

Installation of Field Feature Bill of Material (FBM)

PN 80G5065

CCU POWER REPLACEMENT in IBM 3745 Models 21A/41A/31A/61A 310/610

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Installation Instructions

3745
FFBM

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Before Installation (Steps 1-8)

1.0 Machines Affected

3745 Models 310/610/21A/41A/31A/61A without EC E46419.

2.0 Related BMs and ECs

None.

3.0 BMs to Be Installed

Feat BM	Model	FBM
New Power Supply		
71F9543	310	80G5063
71F9543	610	80G5064
05F2618	21A/31A	80G5063
05F2618	41A/61A	80G5064

4.0 Preparation

- Familiarize yourself with the purpose and details of the installation instruction before negotiating machine time with the customer.
- Check all items listed on the BMs to determine that all parts have been received.

5.0 Programming

None.

6.0 Purpose and Description

6.1 Purpose

Power CCU shut down due to aging resistor failure.

6.2 Description

Replace the CCU Power PN 26F1733, 29H4679, 29H4704, or 29H4848 with the reworked version (PN 10K8788) on 3745 machines.

7.0 Installation Time

FFBM	Machine Hours	System Hours
80G5063	0.5	0.0
80G5063	0.75	0.0

8.0 Tools and Materials Required

None.

Installation (Steps 9-10)

9.0 Safety

Review the safety notices and the safety inspection procedures located at the beginning of *3745 Maintenance Information Procedures*, SY33-2070.

10.0 Details of Installation

10.1 PS Type 1B Exchange Procedure for Models X10 and X1A

For the physical FRU location, see Figure 1 on page 6.

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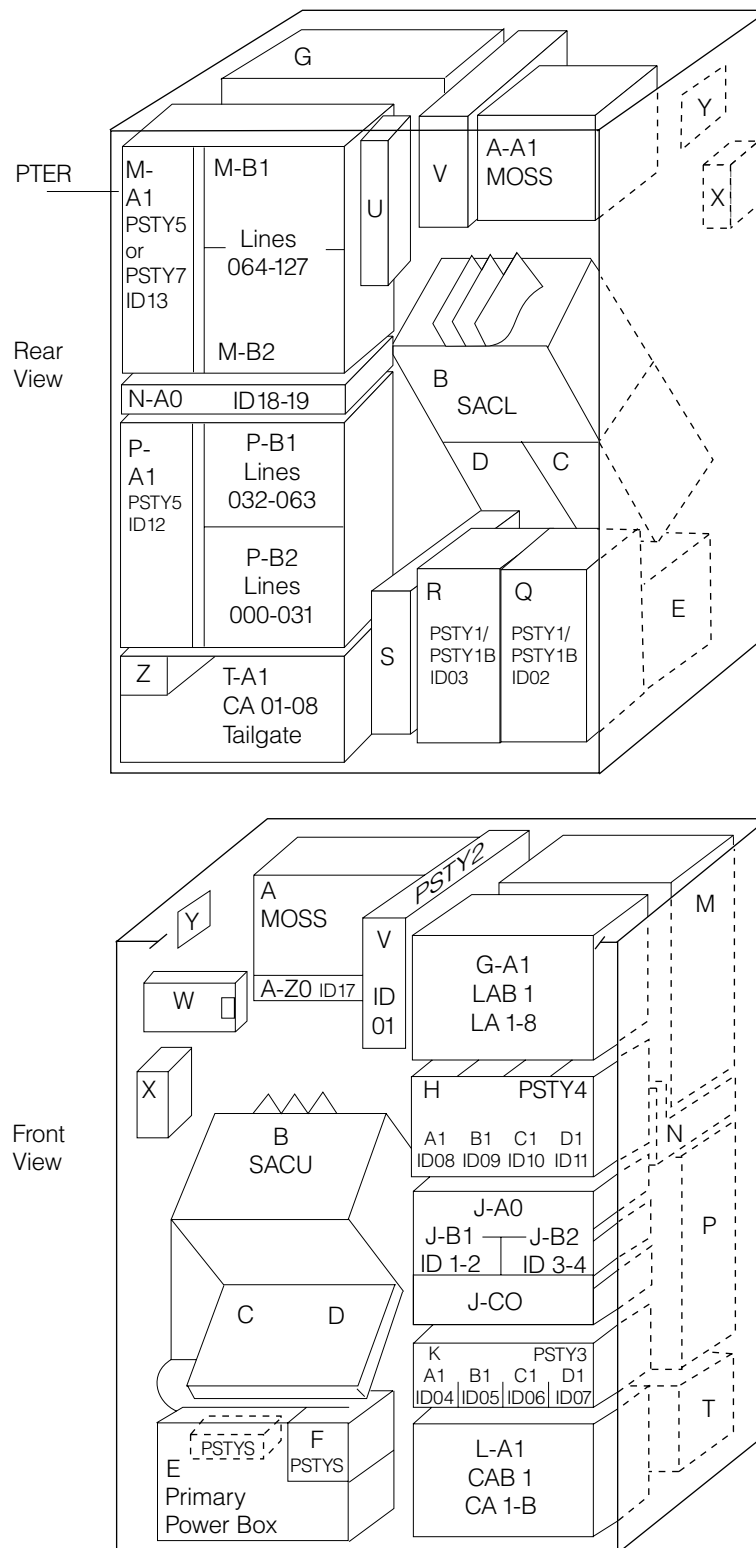


Figure 1. FRU Location

This type of power supply is located at 01Q or 01R.

1. Check to see whether or not the 'Power Control' display is set to local (3) on the control panel.
 - If it is, go to step 4.
 - If it is not, continue with step 2.
2. Press **Power Control** until **3** appears in the Power Control window.
3. Press **Validate**.
4. Type **POS** on any displayed panel selection area. The power services menu appears.
5. Type **1** to select the base frame power services. An information screen appears.
6. On the information screen check the status of the affected power supply.
7. If the status is up, type **dxx**, where
 - xx = 02 for CCU A
 - xx = 03 for CCU B

10.1.1 Power Supply Assembly Removal Procedure

CAUTION:

Before beginning the exchange procedure, read the *Telecommunication Products Safety Handbook*, GA33-0126.

Attention: Before exchanging the PS type 1B, visually check that there are no exposed wires at connector J1.

1. Switch off the corresponding CP in the primary box:

CCU A PS type 1B id=02 CP3
CCU B PS type 1B id=03 CP8

See Figure 2 on page 8.

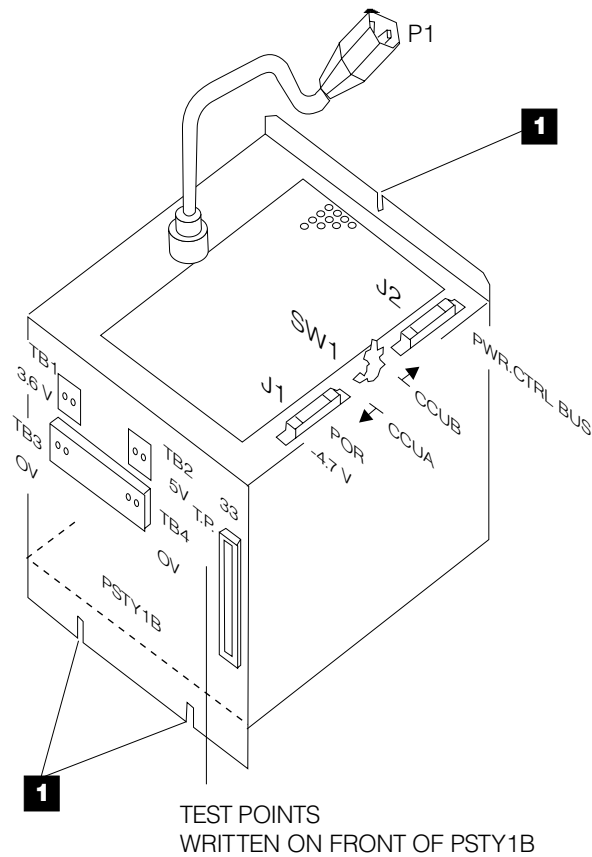


Figure 2. PS Type 1B

2. Disconnect the P1 connector in the primary power box:

01E-A1J4 for CCU A
01E-A1J9 for CCU B

3. Note the position of SW1.
4. Disconnect the connector from J1.
5. Disconnect the connector from J2.
6. Disconnect the laminar buses from TB-1 to TB-4. (Mark each laminar buss for easier replacement.)
7. Remove the three mounting screws 1 and slide the power supply assembly out of the machine.

10.1.2 Power Supply Assembly Installation Procedure

1. To replace the power supply assembly, perform the removal procedure in reverse order.

Note: Make sure that SW1 is in the same position as noted in step 3 of 10.1.1, "Power Supply Assembly Removal Procedure."

2. To turn the affected power supply on, perform the following steps at the 3745 console:
 - a. Type **POS** on any displayed panel selection area. The power services menu appears.
 - b. Select frame 01.
 - c. Type **uxx**, where
 - xx = 02 for CCU A
 - xx = 03 for CCU B
3. Run the CCU diagnostics. (Follow “How to Run Internal Function Tests” in Chapter 3, “How to Run the Diagnostics,” of *Maintenance Information Procedures*, SY33-2054.) Then go to the repeat verification procedure.

After Installation (Steps 11-14)

11.0 Field Updating

None.

12.0 Field Support Publications

12.1 Publication Update

None.

13.0 Parts Disposition

13.1 Purchased Machines

RMER Procedures

All replaced and removed parts become the property of IBM. You **must return** these parts following the instructions given on the Returned Material Equipment Report (RMER) provided with this FBM.

14.0 Machine Records

- Update machine history to reflect:
 - EC H10020 on Feature BM 71F9543 for 3745-21A/41A/31A/61A
 - EC H10020 on Feature BM 05F2618 for 3745-21A/41A/31A/61Aas installed according to existing procedures.
- Report installation and quality according to existing procedures.

End of instructions.