Field Feature Bill of Material

PN 66X1360

REMOVAL of a LIC Card
LIC5 (FC 7865) or LIC6 (FC 7825)
from IBM 3745 Models X10/X1A and 3746 Models L13/L14/L15

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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 L13/L14/L15.

2.0 Related BMs and ECs

None.

3.0 BM(s) to be Used

- 66X1360 - Installation instructions
- 66X1359 - LIC card removal.

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 B/M(s) to be used to determine whether all parts have been received.

___ 3. The LIC can be removed from boards:

- 01M-B1, 01M-B2 located in 3745 base frame.

- 04B-B1, 04B-B2, 04D-B1, 04D-B2, 04E-B1, 04E-B2, 04G-B1, 04G-B2 located in 3746 Model L13.

- 05B-B1, 05B-B2, 05D-B1, 05D-B2, 05E-B1, 05E-B2, 05G-B1, 05G-B2 located in 3746 Model L14.

- 06B-B1, 06B-B2, 06D-B1, 06D-B2, 06E-B1, 06E-B2, 06G-B1, 06G-B2 located in 3746 Model L15.

___ 4. You can also refer to page YZ839 to determine the LA/DMUX card relationship and DMUX/LINE Unit position.

___ 5. Using the *HONE Configurator sheet* and the following tables determine which Line Adapter will support the LIC.

- Table to determine the area/board position in 3745 according to the *Hone installation sheet.*

LIC Position	C	D	E	F	G	H	J	K
01M-B1	AREA 6							
01M-B1	AREA 5							

- Table to determine the area/board position in 3746 L13 according to the *Hone installation sheet.*

LIC Position	C	D	E	F	G	H	J	K
04B-B1	AREA 10							
04B-B2	AREA 9							
04D-B1	AREA 2							
04D-B2	AREA 1							
04E-B1	AREA 14							
04E-B2	AREA 13							
04G-B1	AREA 6							
04G-B2	AREA 5							

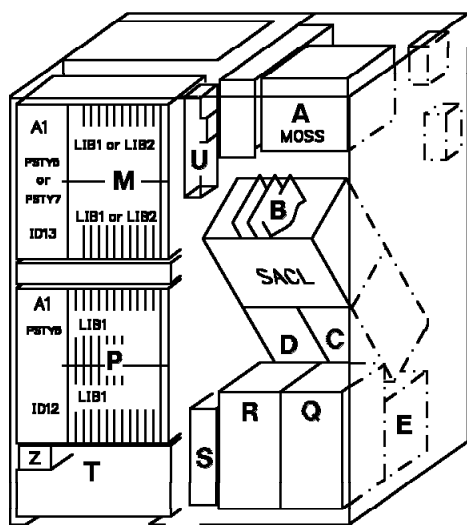| 3745 FFBM	PN 66X1360 3 of 8	See EC History	EC A73200 20JAN89	EC A98318 05AUG91	EC C38411 18JUN93	EC F70086 09 JUN 1999

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- Table to determine the area/board position in 3746 L14 according to the *Hone installation sheet.*

LIC Position	C	D	E	F	G	H	J	K
05B-B1	AREA 10							
05B-B2	AREA 9							
05D-B1	AREA 2							
05D-B2	AREA 1							
05E-B1	AREA 14							
05E-B2	AREA 13							
05G-B1	AREA 6							
05G-B2	AREA 5							

- Table to determine the area/board position in 3746 L15 according to the *Hone installation sheet.*

LIC Position	C	D	E	F	G	H	J	K
06B-B1	AREA 10							
06B-B2	AREA 9							
06D-B1	AREA 2							
06D-B2	AREA 1							
06E-B1	AREA 14							
06E-B2	AREA 13							
06G-B1	AREA 6							
06G-B2	AREA 5							

3745 Frame 01

Rear View

3746 L13, L14, or L15

Front View

Rear View

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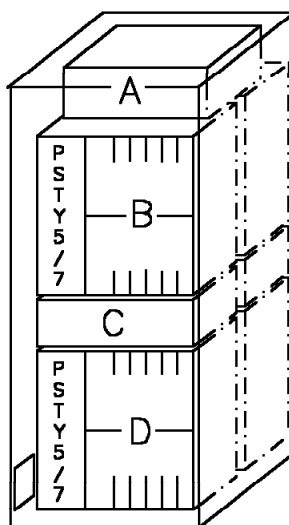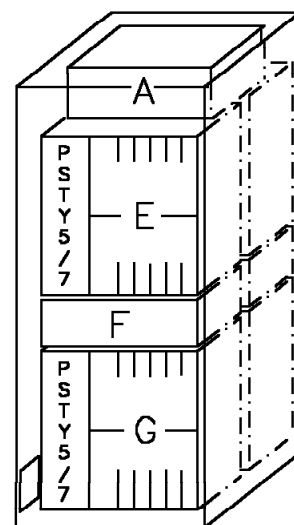
5.0 Programming

5.1 Diagnostic Programs

CDF to reflect this change will be performed in step 11.0. This is essential to allow 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 LIC 5 (FC 7865) or LIC 6 (FC 7825).

6.2 Description

LIC card removal.

7.0 Removal Time

FFBMs	Machine Hours	System Hours
66X1359	0.3	0.0
Test Time	0.4	0.0
Total Time	0.7	0.0

8.0 Tools/Material Required

None.

Removal (Steps 9-11)

9.0 Safety

- Since the LIC is HOT PLUGGABLE, the LIC removal will be done with the machine POWER ON.
- 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

Before the removal, ask the customer:

___ - To deactivate all lines connected on the Line Adapter identified in step 4.0, "Preparation" on page 3.
___ - 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 removing a LIC card from a 3745-X1A or from a 3746 line frame connected to a 3756-X1A, go to Step 10.1.3, "Log the Service Processor on" on page 6.**

- **Otherwise, continue.**

10.1.2 Log the 3745-X10 Console on

___ 1. Press **F4**
___ 2. Enter the maintenance password, then press **Send**

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- **Go to Step 10.1.4, "Display the CDF" on page 6.**

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**.

___ 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.

10.1.4 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** (LA), press **Send/Enter**. Check for the presence of a **Y** for the LIC position to be removed.

___ 4. Press **F8** to display the presence status of LIC position 5 through 16. Check also the LIC type (5 or 6).

___ 5. Press **F1**.

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10.2 Hardware Removal

Warning: Follow the existing ESD procedures when handling logic parts.
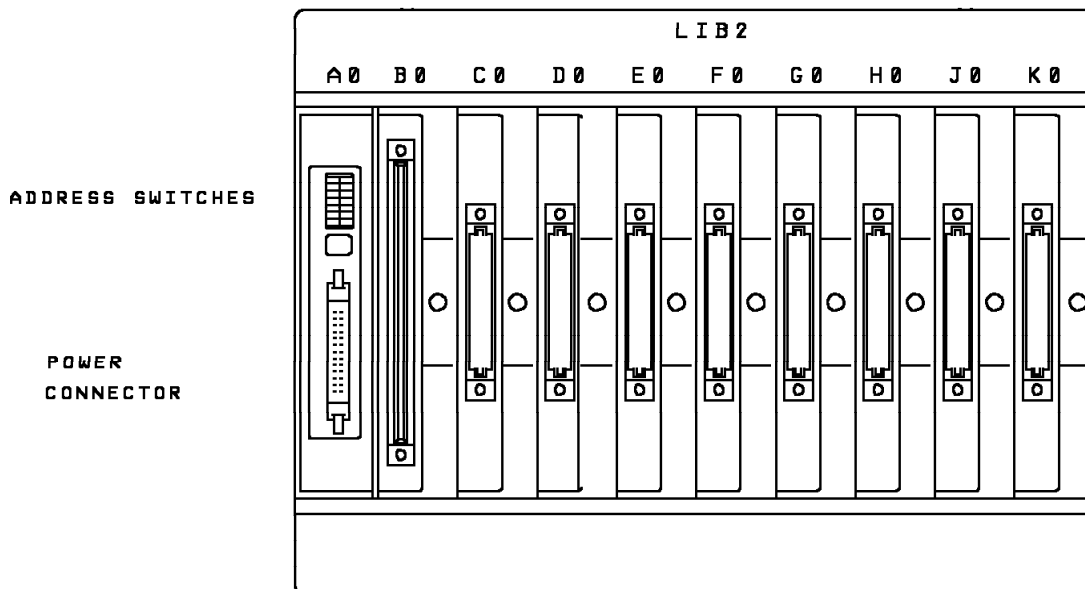
Open system cover where LIC(s) is to be removed.

10.2.1 Card Removal

__ 1. Based on the new machine configuration, locate the LIC Unit.

__ 2. Identify the board and card position in step 4.0, "Preparation" on page 3.

> ┌─ **Warning** ──
>
> Hazardous voltages can exist on the ground shields of cables due to various faults. When installing LIC cables, verify that the ground potential difference between the cable shields and the 3745/3746 frame ground is no more than 1.0 VAC. If the voltage is exceeded, notify the customer immediately and do not proceed until the problem is corrected. Avoid removal or reconfiguration work during lightning activity.

__ 3. Disconnect telephone cable(s) from port(s) and remove the cables from the machine.

__ 4. Unfasten the front thumbscrew of the LIC and remove the LIC cassette. The thumbscrew is black on a LIC5 or LIC6.

__ 5. Insert in the same location a dummy cassette (PN 65X8446).

```
                          LIB2

       A0   B0   C0   D0   E0   F0   G0   H0   J0   K0


ADDRESS SWITCHES



POWER
CONNECTOR
```

__ 6. Close system covers.

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11.0 Test Procedures

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

11.1.1 Update the CDF

___ 1. Enter **CDF**, press **Send/Enter**.

    Note: If NCP is not loaded, use CDF verify to update the CDF.

___ 2. Enter **7** (LA), press **Send/Enter**.
A **Y** is displayed in front of the LIC you have just removed.

___ 3. Press **F5** for update (not available if NCP is not loaded).

___ 4. Enter **2** (Delete LIC), press **Send/Enter**.

___ 5. Enter the LIC position in the scanner, press **Send/Enter**.

When **CDF LA CHANGE COMPLETED** is displayed, press **F6**.

11.1.2 Run the Diagnostics
None.

11.1.3 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**.

11.1.4 Logoff the Console

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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