UNIT EA21
RESULT=0?
MDI=\$TUXX,TEA21,2,0000,EQ
Y N

| 012
| EXCHANGE THE CONTROLLER CARD
| VERIFY THE REPAIR.
| MDI=\$FIXT

013
TEST STATUS WORD 2 FOR 00000000

TEST WORD 2 FOR CORRECT INDICATOR
PANEL STATUS

TEST UNIT EA31
RESULT= 0?
MDI=\$TUXX,TEA31,2,0000,EQ,PLNG=4,
PARM=0000
Y N

| 014
| EXCHANGE THE CONTROLLER CARD
| VERIFY THE REPAIR.
| MDI=\$FIXT

4
E

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MAP EA14-3

E
3

FPM'C INDICATOR PANEL

MAP EA14-4

FEAT #2095/2096

PAGE 4 OF 11

015

ON THE INDICATOR PANEL CABLE CONNECTOR, CHECK THE RESISTANCE OF THE PINS.

NOTE:

USE THE 1K OHM SCALE AND PLACE THE POSITIVE OHMS LEAD OF THE MULTIMETER ON PIN A03. THE RESISTANCE SHOULD BE NEAR THE SAME FOR ALL THE PINS BUT NOT OPEN CIRCUIT OR SHORT CIRCUIT

FROM	TO	LAMP UNDER TEST
A03	B12	0
A03	B11	2
A03	B10	4
A03	B09	6
A03	A12	1
A03	A11	3
A03	A10	5
A03	A09	7

CE RESPONSE NECESSARY.

ALL PINS GOOD?

MDI=\$QUES

Y N

016

EXCHANGE THE INDICATOR PANEL!

VERIFY THE REPAIR.

MDI=\$FIXT

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5
F

MAP EA14-4

F
4

FPMLC INDICATOR PANEL

MAP EA14-5

FEAT #2095/2096

PAGE 5 OF 11

017

ON THE CABLE CONNECTOR CHECK FOR THE CORRECT RESISTANCE VALUE BETWEEN THE PINS, SEE TABLE.

USE THE 1K OHMS SCALE AND PLACE THE NEGATIVE OHMS LEAD OF THE MULTIMETER ON PIN A03. THE RESISTANCE SHOULD BE OPEN CIRCUIT

FROM	TO	LAMP UNDER TEST
A03	B12	0
A03	B11	2
A03	B10	4
A03	B09	6
A03	A12	1
A03	A11	3
A03	A10	5
A03	A09	7

CE RESPONSE NECESSARY.

ALL THE PINS GOOD?

MDI=\$QUES

Y N

018

EXCHANGE THE INDICATOR PANEL!

VERIFY THE REPAIR.

MDI=\$FIXT

019

ON THE CABLE CONNECTOR CHECK FOR CONTINUITY BETWEEN THE PINS SEE TABLE.

ENSURE ALL THE SWITCHES ARE TO THE UP POSITION AND PLACE TO THE DOWN POSITION ONLY THE SWITCH TO BE TESTED. WHEN TESTED RETURN THE SWITCH TO THE UP POSITION AND CONTINUE TESTING THE OTHER SWITCHES.

SWITCH	FROM	TO
LINE SELECT 1	A03	A04
LINE SELECT 2	A03	B04
LINE SELECT 4	A03	A05
DISPLAY/FUNCTION 1	A03	B05
DISPLAY/FUNCTION 2	A03	A06
DISPLAY/FUNCTION 4	A03	B06
DISPLAY/FUNCTION 8	A03	A07
DISPLAY/FUNCTION 16	A03	B07

CE RESPONSE NECESSARY.

ALL THE PINS GOOD?

MDI=\$QUES

Y N

| |
| |
| |
| |
| |

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6 6
G H

MAP EA14-5

G H
5 5

FPMLC INDICATOR PANEL

MAP EA14-6

FEAT #2095/2096

PAGE 6 OF 11

020

EXCHANGE THE INDICATOR PANEL
VERIFY THE REPAIR.
MDI=\$FIXT

021

ON THE CABLE CONNECTOR CHECK FOR
AN OPEN CIRCUIT BETWEEN THE PINS
PER THE TABLE.

ENSURE ALL THE SWITCHES ARE TO
THE DOWN POSITION AND PLACE TO
THE UP POSITION ONLY THE SWITCH
TO BE TESTED. WHEN TESTED RETURN
THE SWITCH TO THE DOWN POSITION
AND CONTINUE TESTING THE OTHER
SWITCHES.

SWITCH	FROM	TO
LINE SELECT 1	A03	A04
LINE SELECT 2	A03	B04
LINE SELECT 4	A03	A05
DISPLAY/FUNCTION 1	A03	B05
DISPLAY/FUNCTION 2	A03	A06
DISPLAY/FUNCTION 4	A03	B06
DISPLAY/FUNCTION 8	A03	A07
DISPLAY/FUNCTION 16	A03	B07

CE RESPONSE NECESSARY.

ALL THE PINS GOOD?

MDI=\$QUES

Y N

022

EXCHANGE THE INDICATOR PANEL!
VERIFY THE REPAIR.
MDI=\$FIXT

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7
J

MAP EA14-6

J
6

FPMLC INDICATOR PANEL

MAP EA14-7

FEAT #2095/2096

PAGE 7 OF 11

023

ON THE CABLE CONNECTOR CHECK FOR CONTINUITY BETWEEN THE PINS, SEE TABLE.

ENSURE ALL THE SWITCHES ARE TO THE DOWN POSITION AND PLACE TO THE UP POSITION ONLY THE SWITCH TO BE TESTED. WHEN TESTED RETURN THE SWITCH TO THE DOWN POSITION AND CONTINUE TESTING THE OTHER SWITCHES.

CE RESPONSE NECESSARY.

ALL THE PINS GOOD?

MDI=\$QUES

Y N

024

EXCHANGE THE INDICATOR PANEL!

VERIFY THE REPAIR.

MDI=\$FIXT

025

ON THE CABLE CONNECTOR CHECK FOR AN OPEN CIRCUIT BETWEEN THE PINS, SEE TABLE.

ENSURE ALL THE SWITCHES ARE TO THE UP POSITION AND PLACE TO THE DOWN POSITION ONLY THE SWITCH TO BE TESTED. WHEN TESTED RETURN THE SWITCH TO THE UP POSITION AND CONTINUE TESTING THE OTHER SWITCHES.

CE RESPONSE NECESSARY.

ALL THE PINS GOOD?

MDI=\$QUES

Y N

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

8 8
K L

SWITCH	FROM	TO
LINE SELECT 1	B01	A04
LINE SELECT 2	B01	B04
LINE SELECT 4	B01	A05
DISPLAY/FUNCTION 1	B01	B05
DISPLAY/FUNCTION 2	B01	A06
DISPLAY/FUNCTION 4	B01	B06
DISPLAY/FUNCTION 8	B01	A07
DISPLAY/FUNCTION 16	B01	B07

SWITCH	FROM	TO
LINE SELECT 1	B01	A04
LINE SELECT 2	B01	B04
LINE SELECT 4	B01	A05
DISPLAY/FUNCTION 1	B01	B05
DISPLAY/FUNCTION 2	B01	A06
DISPLAY/FUNCTION 4	B01	B06
DISPLAY/FUNCTION 8	B01	A07
DISPLAY/FUNCTION 16	B01	B07

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MAP EA14-7

K L FPMLC INDICATOR PANEL
7 7

MAP EA14-8

FEAT #2095/2096

PAGE 8 OF 11

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|
| 026
| EXCHANGE THE INDICATOR PANEL.
| VERIFY THE REPAIR.
| MDI=\$FIXT

|
027
(ENTRY POINT C)
RECONNECT THE INDICATOR PANEL TO
THE CARD AT CONNECTOR J2

PLACE ALL THE SWITCHES TO THE OFF
POSITION

CE RESPONSE NECESSARY.
INDICATOR PANEL RECONNECTED AND
SWITCHES OFF?

MDI=\$QUES

Y N

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

029
START CYCLE STEAL STATUS COMMAND

PREPARE CHECK INDICATOR PANEL
SWITCHES

TEST UNIT EA21
RESULT=0?
MDI=\$TUXX,TEA21,2,0000,EQ

Y N

| 030
| EXCHANGE THE CONTROLLER CARD
| VERIFY THE REPAIR.
| MDI=\$FIXT

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9
M

MAP EA14-8

M FPMLC INDICATOR PANEL
8

MAP EA14-9

FEAT #2095/2096

PAGE 9 OF 11

031

TEST STATUS WORD 2 FOR 00000000

TEST WORD 2 FOR CORRECT INDICATOR
PANEL STATUS

TEST UNIT EA31

RESULT= 0?

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

Y N

032

EXCHANGE THE COMMUNICATIONS
INDICATOR PANEL
VERIFY THE REPAIR.

MDI=\$FIXT

033

(ENTRY POINT D)

PLACE ALL THE SWITCHES TO THE ON
POSITION

CE RESPONSE NECESSARY.

ALL SWITCHES ON?

MDI=\$QUES

Y N

034

GO TO STEP 033,
ENTRY POINT D.

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

035

START CYCLE STEAL STATUS COMMAND

PREPARE CHECK INDICATOR PANEL
SWITCHES

TEST UNIT EA21

RESULT=0?

MDI=\$TUXX,TEA21,2,0000,EQ

Y N

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|

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1 1
0 0
N P

MAP EA14-9

N P FPMLC INDICATOR PANEL
9 9

MAP EA14-10

FEAT #2095/2096

PAGE 10 OF 11

|
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|
|
| 036
| EXCHANGE THE CONTROLLER CARD
| VERIFY THE REPAIR.
| MDI=\$FIXT

037
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

|
| 038
| EXCHANGE THE COMMUNICATIONS
| INDICATOR PANEL
| VERIFY THE REPAIR.
| MDI=\$FIXT

039
(ENTRY POINT E)
PLACE THE SWITCHES TO 10101010.

CE RESPONSE NECESSARY.
SWITCHES TO 10101010
MDI=\$QUES

Y N

| 040
|
| GO TO STEP 039,
| ENTRY POINT E.
| MDI=\$GOTO,TYPE=INTRNL,EP=E

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1
1
Q

MAP EA14-10

Q FPMLC INDICATOR PANEL

MAP EA14-11

1
0

FEAT #2095/2096

| PAGE 11 OF 11
|
|

041
START CYCLE STEAL STATUS COMMAND

PREPARE CHECK INDICATOR PANEL
SWITCHES

TEST UNIT EA21
RESULT=0?
MDI=\$TUXX,TEA21,2,0000,EQ
Y N

| 042
| EXCHANGE THE CONTROLLER CARD
| VERIFY THE REPAIR.
| MDI=\$FIXT
|

043
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

| 044
| EXCHANGE THE COMMUNICATIONS
| INDICATOR PANEL
| VERIFY THE REPAIR.
| MDI=\$FIXT
|

045
NO FAILURE FOUND, SUSPECT RESEAT
PROBLEM
MDI=\$FIXT

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MAP EA14-11