Field Feature Bill of Material (FFBM)

PN 58G7668

INSTALLATION of a CLP Processor (FC 5200) in IBM 3746 Model 9x0

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Before Installation (Steps 1-8)

1.0 Machines Affected

3746 Model 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
58G5292	Installation of a CLP Processor (FC 5200)

4.0 Preparation

__ 1. See the *HONE configuration sheet/ 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 these installation instructions before negotiating machine time with the customer.

__ 3. Check all the items and count the parts listed on the BM to be installed to determine whether all the parts were received.

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
58G7668	0.5	0.0	1

8.0 Tools/Materials Required

ESD kit (PN 6428316).

Installation (Steps 9-12)

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**.

__ 10. On **Specific Adapter** window, select adapter, click on **OK**.
Diagnostics start and takes up to 8 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**.

__ 17. Double click on **Save Active CDF-E as Reference CDF-E**.

__ 18. When the save is finished, click on **OK**

__ 19. On the **3746-9x0 Menu** window click on **Configuration Management**.

__ 20. Double click on **Define Backup CLP**.

__ 21. The following "CLP Backup" window is displayed. Verify that the new CLP shows up.
The new CLP will most likely show up as being in Fallback mode with all LIC's showing up on the old CLP.
Select the primary processor using the arrow up or down key, then click on **Switchback** button. Then, **Save** and **Exit**.

CLP Backup

Select a processor:

Processor Type	Primary Processor	Backup Processor	Automatic Fallback	Fallback State	Switchback Requested	
CLP	2112	2176	no	no	no	1
CLP	2176	2112	no	yes	no	2
CLP	2240		no	no	no	3
CLP	2304		no	no	no	3

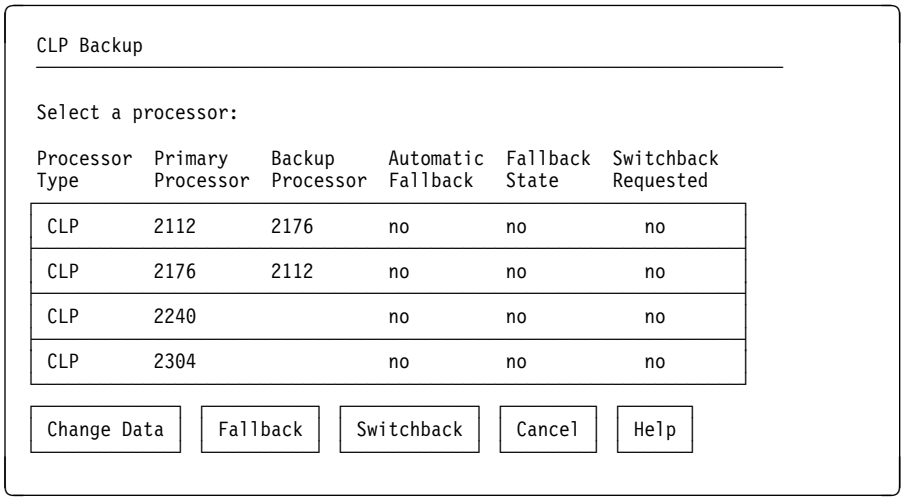
Change Data | Fallback | Switchback | Cancel | Help

Note:

1 and **2** These lines indicates that the CLP line addresses ranges from 2112 and from 2176 can be backup for each other.
2 This line with a "yes" in the fallback state column indicates that the primary processor (2176) is controlling the LICs of the backup processor (2112).
3 These lines indicate that the CLPs have no backup.

__ 22. Double click on **Define Backup CLP**.
Verify that both CLP's now show as **Fallback=NO** and **Switchback Request=NO**.

- If so, the LIC's should now be properly split between the two CLP's. **Go to 10.4, "Saving CDF-E on Diskette"** .
- If the Switchback doesn't take, try selectivly IMling both CLP's.
- If the selective IML does not work, contact the RMSC and we will pull Engineering data to try to determine why the Switchback is not working


CLP Backup

Select a processor:

Processor Type	Primary Processor	Backup Processor	Automatic Fallback	Fallback State	Switchback Requested
CLP	2112	2176	no	no	no
CLP	2176	2112	no	no	no
CLP	2240		no	no	no
CLP	2304		no	no	no

Change Data | Fallback | Switchback | Cancel | Help

10.4 Saving 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.
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).

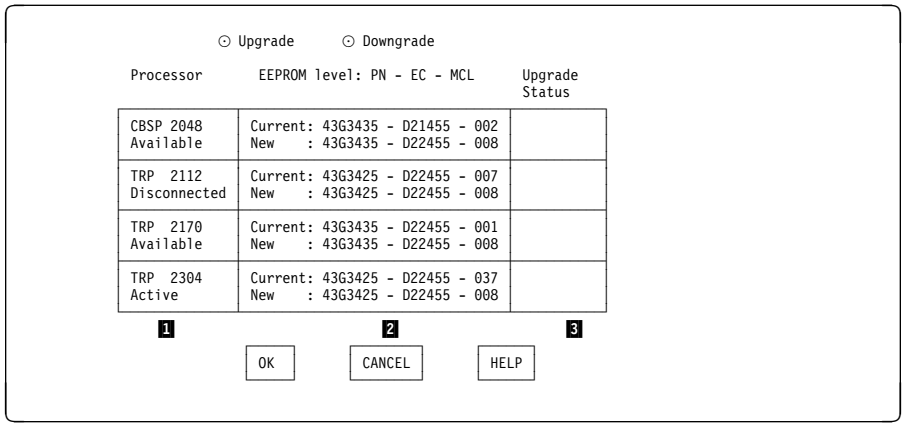


Figure 3. Example of An EEPROM Upgrade Window

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.

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

None.

12.0 Field Updating

None.

After Installation (steps 13-15)

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 *****