Field Feature Bill of Material (FFBM)

PN 57G7489

INSTALLATION of a Low Speed Scanner (FC 4720) in IBM 3745 Models X10/X1A and in IBM 3746 Models A11 and A12

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Before Installation (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 Installed

- 57G7489 - Installation Instructions
- 66X0031 - Low speed scanner installation (TSS).

As required FFB/M(s)

- 66X0037 - Line adapter power supply (if you install an adapter in an ODD position).
- 80G5106 - CSP Card Exchange.

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. 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.

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

Adapt. Position	1	2	3	4	5	6	7	8
Install. Seq. TSS			1st	3rd			2nd	4th
CARDS IN 01G-A1 CSP	N/A	N/A	G2	J2	N/A	N/A	S2	U2
FESL	N/A	N/A	H2	K2	N/A	N/A	T2	V2
Power Supply (PSTY4)	08 01H-A1		09 01H-B1		10 01H-C1		11 01H-D1	

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

Adapt. Position	1	2	3	4	5	6	7	8
Installation Sequence	1st	3rd	5th	7th	2nd	4th	6th	8th
CARDS IN 01G-A1 CSP	E2	G2	J2	L2	N2	Q2	S2	U2
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 installation 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

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

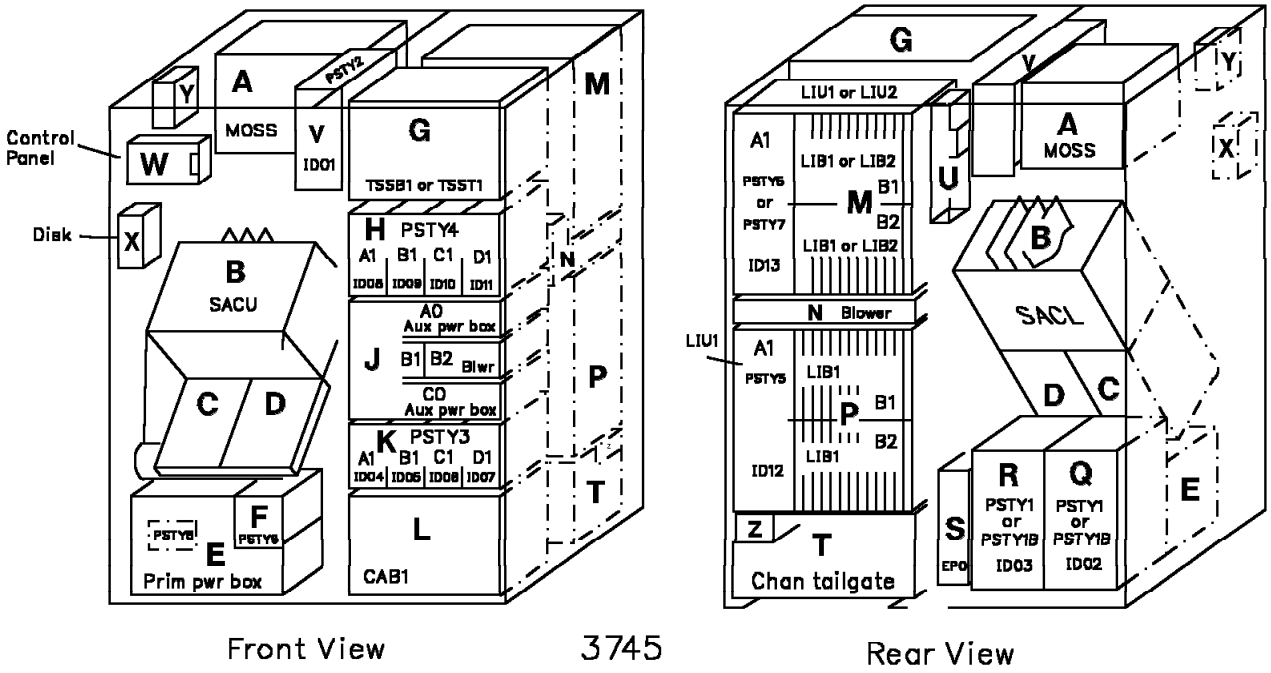
Important note

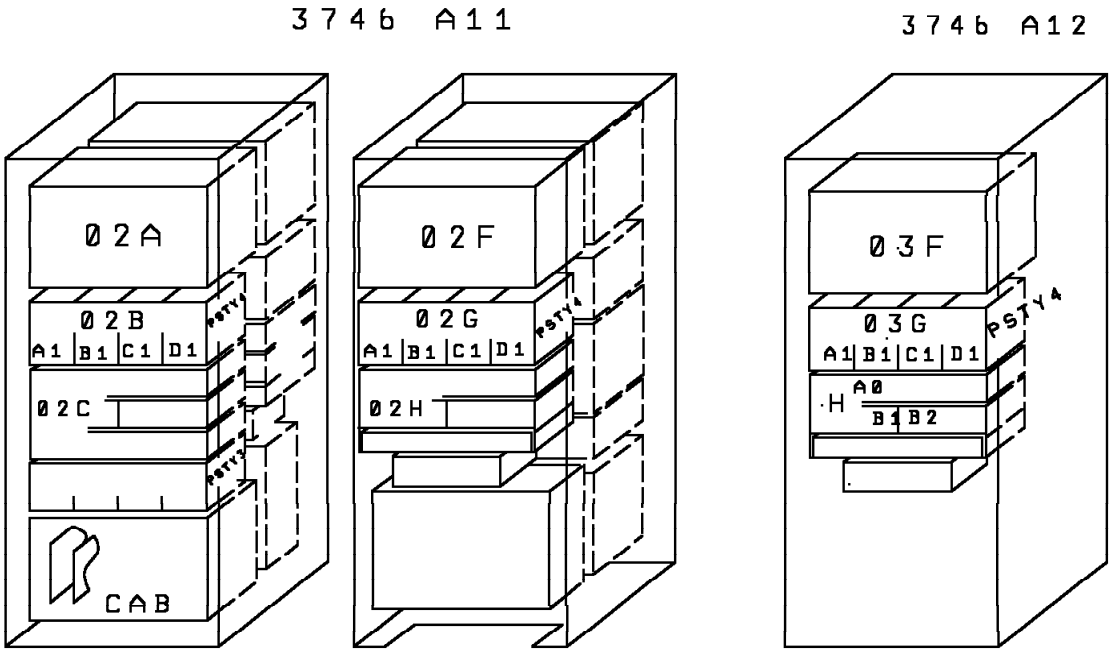
1. **The online installation of a TSS in 3745-X1A is disruptive for 3746-900 operations.**
2. **Ask the customer to deactivate all resources of the 3746-900 900 before installing the adapter.**

Select the procedure according to machine availability.

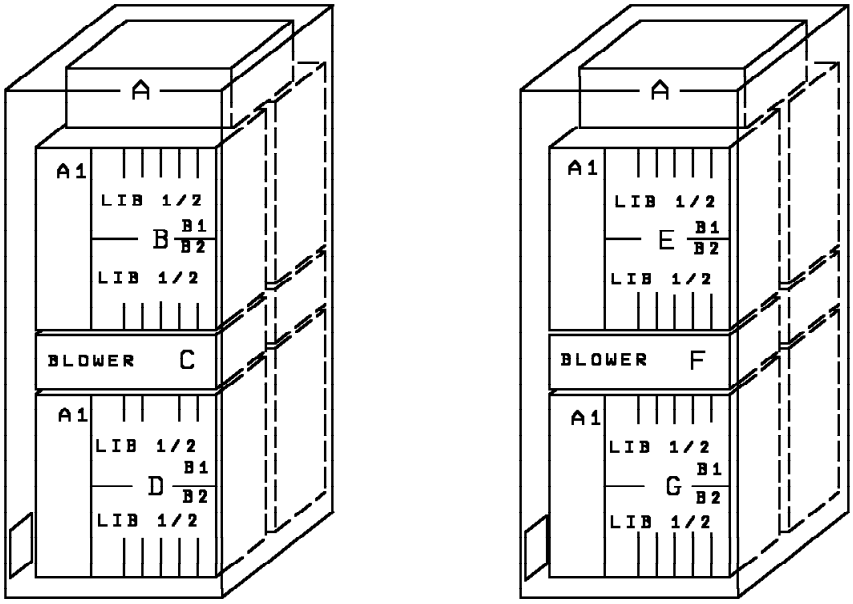
__ 5. If you install a TSS in a 3745/3746 housing an ALC feature (RPQ 7L1092), the first ALC feature on the IOC bus must be moved, and plugged in last position of adapters.
TSS feature will be plugged in place of the ALC feature.

__ 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...).


Control Panel
Disk
A
MOSS
PSTY2
V
ID01
G
TSSB1 or TSST1
M
W
Y
X
B
SACU
H PSTY4
A1 B1 C1 D1
ID08 ID09 ID10 ID11
N
A0
Aux pwr box
J
B1 B2 Blwr
C0
Aux pwr box
P
C
D
K PSTY3
A1 B1 C1 D1
ID04 ID05 ID06 ID07
T
PSTY6
F
PSTY6
E
Prim pwr box
L
CAB1
Front View
3745
G
LIU1 or LIU2
A1
PSTY6
or
PSTY7
ID13
LIB1 or LIB2
M
B1
B2
LIB1 or LIB2
U
Y
A
MOSS
Y
X
B
SACL
N Blower
LIU1
A1
PSTY5
LIB1
P
B1
B2
LIB1
ID12
D
C
E
Z
T
Chan tailgate
S
EPO
R
PSTY1
or
PSTY1B
ID03
Q
PSTY1
or
PSTY1B
ID02
Rear View


3746 A11
02A
02B
A1 B1 C1 D1
PSTY4
02C
PSTY3
CAB
02F
02G
A1 B1 C1 D1
PSTY4
02H
FRONT VIEW
REAR VIEW
3746 A12
03F
03G
A1 B1 C1 D1
PSTY4
H
A0
B1 B2
REAR VIEW

3746 MODEL L14/L15/L16



FRONT VIEW

REAR VIEW

5.0 Program Update

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.

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 Low Speed Scanner (TSS).

6.2 Description

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

7.0 Installation Time

To be reported as MES.

FFBM	Machine Hrs.	System Hrs.	Nbr of CE
66X0031 (TSS)	1.3	00.0	1
66X0037 (POWER)	0.4	00.0	
TEST TIME	0.7	00.0	
Total time: TSS with Power:	2.4		

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.
- 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 11.**
- **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 10.**
- **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**.

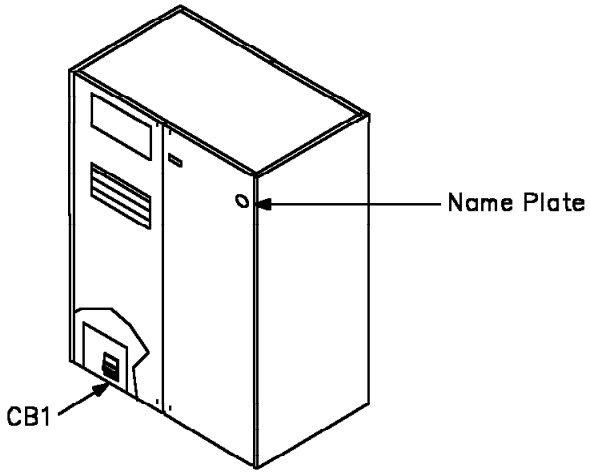
10.1.5 Run the Diagnostics

__ 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, "TSS Installation" on page 14.**

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."**
- **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, "TSS Installation" on page 14.**
- **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 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 Installation" on page 14) and restore power to that PSTY4 (UXX from POS screen). This sequence can be repeated for the remaining PSTY4(s).

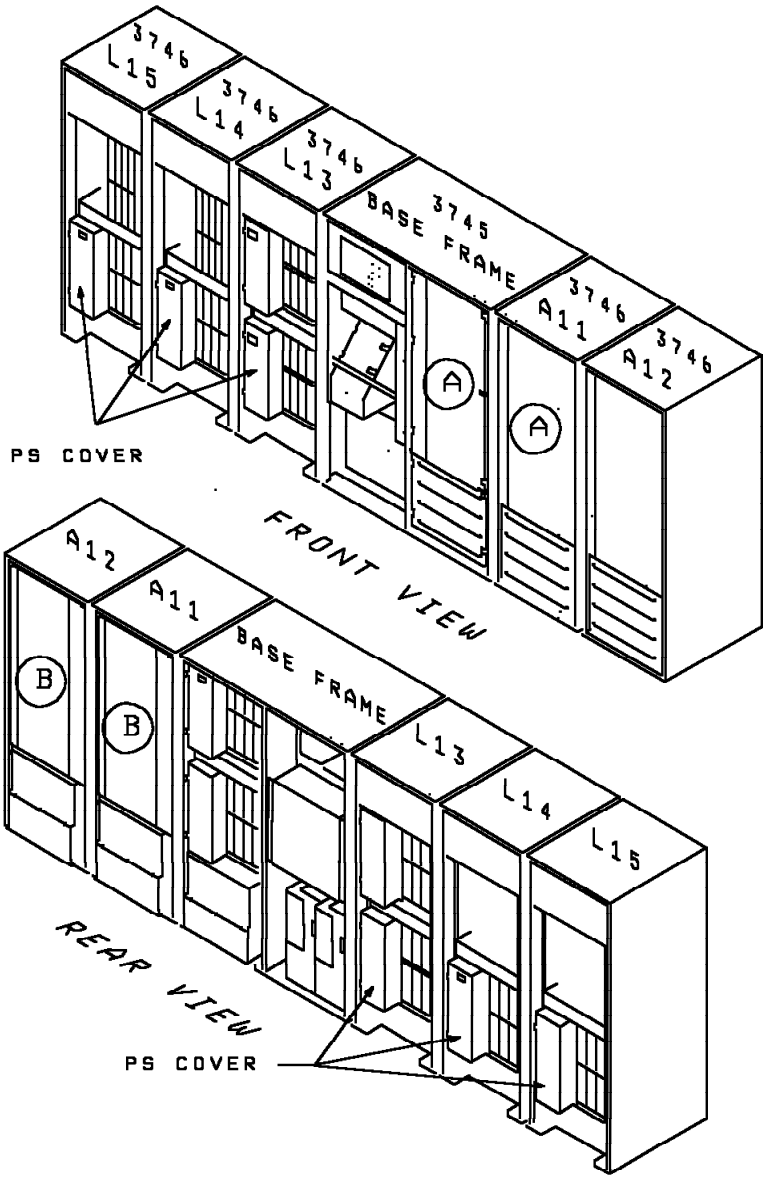
If you install an adapter in an EVEN position, you must power OFF the PSTY4 driving the adjacent ODD LA (see table in Step 4.0, "Preparation" on page 3).

__ 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 Installation



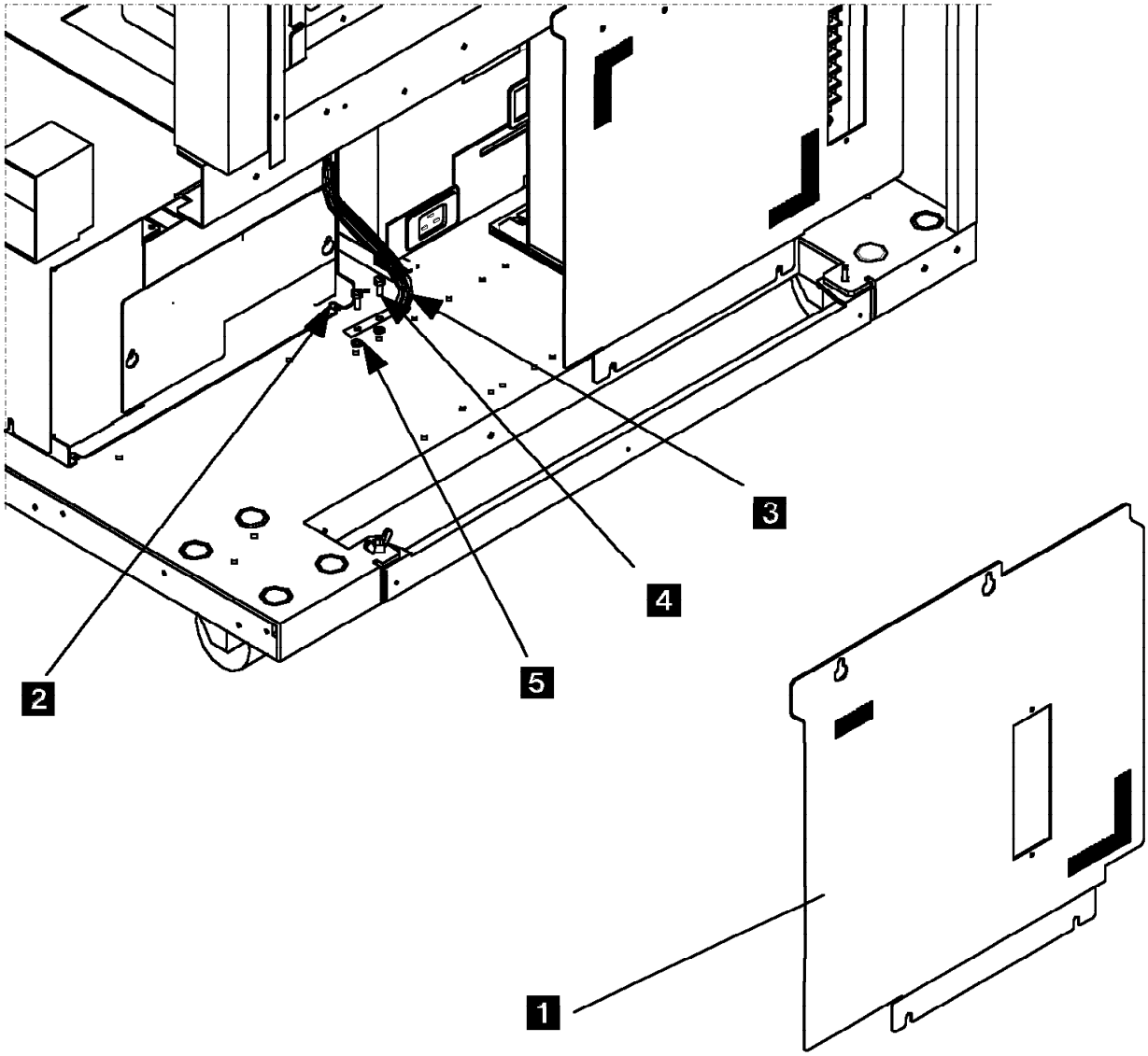
With the *HONE configurator sheet* and tables in Step 4.0, “Preparation” on page 3, identify the frame, and locate the adapter enclosure (01G, 02A, 02F, or 03F) where the adapter will be installed.

10.3.1 Card Installation

Warning: Follow existing ESD procedures when handling logic parts.

__ 1. Open the corresponding system cover and the shields A over the adapter enclosure.

__ 2. Remove dummy cards or IOC bypass card (BPC1) from position where feature will be installed according to the *HONE configurator sheet* and tables in Step 4.0, “Preparation” on page 3.



__ 3. Slide the door marked 'A' up.

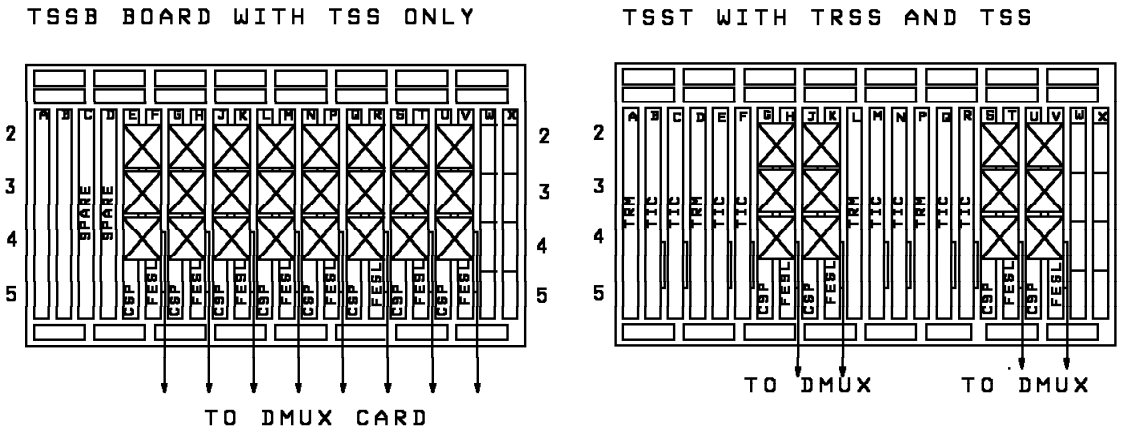
__ 4. Write the adapter position on label (PN 811825) and affix a label on both ends of MUX cable (PN 6495717 or PN 03F7712).

Note: MUX cable (PN 03F7712) is longer than PN 6495717, and must be used when connecting a Line Adapter in the 3746-A12 to a DMUX/SMUX card located in the front or rear bottom position of 3746-L15.

__ 5. Verify that holders (PN 1953244 (2)) are installed on TSS cards.

__ 6. Plug TSS cards in position determined in Step 4.0, “Preparation” on page 3.

Note: Before locking the FESL card, plug the MUX cable in connector J2 of the card.



__ 7. Plug the three crossovers on top card connectors W,X,Y of TSS cards.

10.3.2 MUX Cable Installation

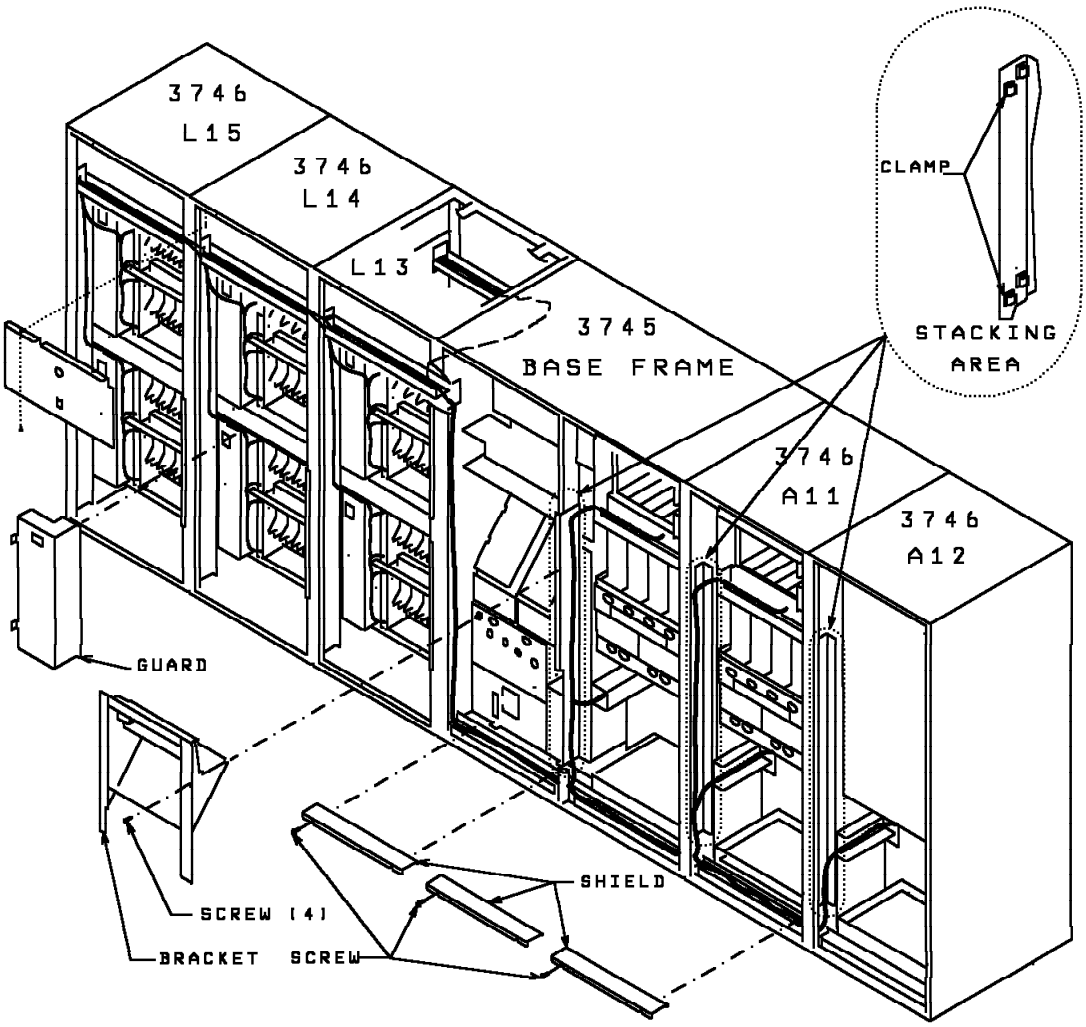
__ 1. Secure MUX cable with clamp (PN 804867) and screw (PN 2665527) on 01G gate.

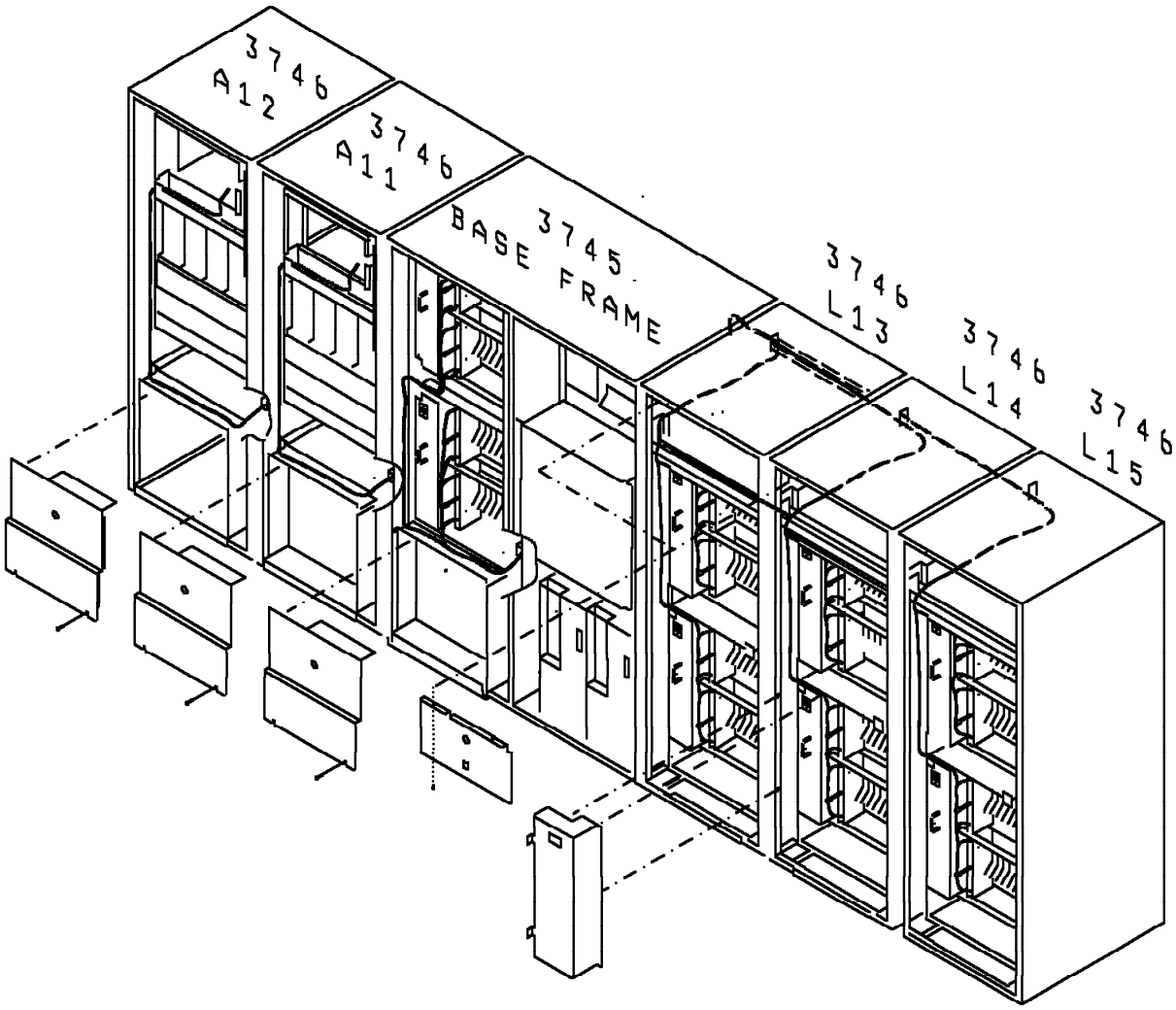
__ 2. Using the *HONE configurator sheet*, locate the line unit and the DMUX/SMUX card associated to the TSS.

Notes:

a. A DMUX card is plugged in position B0 of each LIB1 board. If only one MUX cable is connected on socket Z of DMUX card, the associated scanner will handle the full board (8 LICs). If a second MUX cable is connected on socket W, the two associated scanners will drive 4 LICs each.

b. A SMUX card is plugged in position B0 of each LIB2 board. SMUXA is plugged in bottom board of LIC Unit and SMUXB in top board. The scanner connected in SMUXA can drive the 2 LIC boards. If a second scanner is connected in SMUXB, each scanner will drive a LIC board.


3746
L15
3746
L14
L13
3745
BASE FRAME
3746
A11
3746
A12
CLAMP
STACKING
AREA
GUARD
SHIELD
SCREW (4)
BRACKET SCREW



Depending on the position of LIC unit, you may have to remove several shields or covers over raceways for a proper cable routing.

__ 3. Route the MUX cable from TSS enclosure to DMUX/SMUX card and plug the cable end in socket W of DMUX/SMUXB card or Z of DMUX/SMUXA card (see the *HONE configurator sheet*).

__ 4. Secure cable in clamps in stacking cable area.

10.4 Power Supply Installation (if required)

- **If you have installed an adapter in an ODD position (1 or 5) in 3745, you must install a line adapter power block (PSTY4).**
- **If you do not install a PSTY4, go to Step 10.5, "Covers" on page 20.**

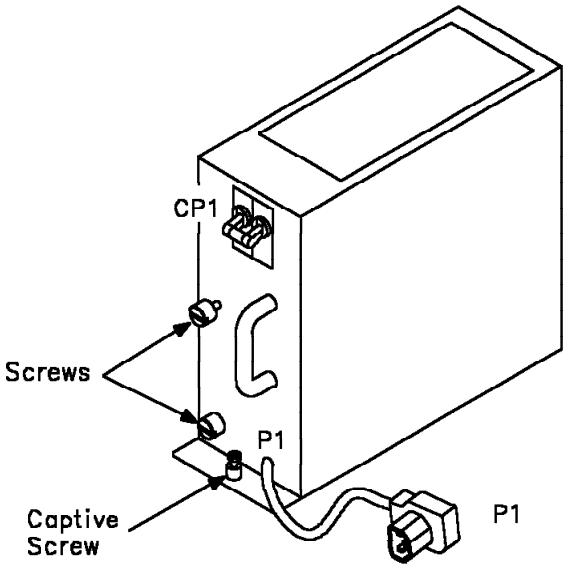
Note: A PSTY4 feeds 2 Line adapters.

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.

10.4.1 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.

10.5 Covers

__ 1. Slide down door 'A' on the left side of the adapter enclosure. See the second figure in Step 10.3, “TSS Installation” on page 14.

__ 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 23.**
- **Otherwise, continue.**

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” on page 21.**
- **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 21.**
- **Otherwise, go to Step 11.1.3, “Create the Power Configuration Table” on page 21.**

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: 1 for TSS.
Press **F1**.

11.1.6 Run the Diagnostics

__ 1. Enter **ODG**, press **Send/Enter**.

__ 2. Enter **5** (TSS).
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 10.

- **Go to Step 11.1.11, "General IPL" on page 23.**

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 +5V 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 10.
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 9.

__ 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 26.**

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 24.**
- **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

Note: Do not run concurrent adapter diagnostics if MCF m025A213 is applied. See RETAIN H093144 for details.

__ 1. Enter **CDG**, press **Send/Enter**.

__ 2. Enter **5** (TSS), 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 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**.

11.2.6 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 11.2.8, "Log the Service Processor off."**
- **Otherwise, continue.**

11.2.7 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 26.**

11.2.8 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 (As MES activity) and quality to existing procedures.

End of instructions.