

## **Field Feature Bill of Material (FFBM)**

**PN 66X1366**

**REPLACE a Low Speed Scanner (TSS) by  
a High Speed Scanner (HPTSS)  
in IBM 3745 Models X10/X1A (RPQ 7L1056)**

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Reviewed by: B. Kelly

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## Before Installation (steps 1-8)

### Net Priced Feature

All parts removed from this machine are IBM property and must be returned to IBM.

- 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)

**Note:** In Domestic and APG areas, cables are provided thru the customer order.

## 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).

## 3.0 BMs to be Installed

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

- 66X1366 - Installation Instructions.
- 66X1365 - TSS replacement by HPTSS (RPQ 7L1056).

### 3.1 As required BMs

- 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)

## 4.0 Preparation

1. Familiarize yourself with the purpose and details of the installation instruction before negotiating machine time with the customer.
2. Check all items listed on the BM(s) to determine that all parts have been 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	G2 H2	J2 K2	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 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.

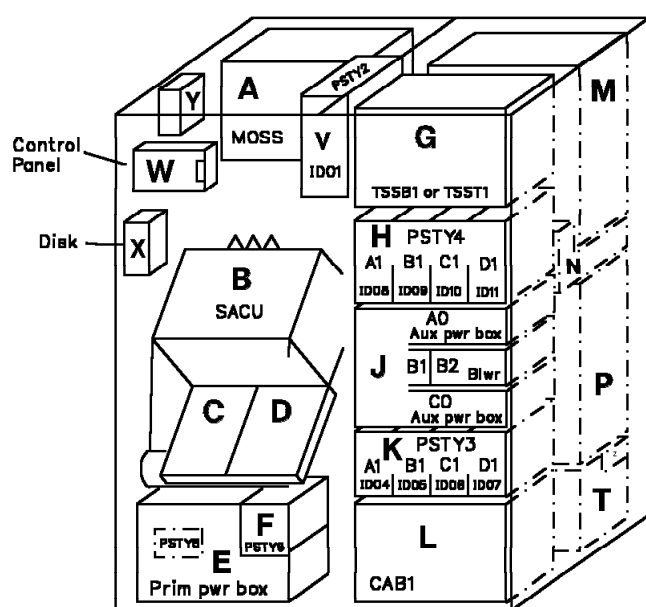
Select the procedure according to machine availability.

**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.

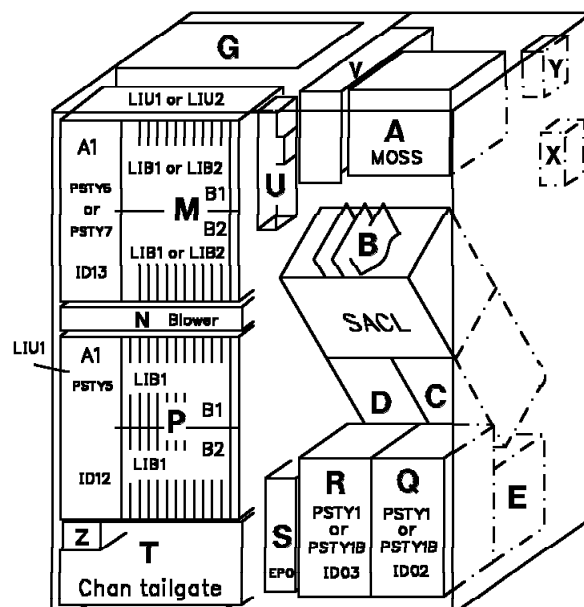
#### 6. For 3745-X1A and 3746-900:

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 14. 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

Replace a TSS by a HPTSS.

### 6.2 Description

- Remove TSS adapter cards.
- Install Adapter cards and cables.

## 7.0 Installation Time

FFBM	Machine Hrs.	System Hrs.
66X1365	1.3	00.0
TEST TIME	0.7	00.0
TOTAL TIME	2.0	

- 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).

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## 8.0 Tools/Materials Required

ESD kit (PN 6428316).

## Installation (steps 9-11)

### 9.0 Safety

- The replacement 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 this RPQ with the **3745 POWER ON**, go to Step 10.2, "RPQ Installation Online (3745 Power ON)" on page 7.
- Otherwise, continue.

### 10.1 RPQ 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 this RPQ 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 10.1.4, "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**.

#### 10.1.3.1 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.

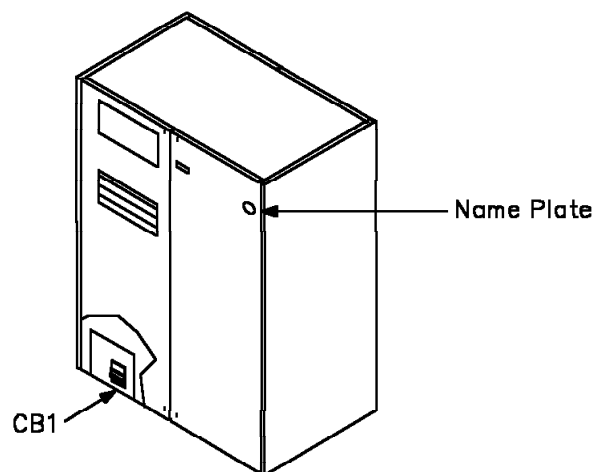
- \_\_\_ 1. Enter **CDF**, press **Send/Enter**.
- \_\_\_ 2. Enter **1** (DISPLAY/UPDATE), press **Send/Enter**.
- \_\_\_ 3. Enter **7** (LINE ADAPTERS (LA)), press **Send/Enter**.  
Check for the presence of a **Y** for the TSS position to be removed according to the *HONE configurator sheet* and tables in step 4.0, "Preparation" on page 3.  
Press **F1**.

### 10.1.5 Run the Diagnostics

- \_\_\_ 1. Enter **ODG**, press **Send/Enter**.
- \_\_\_ 2. Enter **3** (IOCB), press **Send/Enter**.
  - If **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, "TSS Adapter Removal" on page 9.

## 10.2 RPQ 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. Notify the customer to de-activate all the lines connected on the selected scanner.
- \_\_\_ 5. If the selected adapter is in an **EVEN** position, notify the customer to de-activate all the lines connected to the adjacent adapter fed by the same power supply (refer to table in Step 4.0, "Preparation" on page 3).

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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 this RPQ 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 a **Y** for the TSS position to be removed according to the *HONE configurator sheet*.  
Press **F1**.

## 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 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**.

## 10.2.6 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, "TSS Adapter Removal" 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**.

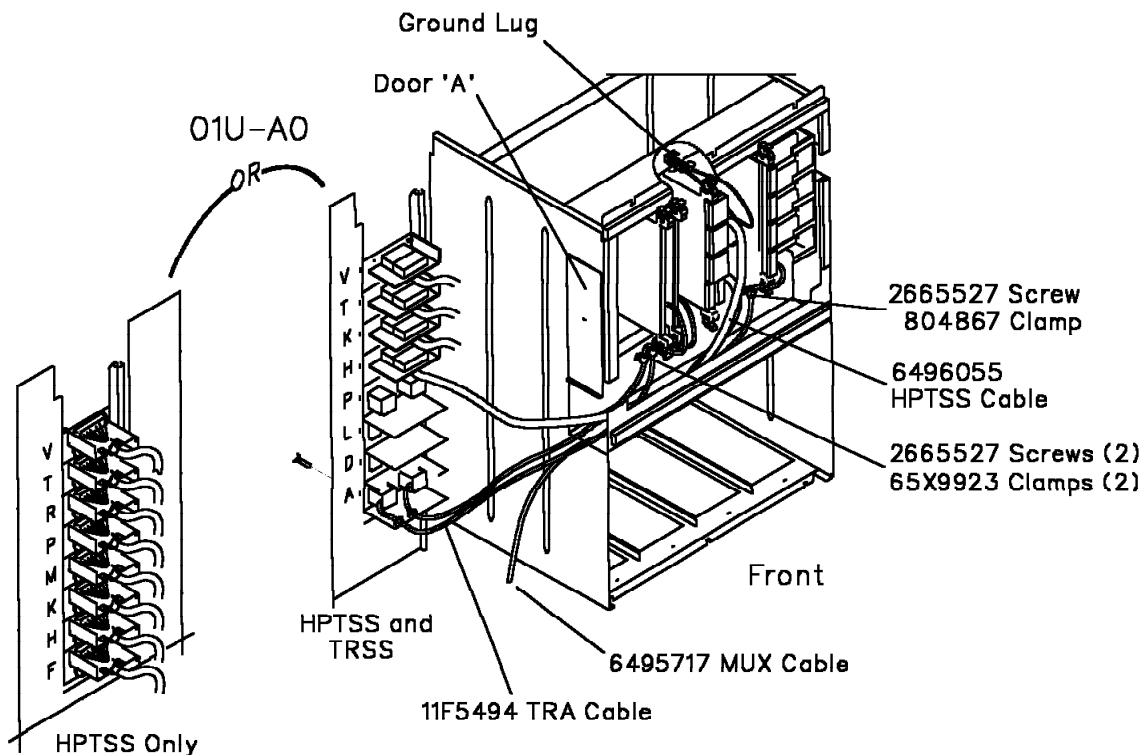
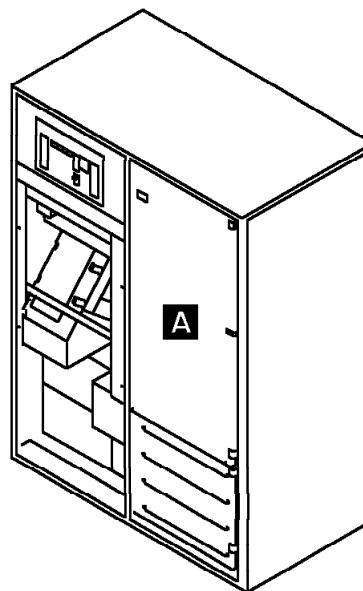
On the displayed screen, check that the status of the identified PSTY4 is UP, then, enter DXX (XX being the PSTY4 ID). Verify that the power supply goes to the **DOWN** state.

## 10.3 TSS Adapter Removal

**Note:** Follow existing ESD procedures when handling logic parts.

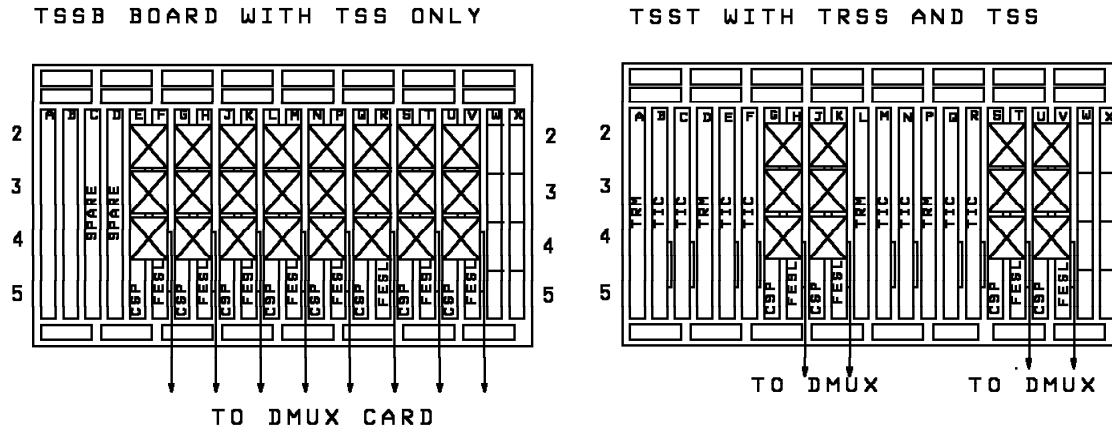
- \_\_\_ 1. Open the front system cover.

- \_\_\_ 2. If present open the shield A, locate the 01G-A1 board, then the adapter cards to be removed.
- \_\_\_ 3. Slide the door A on the left side of the gate 01G up.



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## 10.3.1 Cards Removal



- \_\_\_ 1. Unplug the 3 crossovers from the top of TSS cards.
- \_\_\_ 2. Unplug the 2 adapter cards then the MUX cable from FESL card.  
Insert the cards in the bags provided by FFB/M.
- \_\_\_ 3. Remove the clamp and its screw securing the MUX cable on 01G gate.

## 10.3.2 MUX Cable Removal

With the *HONE Configurator sheet* identify the frame, the LIU1 or LIU2 and the DMUX/SMUX card associated with the scanner.

You may also with page YZ839 determine the TSS/DMUX or TSS/SMUX relationship.

The line unit and the DMUX/SMUX card may be located in a 3746 line expansion frame.

- \_\_\_ 1. Open the system cover of identified frame and remove guard from the identified DMUX/SMUX card by loosening 4 screws.  
Save for re-install.
- \_\_\_ 2. Unplug MUX cable from DMUX/SMUX card then remove the cable from machine.

**Note:** DMUX/SMUX cards are located in position B0 of each LIC board.

If the DMUX/SMUX card is located in 3746 line frame, remove shields and covers over the raceways.

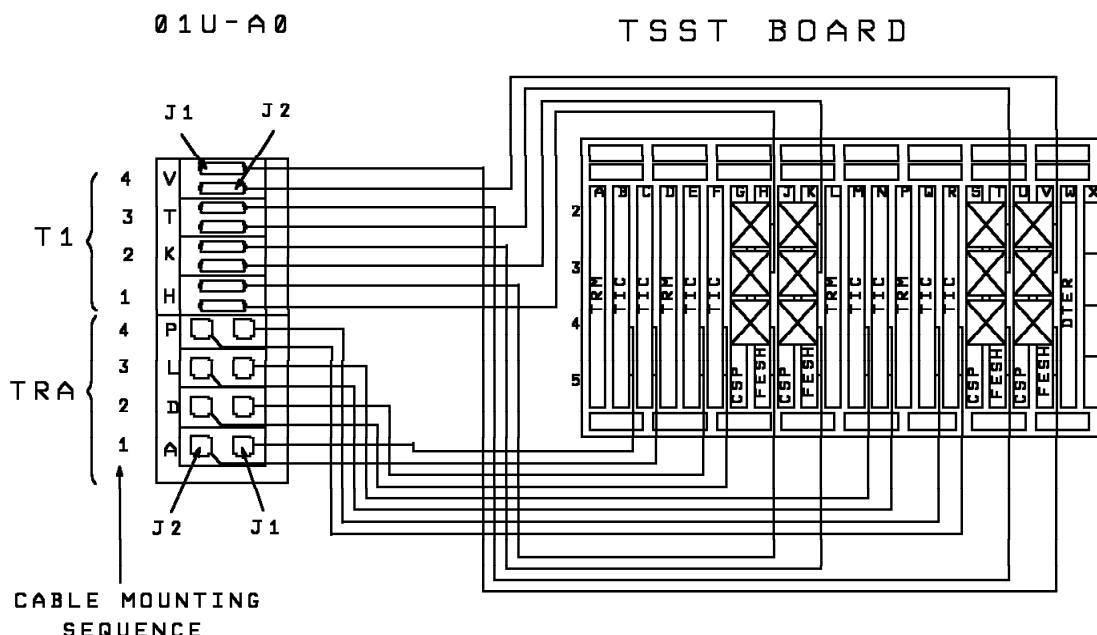
- \_\_\_ 3. Re-install all shields and covers removed in previous steps.

## 10.4 HPTSS Installation

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## 10.4.1 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.

## 10.4.2 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.
 

**Note:** Before plugging the FESH card in board, connect the HPTSS cable in sockets J1 and J2.
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.

## 10.4.3 External Cables

1. Connect the HPTSS external cable provided by FFBM 66X0084 or 66X0088 (EMEA only) in tail gate connector.
2. In domestic and APG/AG areas, 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 10.6, "Covers" on page 14.
- Otherwise, continue.

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## 10.5 First HPTSS in 3745 (210/310/410/610)

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

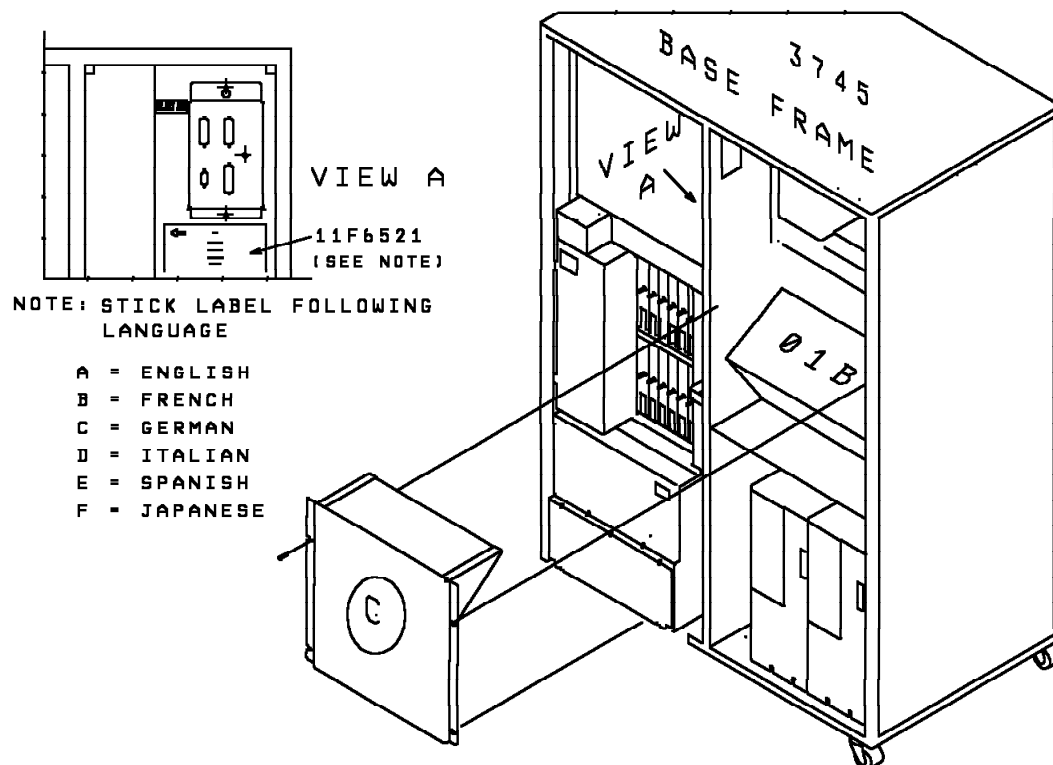
At the installation of the first HPTSS in 3745-X10, you must install:

- 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).

### 10.5.1 DTER Card Installation

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

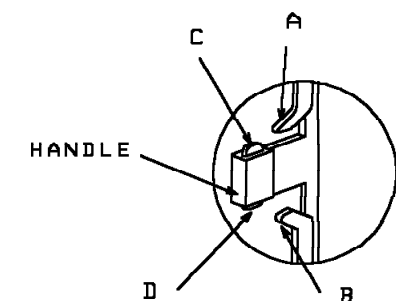
### 10.5.2 DMSW Card Installation



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From the rear of the machine:

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



CARD CLAMP MECHANISM

















SACU/SACL CARD LOCATIONS  
FOR MODELS 210/410

D O A O P H										H P O A O O									
UNUSED	UNUSED	UNUSED	STO	STO	SCTL	DMSW	IDSW	STER	UNUSED	UNUSED	STER	IDSW	DMSW	SCTL	STO	STO	UNUSED	UNUSED	UNUSED
S R G G P N M M										J H G G F E E D E									

WITH CCUB

WITH CCUA

SACU/SACL CARD LOCATIONS  
FOR MODELS 310/610

4NB 4NB 										         4NB 4NB													
STO	STO	SCT L 2 Δ	PUC  	DMSW  	IDSW 2 	STER W 	IDSW 2 	DMSW  	PUC	SCT L 2 Δ	STO	STO											
V U U S S Q Q P N M M J H G G E E C B B A B																							

WITH CCUB

WITH CCUA

- \_\_\_ 3. Install with care the DMSW card(s) (see figure for card clamp mechanism) as follows:
  - a. 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.
  - b. 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.

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## 10.6 Covers

- 1. Slide down door 'A' on the left side of the adapter enclosure. See the second figure in Step 10.3, "TSS Adapter Removal" on page 9.
- 2. Reinstall covers and shields opened in previous Steps.

- After RPQ 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

### 11.1 Test Procedures after Complete POWER OFF

- If you have installed the RPQ 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**.

- Go to Step 11.1.3, "Update the CDF."

#### 11.1.2 Open MOSS/MOSS-E Session

From the Service Processor:

- 1. Double click on the 3745 icon when it becomes PURPLE.
- 2. On the **3745 Menu** window, double click on **MOSS console**.

Wait for **Function Selection Rules** screen.

#### 11.1.3 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.

### 11.1.4 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 11.1.5, "Run the Diagnostics."
- \_\_\_ 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**.

### 11.1.5 Run the Diagnostics

- \_\_\_ 1. Enter **ODG**, press **Send/Enter**.
- \_\_\_ 2. Enter **7** (HPTSS). Enter the **Adapter Number**, press **Send/Enter**.
  - If **NO ERROR FOUND** is displayed, press **F1**.
  - If an error is displayed, see the *MIP*, Chapter 2, and follow the appropriate procedure.

### 11.1.6 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 the RPQ in a Model X1A, go to Step 11.1.8, "Relocate the Bypass Cards."
- Otherwise, continue.

### 11.1.7 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 11.1.10, "General IPL" on page 16.

### 11.1.8 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 +5V Cables'. Then, Chapter 5, perform steps 1, 2, and 5, to verify the CDF and test the IOC/DMA bus.

### 11.1.9 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 6.  
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**.

### 11.1.10 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).  
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 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**.

### 11.2.2 Update the CDF

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

### 11.2.3 Display the CDF

- 1. Enter **7** (LINE ADAPTERS (LA)), press **Send/Enter**.
- 2. A **2** is now displayed under the LA number.  
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/Enter**.
- 2. Enter **SXX** (XX being the LA number), press **Send/Enter**.  
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 function is completed, press **F1**.

- If you have installed the RPQ in a Model X1A, go to Step 11.2.9, "Log the Service Processor off."
- 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

All replaced/removed parts become the property of IBM. You **MUST RETURN** these parts following the instructions given on the Returned Material Equipment Report (RMER) provided with this FFBM.

## 15.0 Machine Records

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

End of instructions.

PN 66X1366 17 of 18	See EC History	EC A97885 16MAR90	EC A98318 05AUG91	EC D55651 07JUL93	EC D55799 16SEP94
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PN 66X1366 18 of 18	See EC History	EC A97885 16MAR90	EC A98318 05AUG91	EC D55651 07JUL93	EC D55799 16SEP94
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## Processing Options

### Runtime values:

Document fileid .....	P66X1366 SCRIPT
Document type .....	PNCDOC
Document style .....	FBII
Profile .....	EDFPRF30
Service Level .....	21Jun90
SCRIPT/VS Release .....	3.2.1
Date .....	94.09.14
Time .....	17:42:40
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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