

Field Feature Bill of Material

Converting Multiaccess Enclosure (FC 3000 to FC3001) on IBM 3746 Model 9X0. with Service Processor Type 7585-P02 (FC 5052) or with Service Processor Type 6275 (FC 5053)

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3745 FFBM	PN 02L1268 1 of 14	See EC History	EC F12710A 6 JUL 98	EC F52323 23 JUL 98	EC F64822 19 MAR 1999	EC F70078 22 APR 1999
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Before Installation (Steps 1-8)

1.0 Machines Affected

3746 Models 9X0 with:

- A service processor type 7585-P02 (FC 5052) or type 6275-56U or 6275-83U (FC 5053)
- A Network Node Processor (FC 5022) and
- With a Multiaccess Enclosure (FC 3000) installed.

This feature should only be applied on the machine serial for which it is specified.

2.0 Related BMs and ECs

2.1 Prerequisites

(Must be installed prior to this installation)

2.1.1 Microcode

FFB/M	Title
42L2447	Install microcode EC F12720

2.1.2 Hardware

FFB/M	Title
02L3497	Install Service Processor Type 7585-P02 (FC 5052).

or

FFB/M	Title
26L0420	Install Service Processor Type 6275-56U or 6275-83U (FC 5053).

If the PN of the MAE system card installed in your MAE is one of the following:
78H6297, 11J7464, or P/N 89H8395, replace the MAE system card using:

B/M	Title
02L4064	Install new MAE system card

2.2 Concurrent ECs

None

2.3 Companion ECs

(May be installed together)

3.0 BMs to be Installed

FFB/M	Title
02L1268	Convert Multiaccess Enclosure FC 3000 to FC 3001

4.0 Preparation

- Familiarize yourself with the purpose and details of the installation instruction (refer to Figure 1 on page 6).
- Check all items listed on the BM(s) to determine that all parts have been received.

5.0 Programming

None.

6.0 Purpose and Description

6.1 Purpose

To increase the thruput between the 3746-9x0 and the MAE.

6.2 Description

Install the hardware required to migrate a MAE FC 3000 to FC 3001

7.0 Installation Time

FFBM	Machine Hrs.	System Hrs.	Nbr of CE
02L1268	1	00.0	1

Installation (Steps 9-11)

8.0 Safety

Review the **Safety Notices** and the **Safety Inspection Procedures** located at the beginning of the *Multiaccess Enclosure Installation and Maintenance Guide*, SY33-2124.

9.0 Details of Installation

This instructions is used to install the hardware needed to migrate a MAE from FC 3000 to FC 3001.

To have an overview of all the tasks and documentation to be used during the migration, refer to Figure 1 on page 6.

Then go to 9.1, "Installing the Switch Interface Extender Cassette in the 3746-9X0" on page 7 to start the installation.

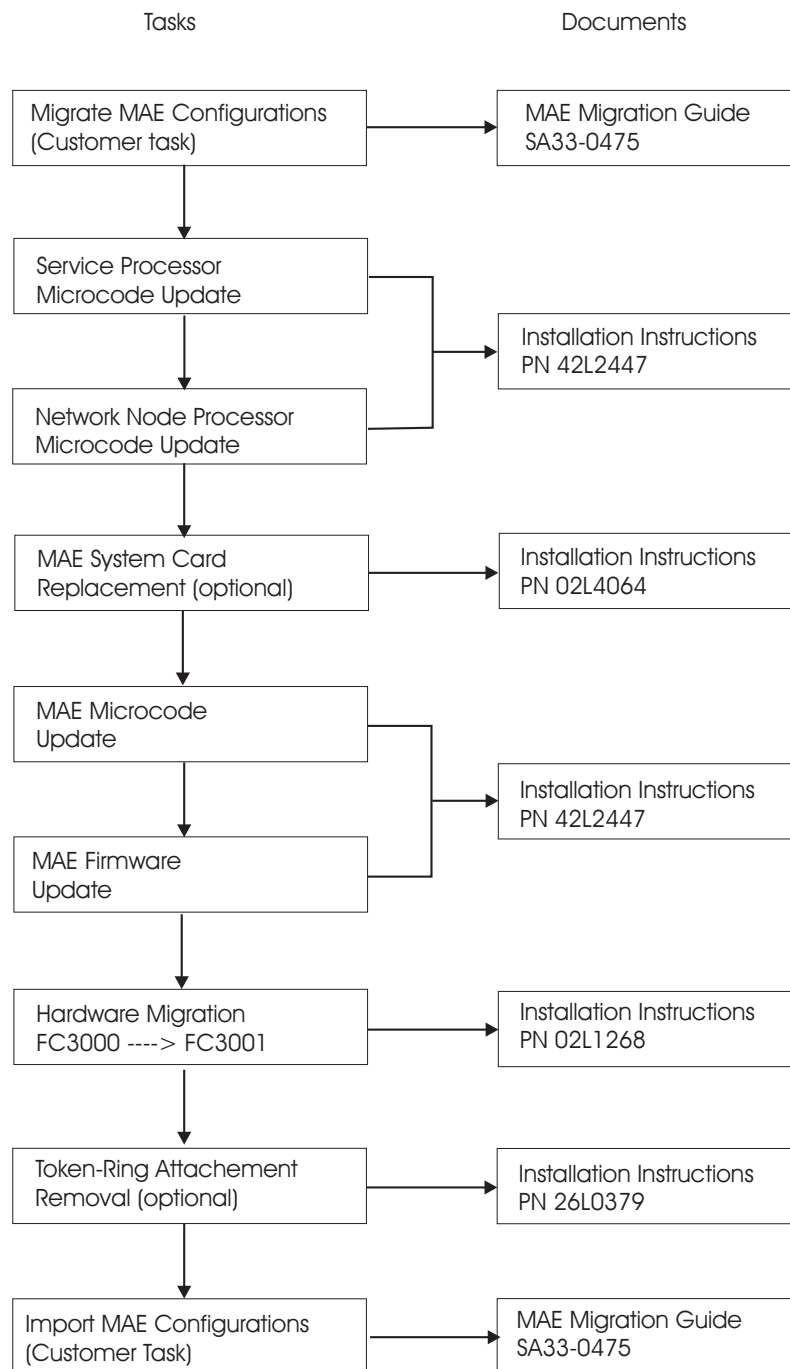


Figure 1. MAE FC 3000 to FC 3001 Migration Scenario

9.1 Installing the Switch Interface Extender Cassette in the 3746-9X0

- ___ 1. Power OFF the 3746-9X0
- ___ 2. According to the hone sheet received, locate the slot available in the 3746-9X0 to install the SIE cassette.

Note: The SIE can be installed to any slot, 07G-A1-H3 to P3 in the basic enclosure, or 07E(07D)-A1-D3 to P3 in the first or second expansion enclosure.

- ___ 3. Remove the dummy cassette from this location and plug the SIE cassette.

Note: The SIE card will not be displayed in the CDF-E.

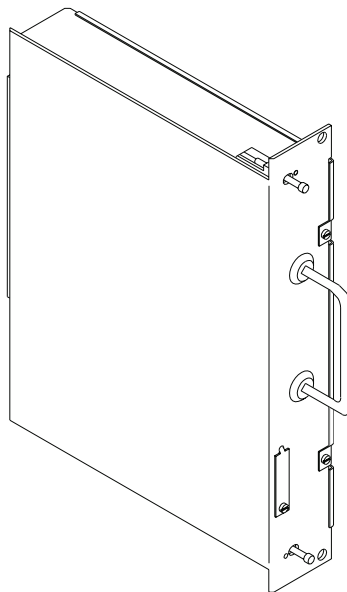


Figure 2. SIE Cassette

Go to 9.2, “Installing the Switch Adapter Card in the MAE” on page 8

9.2 Installing the Switch Adapter Card in the MAE

- ___ 1. Power OFF the MAE
- ___ 2. Locate slot A on the front side of the MAE
- ___ 3. Remove the filler plate from this location

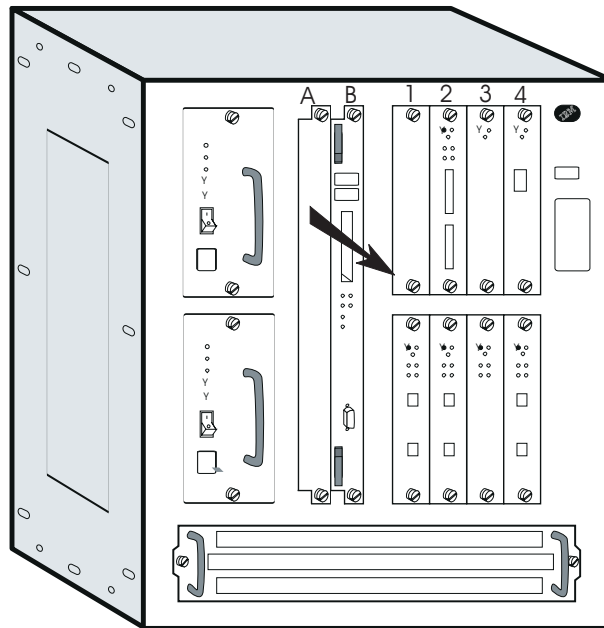


Figure 3. Removing the Filler Plate

- ___ 4. Position the screws, then slide the SAC module in its location

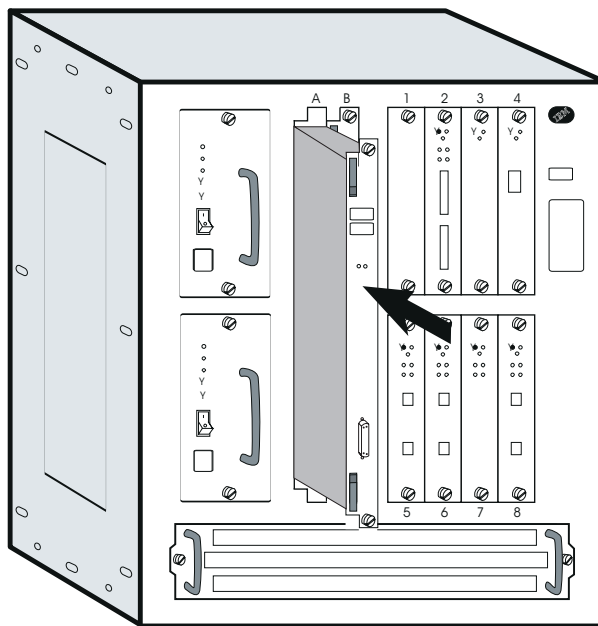


Figure 4. Installing the SAC Module

- ___ 5. Secure the SAC module by tightening the screws
- ___ 6. Go to, 9.2.1, "Connect the MAE from the SAC Card to the SIE Cassette."

9.2.1 Connect the MAE from the SAC Card to the SIE Cassette

- ___ 1. Refer to Figure 5 on page 11, and route the cable PN 02L2764 from the MAE to the 3746-9X0 frame.

Note: In this example the controller expansion is installed close to the 3746 frame but it could be up to 6 meters far from the frame. Also the SEI card is plugged in the enclosure expansion 1 in the 3746 but it can be plugged in the basic or expansion 2 enclosure.

- ___ 2. In the MAE, connect cable **5** to the SAC card **4** connector **3**

Note: The cable can be plugged in any way, it is symmetric.

- ___ 3. Route cable **5** from the MAE to the 3746 board where the SIE cassette is installed.

- ___ 4. In the 3746-9X0, connect cable **5** to the SIE cassette **1** connector **2**, then go to 9.2.2, "IML the MAE and the 3746-9X0" on page 10.

9.2.2 IML the MAE and the 3746-9X0

- ___ 1. Power ON the MAE
- ___ 2. Check that the green LED of the SAC module comes ON and that the yellow LED is OFF.
 - If not, check the card installation
 - If the problem persists call the Network Support Center.
- ___ 3. Power ON the 3746-9X0, then wait for IML complete (green 3746 Icon)
- ___ 4. Following this installation, return to where you left the FFBM to complete the installation of the microcode **F12720** (or above) which is the EC level required to support this installation.

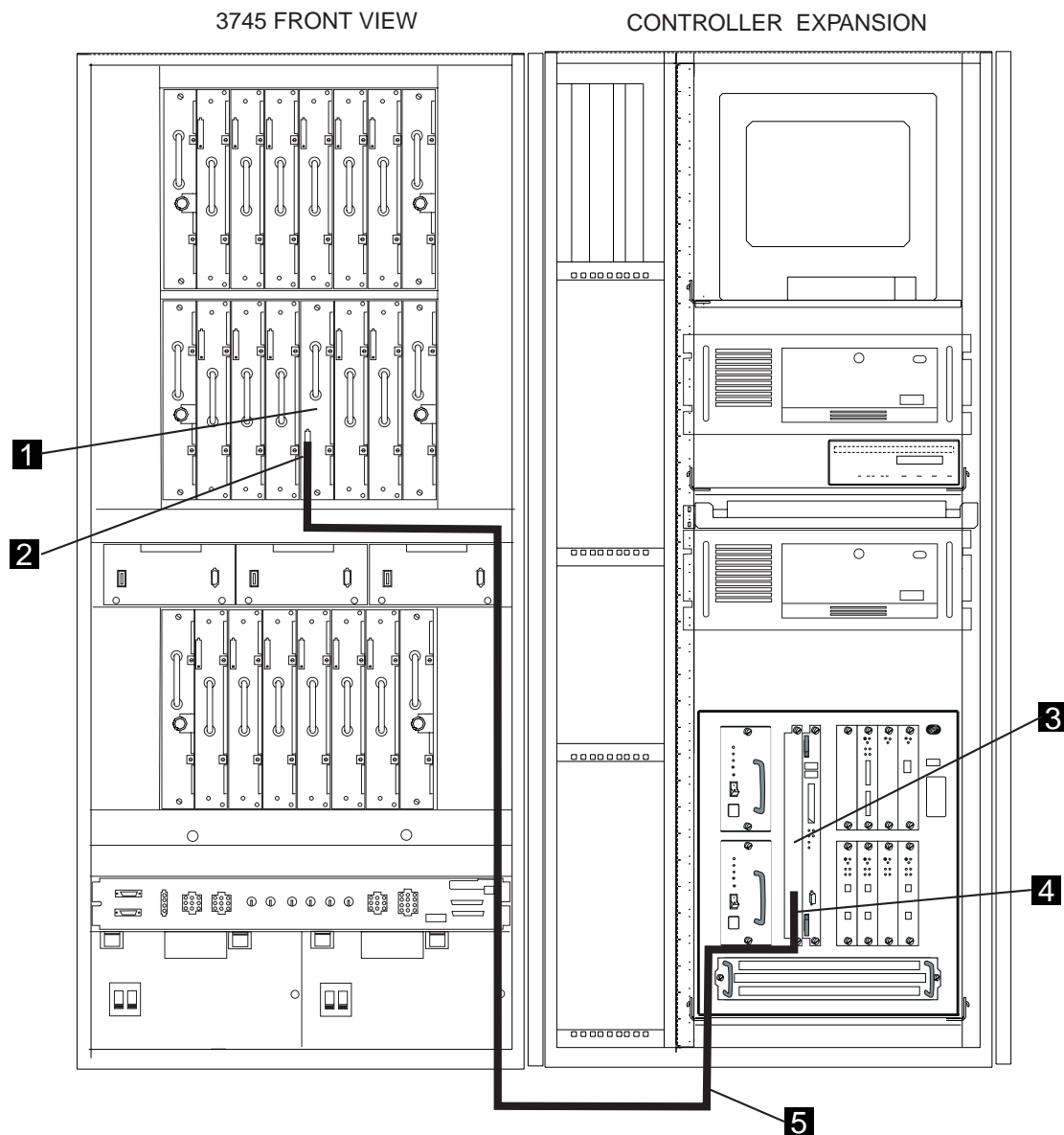


Figure 5. Connecting the MAE SAC Card to the 3746-9X0 SIE Cassette

10.0 Test Procedures

No test required.

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11.0 Field Updating

None.

After Installation (steps 13-15)

12.0 Publications Update

None.

13.0 Parts Disposition

13.1 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.

14.0 Machine Records

- Install the new **MACHINE HISTORY** supplied.
- Report installation and quality according to existing procedures.

End of instructions.

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