

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

**PN 57G7490**

### **REMOVAL of a Low Speed Scanner (FC 4720) from IBM 3745 Models X10/X1A, and from IBM 3746 Models A11 and A12**

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Reviewed by: B. Kelly

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## Before Removal (steps 1-8)

### 1.0 Machines Affected

3745 Models 210/21A/310/31A/410/41A/610/61A  
and 3746 Models A11/A12.

### 2.0 Related BMs and ECs

None.

### 3.0 B/M(s) to be Used

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

#### 3.1 FFBMs to be Used

- 57G7490 - Installation instructions
- 66X0033 - Low Speed Scanner removal (TSS)

#### 3.2 As Required FFBMs

- 66X0038 - Line adapter power supply removal (if you remove a line adapter in odd position)
- 66X0055 - BPC1 card installation (following customer configuration)

### 4.0 Preparation

1. Familiarize yourself with the purpose and details of these removal instructions before negotiating machine time with the customer.
2. Check all the items and count the parts listed on the B/M to be used to determine whether all parts were received.

**Notes:**

- a. A 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. The TSSB and TSST boards are shared between 2 IOC buses.
    - IOC bus group 1 drives adapters positions 1 through 4.
    - IOC bus group 2 drives adapters positions 5 through 8 in each board.

3. Using the *HONE configurator sheet* and the following tables, identify the frame and the scanner enclosure where the adapter will be removed, then identify the position of adapter cards and power (if required) to be removed.
4. The TSS removal can be performed either online (concurrent mode, NCP running, 3745 power ON), or offline (complete machine power DOWN, MOSS ALONE).

**Important note**

1. The online removal of a TSS from 3745 Models X1A is disruptive for 3746-900 operations.
2. Ask the customer to deactivate all resources of the 3746-900 before removing the adapter.

Select the procedure according to the machine availability.

5. **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...).

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- Table 1: TSS adapter removal in TSST board (01G-A1 board only).

Adapt. Position	1	2	3	4	5	6	7	8
Inst. Sequence			1st	3rd			2nd	4th
CARDS CSP	N/A	N/A	G2	J2	N/A	N/A	S2	U2
IN 01G-A1 FESL	N/A	N/A	H2	K2	N/A	N/A	T2	V2
Power Supply (PSTY4)	N/A		09 01H-B1		N/A		11 01H-D1	

- Table 2: TSS adapter removal 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	E2	G2	J2	L2	N2	Q2	S2	U2
IN 01G-A1 FESL	F2	H2	K2	M2	P2	R2	T2	V2
Power Supply (PSTY4)	08 01H-A1		09 01H-B1		10 01H-C1		11 01H-D1	

- Table 3: TSS adapter removal in: 02A-A1 (adapter frame 2)  
or in: 02F-A1 (adapter frame 2)  
or in: 03F-A1 (adapter frame 3)

Adpt.pos.in 02A-A1	9	10	11	12	13	14	15	16
Power supply: ID (PSTY4) : Position	18 02B-A1		19 02B-B1		20 02B-C1		21 02B-D1	

Adpt.pos.in 02F-A1	17	18	19	20	21	22	23	24
Power supply: ID (PSTY4) : position	22 02G-A1		23 02G-B1		24 02G-C1		25 02G-D1	

Adpt.pos. in 03F-A1	25	26	27	28	29	30	31	32
Power supply: ID (PSTY4) : position	26 03G-A1		27 03G-B1		28 03G-C1		29 03G-D1	
Cards CSP	E2	G2	J2	L2	N2	Q2	S2	U2
Position in TSSB FESL	F2	H2	K2	M2	P2	R2	T2	V2

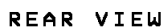


3745

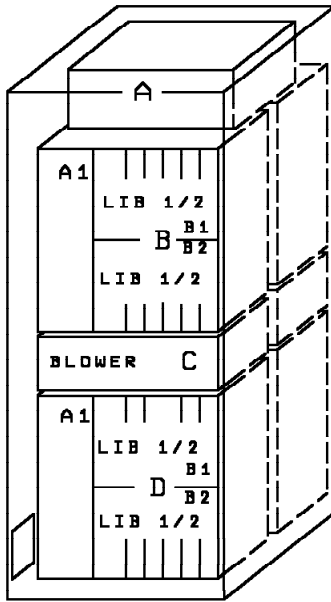


Rear View

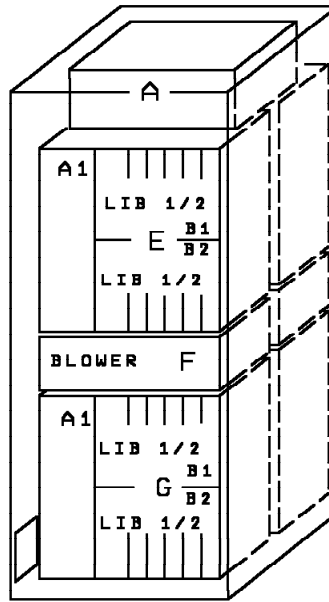
3746 A12



## 3746 MODEL L14/L15/L16



FRONT VIEW



REAR VIEW

## 5.0 Program Update

### 5.1 Diagnostic Programs

To reflect this change, 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.

## 6.0 Purpose and Description

### 6.1 Purpose

Remove a Low Speed Scanner (TSS).

## 6.2 Description

Remove adapter cards and associated power supply (if required).

## 7.0 Removal Time

FFBM	Machine hours	System Hours
66X0033 (TSS)		
with 66X0055 (BPC1)	1.0	00.0
66X0038 (power)	0.4	00.0
<b>Test Time</b>	0.6	00.0
<b>Total Time</b>	2.0	00.0

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

## 8.0 Tools/Materials Required

ESD kit (PN 6428316).

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## Removal (steps 9-11)

### 9.0 Safety

- The adapter removal 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 Removal

- If you are removing an adapter with the machine **POWER ON**, go to Step 10.2, "Adapter Removal Online (3745 Power ON)" on page 8.
- If you have complete machine availability for **POWER OFF**, continue.

#### 10.1 Adapter Removal Offline (3745 Power OFF)

Before the removal, ask the customer:

- To set all the lines and channel addresses offline for this controller.
- To deactivate all resources of the 3745 and the 3746-900 (if installed).
- 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 removing an adapter from 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 8.

##### 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.

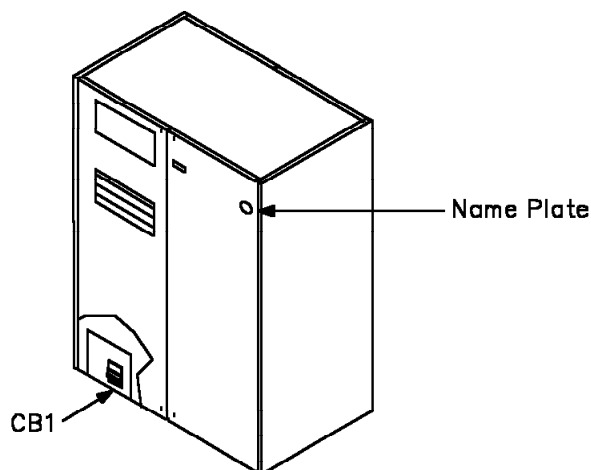
- \_\_\_ 1. Enter **CDF**, press **Send/Enter**.
- \_\_\_ 2. Enter **1** (DISPLAY/UPDATE), press **Send/Enter**.
- \_\_\_ 3. Enter **7** (LINE ADAPTERS (LA)), press **Send/Enter**.  
Check for the presence of a **Y** for the LA position to be removed according to the *HONE configurator sheet*. Press **F1**.

## 10.1.6 Run the Diagnostics

- \_\_\_ 1. Enter **ODG**, press **Send**.
- \_\_\_ 2. Select **IOCB**, enter **3**, press **Send**.
  - When **NO ERROR FOUND** is displayed, press **F1**.
  - If an error is reported, see the *MIP*, Chapter 2, and follow the 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, "TSS Removal" on page 10.

## 10.2 Adapter Removal Online (3745 Power ON)

Before the removal, 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 removed 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 removing an adapter from a Model X1A, go to Step 10.2.3, "Log the Service Processor on" 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" on page 9.



### 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 a **Y** for the LA position to be removed according to the *HONE configurator sheet*.

- \_\_\_ 3. Press **F1**.

- If you are removing an adapter from an **ODD** position (1 or 5), go to Step 10.3, "TSS Removal" on page 10.
- Otherwise, continue.

### 10.2.6 Adapter Disconnect from NCP

**Note:** If you remove an adapter from 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 **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**.

### 10.2.7 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, remove the associated adapter(s) (Step 10.3, "TSS Removal" on page 10) and restore power to that PSTY4 (UXX from POS screen). This sequence can be repeated for the remaining PSTY4(s).

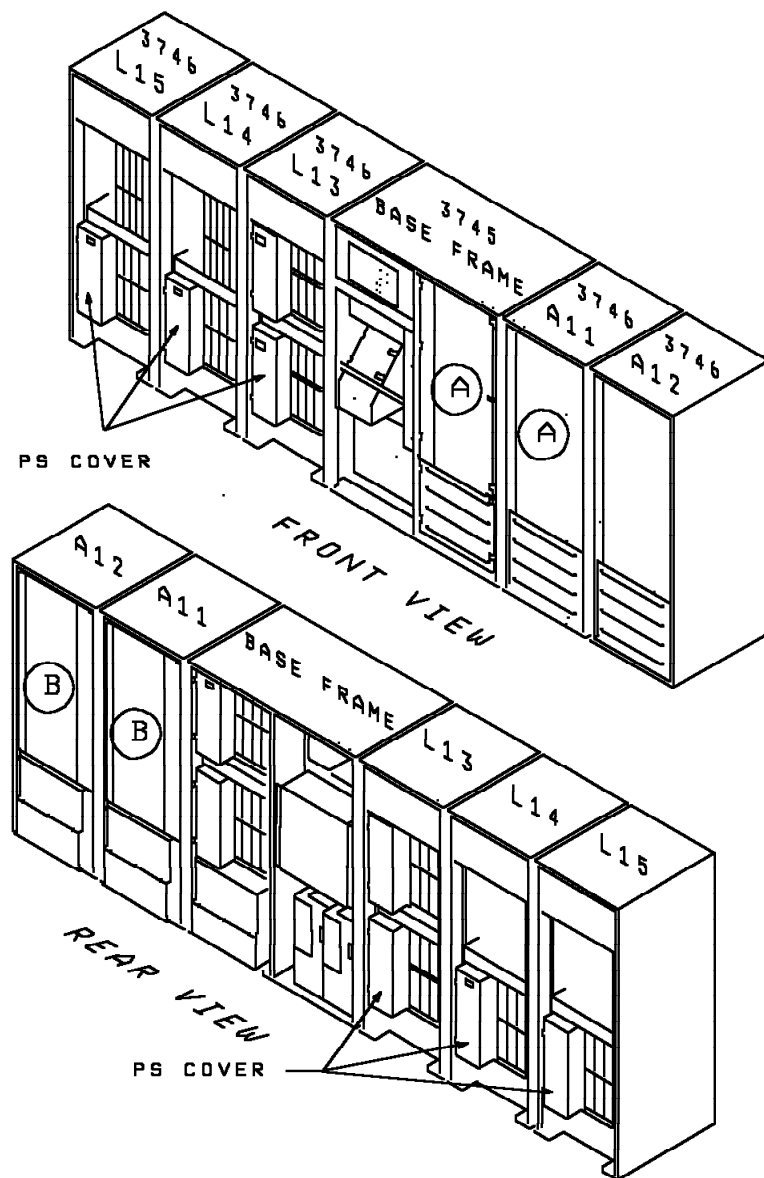
**Note:** If you remove an adapter from an **EVEN** position, you must power OFF the PSTY4 driving the adjacent **ODD** LA (see table in Step 4.0, "Preparation" on page 3).

- \_\_\_ 1. Enter **POS**, press **Send/Enter**.
- \_\_\_ 2. Enter **1** (Display 3745), 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).  
press **Send/Enter**.
- \_\_\_ 3. Enter **Y** (to confirm), press **Send/Enter**.  
Verify that the power supply goes to the **DOWN** state.

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## 10.3 TSS Removal

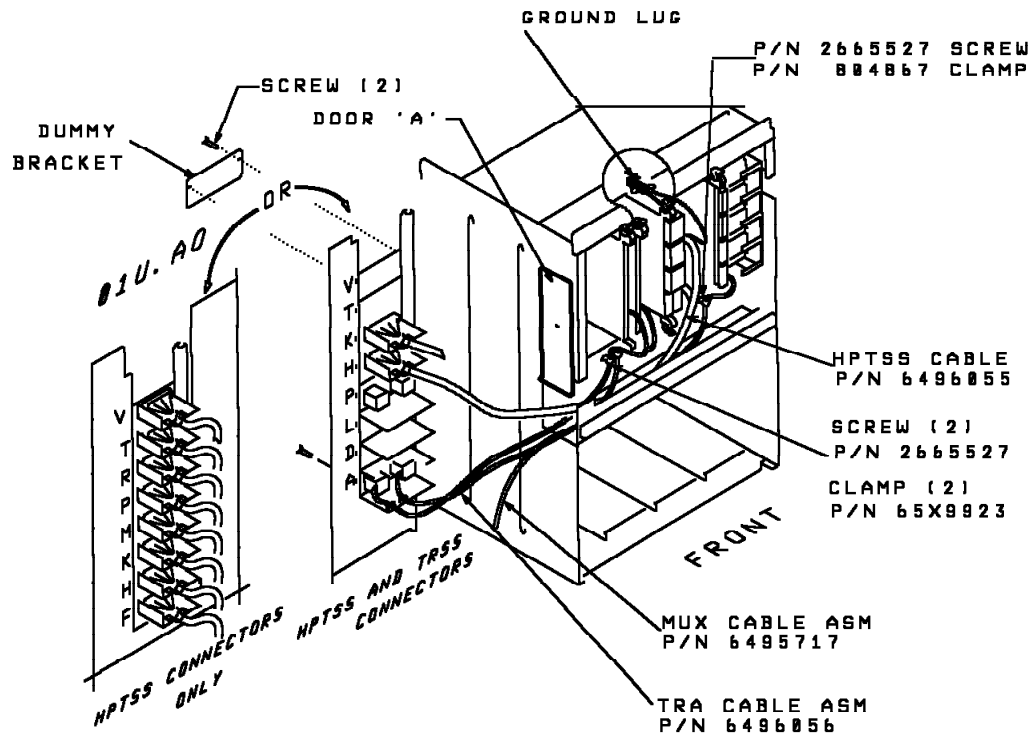
**Warning:** Follow the existing ESD procedures when handling logic parts.



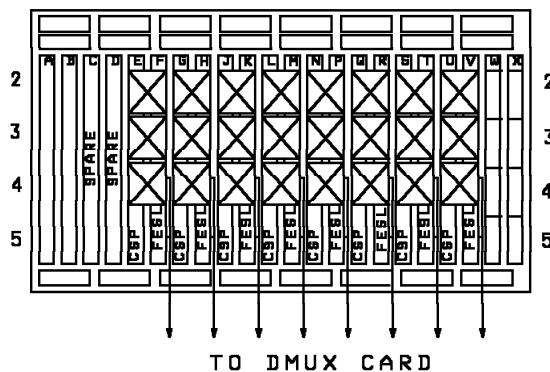
- \_\_\_ 1. With the *HONE configurator sheet* and the tables in Step 4.0, "Preparation" on page 3 identify the frame where the adapter will be removed.
- \_\_\_ 2. Open the corresponding system cover, then a shield (if present) and locate the line adapter enclosure (01G, 02A, 02F, 03F) where the adapter will be removed.

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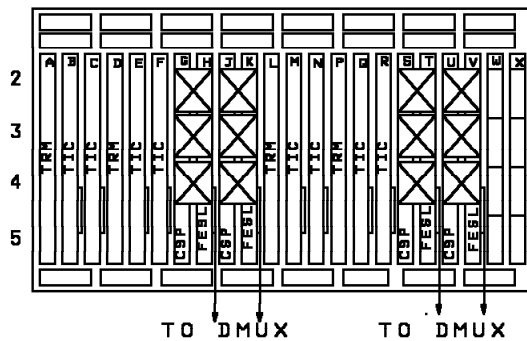
\_\_\_ 3. Slide the door marked 'A' up.



TSSB BOARD WITH TSS ONLY



TSST WITH TRSS AND TSS



### 10.3.1 Card Removal

- \_\_\_ 1. Identify the adapter cards; then unplug the 3 crossovers from the top connectors cards.
- \_\_\_ 2. Unplug the 2 TSS cards, then the MUX cable from the FESL card.  
Insert the removed cards into the bags provided by this FFB/M.

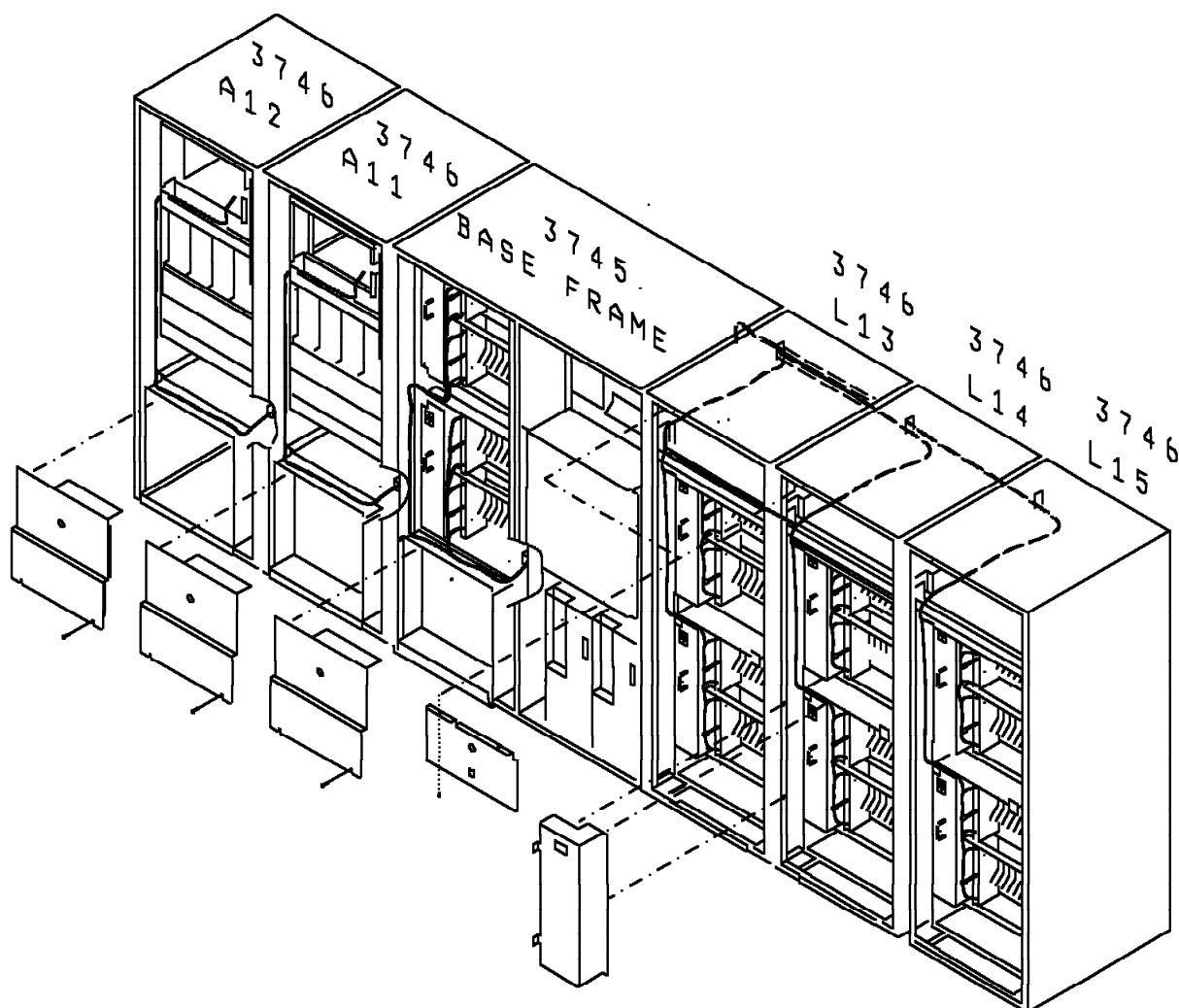
### 10.3.2 BPC1 Card Installation (if Required)

When you remove a TSS, the machine should be reconfigured; no hole is authorized. But, following the customer configuration, a BPC1 may be shipped.

- \_\_\_ 1. Mount the extender (PN 1953093) on the BPC1 card. Plug the card in place of the removed CSP card, position 4. Secure it with an intermix bracket (PN 1953110).
- \_\_\_ 2. Install one dummy card (PN 2733278) in FESL position.

### 10.3.3 MUX Cable Removal

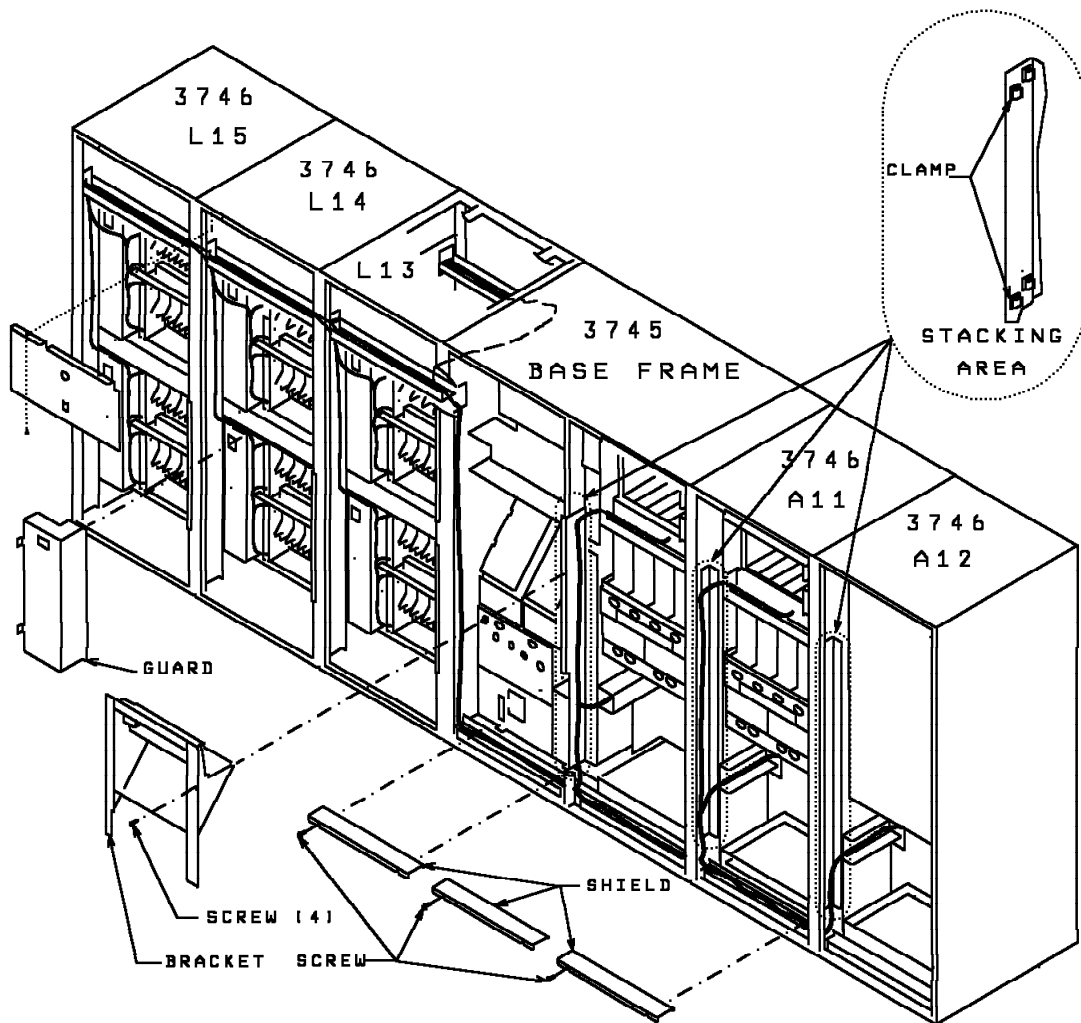
- \_\_\_ 1. Remove the clamp (PN 804867) (one screw) securing the MUX cable on the scanner enclosure.
  - With the *HONE configurator sheet*, identify and locate the LIU1 or LIU2, and the DMUX/SMUX card associated with the scanner.
  - You may use also YZ839 to determine the DMUX/SMUX/LINE ENCLOSURE/ SCANNER relationship.



- \_\_\_ 2. Open corresponding system cover; then, remove the guard over the identified DMUX/SMUX card (four screws).  
Save for the reinstallation.
- \_\_\_ 3. Unplug the MUX cable from the DMUX/SMUX card (socket W or Z), and remove the cable from the machine.

**Note:** The DMUX/SMUX card is located in position B0 of each LIB board.  
You may have to remove several covers on raceway or shields to remove the MUX cable.

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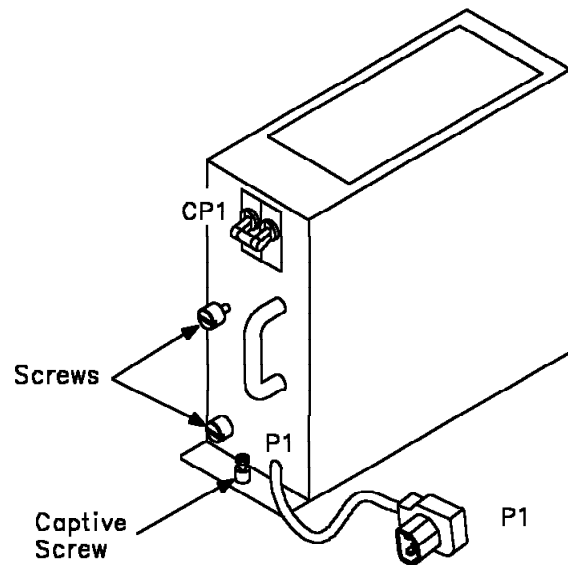


### 10.3.4 Power Removal

- If the complete 3745 is powered OFF, continue.
- Otherwise, go to Step 10.4, "Covers" on page 15.
- If you remove a line adapter from an odd position (1 or 5), and the next adjacent adapter position is empty, you must remove the associated power block (PSTY4).
- Otherwise, go to Step 10.4, "Covers" on page 15.

### 10.3.5 PSTY4 Removal (ODD Adapter, 3745 Power OFF)

- \_\_\_ 1. Under the enclosure where you have removed the adapter, identify (with table in Step 4.0, "Preparation" on page 3) the PSTY4 to be removed.
- \_\_\_ 2. On the PSTY4, set the CP1 OFF.
- \_\_\_ 3. Unplug the PSTY4 cable P1 from the connector (J1, J2, J3, or J4 of the auxiliary power box) just under the PSTY4.
- \_\_\_ 4. Unfasten the two front screws, then the captive screw at the bottom front of the power.



- \_\_\_ 5. Slide the PSTY4 out of the enclosure.
- \_\_\_ 6. Install a dummy bracket (PN 58X9377) with a screw (PN 2665527) in the same location.

### 10.4 Covers

- \_\_\_ 1. Slide down the door marked 'A' on the left side of adapter enclosure (see the second figure in Step 10.3, "TSS Removal" on page 10).
- \_\_\_ 2. Reinstall covers and shields removed in previous Steps.

- If you have removed the adapter with complete 3745 POWER ON, go to Step 11.2, "Test Procedure After an adapter Removal (3745 Power ON)" on page 17.
- Otherwise, continue.

### 10.5 Power ON

Switch **CB1** ON, and close the 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.

## 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 Procedure After Complete POWER OFF

- If you have removed an adapter from a Model X1A, go to Step 11.1.2, "Open MOSS/MOSS-E Session" on page 16.
- 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 removed a PSTY4, go to Step 11.1.4, "Update the CDF" on page 16.
- Otherwise, go to Step 11.1.3, "Create the Power Configuration Table" on page 16.

### 11.1.2 Open MOSS/MOSS-E Session

From the Service Processor:

- \_\_\_ 1. Wait until the 3745 icon becomes PURPLE.
- \_\_\_ 2. On the **3745 Menu** window, double click on **MOSS console**.

- If you have not removed 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**.
- \_\_\_ 3. When **Created power configuration table** is displayed, check that the ID of the PSTY4 you have removed is blanked (-).
- \_\_\_ 4. Enter a **Y** to confirm, press **Send/Enter**. 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 removed.
- \_\_\_ 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**.

An **N** should appear under the LA number you have just removed.  
Press **F1**.

### 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 the function is completed, press **F1**.

- If you have removed an adapter from a Model X1A, go to Step 11.1.8, "Relocate the Bypass Cards."
- Otherwise, continue.

### 11.1.7 Log the 3745-X10 Console off

Re-enable the channel adapters disabled in Step 10.1.2, "Log the 3745-X10 Console on" on page 7.

- Go to Step 11.1.10, "General IPL" on page 17.

### 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, cabling the IOC/DMA buses.



### 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 10.1.2, "Log the 3745-X10 Console on" on page 7.  
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 7.
- \_\_\_ 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 Removal (steps 12-15)" on page 19.

## 11.2 Test Procedure After an adapter Removal (3745 Power ON)

### 11.2.1 Set the Power Supply UP

**Note:** The PSTY4 must be powered on to allow the CDF update. On the local console: POS function screen.

- \_\_\_ 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 **Y** is still displayed under the LA you have just removed.
- \_\_\_ 3. Enter the LA number, press **Send/Enter**.
- \_\_\_ 4. Press **F5** (UPDATE).
- \_\_\_ 5. Enter **2** (DELETE LA), press **Send/Enter**.
- \_\_\_ 6. When **CDF LA CHANGE COMPLETED** is displayed, press **F6**.
- \_\_\_ 7. An **N** is now displayed under the LA number.  
Press **F1**.

- If you have removed an adapter from an **EVEN** position, go to Step 11.2.6, "Concurrent Diagnostics" on page 18.
- If you have removed an adapter from an **ODD** position (1 or 5), and if the next adjacent adapter position is empty, you must remove a PSTY4. Then, continue.

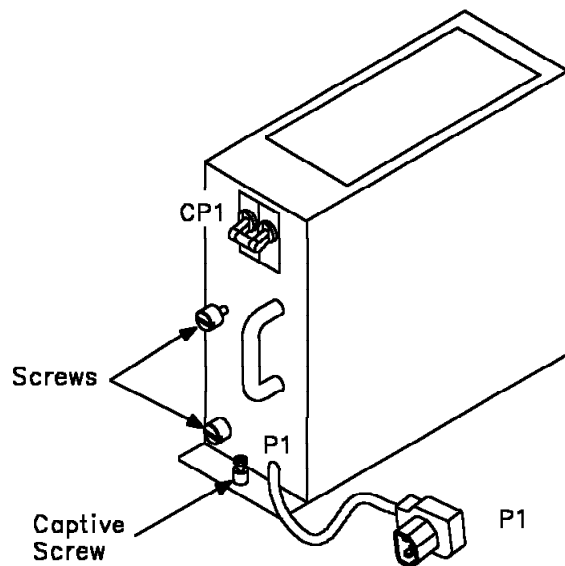
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### 11.2.3 Power OFF the PSTY4

- \_\_\_ 1. Enter **POS**, press **Send/Enter**.
- \_\_\_ 2. Select the frame where the PSTY4 is installed.  
The power status is **UP** for the identified PSTY4.
- \_\_\_ 3. Enter **DXX** (XX being the PSTY4 ID), to set the power **DOWN**.  
Verify that the PSTY4 goes to the **DOWN** state.  
Press **F6**.

### 11.2.4 PSTY4 Removal

- \_\_\_ 1. Under the enclosure where you have removed the adapter, identify (with table in Step 4.0, "Preparation" on page 3) the PSTY4 to be removed.
- \_\_\_ 2. On the PSTY4, set the **CP1** OFF.
- \_\_\_ 3. Unplug the PSTY4 cable P1 from the connector (J1, J2, J3, or J4 of the auxiliary power box) just under the PSTY4.
- \_\_\_ 4. Unfasten the two front screws, then the captive screw at the bottom front of the power.



- \_\_\_ 5. Slide the PSTY4 out of the enclosure.
- \_\_\_ 6. Install a dummy bracket (PN 58X9377) with a screw (PN 2665527) in the same location.

### 11.2.5 Create the Power Configuration Table

- \_\_\_ 1. Enter **C** (CREATE), press **Send/Enter**.  
Verify that the ID of the PSTY4 you have removed is blanked (-).
- \_\_\_ 2. Enter a **Y** to confirm, press **Send/Enter**.  
Press **F1**.

### 11.2.6 Concurrent Diagnostics

None.

### 11.2.7 Adapter Reconnect to the NCP

- \_\_\_ 1. Enter **TRS**, press **Send/Enter**.
- \_\_\_ 2. Enter **1** (SELECT), press **Send/Enter**.  
Enter the adapter number, press **Send/Enter**.
- \_\_\_ 3. Move the cursor to the data entry area, enter **2** (CONNECT/DISC).  
Press **Send/Enter**.  
Enter **CT** (CONNECT), press **Send/Enter**.
- \_\_\_ 4. Press **F1**.

Notify the customer to re-activate all the rings attached to the TRSS.

### 11.2.8 Set the MOSS Offline

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

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

### 11.2.9 Save Hard Disk Contents Onto the Backup Set of Diskettes

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

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- If you have removed an adapter from a Model X1A, go to Step 11.2.11, “Logoff the Service Processor” on page 19.
- Otherwise, continue.

### 11.2.10 Logoff the 3745-X10 Console

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

- Go to Step “After Removal (steps 12-15).”

### 11.2.11 Logoff the Service Processor

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

## After Removal (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.**



Headings			
<u>id</u>	<u>File</u>	<u>Page</u>	<u>References</u>
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SP3	P57G7490 SCRIPT	7	10.1.2, Log the 3745-X10 Console on 16, 17
SP1	P57G7490 SCRIPT	7	10.1.3, Log the Service Processor on 7
CDF1	P57G7490 SCRIPT	8	10.1.5, Display the CDF 7
PO	P57G7490 SCRIPT	8	10.1.7, Power OFF
BB	P57G7490 SCRIPT	8	10.2, Adapter Removal Online (3745 Power ON) 7
SP2	P57G7490 SCRIPT	9	10.2.3, Log the Service Processor on 8
CDF2	P57G7490 SCRIPT	9	10.2.5, Display the CDF 8
EE	P57G7490 SCRIPT	9	10.2.6, Adapter Disconnect from NCP
FF	P57G7490 SCRIPT	9	10.2.7, Power OFF the PSTY4
CC	P57G7490 SCRIPT	10	10.3, TSS Removal 8, 9, 9, 15
JJ	P57G7490 SCRIPT	15	10.4, Covers 14, 14
AA	P57G7490 SCRIPT	15	11.0, Test Procedures
SP6	P57G7490 SCRIPT	16	11.1.2, Open MOSS/MOSS-E Session 15
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## Processing Options

### Runtime values:

Document fileid .....	P57G7490 SCRIPT
Document type .....	PNCDOC
Document style .....	FBII
Profile .....	EDFPRF30
Service Level .....	21Jun90
SCRIPT/VS Release .....	3.2.1
Date .....	93.06.18
Time .....	13:05:35
Device .....	3820A
Number of Passes .....	4
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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Page 7	LOGONSP
Page 7	PRESSEND
Page 8	LOGONSP2
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