

Field Feature Bill of Material (FFBM)

PN 58G7675

Install ESCC Coupler (FC 5501) or ESCC2 Coupler (FC 5502) in IBM 3746 Models 900

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Before Installation (Steps 1-8)

1.0 Machines Affected

3746 Models 900.

2.0 Related BMs and ECs

2.1 Prerequisites

(Must be installed prior to this installation)
For ESCC2:

- EC microcode D22482.
- EC documentation C38776.
Checkpoint: EC level on PRD sheet (vol 1).

3.0 BMs to be Installed

- 58G7675 - Installation Instructions
- FFBM 09G2976, installation of an ESCC coupler (FC 5501),

or

FFBM 58G6830, installation of an ESCC2 coupler (FC 5502)

3.1 As Required BMs

- 09G2978 - External cable (for EMEA)
- 09G2979 - EPO cable
- 09G2980 - Wrap block.

4.0 Preparation

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

Basic Enclosure Rear View

DUMMY	TIC3/LIC	TIC3/ESCC/LIC	TIC3/LIC	TIC3/ESCC/LIC	TIC3/LIC	TIC3/ESCC/LIC	TIC3/LIC	CBC/TIC3/ESCC/LIC	TIC3	CBC	DUMMY	SPD1
DUMMY	TRP/ESCP/CLP	TRP/ESCP/CLP	TRP/ESCP/CLP	TRP/ESCP/CLP	TRP/ESCP/CLP	TRP/ESCP/CLP	TRP/ESCP/CLP	CBS	SPS	CSC		

Front View

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Expansion Enclosure Rear View

DUMMY	TIC3/LIC	TIC3/ESCC/LIC	TIC3/LIC	TIC3/ESCC/LIC	TIC3/LIC	TIC3/ESCC/LIC	TIC3/LIC	TIC3/ESCC/LIC	TIC3/LIC	TIC3/ESCC/LIC	TIC3/LIC	TIC3/ESCC/LIC	SPD2
DUMMY	TRP/ESCP/CLP	TRP/ESCP/CLP	TRP/ESCP/CLP	TRP/ESCP/CLP	TRP/ESCP/CLP	TRP/ESCP/CLP	TRP/ESCP/CLP	TRP/ESCP/CLP	TRP/ESCP/CLP	TRP/ESCP/CLP	TRP/ESCP/CLP	TRP/ESCP/CLP	CSCCE

Front View

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 parts have been 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
09G2976 or 58G6830	0.5	0.0

8.0 Tools/Materials Required

ESD kit (PN 6428316).

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Installation (Steps 9-11)

9.0 Safety

Review the **Safety Notices** and the **Safety Inspection Procedures** located at the beginning of the *3745 Maintenance Information Procedure (MIP)* manual, SY33-2054.

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 3746-900 Power Mode

___ Check that the **Power Control** display is set to local (3) on the control panel.
If not, do the following:

- Press the **Power Control** key until (3) is displayed in the Power Control window.
- 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**.

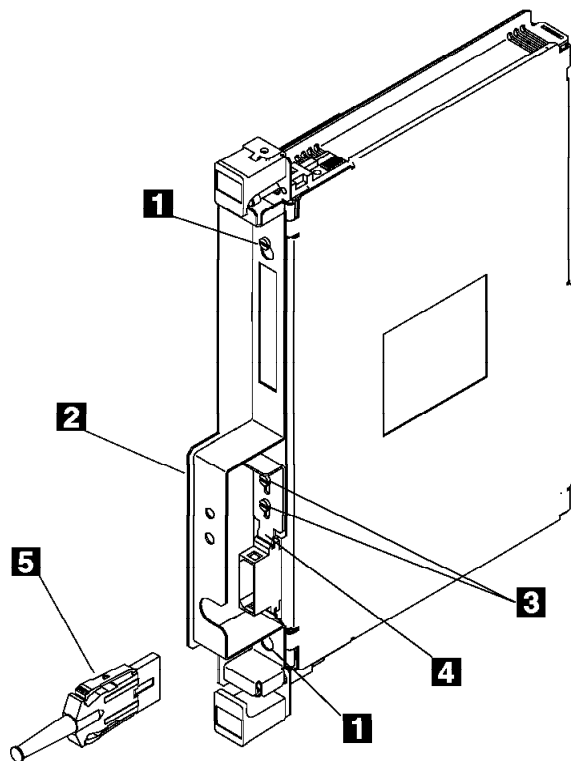
10.3 ESCC/ESCC2 Cassette Installation

- ___ 1. On the **MOSS-E View** window, Double click on the 3746-900 on which you want to work.
- ___ 2. The **3746-900 Menu** window is displayed.
- ___ 3. Click on **Configuration Management**.

- ___ 4. Click on **Display/Update Active Configuration (CDF-E)**.
- ___ 5. Verify that the ESCP is available for the position of the coupler you are installing.
- ___ 6. Click on **Cancel**.
- ___ 7. Double click on **Replace resources in concurrent mode**
- ___ 8. The **Replace resource options - Resource Selector** window is displayed.
- ___ 9. Click on the **ESCP** you want to install the ESCC on, then
- ___ 10. Click on **OK**
- ___ 11. The **Resource Selector** window is displayed.
- ___ 12. Click on the **ESCP** you want to install the ESCC on, then
- ___ 13. Click on **OK**
- ___ 14. A **Warning** window appears.
- ___ 15. Wait for alarm **0651**.
- ___ 16. When alarm **0651** is displayed, click on **OK**.
- ___ 17. The **warning** window is displayed.
Go to next step to install the coupler.
 - ___ a. Locate the position to plug the coupler according to the instructions on the label fitted to the frame.
 - ___ b. Remove the dummy coupler.
 - ___ c. Insert the ESCC or ESCC2 into the enclosure and slide it firmly until it clicks (Lock in).
 - ___ d. Connect the ESCA cable:
 - Loosen the two screws **1**.
 - Remove the bracket **2**.
 - Loosen the two screws **3**.
 - Slide the bracket **4** upwards.
 - Remove the protection of the light
 - Plug the optical fiber ESCA cable **5** into the cassette.
 - Slide the bracket **4** downwards.
 - Loosen the two screws **3**.
 - Reinstall the bracket **2**.



- Fasten the two screws **1**.



On the **Warning** window:

- ___ 18. Wait for alarm **0052 or 0572** as instructed on the **Confirmation** window, verify the displayed positions of the coupler cassette. Click on **OK**.

Note: Alarm 0052 or 0572 may be replaced by an error alarm, this error alarm must be ignored, click on **OK**.

- ___ 19. The **Warning** window for concurrent mode is displayed.
- ___ 20. Click **OK**
- ___ 21. Click on **Perform Diagnostics for the Resource** and click on **OK**.
- ___ 22. The **Diagnostic** window is displayed.
- ___ 23. Click on **Start**
- ___ 24. Click on **OK** on the **Select Adapter** window (test time: about 3 minutes).
- ___ 25. On **Diagnostic** window, check that no errors are logged and click on **Cancel**. If any error, refer to the *MIP*, SY33-2054.

- ___ 26. The **Replace Resource Options** window is displayed.
- ___ 27. Click on **Initialize the resource** and click on **OK**.
- ___ 28. Wait for the **Request is complete** warning screen: click on **OK**.
- ___ 29. When the alarm 063C IML Completed appears, click on **OK**.
- ___ 30. The **Replace Resource Options** window is displayed.
- ___ 31. Click on **Remove the Resource from concurrent mode** and click on **OK**.
- ___ 32. A the **warning** window (resource removed from concurrent maintenance and ready operation) appears.
- ___ 33. Click on **OK**.
- ___ 34. When the alarm 0657 appears, Click on **OK**.
- ___ 35. On **Replace Resource Options** selector, click on **Cancel**.
- ___ 36. Double click on **Manage ESCON Processors**.
- ___ 37. On the **ESCP Management Resource Selector** window select the desired ESCP, then click on **OK**.
- ___ 38. The **ESCON Configuration - Lines** window is displayed.
- ___ 39. Click on **Options**(in the action bar), then click on **Manage ESCC Status**.
- ___ 40. On the **ESCC Status Management** window, (for the ESCC present: YES), click on **Enable**.
- ___ 41. Click on **Options** (in the action bar), then click on **Send Request and Save**.
- ___ 42. A **Confirmation** window is displayed, click on **OK**.
- ___ 43. A **Warning** window informs you that the ESCP configuration is saved, click on **OK**.
- ___ 44. Click on **Options** (in the action bar), then click on **Return**.
- ___ 45. The **ESCON Configuration - Lines** window is displayed.

- ___ 46. Click on **Options** (in the action bar), then click on **Exit**.
- ___ 47. On the **ESCP Management Resource Selector** window, click on **Cancel**.
- ___ 48. The **3746-900 Menu** window is displayed.

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 displayed (within 1 minute).

- If displayed, Click on **OK** then go to 10.4, "Save CDF-E on Diskette"
- Otherwise, continue to next step.

- ___ 49. The **3746-900 Menu** is displayed.
- ___ 50. Click on **Configuration Management**.
- ___ 51. Double click on **Save Active CDF-E as Reference**.
- ___ 52. The **Save Active** window is displayed.
- ___ 53. Click on **OK**.
- ___ 54. A **Warning** window informs you that the **SAVE** is successful.
- ___ 55. Click on **OK**.

10.4 Save CDF-E on Diskette

- ___ 1. Double click on the SP icon.
- ___ 2. The **Service Processor Menu** window is displayed.
- ___ 3. Click on **Configuration Management**.
- ___ 4. Double click on **Manage 3745-3746-9X0 Installation**.
- ___ 5. The **Controller Installation** window is displayed.
- ___ 6. Click on the machine you are installing the cassette.
- ___ 7. Click on **Save**.
- ___ 8. When requested, insert the *Installation Parameters Diskette* in the diskette drive of the SP.

- ___ 9. When the **Warning** window is displayed, remove the diskette and click on **OK**.
- ___ 10. The **Controller Installation** window is displayed.
- ___ 11. Click on **Cancel**.
- ___ 12. The **3746-900 Menu** window is displayed.

10.5 3746-9X0 Power Mode

The **Power Control** is local (3).

If its original value was (1) Remote, do the following:

- On the Control Panel, press the **Power Control** key until (1) is displayed in the Power Control window, then
- Press the **Validate** key.

10.6 Log the SP OFF

- ___ 1. The **3746-9X0 Menu** window is displayed.
- ___ 2. Click on **Function**, then click on **Exit**.
- ___ 3. On the **MOSS-E View** window is displayed.
- ___ 4. Click on **Program**, then click on **LOG OFF MOSS-E**.

11.0 Test Procedures

None.



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.