

Field Feature Bill of Material (FFBM)

PN 76F9096

REMOVAL of an Ethernet Lan Adapter (FC 4780) from IBM 3745 Models X10/X1A

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Before Removal (steps 1-8)

1.0 Machines Affected

3745 Models 210/21A/310/31A/410/41A/610/61A.

2.0 Related BMs and ECs

None.

3.0 BM(s) to be Used

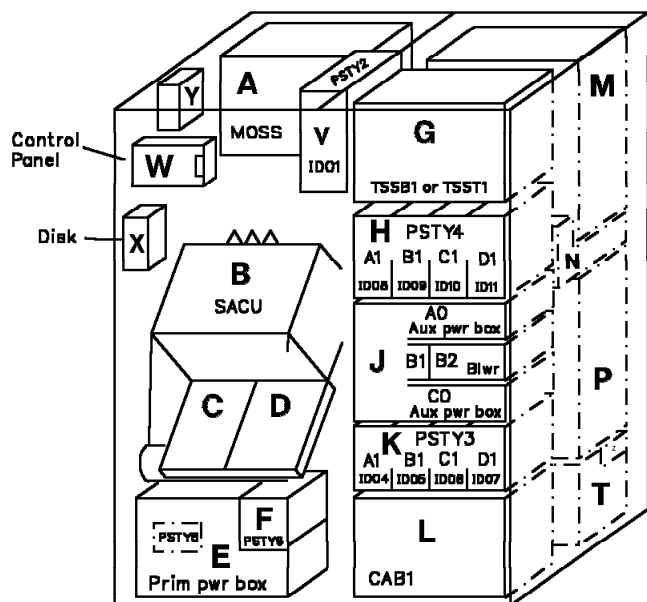
Note: Review each numbered item in this section to determine your needs.

3.1 FFBMs to be Used

- 66X1100 - ETHERNET Lan Adapter (ELA)
- 76F9096 - ELA Installation Instructions.

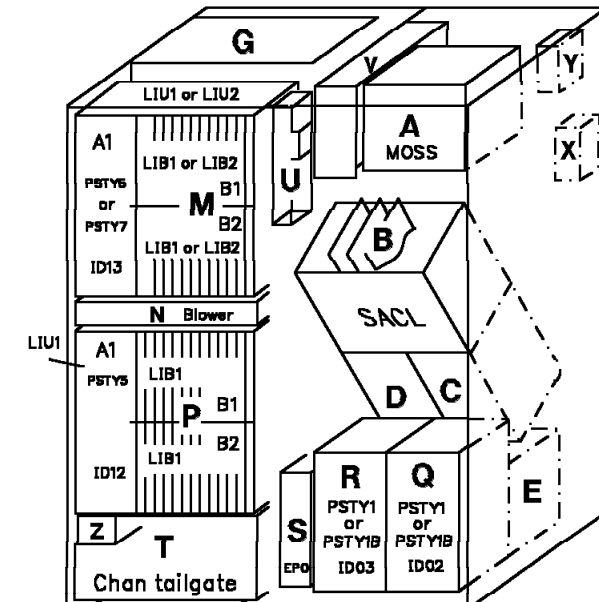
3.2 As Required FFBMs

- 66X0055 - Bypass card (BPC1) FFBM
- 66X0038 - Removal Power



Front View

3745



Rear View

- 66X0097 - Removal Logic DMA (210/310 only)
- 66X1102 - Removal Logic DMA (410/610 only)

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 parts listed on the BM(s) to be used 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 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 and
 - IOC bus group 2 drives adapter positions 5 through 8 of each board.

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3. Using the *Hone Configuration sheet* and the following tables, determine the ELA cards and power (if required) positions to be removed.

- Table 1 : ELA removal from TSST board (01G-A1 position only).

Adapt. Position	1	2	3	4	5	6	7	8
Specif.code ELA			9785	9787			9786	9788
Cards CSP in 01G-A1	N/A	N/A	G2	J2	N/A	N/A	S2	U2
EAC	N/A	N/A	H2	K2	N/A	N/A	T2	V2
Power Supply ID (PSTY4) Loc.	08 01H-A1		09 01H-B1		10 01H-C1		11 01H-D1	
01U-A0 Tailgate ELA	N/A	N/A	H	K	N/A	N/A	T	V

- Table 2: ELA removal from TSSB board (01G-A1 position only)

Adapt. Position	1	2	3	4	5	6	7	8
Specify code	9781	9783	9785	9787	9782	9784	9786	9788
Cards CSP in 01G-A1	E2	G2	J2	L2	N2	Q2	S2	U2
EAC	F2	H2	K2	M2	P2	R2	T2	V2
Power supply id (PSTY4) Loc.	08 01H-A1		09 01H-B1		10 01H-C1		11 01H-D1	
01U-A0 Tailgate ELA	F	H	K	M	P	R	T	V

4. The removal of an ETHERNET Lan Adapter can be performed either ONLINE (concurrent mode with NCP running, MOSS ONLINE) or OFFLINE (complete machine POWER OFF, MOSS ALONE).

Important note

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

Select the procedure according to machine availability.

5. If, after this feature removal (from 3745-X10), there is no HPTSS or ELA adapters remaining in the 3745, you must perform this removal with a complete 3745 power off to allow removal of the DTER and DMSW cards.

In 3745-X1A, DMSW and DTER cards are always present.

6. You must remove the last ELA adapter on the IOC bus. No gaps are authorized. It may be necessary, depending on customer configuration, to install a BPC1 card.

7. **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...).

- Add 0.3 if you remove the last remaining ELA (w/o HPTSS) from 3745 Models 210/310.
- Add 0.4 if you remove the last remaining ELA (w/o HPTSS) from 3745 Models 410/610.
- Add 0.3 for ABP card relocation (if 3746-900 attached).

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 an ETHERNET Lan Adapter (ELA) FC 4780.

6.2 Description

Remove the adapter cards (CSP + EAC) and associated tailgate, cable, and power supply (if required).

7.0 Removal Time

FFBM	Machine hours	System hours
05F2479 (ELA)	0.7	00.0
TEST TIME	0.8	00.0

Total time: w/o Power:	1.5	
with Power:	0.7	

8.0 Tools/Materials Required

ESD kit (PN 6428316).

Removal (Steps 9-11)

9.0 Safety

- The adapter removal can be performed either online or offline.
- The removal of the last remaining ELA, without HPTSS installed in the 3745 (Model X10 only), will be performed OFFLINE (power OFF).
- Review the **Safety Notices** and the **Safety Inspection Procedures** located at the beginning of the *3745 Maintenance Information Procedures (MIP)* manual (SY33-2054).

10.0 Details of 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 7.
- If you have complete machine availability for **POWER OFF**, continue.

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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."

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.

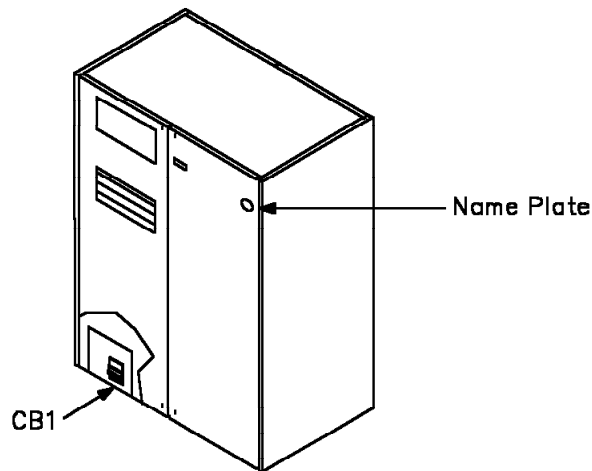
10.1.5 Display the CDF

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 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, "ELA Removal" on page 9.

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."
- 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 8.

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, "ELA Removal" on page 9.
- 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, "ELA Removal" on page 9) and restore power to that PSTY4 (UXX from POS screen). This sequence can be repeated for the remaining PSTY4(s).

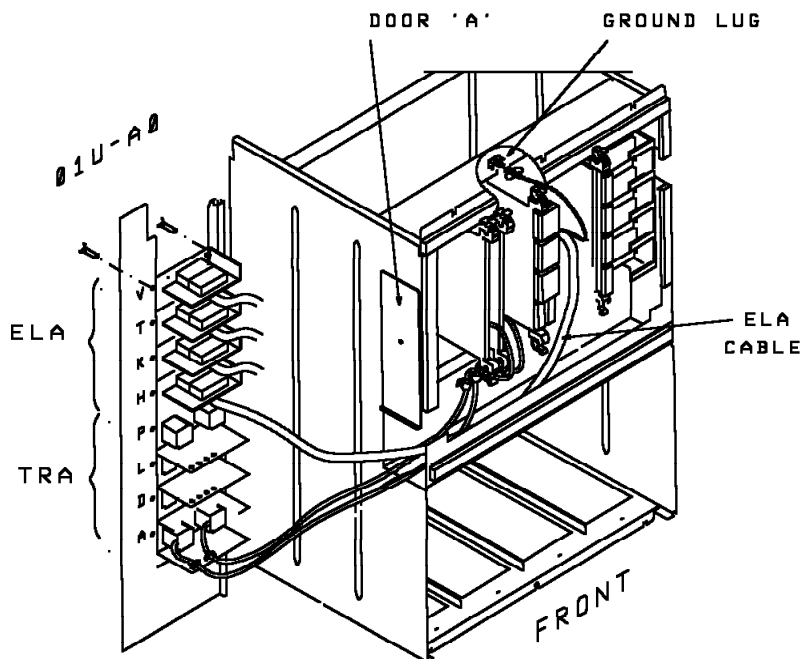
Note: If you remove an adapter from an **EVEN** position, you must power OFF the PSTY4 driving the adjacent **ODD** LA (see table in Step 4.0, "Preparation" on page 3).

- ___ 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.

10.3 ELA Removal

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

- ___ 1. Open the front system covers of the 3745.
- ___ 2. Locate the TSST or TSSB board in position 01G-A1 (a shield in front may be present). Then identify the adapter cards you will remove per Step 4.0, "Preparation" on page 3.
- ___ 3. Slide the door **A** up.

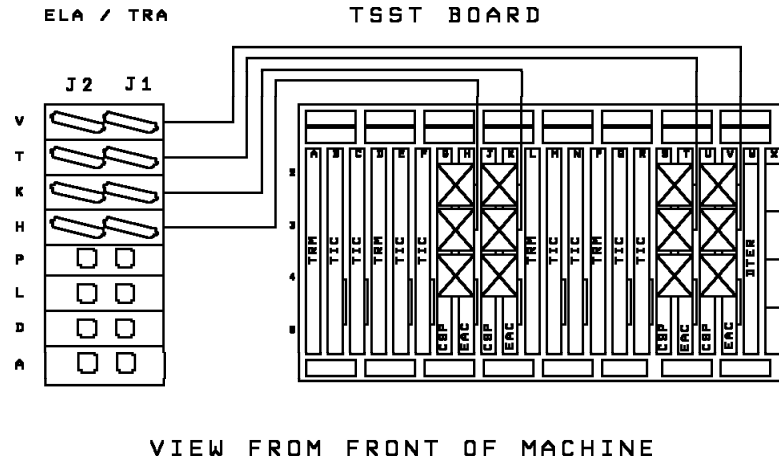
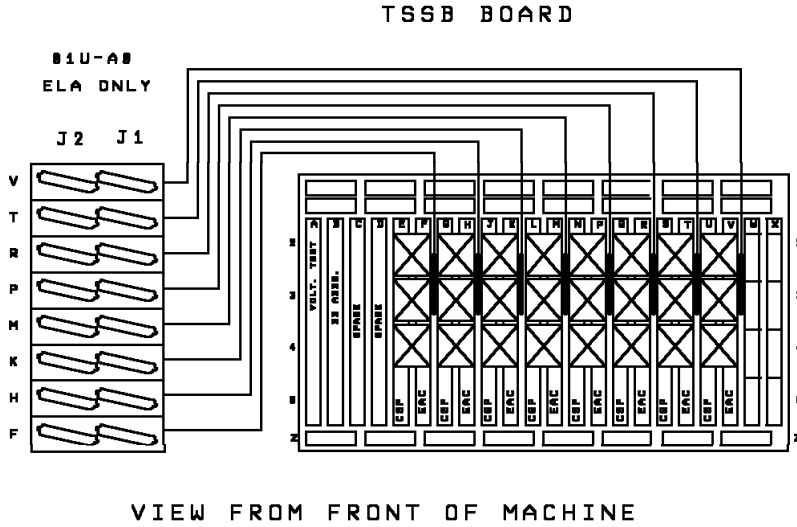


10.3.1 Card Removal

- ___ 1. Disconnect the ground wire of cable assembly from the ground lug above the 01G gate.
- ___ 2. Unplug the 3 crossovers from top card connectors W, X, and Y of CSP/EAC cards.
- ___ 3. Remove the cards from the board. Then, unplug the cable asm from EAC card. Insert the removed cards in box provided by this FFBM.

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10.3.2 External Cables



- ___ 1. Open the rear system cover(s) and locate the 01U-A0 tailgate (refer to figure in step 4.0, "Preparation" on page 3).
- ___ 2. On the identified tailgate position, slide the external cable retainer clip to the right and unplug the ELA external cable.

10.3.3 Internal ELA Cable Removal

- 1. From rear, remove the ELA cable asm from tailgate by removing two screws. Save the screws.
- 2. Gently, pull the cable asm from the machine.
- 3. In same location, install a dummy bracket (PN 58X9369) using the two removed screws.

10.3.4 BPC1 and Dummy Cards Installation (if Required)

Removing an ELA feature, the machine should be reconfigured, no gap is authorized between adapters. But, following the customer configuration, a BPC1 may be shipped.

Note: BPC1 card is used to ensure continuity between adapters on the same IOC bus.

- 1. Mount extender (PN 1953093) on BPC1 card.
- 2. Plug the card asm in socket 4 of removed CSP card. Secure it with intermix bracket (PN 1953110).
- 3. Insert one dummy card (PN 2733278) in EAC card position.

Note: If you remove the LAST REMAINING ELA from the machine and no HPTSS is installed, you must remove a DMA bus terminator card (DTER) and one DMSW card (from Models 210/310) or two DMSW cards (from Models 410/610). Otherwise, go to Step 10.4.3, "Power Removal" on page 12.

10.4 Last Remaining ELA in 3745-X10 (without HPTSS)

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

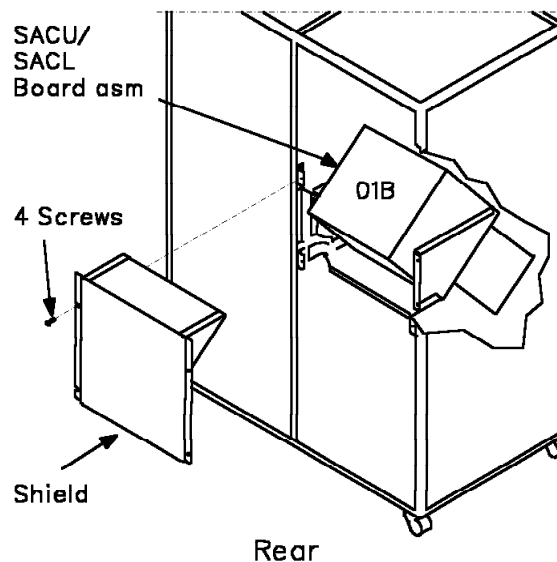
10.4.1 DTER Card Removal

- 1. Remove the DTER card from position 01G-A1W2, and install dummy card (PN 2733278).

10.4.2 DMSW Card Removal

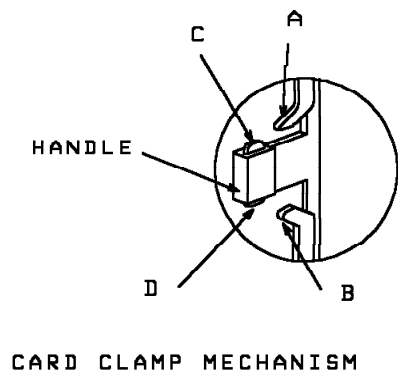
From the rear of the machine:

- 1. If present, remove the shield with 4 screws and locate the 01B area.



- 2. Using both hands, move levers A and B outwards simultaneously at positions:
 - 01B-G0 for a 3745 Models 210/310.
 - or 01B-G0 and 01B-P0 for a 3745 Models 410/610.
- 3. Gently, press in catches C and D, and draw the card(s) asm out of the board.
- 4. In same position(s), insert dummy card(s) (PN 89X3307).
Using both hands, move levers A and B inwards simultaneously.
- 5. If present, reinstall the shield over 01B area.

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SACU/SACL CARD LOCATIONS
FOR MODELS 218/418

UNUSED	UNUSED	UNUSED	STO	SCTL	DMSW	IOSW	STER	UNUSED	UNUSED	STER	IOSW	DMSW	SCTL	STO	STO	UNUSED	UNUSED	UNUSED
S	R	R	R	P	N	M	M			J	H	G	G	F	E	E	D	D
WITH CCUB								WITH CCUA										

SACU/SACL CARD LOCATIONS
FOR MODELS 318/618

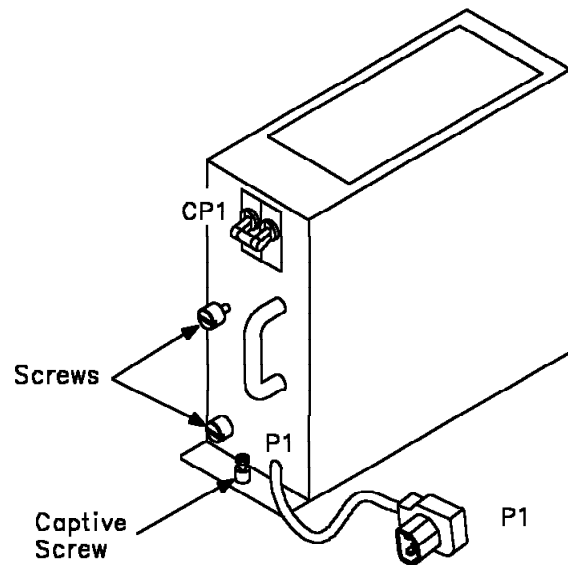
4NB 4NB	Δ	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	4NB 4NB
STO	STO	SCTL	PUC	DMSW	STER	STER	STER	STER	STER	STER	STER	STER	STER	STER	STER	STER	STER	STER	STO
V	U	U	S	S	P	N	M	M	J	H	G	G	F	E	E	D	D	C	B
WITH CCUB										WITH CCUA									

10.4.3 Power Removal

- If the complete 3745 is powered OFF, continue.
- Otherwise, go to Step 10.5, "Covers" on page 13.
- If you remove a line adapter from an odd position (1, 3, 5 or 7), and the next adjacent adapter position is empty, you must remove the associated power block (PSTY4).
- Otherwise, go to Step 10.5, "Covers" on page 13.

10.4.4 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.

10.5 Covers

- ___ 1. Slide down the door marked 'A' on the left side of adapter enclosure (see the second figure in Step 10.3, "ELA Removal" on page 9).
- ___ 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 15.
- Otherwise, continue.

10.6 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 14.
- Otherwise, continue.

11.1.1 From the 3745-X10 Console

- ___ 1. When the **CA INTERFACE DISPLAY** screen is displayed, press **F4**.
- ___ 2. Enter the maintenance password, press **Send**.

- If you have not removed a PSTY4, go to Step 11.1.4, "Update the CDF" on page 14.
- Otherwise, go to Step 11.1.3, "Create the Power Configuration Table" on page 14.

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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 the **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 the 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.

- If you have removed the LAST remaining ELA in 3745-X10 without HPTSS installed, press **F6** and continue.
- If it does not, press **F1** and go to Step 11.1.6, "Run the Diagnostics."

- 4. Select **DISPLAY/UPDATE**, enter **1**, press **Send/Enter**.
- 5. Enter **5** (SWITCH), press **Send/Enter**.
An **N** should be displayed in front of DMSW for CCUA and CCUB (if installed). Press **F1**.

11.1.6 Run the Diagnostics

- 1. Enter **ODG**, press **Send/Enter**.
- 2. Enter **3** (IOC BUS), press **Send/Enter**.
 - When **NO ERROR REPORTED** is displayed, press **F1**.
 - If an error is reported, 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 the function is completed, press **F1**.

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- If you have removed an adapter from a Model X1A, go to Step 11.1.9, "Relocate the Bypass Cards" on page 15.
- Otherwise, continue.

11.1.8 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 6.

- Go to Step 11.1.11, "General IPL."

11.1.9 Relocate the Bypass Cards

Note: Follow this Step if a 3746-900 is attached. From the Service Processor:

1. On the **3745 Function Selection** screen, enter **OFF**, press **Enter**.
2. On the **3745 menu** window, click on **OPERATION MANAGEMENT**.
3. Double click on **Locate Bypass Card Position**.
4. Follow the instructions.

Note: Refer to the *3746 Model 900 Installation Guide* (SY33-2088), Chapter 4, cabling the IOC/DMA buses.

11.1.10 Logoff MOSS-E

1. On the **3745 Menu** window, double click on **MOSS Console**,
2. Enter **CID**, press **Enter**.
3. Enable the channel adapter recorded in Step 10.1.2, "Log the 3745-X10 Console on" on page 6.
Wait until all channels are **E** in the E/D REQUEST column.
Press **F1**.
4. Enter **OFF**, press **Enter**.
5. On the **3745 Menu** window, click on **Function**. Then, click on **Exit**.

6. On the **MOSS-E View** window, click on **Program**.
7. Click on **LOG OFF MOSS-E**.

11.1.11 General IPL

From the 3745 Control Panel:

1. Set the **Power Control** indicator to its original value recorded in Step 10.1.1, "From the 3745 Control Panel" on page 6.
2. Set the **Function** indicator value to **0** (general IPL).
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 17.

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

11.2.1 Power ON the PSTY4

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**.

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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."
- 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.

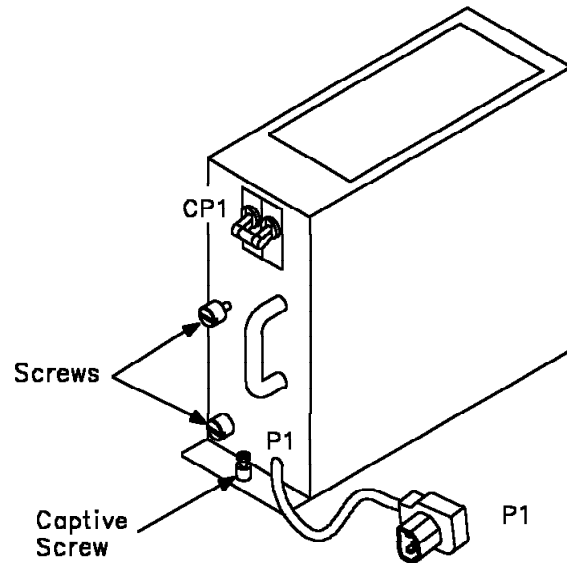
11.2.3 Power OFF the PSTY4

- 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**.

- If you have removed an adapter from a Model X1A, go to Step 11.2.11, "Logoff the Service Processor."
- 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.

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Processing Options

Runtime values:

Document fileid	P76F9096 SCRIPT
Document type	PNCDOC
Document style	FBII
Profile	EDFPRF30
Service Level	21Jun90
SCRIPT/VS Release	3.2.1
Date	93.06.18
Time	13:37:00
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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