

Field Feature Bill of Material (FFBM)

PN 58G5174

**INSTALLATION of a Token Ring Adapter (FC 4760), 4MB,
or a Token Ring Adapter (FC 4770), 16MB,
in IBM 3745 Models X10/X1A**

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Before installation (steps 1-8)

1.0 Machines Affected

3745 Models 210/21A/310/31A/410/41A/610/61A.

2.0 Related BMs and ECs

2.1 Prerequisites

(Must be installed prior to this installation)

- EC A47020: Microcode level loaded in the 3745 must be A47020 (with any suffix) or higher.
Checkpoint: Check microcode EC level with MLT function of MOSS.
- EC A73216: Documentation.
Checkpoint: EC level on PRD sheet (Vol. 3).

FEATURE: A TSST board must be present on 01G-A1 in the machine before installing the first TRSS.

Checkpoint: A TSST board has a card plugged in position A2 (TRM or BPC2).
A TSSB has a dummy card in position A2.

2.2 Concurrent

(Must be installed together)

None.

2.3 Companion

(May be installed separately)

None.

3.0 BMs to be Installed

Note: Review each numbered item in this section to determine your needs.

3.1 FFBMs to be Installed

- 58G5174 - Installation Instructions
- 66X1394 - TRSS
- or 05F2531 - TRSS

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3.2 As required BMs

- 80G5108 - CADS Card Exchange.
- 80G5110 - TRM Card Exchange.
- 66X0037 - Line adapter power supply (if you install an adapter in an ODD position)
- 66X1117 - External cable for token-ring adapter (EMEA only).

4.0 Preparation

1. Familiarize yourself with the purpose and details of these installation instructions before negotiating machine time with the customer.
2. Check all the items and count the parts listed on the B/M(s) to be installed to determine whether all the parts were received.
3. A TSST board is shared between 2 IOC buses.
 - a. IOC bus group 1 drives adapter positions 1 through 4.
 - b. IOC bus group 2 drives adapter positions 5 through 8 of each board.
4. Using the *HONE configurator sheet* and the following table, determine the adapter cards and power (if required) positions to be installed.

- TRSS adapter installation in TSST board (01G-A1 board only).

Adapt. Position	1	2	3	4	5	6	7	8
Install. Seq. TRSS	1st	3rd			2nd	4th		
CARDS TRM	A2	D2	N/A	N/A	L2	P2	N/A	N/A
IN TIC-A	B2	E2	N/A	N/A	M2	Q2	N/A	N/A
01G-A1 TIC-B	C2	F2	N/A	N/A	N2	R2	N/A	N/A
Power Supply (PSTY4)	08 01H-A1		N/A		10 01H-C1		N/A	
01U-A0 Tailgate TRSS	A	D	N/A	N/A	L	P	N/A	N/A

5. The installation of a TRSS can be performed either online (concurrent mode with the NCP running, MOSS online), or offline (complete machine power OFF).

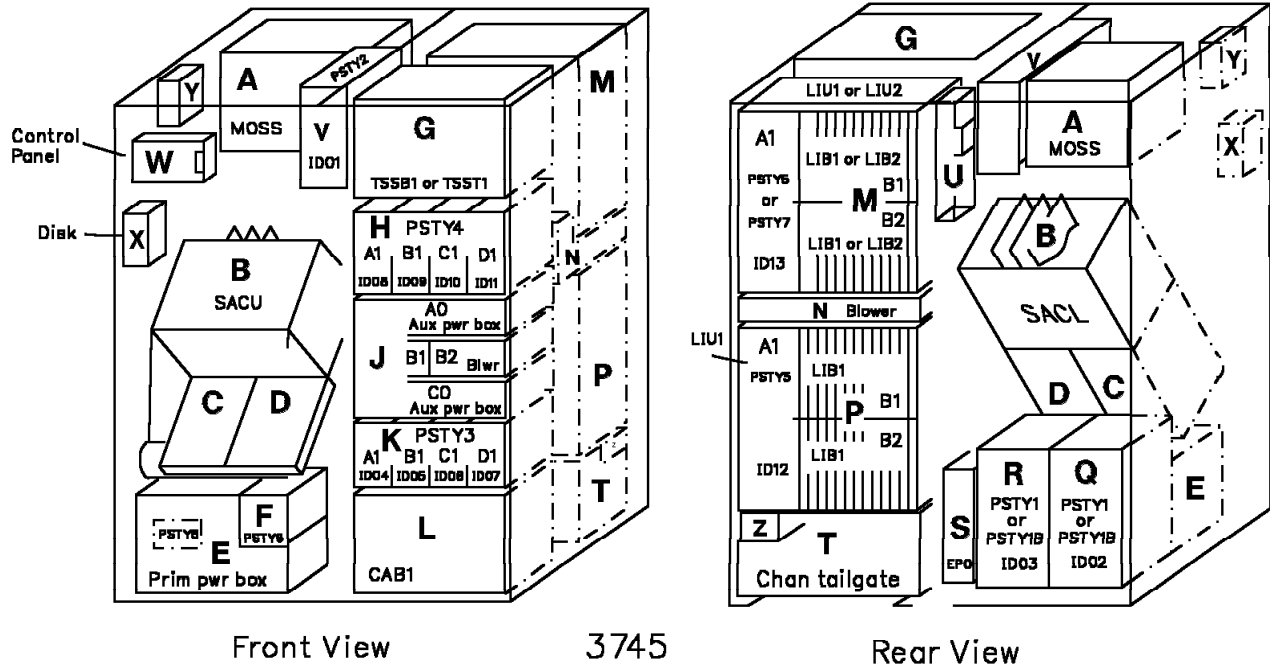
Important note

1. The online installation of a TRSS in 3745-X1A is disruptive for 3746-900 operations.
2. Ask the customer to deactivate all resources of the 3746-900 before installing the adapter.

Select the procedure according to machine availability.

6. For 3745-X1A and 3746-900:

Configuration modification in a line adapter chain, in 3745-X1A with 3746-900 connected, requires the relocation of ACTIVE/PASSIVE bypass cards in IOC/DMA bus for proper signals propagation. This will be done in section 11.0. Parts to be used for relocation are part of the 3746-900 shipping group (holders, BPC1, ABP, cables...).



5.0 Programming

5.1 Diagnostic Programs

To reflect this change, the CDF will be performed in Step 11.0. This is essential to allow the internal diagnostics to be run properly.

5.2 System Programs

The customer must update the control program to implement this change.

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- NCP Tier	Usage Limits (Up to...)
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1	1 TSS/HPTSS + 1 TRA + 2 CA
2	2 TSS/HPTSS + 1 TRA + 2 CA
2.5	6 TSS/HPTSS + 0 TRA + 4 CA
or	2 TSS/HPTSS + 2 TRA + 4 CA
3	8 TSS/HPTSS + 0 TRA + 8 CA
or	4 TSS/HPTSS + 4 TRA + 8 CA
4	24 TSS/HPTSS + 0 TRA + 16 CA
or	20 TSS/HPTSS + 4 TRA + 16 CA
5	32 TSS/HPTSS + 0 TRA + 16 CA
or	28 TSS/HPTSS + 4 TRA + 16 CA

6.0 Purpose and Description

6.1 Purpose

Install a Token-Ring Adapter (TRSS).

6.2 Description

Install adapter cards and associated power supplies (if required).

7.0 Installation Time

To be reported as MES.

FFBM	Machine Hours	System Hours	Number of CE
66X1394 (TRSS for 21X/41X)			
or 05F2531 (TRSS for 31X/61X)	1.3	00.0	1
66X0037 (POWER)	0.4	00.0	
TEST TIME	0.7	00.0	

TOTAL TIME	2.0		
with power:	2.4		

Add 0.3 for ABP card relocation (if 3746-900 attached).

8.0 Tools/Materials Required

ESD kit (PN 6428316).

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Installation (Steps 9-11)

9.0 Safety

- The adapter installation can be performed either online or offline.
- Review the **Safety Notices** and the **Safety Inspection Procedures** located at the beginning of the *3745 Maintenance Information Procedures (MIP)* manual (SY33-2054).

10.0 Details of Installation

- If you are installing an adapter with the machine **POWER ON**, go to Step 10.2, “Adapter Installation Online (3745 Power ON)” on page 9.
- Otherwise, continue.

10.1 Adapter Installation Offline (3745 Power OFF)

Before the installation, ask the customer:

- ___ • To set all the lines and channel addresses offline for this controller.
- ___ • To deactivate all resources of the 3746 Model 900, if attached.
- ___ • For the maintenance password.
- ___ • To logoff the console, if not already done.

10.1.1 From the 3745 Control Panel

- ___ 1. Check that **Power Control** displays 3.
- ___ 2. If it does not, record the value ___.
Set the **Power Control** value to 3.
Press the **Validate** key.

- If you are installing an adapter in a Model X1A, go to Step 10.1.3, “Log the Service Processor on” on page 8.
- Otherwise, continue.

10.1.2 Log the 3745-X10 Console on

- 1. From the **CA INTERFACE DISPLAY** screen, record **Enabled channel adapters**. Then, **disable** all channel adapters.
- 2. Wait for **Interface Status Disabled** for all CAs. Press **F4**.
- 3. Enter the maintenance password, press **Send**.

Note: If Model 410/610, the CCU must be selected with **CSR** function before **RST**.

Perform the **CSR/RST** sequence for each CCU.

- 4. If the CCU is running, enter **CSR** and select CCU A or/and CCU B. Then, enter **RST** to reset the CCU(s). The MOSS goes in **MOSS ALONE** state.

- Go to Step 10.1.4, "Display the CDF."

10.1.3 Log the Service Processor on

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

10.1.3.1 Open MOSS/MOSS-E Session

- 1. On the **MOSS-E View** window, double click on the icon of the identified 3745.
- 2. On the **3745 Menu** window, double click on **MOSS Console**.
- 3. When **MOSS Console** screen is displayed, enter **CID**, press **Enter**.
- 4. From the **CA INTERF DISPLAY** screen, record **Enabled channel adapters**. Then, **disable** all channel adapters.
- 5. When all CAs are **DISABLED**, press **F1**.

Note: On Models 41A/61A, CCU must be selected with **CSR** function before performing **RST**.

Perform CSR/RST sequence for each CCU.

- 6. If CCU running, enter **CSR** and select CCU A or CCU B. Then, enter **RST** to reset CCU(s). The MOSS goes in **MOSS ALONE** state.

10.1.4 Display the CDF

Note: From this point, the **Send** key is used only for a local console. For a Service Processor, press the **Enter** key.

- 1. Enter **CDF**, press **Send/Enter**.
- 2. Enter **1** (DISPLAY/UPDATE), press **Send/Enter**.
- 3. Enter **7** (LINE ADAPTERS (LA)), press **Send/Enter**.

Check for the presence of an **N** for the LA position to be installed according to the *HONE configurator sheet*. Press **F1**.

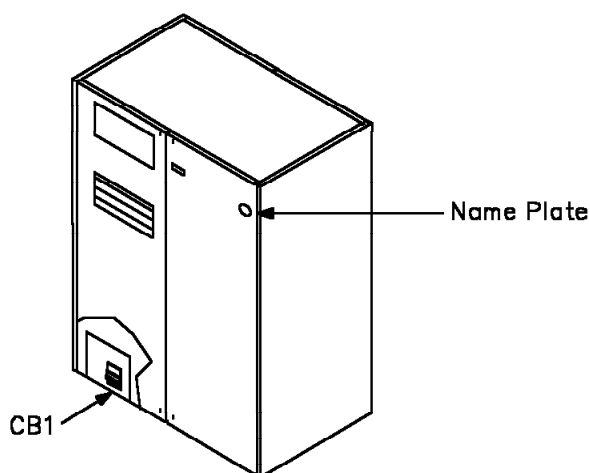
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10.1.5 Run the Diagnostics

- ___ 1. Enter **ODG**, press **Send/Enter**.
- ___ 2. Enter **3** (IOCB), press **Send/Enter**.
- When **NO ERROR FOUND** is displayed, press **F1**.
- If an error is reported, see the *MIP*, Chapter 2, and follow appropriate procedure.

10.1.6 Power OFF

- ___ 1. From the 3745 control panel, press the **Power OFF** key.
- ___ 2. Open the left cover of the 3745, then switch **CB1** OFF.



- Go to Step 10.3, "TRSS Installation" on page 11.

10.2 Adapter Installation Online (3745 Power ON)

Before the installation, ask the customer:

- ___ 1. For the maintenance password.
- ___ 2. To logoff the console, if not already done.
- ___ 3. To deactivate all resources on the 3746 Model 900, if attached.
- ___ 4. If the identified adapter to be installed is in an EVEN position, notify the customer to de-activate all the lines connected on the ODD adapter fed by the same power supply (refer to table in Step 4.0, "Preparation" on page 4).

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10.2.1 From the 3745 Control Panel

- ___ 1. Check that **Power Control** displays **3**.
- ___ 2. If it does not, record the value ___.
Set the **Power Control** value to **3**.
Press the **Validate** key.

- If you are installing an adapter in a **Model X1A**, go to **Step 10.2.3, “Log the Service Processor on.”**
- Otherwise, continue.

10.2.2 From the 3745-X10 Console

- ___ 1. When the **CA INTERFACE DISPLAY** Screen is displayed, press **F4**.
- ___ 2. Enter the maintenance password, press **Send**.

- Go to **Step 10.2.4, “Display the CDF.”**

10.2.3 Log the Service Processor on

- ___ 1. On the **MOSS-E View** window, click on **Program**.
- ___ 2. Click on **LOG ON MOSS-E**.
- ___ 3. Enter the maintenance password, press **Enter**.
- ___ 4. On the **MOSS-E View** window, double click on the icon of the identified 3745.
- ___ 5. On the **3745 Menu** window, double click on **MOSS Console**.

Wait for **MOSS Console** screen.

10.2.4 Display the CDF

Note: From this point, the **Send** key is used only for a local console. For a Service Processor, press the **Enter** key.

- ___ 1. Enter **CDF**, press **Send/Enter**.
- ___ 2. Enter **7 (LINE ADAPTERS (LA))**,
press **Send/Enter**.
Check for the presence of an **N** for the LA position to be installed according to the *HONE configurator sheet*.
Press **F1**.

- If you are installing an adapter in an **ODD position (1 or 5)**, go to **Step 10.3, “TRSS Installation” on page 11**.
- Otherwise, continue.

10.2.5 Adapter Disconnect from NCP

Note: If you install an adapter in an EVEN position, you must also disconnect from the NCP the adjacent ODD LA powered by the same PSTY4 (see table in Step 4.0, "Preparation" on page 4).

Follow this procedure for the first adapter (1 or 5), and repeat these Steps for the second (2 and 6).

- ___ 1. Enter **TRS** (TRSS services),
press **Send/Enter**.
- ___ 2. Enter **1** (SELECT), press **Send/Enter**.
- ___ 3. In the data entry, enter **1** (SELECT),
press **Send/Enter**.
- ___ 4. Enter the number of the adapter,
press **Send/Enter**.
- ___ 5. Move the cursor to the data entry area,
enter **2** (CONNECT/DISC),
press **Send/Enter**.
- ___ 6. Enter **DS**, press **Send/Enter**.
- ___ 7. Press **F1**.

10.2.6 Power OFF the PSTY4

Warning US ONLY

If there is a mix of PSTY4 vendors in the frame, and normal power removal procedures are used to power down more than one supply, a false NOREPLY indication may occur. To avoid this condition, remove power from one PSTY4, install the associated adapter(s) (Step 10.3, "TRSS Installation") and restore power to that PSTY4 (UXX from POS screen). This sequence can be repeated for the remaining PSTY4(s).

If you install an adapter in an EVEN position, you must power OFF the PSTY4 driving the adjacent ODD LA (see table in Step 4.0, "Preparation" on page 4).

- ___ 1. Enter **POS**, press **Send/Enter**.
- ___ 2. Enter **1** (frame power services), press **Send/Enter**.

On the displayed screen, check that the status of the identified PSTY4 is UP, then, enter DXX (XX being the PSTY4 ID). Verify that the power supply goes to the **DOWN** state.

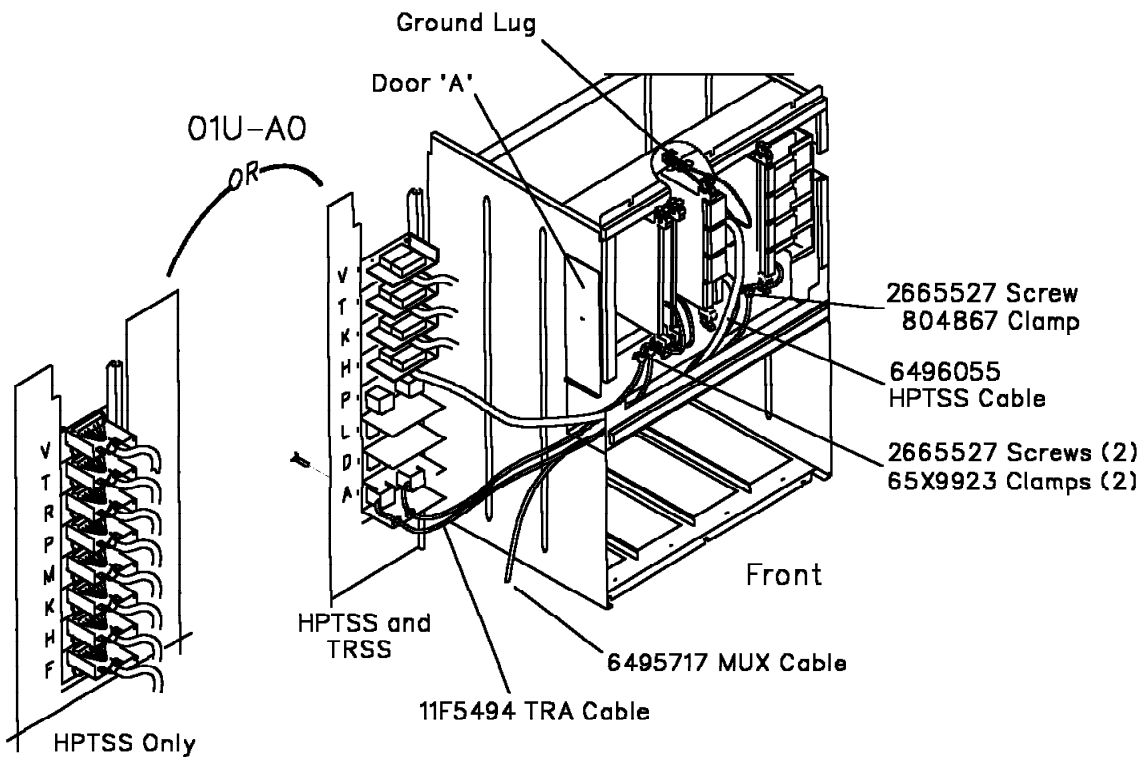
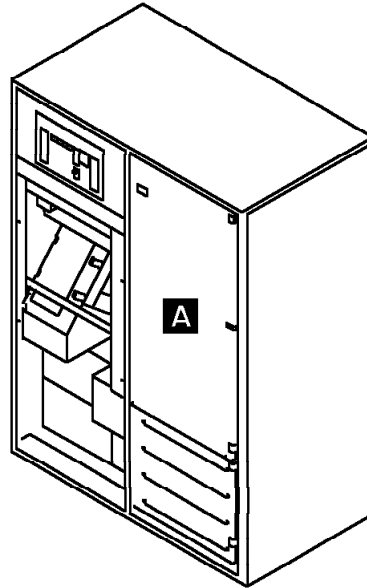
10.3 TRSS Installation

Note: If you are reinstalling a TRSS adapter (RPQs 07L1082 or 07L1084), please verify that the TRM card is at PN 09G2777 or higher (reference ZZ001 pages). If the correct PN is already with the removed adapter, send the new card via return package to your Branch Office. **Warning:** Follow existing ESD procedures when handling logic parts.

- ___ 1. Open system covers.

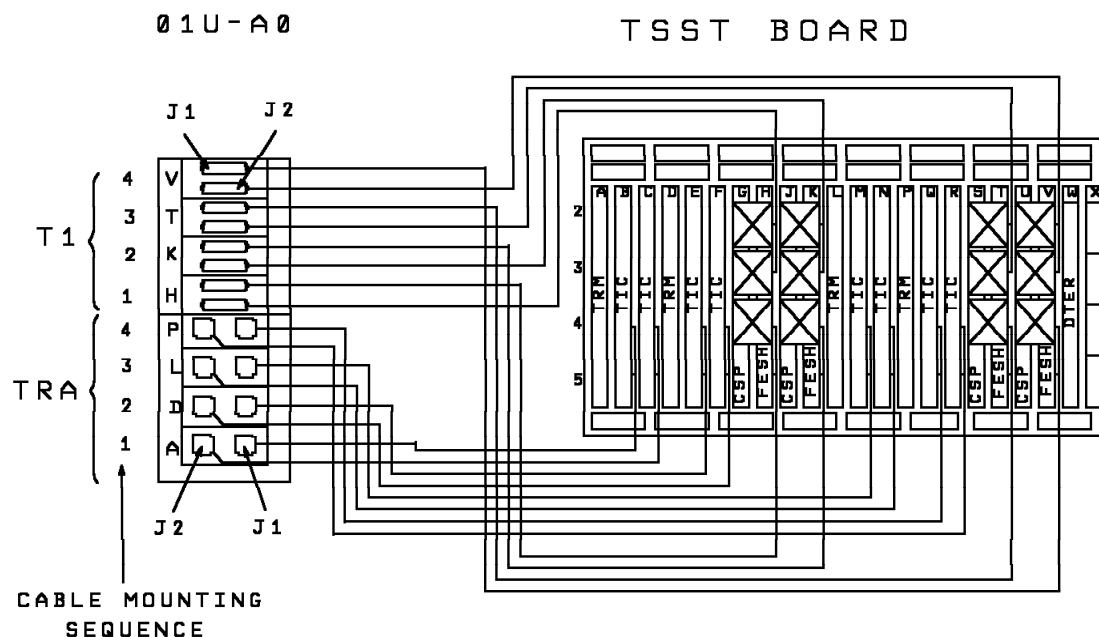
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- 2. If present, open the shield **A**, and locate the TSST board in position 01G.
- 3. Remove dummy cards or IOC bypass card (BPC2) from positions where the adapter will be installed according to the *HONE Configurator sheet* and table in Step 4.0, "Preparation" on page 4.
- 4. See the following figure. On the left side of the enclosure slide the door marked 'A' up.



10.3.1 Internal Adapter Cable asm Installation

- 1. From the rear of the 3745, locate the 01U-A0 tailgate, remove the dummy bracket from the position identified in Step 4.0, "Preparation" on page 4, keep the screws.
- 2. In the same location, install the adapter cable ASM (PN 11F5494) using the two screws kept in the previous Step.
- 3. Route the cable to the 01G gate.



10.3.2 Card Installation

- 1. Verify that three holders (PN 1953172) are installed on adapter cards provided by card group B/M 66X1218 (210/21A/410/61A) or B/M 05F2532 (310/31A/610/61A).
- 2. Plug the 3 adapter cards in positions determined in Step 4.0, "Preparation" on page 4.

Note: Before plugging the TIC cards on the board, connect the ends of adapter cables in the J1 connector of each card (see the following table).

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Board Position	1	2	5	6
Tailgate Position J1	B	E	M	Q
Tailgate Position J2	C	F	N	R
Tailgate Position	A	D	L	P

- 3. Secure the adapter cables ASM on 01G gate with two clamps (PN 65X9923) and two screws (PN 2665527).

10.3.3 External Cable

Warning

Hazardous voltages can exist on ground shield cables due to various faults. When installing token-ring cables, verify that the ground potential difference between the cable shields and the 3745/3746 frame ground is no more than 1.0 VAC. If the voltage is exceeded, notify the customer immediately and do not proceed until the problem is corrected. Avoid installation or reconfiguration work during lightning activity.

- • Install the token-ring external cable provided by FFB/M 66X1117 (EMEA ONLY) on tailgate 01U-A0.

Note: For APG/AG and Domestic, external cables are supplied by customer order.

10.4 Power Supply Installation (if required)

- If you have installed an adapter in an ODD position (1 or 5), you must install a line adapter power block (PSTY4).
- If you do not install a PSTY4, go to Step 10.5, “Covers” on page 15.

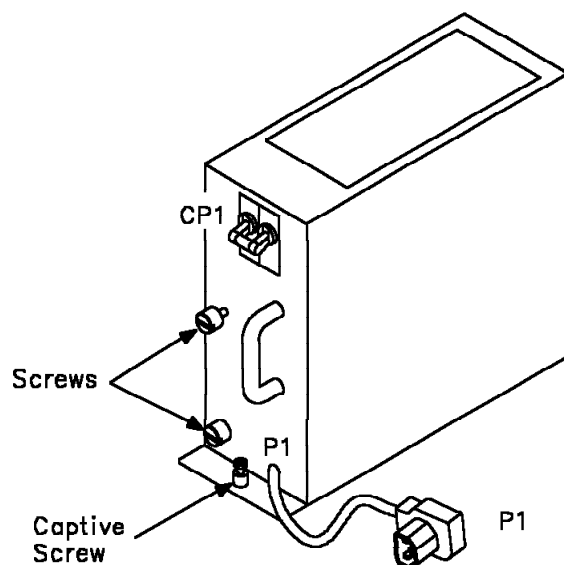
Note: A PSTY4 feeds 2 Line adapters.

Warning

1. Verify that all PSTY4 packing material is removed.
2. The two power screws are very easily cross threaded. If cross threading occurs, correct voltage levels may not be achieved. The following procedure is suggested to prevent cross threading. While applying a small amount of pressure, turn the screws counter clockwise, one full turn before beginning clockwise rotation and thread engagement.

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10.4.1 PSTY4 Installation



- ___ 1. Locate the position of the PSTY4 to be installed (see table in Step 4.0, "Preparation" on page 4).
- ___ 2. Remove the dummy PSTY bracket on that position (one screw).
- ___ 3. Slide the PSTY4 (PN 6495672) into the enclosure.
- ___ 4. Tighten the two front screws then the captive screw on the bottom front of PSTY4.
- ___ 5. Plug the power plug P1 into the appropriate plug position of the auxiliary power box (J1, J2, J3, or J4).
- ___ 6. Be sure that the CP1 on PSTY4 is in the **ON** position.

10.5 Covers

- ___ 1. Slide down door 'A' on the left side of the adapter enclosure. See the second figure in Step 10.3, "TRSS Installation" on page 11.
- ___ 2. Reinstall covers and shields opened in previous Steps.

- After an adapter installation with 3745 POWER ON, go to Step 11.2, "Test Procedure After an Adapter Installation Power ON" on page 19.
- Otherwise, continue.

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10.6 Power ON

Switch CB1 ON, and close system covers.

From the 3745 control panel:

- ___ 1. set the **Function** indicator to 1.
Press the **Validate** key.
- ___ 2. Press the **Power ON Reset** key.

The MOSS IML is completed when **F0E** is displayed on the 3745 control panel.

11.0 Test Procedures

11.1 Test Procedures after Complete POWER OFF

- If you have installed an adapter in a Model X1A, go to Step 11.1.2, “Open MOSS/MOSS-E Session.”
- Otherwise, continue.

11.1.1 From the 3745-X10 Console

- ___ 1. When the **CA INTERFACE DISPLAY** screen is displayed, press **F4**.
- ___ 2. Enter the maintenance password, press **Send**.

- If you have not installed a PSTY4, go to Step 11.1.4, “Update the CDF” on page 17.
- Otherwise, go to Step 11.1.3, “Create the Power Configuration Table” on page 17.

11.1.2 Open MOSS/MOSS-E Session

From the Service Processor:

- ___ 1. Wait until the 3745 icon becomes PURPLE.
- ___ 2. When the **3745 Menu** window is displayed, double click on **MOSS console**.

Wait for the **Function Selection Rules** screen.

- If you have not installed a PSTY4, go to Step 11.1.4, “Update the CDF” on page 17.
- Otherwise, continue.

11.1.3 Create the Power Configuration Table

- ___ 1. Enter **POS**, press **Send/Enter**.
- ___ 2. Enter **C** (RE-CREATE), press **Send/Enter**.
Verify that the ID of the PSTY4 you have installed is displayed.
- ___ 3. Enter a **Y** to confirm, press **Send/Enter**.
- ___ 4. Select option **1** and display the power information for the base frame, press **Send/Enter**.
The power status is **DOWN** for the new power.
- ___ 5. Enter **UXX** to set the power **UP**.
Verify that the PSTY4 goes to the **UP** state.
Press **F1**.

11.1.4 Update the CDF

- ___ 1. Enter **CDF**, press **Send/Enter**.
- ___ 2. Enter **4** (VERIFY), press **Send/Enter**.
The values from the **CDF DATA** and the **MACHINE DATA** should be identical, except for the adapter you have just installed.
- ___ 3. To update the CDF with machine values, enter **2**, press **Send/Enter**.
 - When **CDF VERIFY COMPLETED** is displayed, press **F6**.
 - If adapters are not recognized, see the *MIP*, Chapter 1, and follow appropriate procedure.

11.1.5 Display the CDF

- ___ 1. Enter **CDF**, press **Send/Enter**.
- ___ 2. Enter **1** (DISPLAY/UPDATE), press **Send/Enter**.
- ___ 3. Enter **7** (LINE ADAPTERS (LA)), press **Send/Enter**.
A **Y** should appear under the LA number you have just installed.
Check the **LA TYPE** value: 3 for TRSS.
Press **F1**.

11.1.6 Run the Diagnostics

- ___ 1. Enter **ODG**, press **Send/Enter**.
- ___ 2. Enter **6** (TRSS).
Enter the **Adapter Number**, press **Send/Enter**.
 - When **NO ERROR FOUND** is displayed, press **F1**.
 - If an error is displayed, see the *MIP*, Chapter 2, and follow the appropriate procedure.

11.1.7 Save Hard Disk Contents Onto the Backup set of Diskettes

- ___ 1. Select **DIF**, press **Send/Enter**.
- ___ 2. Select **2**. Enter the date and save-ID, press **Send/Enter**.
Follow the prompts on the console.
- ___ 3. When function is completed, press **F1**.

- If you have installed an adapter in a Model X1A, go to Step 11.1.9, “Relocate the Bypass Cards” on page 18.
- Otherwise, continue.

11.1.8 Logoff the 3745-X10 Console

Re-enable the channel adapters disabled in Step 10.1.2, “Log the 3745-X10 Console on” on page 8.

- Go to Step 11.1.11, “General IPL” on page 19.

11.1.9 Relocate the Bypass Cards

Note: Follow this Step if a 3746-900 is attached.

From the Service Processor:

1. On the **3745 Function Selection** screen, enter **OFF**, press **Enter**.
2. On the **3745 menu** window, click on **OPERATION MANAGEMENT**.
3. Double click on **Locate Bypass Card Position**.
4. Follow the instructions.

Note: Refer to the *3746 Model 900 Installation Guide* (SY33-2088), Chapter 4, section: 'Plugging the Active and Bypass Cards and Connecting +5 V Cables'. Then, Chapter 5, perform steps 1, 2, and 5, to verify the CDF and test the IOC/DMA bus.

11.1.10 Logoff MOSS-E

1. On the **3745 Menu** window, double click on **MOSS Console**,
2. Enter **CID**, press **Enter**.
3. Enable the channel adapter recorded in Step 10.1.3, “Log the Service Processor on” on page 8.
Wait until all channels are **E** in the E/D REQUEST column.
Press **F1**.
4. Enter **OFF**, press **Enter**.
5. On the **3745 Menu** window, click on **Function**. Then, click on **Exit**.
6. On the **MOSS-E View** window, click on **Program**.
7. Click on **LOG OFF MOSS-E**.

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11.1.11 General IPL

From the 3745 Control Panel:

- ___ 1. Set the **Power Control** indicator to its original value recorded in Step 10.1.1, "From the 3745 Control Panel" on page 7.
- ___ 2. Set the **Function** indicator value to **0** (general IPL).
- ___ 3. Press the **Validate** key.

The general IPL starts.

- If **FF4** is displayed on the control panel, ask the customer to load the control program.
- If the control program is loaded from the hard disk, **000** will be displayed when **IPL** is successful.

Note: The control program load can fail if a mismatch exists between the control program and the hardware configuration.

- Go to Step "After Installation (steps 12-15)" on page 22.

11.2 Test Procedure After an Adapter Installation Power ON

11.2.1 Create the Power Configuration Table

- If you have not installed a PSTY4, go to Step 11.2.3, "Update the CDF" on page 20.
- Otherwise, continue.

1. Enter **POS**, press **Send/Enter**.
2. Enter **C** (RE-CREATE), press **Send/Enter**.
Verify that the ID of the PS you have installed is displayed.
3. Enter a **Y** to confirm, press **Send/Enter**.
4. Select option **1** and display the power information for the base frame.
Press **Send/Enter**.

11.2.2 Power ON the PSTY4

- ___ 1. The power status is **DOWN** for the PSTY4.
- ___ 2. Enter **UXX** to set the power supply **UP**.
Verify that the PSTY4 goes to the **UP** state.
- ___ 3. Press **F1**.

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11.2.3 Update the CDF

- ___ 1. Enter **CDF**, press **Send/Enter**.
- ___ 2. Enter **7** (LINE ADAPTERS (LA)), press **Send/Enter**.
An **N** is displayed under the LA you have just installed.
- ___ 3. Enter the LA number, press **Send/Enter**.
Press **F5** (Update).
- ___ 4. Enter the LA type, press **Send/Enter**.
- ___ 5. When **CDF LA CHANGE COMPLETED** is displayed, press **F6**.
- ___ 6. A **Y** is now displayed under the LA number. Verify the LA type.
Press **F1**.

11.2.4 Adapter Mode Change

To run diags, TRA must be in **Disconnect** mode.

- ___ 1. Enter **TRS** (TRSS services), press **Send/Enter**.
- ___ 2. Enter **1** (SELECT), press **Send/Enter**.
- ___ 3. Enter the adapter number, press **Send/Enter**.
- ___ 4. In data entry area, enter **2** (CONNECT/DISC),
press **Send/Enter**.
- ___ 5. Enter **DS** to set the TRA to the **Disconnect** mode, press **Send/Enter**.
Press **F1**.

11.2.5 Concurrent Diagnostics

Note: Do not run concurrent adapter diagnostics if MCF m025A213 is applied.
See RETAIN h0944637 for details.

- ___ 1. Enter **CDG**, press **Send/Enter**.
- ___ 2. Enter **6** (TRSS), the **Adapter Number**,
press **Send/Enter**.
 - When **NO ERROR FOUND** is displayed, press **F1**.
 - If an error is reported, see the *MIP*, Chapter 2, and follow the appropriate procedure.

11.2.6 Reconnect an Adapter to NCP

- ___ 1. Enter **TRS**, press **Send/Enter**.
- ___ 2. Enter **1** (SELECT), press **Send/Enter**.
Enter the adapter number, press **Send/Enter**.
- ___ 3. In the data entry area, enter **2** (CONNECT/DISC),
press **Send/Enter**.
Enter **CT** (CONNECT), press **Send/Enter**, to connect the TRSS to the NCP.
- ___ 4. When an adapter is connected to the NCP, and if you have a second TRSS to be connected to NCP, release this first TRA number via option 1 of the TRSS function, and repeat this Step for the second TRSS.

- ___ 5. Press **F1**.

11.2.7 Set the MOSS Offline

Note: If the 3745 is a Model 410/41A/610/61A, the CCU must be selected with the **CSR** function before performing the **MOF** function. Perform **CSR/MOF** sequence for each CCU.

- ___ 1. Enter **MOF**, press **Send/Enter**.
- ___ 2. Press **F1**.

11.2.8 Save Hard Disk Contents onto the Backup set of Diskettes

- ___ 1. Enter **DIF**, press **Send/Enter**.
- ___ 2. Enter **2**.
Enter the date and save-ID and press **Send/Enter**.
Follow the prompts on the console.
- ___ 3. When the function is completed, press **F1**.

- If you have installed an adapter in a Model X1A, go to Step 11.2.10, “Log the Service Processor off.”
- Otherwise, continue.

11.2.9 Log the 3745-X10 Console off

Ask the customer to activate the resources on the new adapter if the NCP is configured.

- Go to Step “After Installation (steps 12-15)” on page 22.

11.2.10 Log the Service Processor off

- ___ 1. Enter **MON**, press **Enter**.
- ___ 2. Enter **OFF**, press **Enter**.
- ___ 3. On the **MOSS-E View** window, click on **Program**.
- ___ 4. Click on **LOG OFF MOSS-E**.

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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 (As MES activity) and quality to existing procedures.

End of instructions.

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