1

# Field Feature Bill of Material (FFBM)

# PN 59G0462

# Install ESCP2 Processor (FC 5522) in IBM 3746 Models 9X0

| | |
|---|---|
| Written by: | J. Michaut |
| Checked by: | J. Combes |
| Approved by: | A. Badino |
| Reviewed by: | B. Smith |

| 3746 | PN 59G0462 | EC D55787 | EC E63480 | | | |
|---|---|---|---|---|---|---|
| FFBM | 1 of 10 | 06SEP94 | 19AUG96 | | | |

© Copyright IBM Corp. 1996

**1**

| 3746 | PN 59G0462 | EC D55787 | EC E63480 | | | |
|------|------------|-----------|-----------|---|---|---|
| FFBM | 2 of 10 | 06SEP94 | 19AUG96 | | | |

2

# Before Installation (Steps 1-8)

# 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 **CSS 1** EC level is D22510-061 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 Installed

| FFBM | Title |
|---|---|
| **59G0458** | Installation of an ESCP2 processor (FC 5522) |

# 4.0 Preparation

1. 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.

2. Familiarize yourself with the purpose and details of the installation instruction before negotiating machine time with the customer.

3. Check all items listed on the BM(s) to determine that all the parts have been received.

| 3746 | PN 59G0462 | EC D55787 | EC E63480 | | | |
|---|---|---|---|---|---|---|
| FFBM | 3 of 10 | 06SEP94 | 19AUG96 | | | |

# 5.0  Programming

## 5.1  Diagnostic Programs

None.

# 6.0  Purpose and Description

## 6.1  Purpose

Installation of a new feature.

## 6.2  Description

Installation of a cassette and reconfiguration of the machine.

# 7.0  Installation Time

| FFBM Installed | Machine Hours | System Hours | Nbr. CE |
|---|---|---|---|
| 59G0458 | 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 Installation

Before the installation, ask the customer:

___  • For the maintenance password.

___  • 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).  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 Installation

___  1. Double click on the 3746-9x0 icon.

___  2. On **3746-9x0 Menu** window, click on **Configuration Management**.

___  3. Double click on **Add/Retrieve Resources in Concurrent Mode**.

___  4. When **Confirmation** screen is displayed, remove the dummy cassette and plug the processor cassette following the instructions on the label fitted to the frame.

___  5. **Wait** for alarm 0052 or 0572 as instructed on the confirmation window, verify the displayed positions of the processor cassette.  Click on **OK**.

___  6. On confirmation screen, click on **OK**.

___  7. On **Resource Selector** window, click on the resource you want to add, click on **OK**.

___  8. On **Add/Retrieve Resource Options** window, click on **OK**.

___  9. On **Diagnostics** window, click on **Start**.

| 3746 | PN 59G0462 | EC D55787 | EC E63480 | | | |
|------|-----------|-----------|-----------|---|---|---|
| FFBM | 5 of 10 | 06SEP94 | 19AUG96 | | | |

___ 10. On **Specific Adapter** window, select adapter, click on **OK**.
Diagnostics start and takes between 3 and 5 minutes to run.

___ 11. On **Diagnostics** window, check that no errors are logged, click on
**Cancel**.  If an alarm is displayed, see the *MIP*, Chapter 1, and follow the
appropriate procedure.

___ 12. On **Add/Retrieve Resource Options** window, click on **Initialize the
resource**, click on **OK**.
**Wait** for request is complete warning screen to appear, click on **OK**.

___ 13. **Wait** for alarm IML COMPLETE, click on **OK**.

___ 14. Click on **Remove the resource from the concurrent mode**, click on **OK**.

___ 15. On the Warning window, click on **OK**.
**Wait** for alarm 0657 concurrent mode, click on **OK**.

___ 16. If a **Confirmation** window is displayed, click on **Cancel**.
If the **Resource Selector** window is displayed, click on **Cancel**.  Then, on
**Confirmation** window, click on **OK**.

---

**Important Note**

According to the level of microcode the following pop up screen **Active
CDF-E has been successfully saved as reference CDF-E** may not be dis-
played (within 1 minute).  Click on **OK** if displayed.

---

## 10.4  Save CDF-E on Diskette

___ 1. Double click on the SP icon.

___ 2. On **Service Processor Menu** window, click on **Configuration
Management**.

___ 3. Double click on **Manage 3745/3746-9x0 Installation**.

___ 4. On **Controller Installation** window, select the machine you are
installing/removing the cassette.

___ 5. Click on **Save**.

___ 6. When requested, insert the *Installation Parameters Diskette* in the
diskette drive of the SP.

___ 7. When the **Warning** window is displayed, remove the diskette and click
on **OK**.

___ 8. On **Controller Installation** window, click on **Cancel**.

## 10.5  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.

| 3746 | PN 59G0462 | EC  D55787 | EC  E63480 | | | |
|------|-----------|-----------|-----------|---|---|---|
| FFBM | 6 of 10 | 06SEP94 | 19AUG96 | | | |

**6**

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 on page 7).
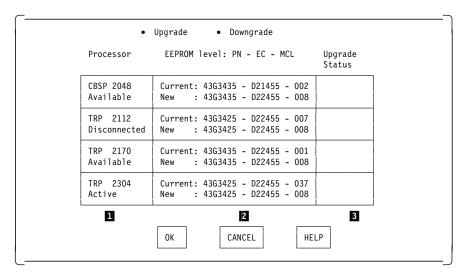
```
                    • Upgrade       • Downgrade

         Processor        EEPROM level: PN - EC - MCL      Upgrade
                                                           Status

         CBSP 2048     Current: 43G3435 - D21455 - 002
         Available     New    : 43G3435 - D22455 - 008

         TRP  2112     Current: 43G3425 - D22455 - 007
         Disconnected  New    : 43G3425 - D22455 - 008

         TRP  2170     Current: 43G3435 - D22455 - 001
         Available     New    : 43G3435 - D22455 - 008

         TRP  2304     Current: 43G3425 - D22455 - 037
         Active        New    : 43G3425 - D22455 - 008

             1                        2                   3

              OK          CANCEL          HELP
```

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:

| 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.

| 3746 | PN 59G0462 | EC D55787 | EC E63480 | | | |
| --- | --- | --- | --- | --- | --- | --- |
| FFBM | 7 of 10 | 06SEP94 | 19AUG96 | | | |

**7**

## 10.6  3746-9x0 Power Mode

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

## 10.7  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.

| 3746 | PN 59G0462 | EC D55787 | EC E63480 | | | |
|------|------------|-----------|-----------|--|--|--|
| FFBM | 8 of 10 | 06SEP94 | 19AUG96 | | | |

---

# After Installation (steps 12-15)

## 12.0 Field Updating

None.

## 13.0 Publications Update

None.

## 14.0 Parts Disposition

### 14.1 Purchased Machines

Refer to the parts ownership matrix to determine the correct owner of removed/unused parts.

- For EMEA/APG/AG Areas, refer to *Hardware and General Service Code Description*.
- For Domestic Areas, return parts to the customer.

## 15.0 Machine Records

- Install the new **MACHINE HISTORY** supplied.
- Report installation and quality to existing procedures.

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

| 3746 | PN 59G0462 | EC D55787 | EC E63480 | | | |
|------|-----------|-----------|-----------|--|--|--|
| FFBM | 9 of 10 | 06SEP94 | 19AUG96 | | | |

**9**

| 3746 | PN 59G0462 | EC D55787 | EC E63480 | | | |
|------|------------|-----------|-----------|---|---|---|
| FFBM | 10 of 10 | 06SEP94 | 19AUG96 | | | |