



## Field Feature Bill of Material (FFBM)

**PN 80G2807**

### **Replace TRP Processor (FC 5600) with TRP2 (FC 5622) in IBM 3746 Models 9X0**

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3746	PN 80G2808	EC D55787	EC E63480			
FFBM	1 of 10	06SEP94	19AUG96			



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## Before Installation (Steps 1-8)

### Net Priced Feature

All parts removed from this machine are IBM property and must be returned to IBM.

## 1.0 Machines Affected

3746 Models 900 or 950.

## 2.0 Related BMs and ECs

### 2.1 Prerequisites

(Must be installed prior to this installation)

- EC microcode D22510K minimum level or higher.

**Checkpoint:** Check that the basic level packaging unit EC level is D22512-062 or higher (Refer to SPIM, Chapter 3, 'Displaying the EC Level of Code Installed on the Hard Disk').

### 2.2 Concurrent

(Must be installed together)

None.

### 2.3 Companion

(May be installed separately)

None.

## 3.0 BMs to be Used

FFBM	Title
80G2807	Replace TRP Processor (FC 5600) with TRP2 (FC 5622)

## 4.0 Preparation

- See the *HONE configuration/plugging sheet* and the following figures to determine the cassette positions.

Q	P	M	K	H	F	D	B
Dummy	TRP / ESCP / CLP	TRP / ESCP / CLP	TRP / ESCP / CLP	TRP / ESCP / CLP	CBSP	SPS	CSCE

Figure 1. Basic Enclosure

Q	P	M	K	H	F	D	B
Dummy	TRP / ESCP / CLP	TRP / ESCP / CLP	TRP / ESCP / CLP	TRP / ESCP / CLP	TRP / ESCP / CLP	TRP / ESCP / CLP	CSCE

Figure 2. 1st or 2nd Expansion Enclosure.

- Familiarize yourself with the purpose and details of the installation instruction before negotiating machine time with the customer.
- Check all items listed on the BM(s) to determine that all parts have been received.

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## 5.0 Programming

### 5.1 Diagnostic Programs

None.

## 6.0 Purpose and Description

### 6.1 Purpose

Convert TRP (FC 5600) to TRP2 (FC 5622)

### 6.2 Description

Exchange of a cassette processor.

## 7.0 Installation Time

FFBM	Machine Hours	System Hours	Nbr. CE
80G2807	0.5	0.0	1

## 8.0 Tools/Materials Required

ESD kit (PN 6428316).

## Installation (Steps 9-11)

### 9.0 Safety

Review the **Safety Notices** and the **Safety Inspection Procedures** located at the beginning of the *IBM 3745 Communication Controller All Models, IBM 3746 Expansion Unit Model 900, IBM 3746 Nways Multinetwork Controller Model 950 Safety Information*, GA33-0400

### 10.0 Details of the Installation

Before the exchange, ask the customer:

- \_\_\_ 1. For the maintenance password.
- \_\_\_ 2. To logoff the Service Processor (SP), if not already done.

#### 10.1 3746-9x0 Power Mode

If the 3746-9x0 is in Power Mode 1 (remote):

- \_\_\_ Set the **Power Control** indicator of the 3746-9x0 control panel to **3** (local), then Press the **Validate** key.

#### 10.2 Log the SP ON

- \_\_\_ 1. On **MOSS-E View** window, click on **Program**.
- \_\_\_ 2. Click on **LOG ON MOSS-E**.
- \_\_\_ 3. Enter the maintenance password, press **Enter**.

#### 10.3 Processor Cassette Exchange

- \_\_\_ 1. Double click on the 3746-9x0 icon.
- \_\_\_ 2. On **3746-9x0 Menu** window, click on **Problem Management** option..
- \_\_\_ 3. Double click on **Perform Maintenance** option.
- \_\_\_ 4. On the **Resource Options Selection for maintenance** window, Click on **Via the Active CDF-E** option, then click on **OK**.
- \_\_\_ 5. On the **Resource Selector** window, select (click on) the TRP you want to replace.
- \_\_\_ 6. Once the resource is set to concurrent mode, the **Maintenance Options** window is displayed.
- \_\_\_ 7. Click on **Replace the Resource** option, then click on **OK**.
- \_\_\_ 8. On **Confirmation** window, click on **OK**.



- \_\_\_ 9. On the 3746-9x0 machine, open the front cover.
- \_\_\_ 10. Exchange the TRP cassette by the TRP2.

**Warning**

Use the ESD kit and procedures.

- \_\_\_ a. Locate the TRP cassette to be removed.
- \_\_\_ b. If there is a cable plug in the front of the cassette:
  - Remove the bracket.
  - Unplug the cable.
- \_\_\_ c. Remove the TRP cassette (Follow the instruction label affix close to the enclosure).
- \_\_\_ d. Insert the TRP2 cassette into the enclosure and slide it firmly until it clicks (Locks in).
- \_\_\_ e. If there was a cable in front of the TRP, plug it on the TRP2 and secure it with the bracket previously removed.
- \_\_\_ 11. Wait until the **Alarm xxxx FRU Unplugged**, and **Alarm xxxx FRU Plugged** messages are displayed on the Service Processor screen, then continue.
- \_\_\_ 12. On the **Confirmation** window, click on **OK**.
- \_\_\_ 13. Return to the **Maintenance Options** window.
- \_\_\_ 14. Click on **Perform Diagnostics on the resource** option, then click on **OK**.
- \_\_\_ 15. A **Diagnostics** window is displayed. Check that the **Specific adapter** and **No wrap** options are selected, then click on **Start**.
- \_\_\_ 16. A **Specific Adapter** window is displayed, select (click on) the TRP2 just installed, then click on **OK**
- \_\_\_ 17. The **Diagnostics** window is displayed again and the **Elapsed time** is incremented during the test.

At the end of the test, the number of errors is indicated by an arrow.

- \_\_\_ a. If there is an error: Call support for assistance
- \_\_\_ b. Otherwise, click on **Cancel** to return to the **Maintenance Options** window, then continue on next step.
- \_\_\_ 18. Click on **Initialize the Resource** option to reinitialize the TRP2.
- \_\_\_ 19. follow the instruction of the **Warning** window, then click on **OK** when prompted.
- \_\_\_ 20. The **Maintenance Options** window is displayed
- \_\_\_ 21. Click on **Remove the Resource from the Concurrent Mode** option, then click on **OK**
- \_\_\_ 22. On the **Warning** window, click on **OK**
- \_\_\_ 23. On the **Resource Selector** window, click on **Cancel**

- \_\_\_ 24. Return to the **3746-9x0 Menu** window

## 10.4 EEPROM Upgrade

- \_\_\_ 1. On the **3746-9x0 Menu** window click on **Change Management**.
- \_\_\_ 2. Double click on the **Upgrade/Downgrade EEPROM Code Level**.  
A window is displayed with a message box saying that the service processor is searching the 3746-9x0 configuration.  
On **EEPROM Upgrade** window, the processors subject to upgrade or downgrade are **highlighted** according to the preselected status of the options "Upgrade" or "Downgrade" on the top of the window (see Figure 3).

☐ Upgrade    ☐ Downgrade

Processor	EEPROM level: PN - EC - MCL	Upgrade Status
CBSP 2048 Available	Current: 43G3435 - D21455 - 002 New : 43G3435 - D22455 - 008	
TRP 2112 Disconnected	Current: 43G3425 - D22455 - 007 New : 43G3425 - D22455 - 008	
TRP 2170 Available	Current: 43G3435 - D22455 - 001 New : 43G3435 - D22455 - 008	
TRP 2304 Active	Current: 43G3425 - D22455 - 037 New : 43G3425 - D22455 - 008	

**1**
**2**
**3**

Figure 3. Example of An EEPROM Upgrade Window

- 1** Gives the list of the 3746-9x0 processors in CDF-E with their status (available/disconnected/active).
- 2** Gives the current and new EEPROM level: PN/EC/Level of each processor.
- 3** Gives the status after the activation of the function.
- \_\_\_ 3. According to the action that you want to do, click on **"Upgrade"** or **"Downgrade"** option on the top of the screen, then click on **OK**.  
An "EEPROM Upgrade" window informs you that the EEPROM upgrade or downgrade is in progress with its time duration.  
At the end, a status is displayed for each processor.
- \_\_\_ 4. Check the result of your EEPROM upgrade/downgrade operation with the following table and take the appropriate action:

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EEPROM Status	Action
Complete	Upgrade done without error continue with the next step.
Start failed	Call your support
Failed	Call your support
Completion failed	Call your support

- \_\_\_ 5. Return to the **3746-9x0 Menu**, then click on **Operation Management**.
- \_\_\_ 6. Double click on the **Perform General IML with Diagnostics**.  
A Normal IML must be terminated by 00000000 displayed on the 3746-9x0 control panel.

## 10.5 3746-9x0 Power Mode

- \_\_\_ On the 3746-9x0 control panel, set the **Power Control** indicator to its original value.  
Press the **Validate** key.

## 10.6 Log the SP OFF

- \_\_\_ 1. On the **3746-9x0 Menu** window, click on **Function**, then, click on **Exit**.
- \_\_\_ 2. On the **MOSS-E View** window, click on **Program**.
- \_\_\_ 3. Click on **LOG OFF MOSS-E**.

## 11.0 Test Procedures

No Test Required.





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## After Installation (steps 12-15)

### 12.0 Field Updating

None.

### 13.0 Publications Update

None.

### 14.0 Parts Disposition

All replaced/removed parts become the property of IBM. You **MUST RETURN** these parts following the instructions given on the Returned Material Equipment Report (RMER) provided with this FFBM.

### 15.0 Machine Records

- Record in the **MACHINE HISTORY** the new EC D55787 installed.
- Report installation and quality to existing procedures.

\*\*\* End of instructions \*\*\*

