

Field Feature Bill of Material (FFBM)

PN 57G7487

INSTALLATION of a High Speed Scanner (FC 4740) 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)

For Models 210/410 only:

- EC A47006B: Microcode level loaded in 3745 must be A47006B or higher (see ZZ001).
Checkpoint: Check microcode EC level with MLT function of MOSS.
- EC A47546: MOSS EPROM.
Checkpoint: EPROM CARD in 01A-X0E4 must be PN 11F5058 or later (see ZZ001).
- EC A47339: Documentation level in 3745 must be A47339 or higher.
Checkpoint: EC level on PRD sheet (Vol. 3).

2.2 Concurrent/Companion

None.

3.0 BMs to be Installed

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

- 57G7487 - Installation Instructions.
- 66X0099 - High speed scanner installation (HPTSS).

3.1 As required BMs

- 66X0037 - Line adapter power supply (if you install an adapter in ODD position)
- 11F6530 - External cable for HPTSS (Spain, Norway, Denmark and Ireland only)
- 66X0084 - External cable for HPTSS (EMEA except France)
- 66X0088 - External cable for HPTSS (EMEA France only)

- 66X0095 - DMSW and DTER card (if you install the first HPTSS in 3745 Models X10 only)
- 66X1392 - DMSW cards and DTER card (if you install the first HPTSS in 3745 Models X10 only)
- 72F0036 - Wrap plugs for all Models.

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 parts listed on the BM(s) to be installed to determine whether all parts were received.

Notes:

- a. The 01G-A1 board in base frame can be TSSB or TSST.
 - A TSST board (used only in the 3745) can have TRSS, TSS and/or HPTSS/ELA adapters installed.
 - A TSSB board can have TSS and HPTSS/ELA adapters installed.
- b. HPTSS and TRSS can be installed in base frame only (board 01G-A1).
- c. TSSB and TSST boards are shared between 2 IOC buses.
 - IOC bus group 1 drives adapter positions 1 through 4.
 - IOC bus group 2 drives adapter positions 5 through 8 of each board.
3. Using the *HONE configurator sheet* and the following tables determine the adapter cards and power (if required) positions to be installed.

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- Table 1: HPTSS adapter installation in TSST board (01G-A1 board only).

Adapt. Position	1	2	3	4	5	6	7	8
Install. Seq. HPTSS	"	"	" 1st "	" 3rd "	"	"	" 2nd "	" 4th "
CARDS CSP in 01G-A1 H	N/A N/A	N/A N/A	G2 H2	J2 K2	N/A N/A	N/A N/A	S2 T2	U2 V2
Power Supply (PSTY4)	08 01H-A1		09 01H-B1		10 01H-C1		11 01H-D1	
01U-A0 Tailgate HPTSS	" N/A "	" N/A "	" H "	" K "	" N/A "	" N/A "	" T "	" V "

- Table 2: HPTSS adapter installation in TSSB board (01G-A1 only).

Adapt. Position	1	2	3	4	5	6	7	8
Inst. sequence	1st	3rd	5th	7th	2nd	4th	6th	8th
CARDS CSP in 01G-A1 H	E2 F2	G2 H2	J2 K2	L2 M2	N2 P2	Q2 R2	S2 T2	U2 V2
Power Supply (PSTY4)	08 01H-A1		09 01H-B1		10 01H-C1		11 01H-D1	
01U-A0 Tailgate HPTSS	" F "	" H "	" K "	" M "	" P "	" R "	" T "	" V "

4. The installation of an HPTSS can be performed either online (concurrent mode with NCP running, MOSS online) or offline (complete machine power OFF).

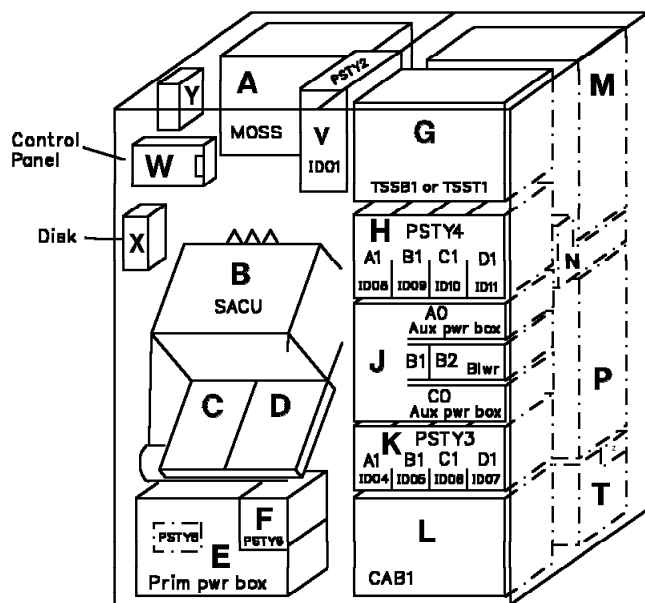
Important note

1. The online installation of a HPTSS 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.

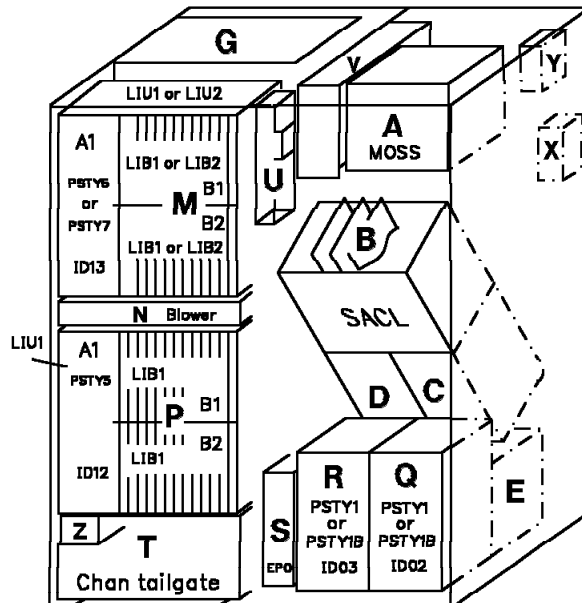
For Models 210/310/410/610: if you install the first HPTSS in the 3745, the whole system MUST be powered OFF due to the installation of DMSW card(s) in CCU and DTER card. DMSW and DTER cards are always present in 3745-X1A.

5. If you install a HPTSS in a 3745 housing an ALC feature (RPQ 7L1092), the first ALC feature on the IOC BUS must be moved, and plugged in last position of adapters.
The HPTSS feature will be plugged in place of the ALC feature.
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...).



Front View

3745



Rear View

5.0 Program Update

5.1 Diagnostic Programs

To reflect this change, the CDF will be performed in Step 11.0, "Test Procedures" on page 13. 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.

NCP Tier	Usage Limits (Up to...)
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 High Speed Scanner (HPTSS).

6.2 Description

Install Adapter cards and associated Power Supply (if required).

7.0 Installation Time

FFBM	Machine Hrs.	System Hrs.
66X0099 (HPTSS)	1.3	00.0
66X0037 (POWER)	0.4	00.0
66X0095 (DMSW/DTER)	0.5	00.0
66X1392 (DMSW/DTER DUP)	0.8	00.0
72F0036 (Wrap plugs)		
66X1117 (EMEA CABLES)	0.3	00.0
TEST TIME	0.7	00.0

Total time: 2.0, with Power: 2.4

- Add 0.5 (for DMSW/DTER) if you install the first HPTSS in 3745 Models 210/310.
- Add 0.8 (for DMSW/DTER) if you install the first HPTSS in 3745 Models 410/610.
- Add 0.3 for ABP card relocation (if 3746-900 attached).

8.0 Tools/Materials Required

ESD kit (PN 6428316).

Installation (steps 9-11)

9.0 Safety

- The adapter installation can be performed either online or offline.
- The installation of the first HPTSS in the 3745 will be performed offline (power OFF).
- 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 7.
- 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."
- 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 10.1.5, "Display the CDF" on page 7.

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**.

10.1.4 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.

10.1.5 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.

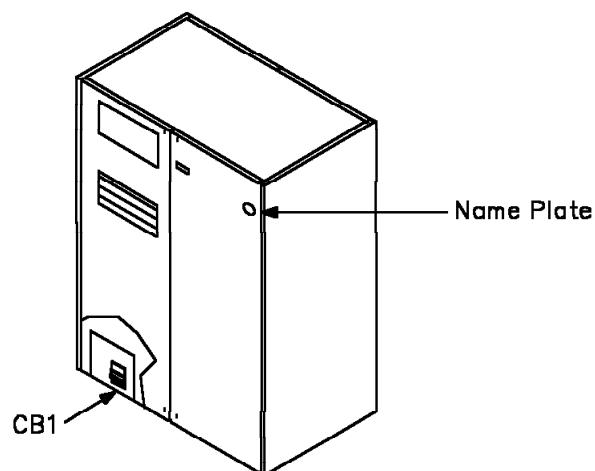
- ___ 1. Enter **CDF**, press **Send/Enter**.
- ___ 2. Enter **1** (DISPLAY/UPDATE), press **Send/Enter**.
- ___ 3. Enter **7** (LINE ADAPTERS (LA)), press **Send/Enter**.
Check for the presence of an **N** for the LA position to be installed according to the *HONE configurator sheet*. Press **F1**.

10.1.6 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.

10.1.7 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, "HPTSS Installation" on page 9.

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 3).

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” on page 8.
- Otherwise, continue.

- If you are installing an adapter in an ODD position (1 or 5), go to Step 10.3, “HPTSS Installation” on page 9.
- 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 10.2.5, “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**.

10.2.4 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**.

Wait for the **MOSS Console** screen.

10.2.5 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**.

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

1. Enter **TSS** (TSS 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**.

10.2.7 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, “HPTSS Installation” on page 9) 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 3).

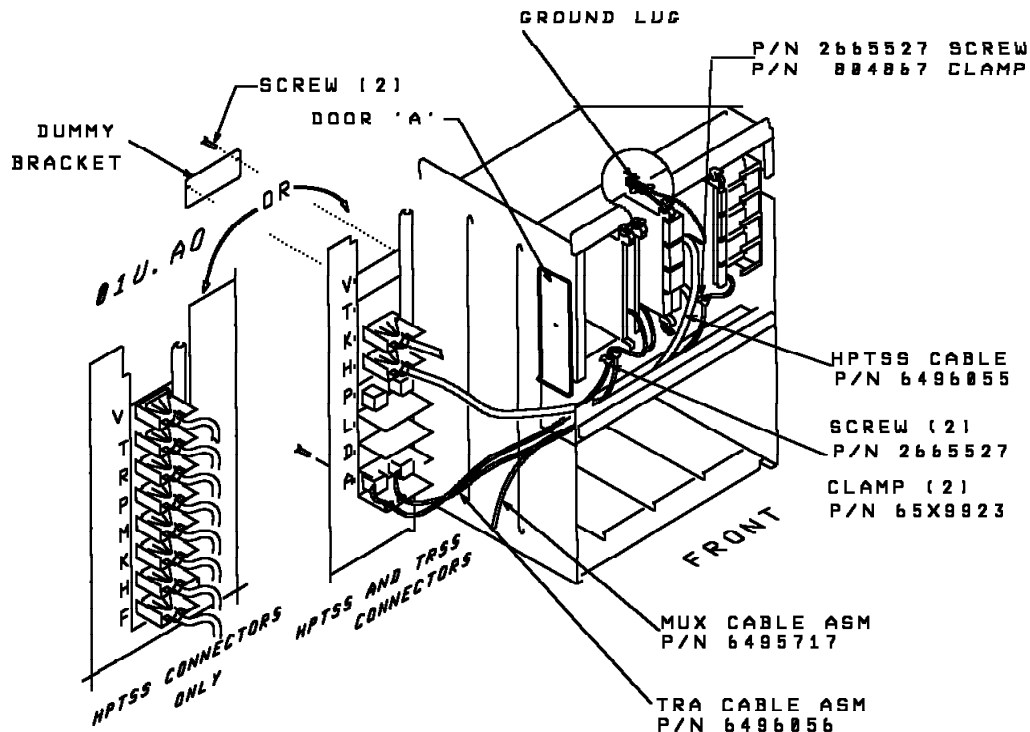
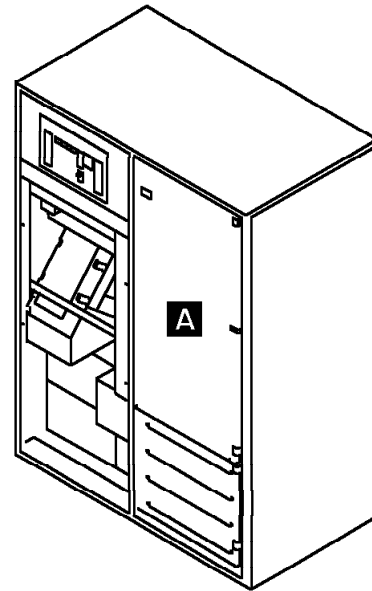
- ___ 1. Enter **POS**, press **Send/Enter**.
- ___ 2. Enter **1** (frame power services), press **Send/Enter**.

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 HPTSS Installation

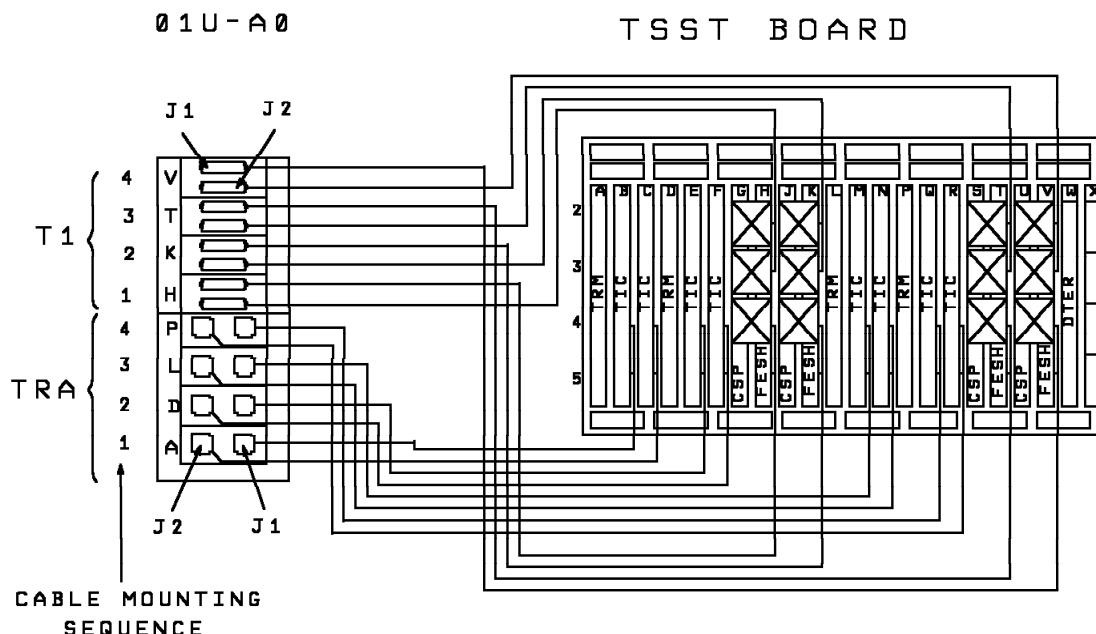
Warning: Follow existing ESD procedures when handling logic parts.

- ___ 1. Open system covers.
- ___ 2. If present, open the shield **A** and locate the TSST or TSSB board in position 01G-A1.
- ___ 3. Remove dummy cards or IOC bypass card (BPC1) from positions where feature will be installed according to *HONE configurator sheet* and tables in Step 4.0, "Preparation" on page 3.
- ___ 4. See the following figure. On the left side of the enclosure, slide the door marked 'A' up.



10.3.1 Internal HPTSS cable installation

1. From the rear of 3745, locate 01U-A0 tailgate, and remove dummy bracket from position identified in Step 4.0, "Preparation" on page 3. Retain the screws.



2. In the same position install the HPTSS cable ASM (PN 6496055) using the 2 screws retained in previous Step.
3. Route the cable to 01G gate.

10.3.2 Card Installation

1. Verify that holders (PN 1953244) are installed on HPTSS cards (provided by card group BM 66X0068).
2. Plug the HPTSS cards in board 01G-A1 in positions determined in Step 4.0, "Preparation" on page 3.
Note: Before plugging the FESH card in board, connect the HPTSS cable in sockets J1 and J2 of the card.
3. Plug the 3 crossovers in top card connectors W, X, and Y of HPTSS cards.
4. Connect the two ground wires of cable ASM to the ground lugs above the 01G gate.

10.3.3 External Cables

- Connect the HPTSS external cable provided by FFBM 66X0084 or 66X0088 (EMEA only) in tail gate connector. In domestic and APG/AG the cable is provided thru customer order chart.

If you are not installing the first HPTSS (in Models 210/310/410/610), go to Step 10.5, "Power Supply Installation (if required)" on page 13. Otherwise, continue.

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10.4 First HPTSS in 3745 (210/310/410/610)

Warning: For this Step, the complete 3745 must be POWERED OFF.

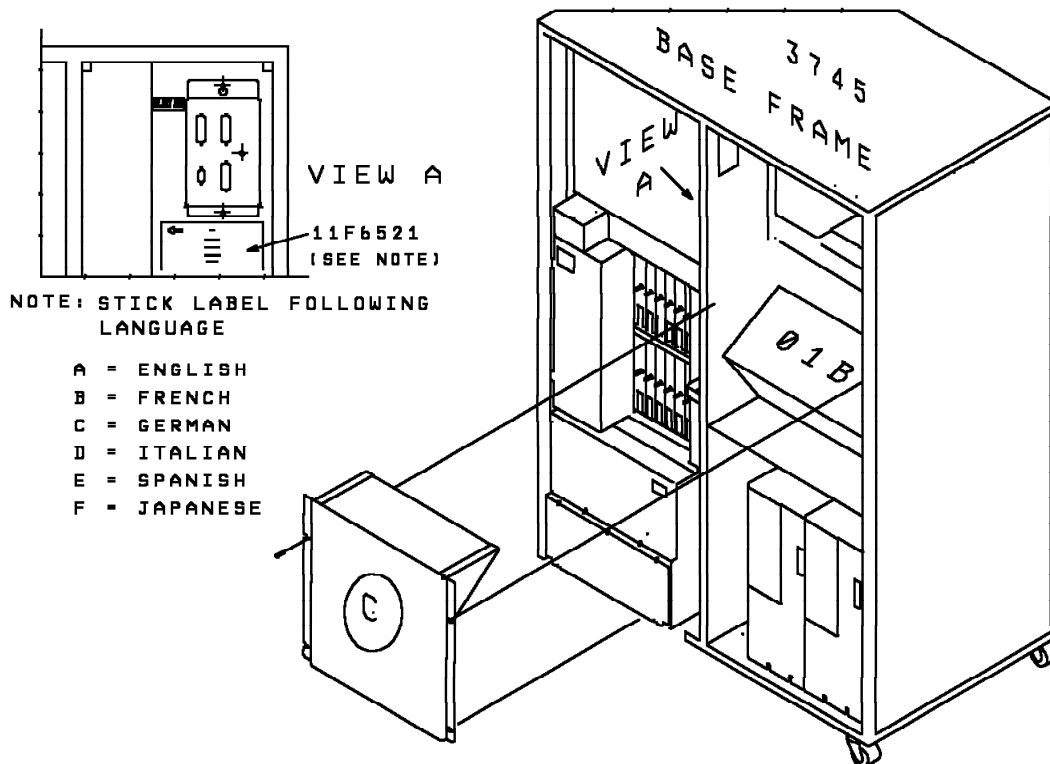
At the installation of the first HPTSS in 3745-X10, you must install:

- For 3745 Models 210/310: one DMSW card and one terminator card (DTER).
- For 3745 Models 410/610: two DMSW cards and one terminator card (DTER).

10.4.1 DTER Card Installation

Check that holder (PN 1953244) is installed on DTER card and plug the card in 01G-A1W2.

10.4.2 DMSW Card Installation



From the rear of the machine:

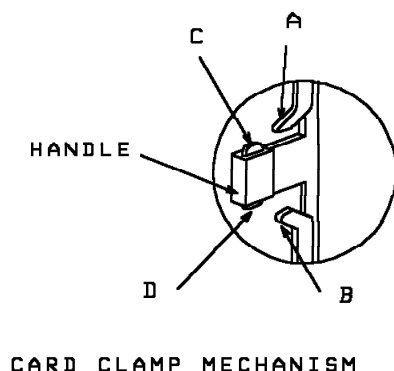
1. Remove the shield C with 4 screws and locate the 01B area.

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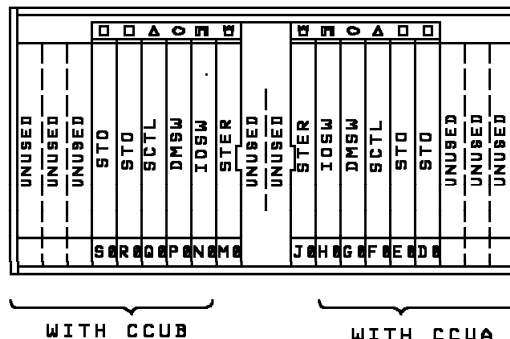
___ 2. Using both hands, move levers A and B outwards simultaneously at positions:

- 01B-G0 for 3745 Models 210/310
- or 01B-G0 and 01B-P0 for 3745 Models 410/610,

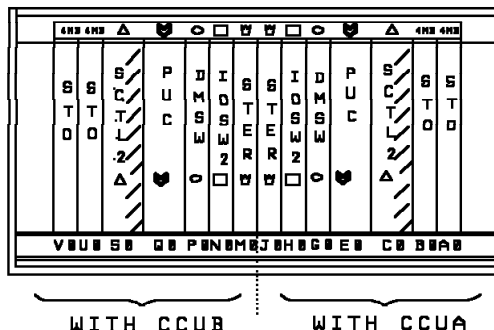
and remove dummy cards.



SACU/SACL CARD LOCATIONS
FOR MODELS 210/410



SACU/SACL CARD LOCATIONS
FOR MODELS 310/610



___ 3. Install with care the DMSW card(s) (see figure for card clamp mechanism) as follows:

- Insert the card(s) in its slot (G0) or (G0 and P0) and press in catches B and C, and push gently the handle till the card(s) lock(s) in place.
- Using both hands, move levers A and B inwards simultaneously.

___ 4. Reinstall the shield over 01B area.

___ 5. On PN 11F6521, choose label corresponding to the country and affix it on frame as shown on figure.

10.5 Power Supply Installation (if required)

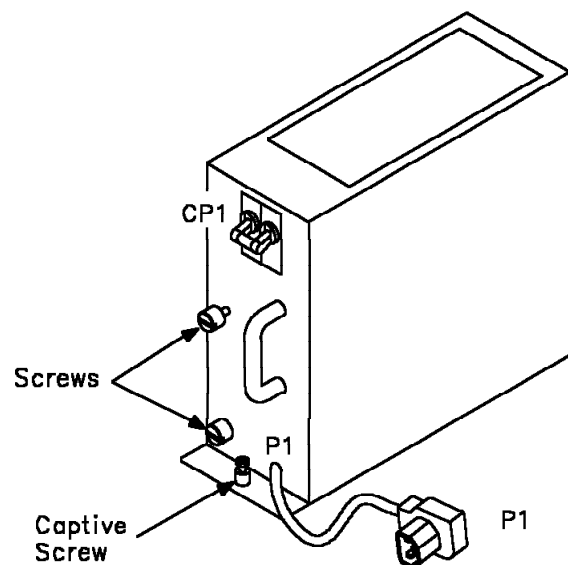
- If you have installed an adapter in an **ODD** position (1 or 5), you must install a line adapter power block (PSTY4).
- If you do not install a PSTY4, go to Step 10.6, "Covers."

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.

10.5.1 PSTY4 Installation



1. Locate the position of the PSTY4 to be installed (see table in Step 4.0, "Preparation" on page 3).
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.

10.6 Covers

1. Slide down door 'A' on the left side of the adapter enclosure. See the second figure in Step 10.3, "HPTSS Installation" on page 9.
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 16.
- Otherwise, continue.

10.7 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

Note: During the following procedures some Alarm messages may be displayed on the screen, these can be removed by clicking on **OK**.

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” on page 14.
- 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.”
- Otherwise, go to Step 11.1.3, “Create the Power Configuration Table.”

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.”
- 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: 2 for HPTSS. If you have installed the first HPTSS in 3745-X10, press **F6** and continue. If it does not, press **F1** and go to step 11.1.6, “Run the Diagnostics” on page 15.
4. Enter **1** (DISPLAY/UPDATE), press **Send/Enter**.
5. Enter **5** (SWITCH), press **Send/Enter**. Verify the DMSW presence in CCU A and CCU B (if installed). Press **F1**.

11.1.6 Run the Diagnostics

- ___ 1. Enter **ODG**, press **Send/Enter**.
- ___ 2. Enter **7** (HPTSS).
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."
- 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 6.

- Go to Step 11.1.11, "General IPL."

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, cabling the IOC/DMA buses.

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 11.1.2, "Open MOSS/MOSS-E Session" on page 14.
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**.

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 6.
- ___ 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 17.

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."
- 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**.

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 Concurrent Diagnostics

1. Enter **CDG**, press **Send/Enter**.
2. Enter **7** (HPTSS), 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.

11.2.5 RE-IML the Scanner

1. Enter **IMS**, press **Send**.
2. Enter **SXX** (XX being the LA number), press **Send**.
When the operation is completed, the scanner is connected to NCP.

Note: Repeat this Step for the adjacent scanner if required.

11.2.6 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**.

11.2.7 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 11.2.9, “Log the Service Processor off” on page 17.
- Otherwise, continue.

11.2.8 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).”

11.2.9 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**.

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.



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Processing Options

Runtime values:

Document fileid	P57G7487 SCRIPT
Document type	PNCDOC
Document style	FBII
Profile	EDFPRF30
Service Level	21Jun90
SCRIPT/VS Release	3.2.1
Date	93.06.18
Time	13:30:54
Device	3820A
Number of Passes	2
Index	YES
SYSVAR G	INLINE
SYSVAR P	3820
SYSVAR R	XREF
SYSVAR U	FNT382SS
SYSVAR W	XREF

Formatting values used:

Annotation	NO
Cross reference listing	YES
Cross reference head prefix only	NO
Dialog	LABEL
Duplex	SB
DVCF conditions file	(none)
DVCF value 1	(none)
DVCF value 2	(none)
DVCF value 3	(none)
DVCF value 4	(none)
DVCF value 5	(none)
DVCF value 6	(none)
DVCF value 7	(none)
DVCF value 8	(none)
DVCF value 9	(none)
Explode	NO
Figure list on new page	YES
Figure/table number separation	YES
Folio-by-chapter	NO
Head 0 body text	(none)
Head 1 body text	(none)
Hyphenation	YES
Justification	NO
Language	ENGL
Layout	2
Leader dots	YES
Master index	(none)
Partial TOC (maximum level)	4
Partial TOC (new page after)	INLINE
Print example id's	NO
Print cross reference page numbers	YES
Process value	3820
Punctuation move characters	„
Read cross-reference file	XREF
Running heading/footing rule	NONE
Show index entries	NO
Table of Contents (maximum level)	3
Table list on new page	YES
Title page (draft) alignment	CENTER
Write cross-reference file	XREF

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