Field Feature Bill of Material (FFBM)

PN 26F0292

INSTALLATION of an ALC (Air Line Control) scanner (RPQ 7L1092)

in IBM 3745 Models X10/X1A and 3746-A11/A12

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STATUS:

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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

2.1 Prerequisites

(Must be installed prior to this installation)

If you install an ALC scanner,

- EC A47544 must be present on all **CSP** cards already installed.
  Checkpoint: **CSP** card in 01G-A1 board must be (PN 11F5035) or later (ref: ZZ001).

- EC A47020 or later: Microcode.
  Checkpoint: Check label on **Normal and Backup** sets of diskettes.

- ACF/NCP V5 R2.1 with Air Line Control Interconnection (ALCI) FC 4471 (Basic OTC) or FC 4091 (Basic MTC).

2.2 Concurrent

(Must be installed together)
None.

2.3 Companion

(May be installed separately)
None.

3.0 BM(s) to be Installed

3.1 Install the following BMs

- FFBM 26F0292 - Installation Instructions

- FFBM 26F0284 - ALC scanner installation.

3.2 As required FFBMs

- FFBM 26F0311 - ALC documentation.
  This FFBM will be received with the First ALC feature on 3745/3746

- 66X0037 - Line adapter power supply
  (if you install an adapter in ODD position)

4.0 Preparation

__ 1. Familiarize yourself with the purpose and details of these installation instructions before negotiating machine time with the customer.

__ 2. Check all the items and count the parts listed on the BM to be installed to determine whether all parts were received.

__ 3. The ALC feature installation can be performed either ONLINE (concurrent mode with NCP running, MOSS ONLINE) or OFFLINE (complete machine power OFF, MOSS ALONE or OFFLINE).

> **Important note**
>
> 1. **The online installation of an ALC 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.

__ 4. **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...).

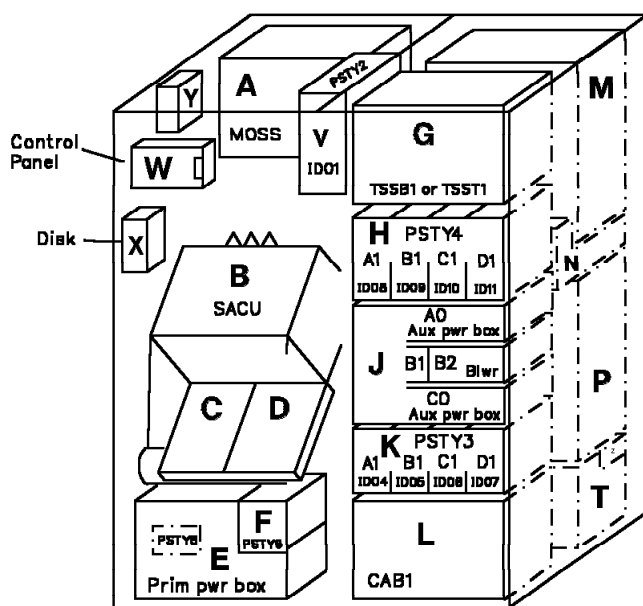| 3745 FFBM	PN 26F0292 3 of 20	EC A73231 21NOV89	EC A73231A 13DEC89	EC A97885 16MAR90	EC A98318 05AUG91	EC D55651 07JUL93

Notes:

1. Both Low speed scanners (FC4720) and ALC scanners (RPQ 7L1092) can be installed on a 3745/3746-A11/A12 system.

2. An ALC scanner must always be installed in last position of TSS chain after the TSSs.

3. A low speed scanner can not be installed after an ALC scanner. If a TSS must be added by MES, the first ALC scanner must be moved at the end of the adapters chain (in 3745 or 3746) and the TSS plugged at its place.

- Table 1 : ALC scanner installation in TSST board. (01G-A1 board only)

Adapt. Position	1	2	3	4	5	6	7	8
Cards in CSP 01G-A1 FALC	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	

- Table 2 : ALC scanner installation in TSSB board (01G-A1 only)

Adapt. Position	1	2	3	4	5	6	7	8
CARDS CSP IN 01G-A1 FALC	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	
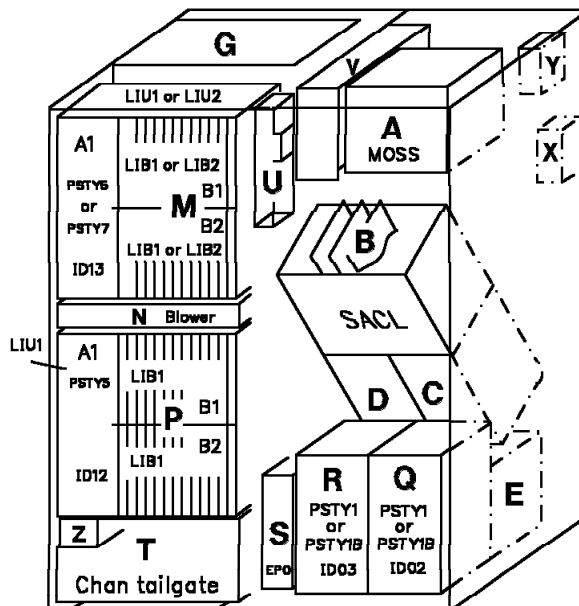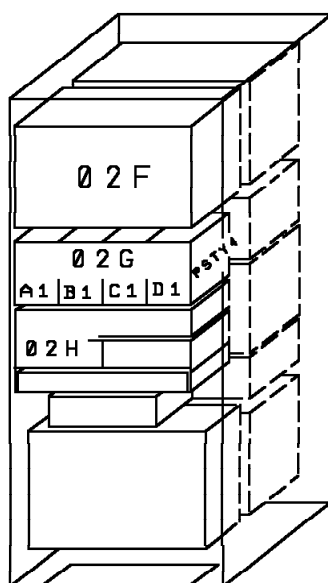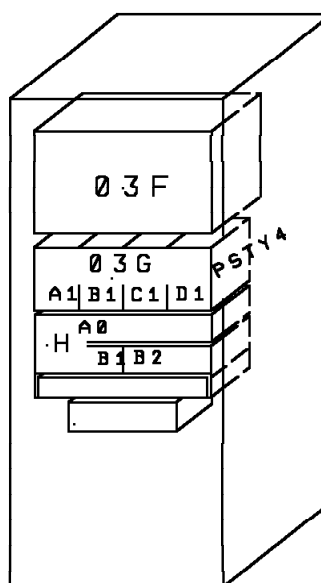
Front View   3745   Rear View

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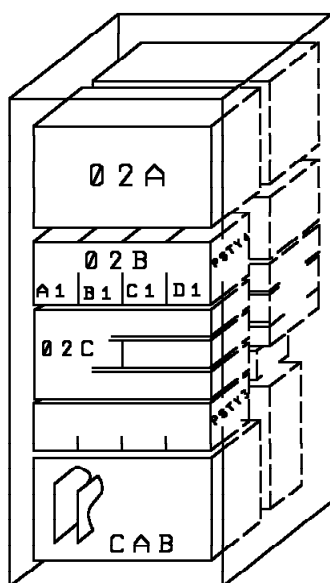- TABLE 3 : ALC adapter installation in 02A-A1 (adapter frame 2)
                                        02F-A1 (adapter frame 2)
                                        03F-A1 (adapter frame 3)

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 Position in CSP	E2	G2	J2	L2	N2	Q2	S2	U2
TSSB FALC	F2	H2	K2	M2	P2	R2	T2	V2

3746 A11   3746 A12

02A

02B
A1 B1 C1 D1

02C

CAB

FRONT VIEW

02F

02G
A1 B1 C1 D1

02H

REAR VIEW

03F

03G
A1 B1 C1 D1

H A0
B1 B2

REAR VIEW

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5.0 Programming

5.1 Diagnostic Programs

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

5.2 System Programs

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

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

6.0 Purpose and Description

6.1 Purpose

Install an ALC scanner (RPQ 7L1092).

6.2 Description

Install Adapter Cards, MUX cable.

7.0 Installation Time

```
 FFBM          Machine Hrs.    System Hrs.
26F0284          1.3              00.0
66X0037 (Power)  0.4              00.0

Test time        0.7
                 -----
Total time       2.0    with power: 2.4
```

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

8.0 Tools/Materials Required

None.

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 8.**
- **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.

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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
  3745-X1A or in a 3746-A11/A12 connected
  to a 3745-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."**

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 dis-
     played, 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**.

- If **NO ERROR FOUND** is displayed, press **F1**.

- If an error is reported, see the *MIP*, Chapter
  2, and follow appropriate procedure.

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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.

CB1

Name Plate
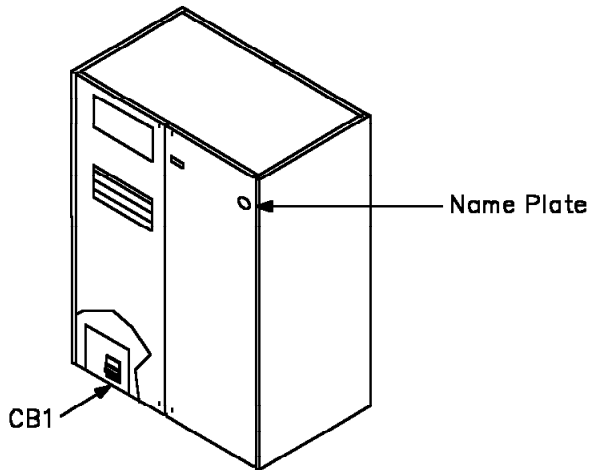
• **Go to Step 10.3, "ALC Installation" on page 10.**

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 3745-X1A or in a 3746-A11/A12 connected to a 3745-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 10.2.5, "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**.

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> - **If you are installing an adapter in an ODD position (1 or 5), go to Step 10.3, "ALC Installation" on page 10.**
>
> - **Otherwise, continue.**

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 -- Heading 'DD' unknown --). 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, "ALC Installation" on page 10) 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.

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10.3 ALC Installation
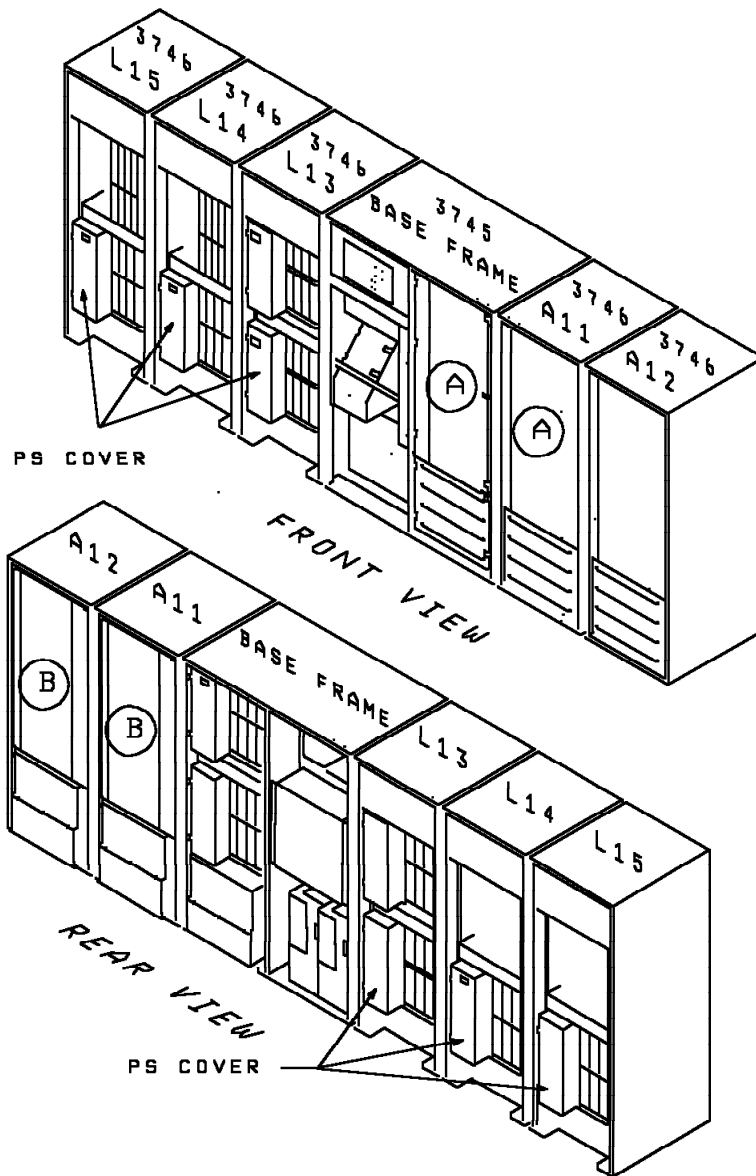
With the *HONE configurator sheet* and tables in Step 4.0, "Preparation" on page 3, identify the frame, and locate the adapter enclosure (O1G, 02A, 02F, or 03F) where the adapter will be installed.

10.3.1 MUX Cable

Write the adapter position on label (PN 811825) and stick a label on both ends of MUX cable (PN 6495717) (provided with this FFBM) or (PN 03F7712) (provided in the shipping of 3746 L15 line frame and, if you have to connect an ALC scanner located in 3746 A12 to a LIU located in the 3745 L15 in bottom position).

10.3.2 Card Installation

Warning: Follow existing ESD procedures when handling logic parts.

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


```
DOOR 'A'
                                    P/N 2665527 [1] SCREW
                                    P/N  804867 [1] CLAMP

MUX CABLE ASM
  P/N 6495717
                                           FRONT
```
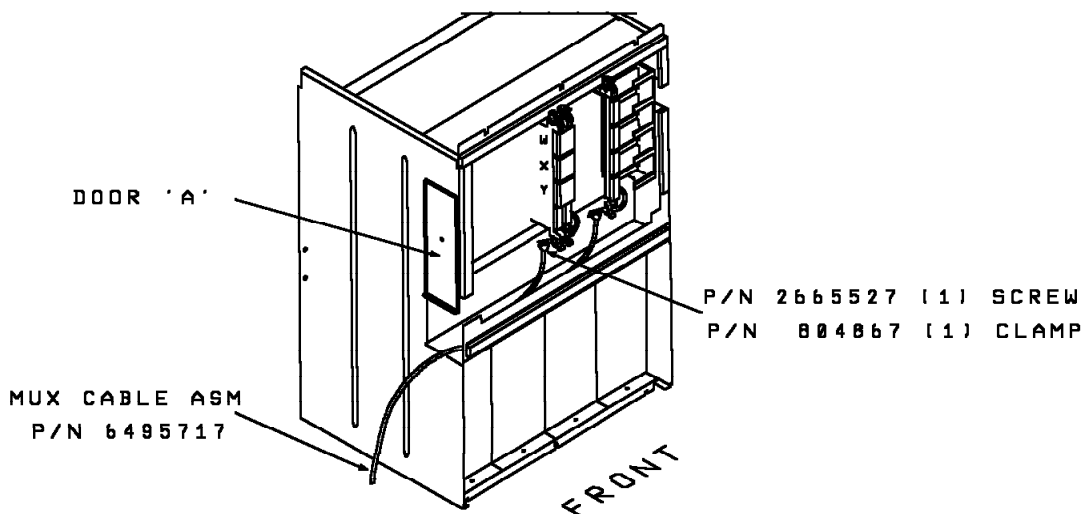
___ 2. Remove dummy cards or **BPC1** card from position where feature will be installed according to tables in Step 4.0, "Preparation" on page 3

___ 3. Slide the door **A** UP.

___ 4. Verify that holders (PN 1953244 (2)) are installed on scanner cards (provided by card group BM 26F0285).

___ 5. Plug ALC cards in positions determined in Step 4.0, "Preparation" on page 3.
Before plugging FALC card, plug the MUX cable in connector J2 of the card.

TSSB BOARD WITH TSS ONLY

TSST WITH TRSS AND TSS

TO DMUX CARD

TO DMUX   TO DMUX
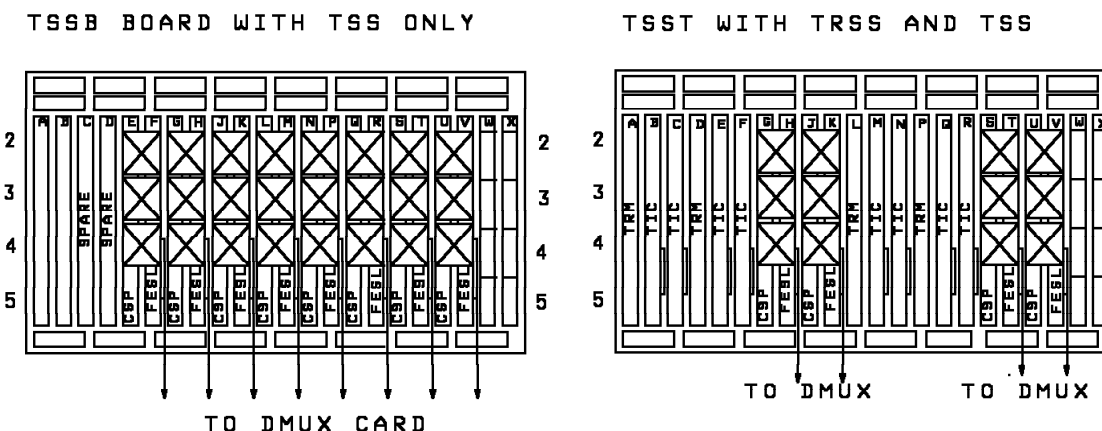
___ 6. Plug the 3 crossovers on top of card connectors W, X, Y of ALC scanner.

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10.3.3 MUX Cable Routing

__ 1. Install clamp (PN 804867) using screw (PN 2665527) to secure the cable in the gate.

__ 2. With the *HONE Configurator sheet*, locate the Line Unit and the DMUX/SMUX associated to the scanner.

3 7 4 6   M O D E L   L 1 4 / L 1 5 / L 1 6

FRONT VIEW   REAR VIEW
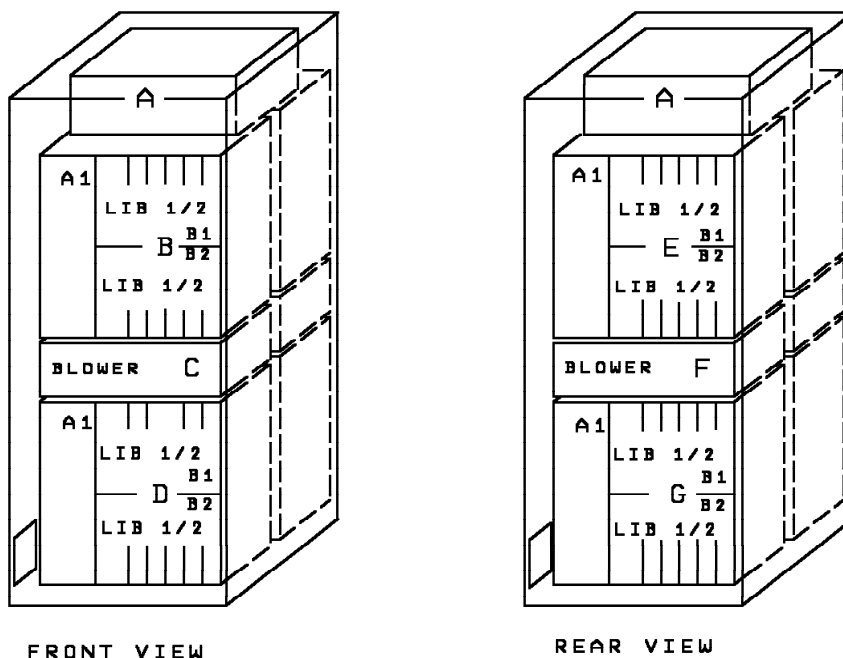
Notes:

a. A DMUX card is plugged in position B0 of each LIB1 board.

b. If only one MUX cable is connected on socket Z of DMUX card, the associated scanner will handle the full board (8 LICs).

c. If a second scanner MUX cable is connected on socket W, the two associated scanners will drive 4 LICs each.

d. 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.

e. If Only one scanner is plugged in SMUXA, it will drive the 2 LICs board.

f. If a second scanner is plugged in SMUXB, each scanner will drive a LIC board.

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

Note: Shields and Covers may not be present on newer machines.
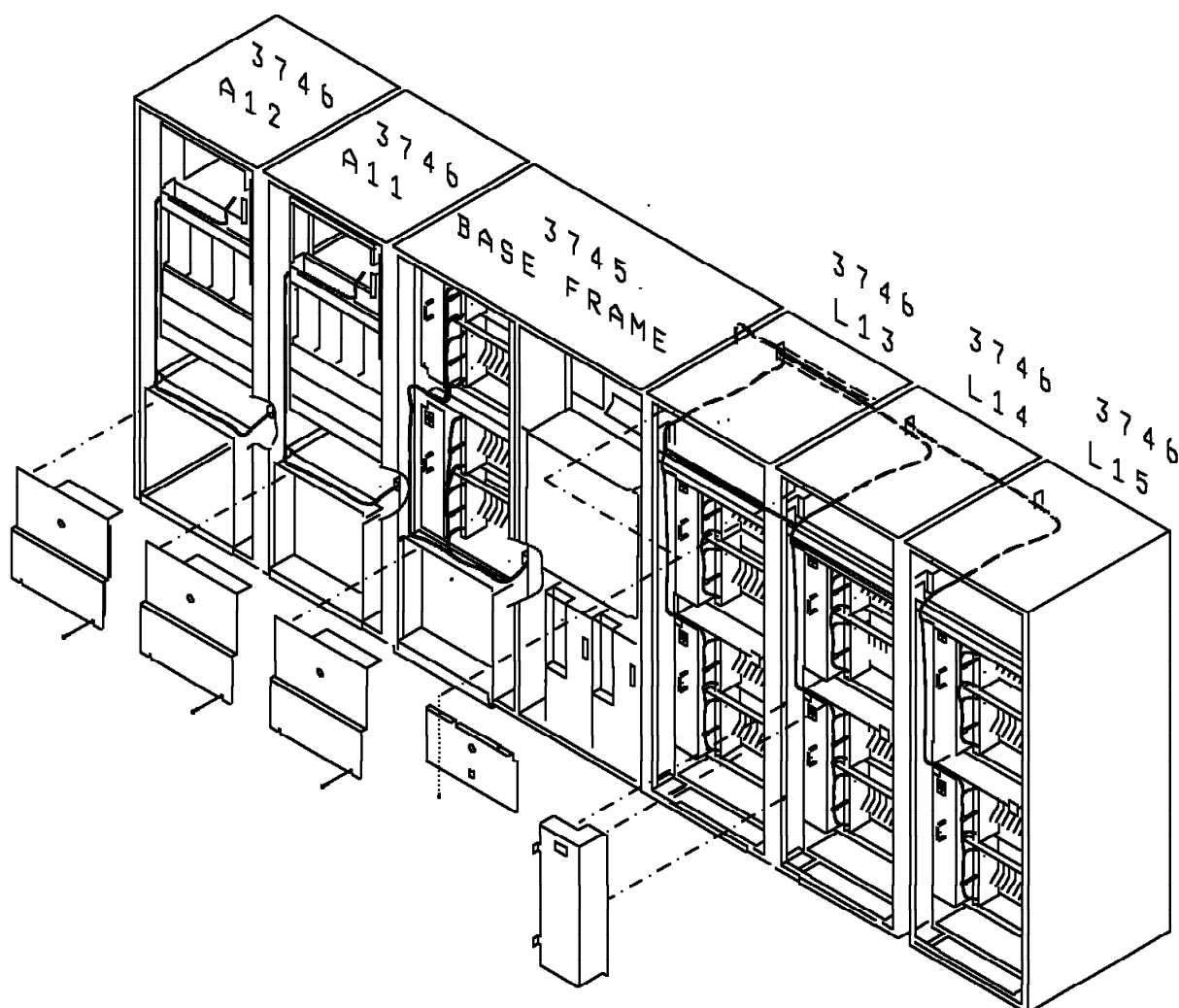
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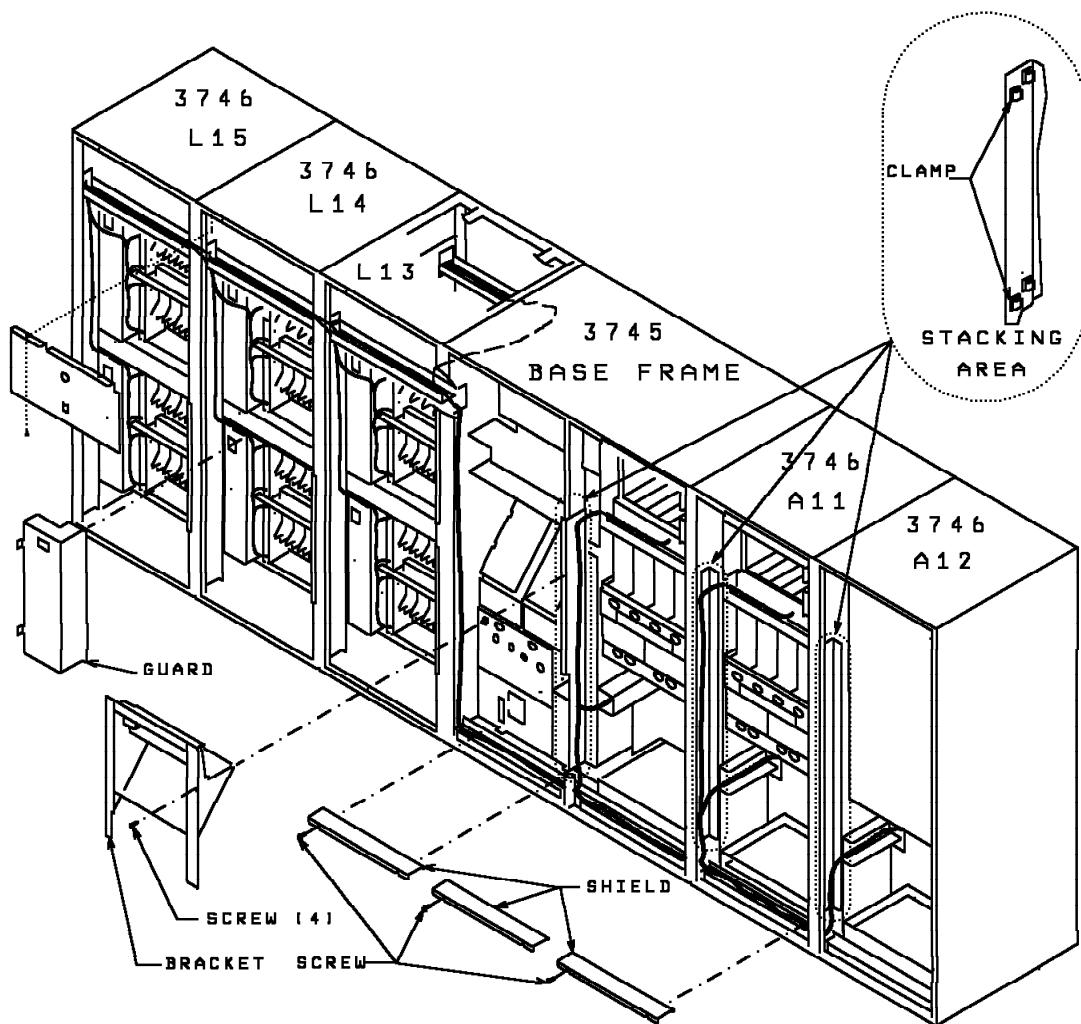
___ 3. Route MUX cable from scanner enclosure to DMUX/SMUX card and plug cable end of
DMUX/SMUX card (see the the *HONE configurator sheet*).
If cable length is excessive for your configuration, secure excess cable in stacking area.

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10.4 Power Supply Installation (if required)

- **If you have installed an adapter in an ODD position (1,3,5...) in 3745, you must install a line adapter power block (PSTY4).**

- **If you do not install a PSTY4, go to Step 10.5, "Covers."**

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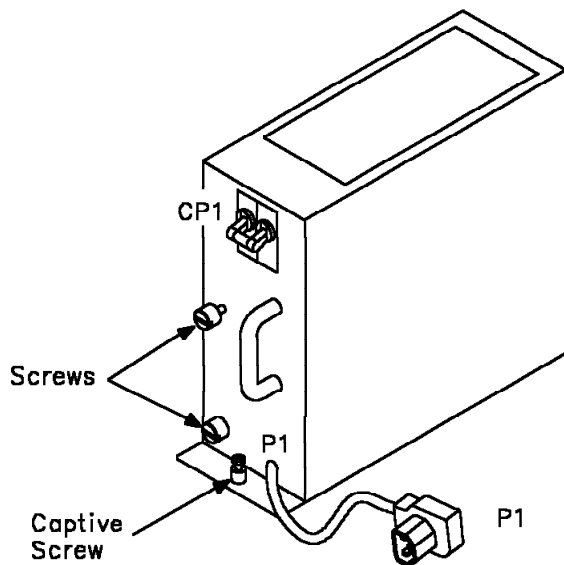
__ 1. Locate the position of the PSTY4 to be installed (see table in Step 4.0, "Preparation" on page 3).

__ 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, "ALC Installation" on page 10.

__ 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 18.**
>
> - **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

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

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11.1 Test Procedures after Complete POWER OFF

> - **If you have installed an adapter in a 3745-X1A or in a 3746-A11/A12 connected to a 3745-X1A, go to Step 11.1.2, "Open MOSS/MOSS-E Session."**
> - **Otherwise, continue.**

11.1.1 From the 3745-X10 Console

__ 1. When the **CA INTERFACE DISPLAY** screen is displayed, press **F4**.

__ 2. Enter the maintenance password, press **Send**.

> - **If you have not installed a PSTY4, go to Step 11.1.4, "Update the CDF."**
> - **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. Double click on the 3745 icon when it becomes PURPLE.

__ 2. On the **3745 Menu** window, 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**.

- If **NO ERROR FOUND** is displayed, press **F1**.
- If an error is displayed, see the *MIP*, Chapter 2, and follow the appropriate procedure.

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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 3745-X1A or in a 3746-A11/A12 connected to a 3745-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 7.

- **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 16.
     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 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 Installation (steps 12-15)" on page 19.**

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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

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**.

• If **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 3745-X1A or in a 3746-A11/A12 connected to a 3745-X1A, go to Step 11.2.8, "Log the Service Processor off" on page 19.**
>
> • **Otherwise, continue.**

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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)."**

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 and quality to existing procedures.

End of instructions.

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Runtime values:
```
        Document fileid  ......................................................................  P26F0292 SCRIPT
        Document type  ........................................................................  PNCDOC
        Document style  .......................................................................  FBII
        Profile  ......................................................................................  EDFPRF30
        Service Level  ........................................................................  21Jun90
        SCRIPT/VS Release  ...............................................................  3.2.1
        Date  ........................................................................................  93.07.07
        Time  ........................................................................................  12:53:09
        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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