

**Installation of
Field Feature Bill of Material (FFBM)**

PN 42L2843

**Service Processor Upgrade to Type 3
(Based on 6275)
Feature Code 5050
on IBM 3745 Models 17A, 21A, 31A, 41A or 61A
or
IBM 3746 Model 950.**

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Before Installation (Steps 1-8)

1.0 Machines Affected

- 3745 Models 17A, 21A, 31A, 41A or 61A, or
- 3746 Model 950.

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

2.0 Related BMs and ECs

None.

3.0 BMs to be Installed

- Service Processor:

FFB/M	Title
42L2843	Install Service Processor.

- RSF modem.

Depending on the country homologation you will receive a 7858 or a 7857.

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 BM(s) to determine that all parts have been received.
- The set up of the Service Processor has no impact on customer operations.

5.0 Programming

None.

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6.0 Purpose and Description

6.1 Purpose

To replace old service processor system unit, display, and modem by the new ones based on SP type 6275-56U, or 6275-83U and modem 7858 or 7857.

6.2 Description

Install/replace a Service Processor.

7.0 Installation Time

FFBM	Machine Hrs.	System Hrs.	Nbr of CE
42L2843	see Note	00.0	1

Note: Machine time depends on configuration: from one hour up to two hours if NNP and MAE are present. Disruptif for customer operations.

8.0 Safety

None.

9.0 Details of Installation

9.1 Replacing a Service Processor.

Go To

What is the EC level of the code currently installed on your old SP that you are going to replace?

- Microcode EC **F12380X** or above (microcode available on **CD-ROM**), go to 9.1.5, "Saving Configuration on Diskette" on page 8
- Any other EC level **prior to F12380** (microcode available on **OD**) , go to 9.1.1, "Saving the Configuration on the Optical Disk."

9.1.1 Saving the Configuration on the Optical Disk

1. If not already logged, enter the **Service Processor maintenance password** (default is IBM3745).
2. Double click on the "**Service Processor icon**".
3. Click on "**Operation Management**".
4. Double click on "**Manage Disks and Databases**".
5. Click on **Save databases on optical disk** radio button.
6. Click on "**OK**" and follow the prompts.
7. When prompted, Insert the optical disk.
8. When completed, click on **OK**, then click on "**Cancel**" to exit from the function.

9.1.2 Installing MES Data Save Function.

1. Insert the **Customer Data Migration diskette** (PN 02L3850) in the Service Processor diskette drive.
2. Click on "**Change Management**".
3. Double click on "**Manage Microcode Fixes**".
4. Click on "**OK**" for use of PE function.
5. On **Manage Microcode Fixes** window, click on "**View**" (On function bar). Then, click on "**Change directory path**" (On pull down menu)
6. On **Change Directory Path** window, enter **A:*.***. Then, click on "**OK**".

- ___ 7. On **Manage Microcode Fixes** window, click on the **fixes** to be applied.

Driver	If LIC EC Level	Apply MCF
607	D2251X	MD22426.418
810	D2256X	MD22726.418
830	D4612X	MD22526.418
840	D4613X	MD22326.418

- ___ 8. Click on **"File"** (On the function bar). Then, click on **"Move"** (On pull down menu).
- ___ 9. On the **Move Microcode Fix files** window, enter **J:\MCF**. Then, click on **"OK"**.

Enter the new path specification following the format {drive:\directory}:

J:\MCF\

OK Cancel Help

- ___ 10. On the **Change Directory Path** window, enter **J:\MCF\ALL**. Then, click on **"OK"**.

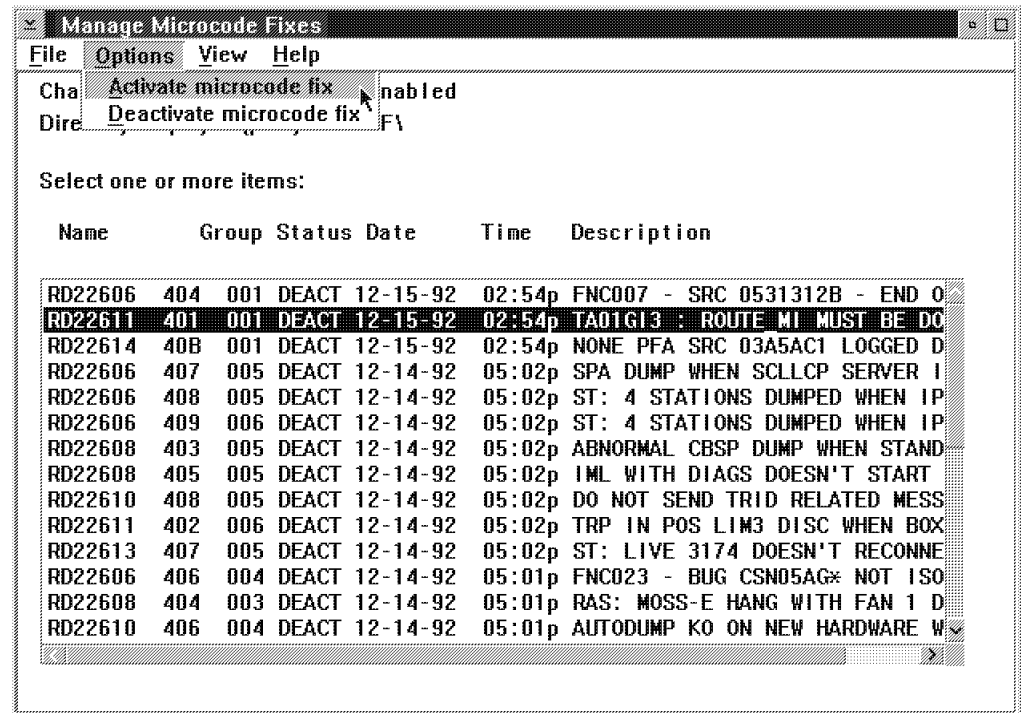
Enter the full path of path or directory to be displayed following the format {drive:\directory\filename.extension or *}, or click on the OK push button for default directory:

J:\MCF\ALL

OK Cancel Help

- ___ 11. Remove the diskette from the drive.

- ___ 12. On the **Manage Microcode Fixes** window, Click on the lines of the MCFs to be applied "**MES-Data Migration**", click on "**Options**" (On function bar).
Then, click on **Activate microcode fix** (On pull down menu).
- ___ 13. Answer 'YES' to reboot and shutdown



9.1.3 Verifying the MCF status.

After IML is completed

- ___ 1. Enter the Service Processor maintenance password
- ___ 2. Double click on the "**Service Processor object icon**".
- ___ 3. Click on "**Change Management**".
- ___ 4. Double click on "**Manage Microcode Fixes**"
- ___ 5. The status of the MCF just applied should be "**ACT**".

MCF Status ACT?

NO, Call Support..

YES, continue with next step.

- ___ 6. Exit the **Change Management** function.

9.1.4 Saving Customer Data on Diskette.

- ___ 1. On the **MOSS-E View** window, click on **Program**.
- ___ 2. Double click on **Log OFF MOSS-E**, then double click on **Log ON MOSS-E**.
- ___ 3. Insert the **backup** optical disk (backup of the current microcode) into the optical disk drive (ODD).
- ___ 4. Double click on the "**Service Processor object icon**".
- ___ 5. Click on "**Functions to Use Under PE Guidance Only**".
- ___ 6. Double click on "**Save Customized data on diskette**".
- ___ 7. When prompted, insert the **Configuration Parameters diskette** (PN 02L3427) (can be any blank 1.44 diskette) into the diskette drive.
Note: Only **one** diskette is provided, if more than one diskette is required, get additional blank diskette (1.44Mb).
- ___ 8. Click on "**OK**" follow the prompts and wait for the following message *'operation is successfully completed'*.
- ___ 9. Click on "**Close**".
- ___ 10. Remove the diskette and the optical disk.

Go to, 9.1.6, "Shutdown the Service Processor" on page 9 .

9.1.5 Saving Configuration on Diskette

The following procedures must be done when coming from EC F12380 or above

- ___ 1. If not already logged, enter the **Service Processor maintenance password** (default is IBM3745).
- ___ 2. Double click on the "**Service Processor icon**".
- ___ 3. Click on "**Operation Management**".
- ___ 4. Double click on "**Manage Disks and Databases**".
- ___ 5. Click on **Save database on diskette** radio button.
- ___ 6. Click on "**OK**" and follow the prompts.
- ___ 7. When prompted, Insert the **Configuration Parameters diskette** (PN 02L3427) in the diskette drive.
Note: Only one **Configuration Parameters diskette** is provided, if more than one diskette is required, get additional blank diskette (1.44Mb).
- ___ 8. When completed, click on "**OK**" and remove the diskette.

Go to, 9.1.6, "Shutdown the Service Processor" on page 9 .

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9.1.6 Shutdown the Service Processor

- ___ 1. On the **MOSS-E View** window, click on **Program**.
- ___ 2. Double click on **shut-down**, then enter the maintenance password (default is IBM3745), and click on **OK**.
- ___ 3. When the pop-up appears saying shut down has completed, power OFF the Service Processor.

9.1.7 Removing the Service Processor

- ___ 1. Disconnect and remove the (old) Service Processor system unit, display, and external modem.
- ___ 2. If an external CD-ROM or an external ODD is present disconnect and remove it.

9.1.8 Packing the Service Processor

The following parts must be returned:

Part Returned	Quantity
Control Unit	1
Display	1
External modem (if present)	1
External CD-ROM (if present)	1
External optical disk drive (if present)	1

All parts are identified by their part number (PN) which should be visible except for:

- The control units based on PS type 9577 and type 9585
- The CD-ROM
- The ODD.

Stick a part number label on the preceding parts, using the following procedure:

- ___ 1. On the blank labels (PN 811825) provided with the FFBM write the part number corresponding to the part returned:
 - PN 03K5505 for ODD.
- ___ 2. Peel the label and stick it on to the corresponding part.
- ___ 3. Carefully pack all the parts to be returned.

9.1.9 Installing the New Service Processor

- ___ 1. Install the (new) Service Processor system unit, display, and modem according to the instructions given in Chapter 1 of the *Service Processor Installation and Maintenance (Based on 6275)*, SY33-2125 provided with the new service processor.

9.1.10 LIC Installation

- ___ 1. Insert the Service Processor installation diskette **PN 26L0456**.
- ___ 2. Then, power **ON** the Service Processor and while the system is starting, insert the **CD-ROM** into the drive.
- ___ 3. When the diskette is booted, follow the prompts on the screen.
- ___ 4. Wait for a while ... several messages will appear: Build hardisk, reboot, format ...

Note: If you get the following messages:

- *SYS0627: Drive c: was improperly stopped. From the OS/2 command prompt, run CHKDSK with the /F parameter on the specified drive*
- *SYS0318: Message file OSO001.msg cannot be found for message 1467*

Ignore these messages and **press enter** to continue.

- ___ 5. When prompted, Insert the **Configuration Parameters diskette (PN 02L3427)** in the diskette drive.
- ___ 6. Wait for a while, when prompted insert the **Service Processor installation diskette PN 26L0236 or 26L0456** in the diskette drive.
- ___ 7. Message: *Number of bytes....Remaining computed time goes to 00 mn 00s* is displayed but wait and stays on for an extra 5 minutes until message: *LIC Restoration has successfully completed* is displayed. Then, press **Enter** to continue.
- ___ 8. When prompted remove the diskette from the diskette drive. Then, press **Enter** key and remove the CD.
- ___ 9. The system re-boot, wait for a while ..., click on **OK** button when the message '**Do you want to customize your SP**' is displayed.

Note: If not prompted automatically, select the function '**SP customization**' from the **service processor configuration** menu.

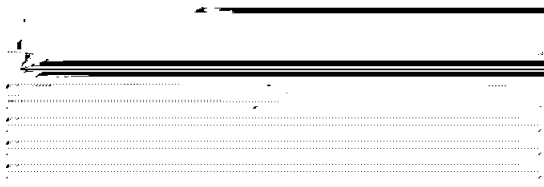
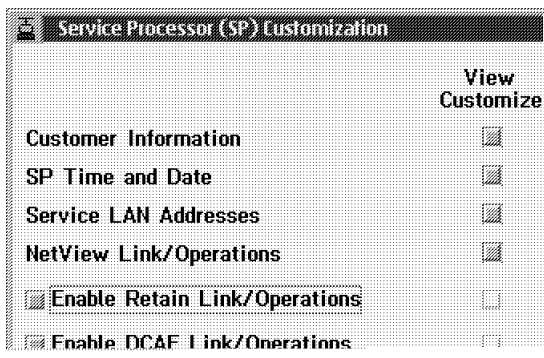
- ___ 10. On the **Service Processor (SP) Customization** screen:
 - Click on every **View Customize** check boxes to verify the configuration parameters. With this level of code two new options are available:
 - a. A link definition for a **Java console**.

Note: This link is exclusive with the DCAF link/operation. According to your customer choice, select the option to define a DCAF or JAVA link.

b. **Screen resolution** option (800x600 or 640x480)

This option is only enabled for the screens which support this option. It is mandatory to select 800x600 when an **MAE** is installed.

- Click on **Modem type** drop down list, then select (click on) the modem and connection type of the modem used. Then, click on **Next>>** button.



- ___ 11. On the **Customer Information Customization** screen, verify the information recorded and make the necessary changes. Then, click on **Next>>** button.

- ___ 12. On the **SP Time and Date Customization** screen, verify the information recorded and make the necessary changes. Then, click on **Next>>** button.

- ___ 13. On the **Service LAN Addresses** screen, verify the information recorded and make the necessary changes. Then, click on **Next>>** button.

	IP address	Subnet mask	Hostname	UAA/LAA
Service Processor:	9.100.76.46	255.255.255.0	SP23456	400000301111
NNP-A:	9.100.76.47	255.255.255.0	CA134568	
NNP-D:	not installed			
TIC3 2080:	9.100.76.48	255.255.255.0		
SP default router:	9.100.76.1			
MAE:	9.100.76.49	255.255.255.0	DA134568	

LAN Manager

Do you have a LAN manager? ☐ Yes ☒ No C&SM LAN ID: MOSSE

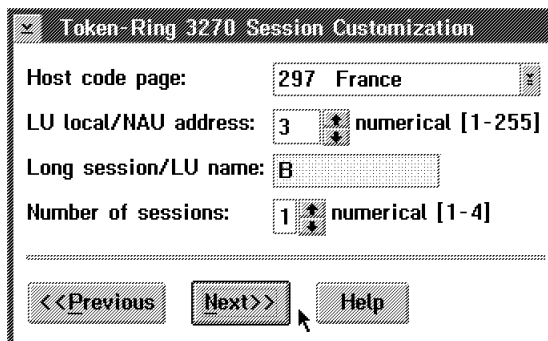
<<Previous Next>> Help

- ___ 14. On the **Netview Link(s)/Reporting Customization** screen, verify the information recorded and make the necessary changes. Then, click on **Next>>** button.

NetView Link(s)/Reporting Customization		
<input checked="" type="checkbox"/> Generate alerts		
NetView Link(s)		
Link(s) through?	<input type="radio"/> SNA <input checked="" type="radio"/> APPN	
How many?	<input type="radio"/> 1 <input checked="" type="radio"/> 2	
Link type?	<input checked="" type="radio"/> LAN <input type="radio"/> SDLC	
Machine Identification		
Machine type	Model	Serial number
3745	17A	XX - XXXXX
Local Node Characteristics		
Network ID	Local node name	
SYSTSTAP	MOSSNMVT	
LAN Link		
TIC2 or TIC3 LAA:	400000502080	hex
TIC3 RSAP:	08	hexadecimal [04-9C]
Customize 3270 sessions? <input checked="" type="radio"/> Yes <input type="radio"/> No		
Switched SDLC Link Telephone Number		
0143457280		

<<Previous Next>> Help

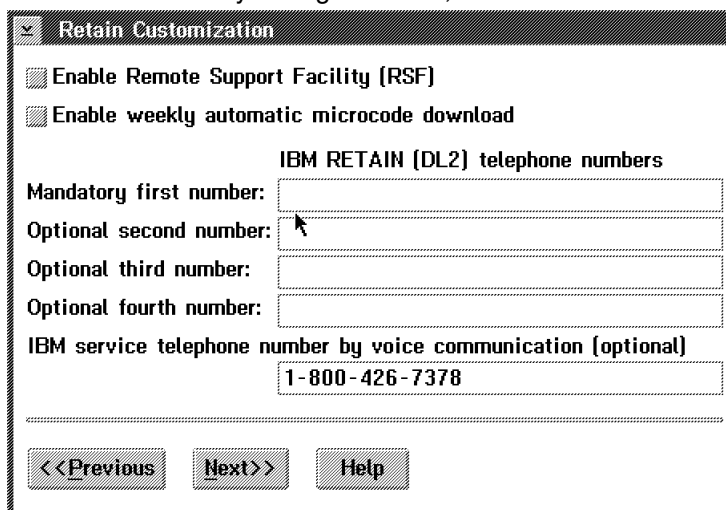
- ___ 15. On the **Token-Ring 3270 Session Customization** screen, verify the information recorded and make the necessary changes. Then, click on **Next>>** button.



The screenshot shows the 'Token-Ring 3270 Session Customization' window. It contains the following fields and controls:

- Host code page:** A dropdown menu showing '297 France'.
- LU local/NAU address:** A numeric spinner box set to '3', with the label 'numerical [1-255]'.
- Long session/LU name:** A text box containing the letter 'B'.
- Number of sessions:** A numeric spinner box set to '1', with the label 'numerical [1-4]'.
- At the bottom, there are three buttons: '<<Previous', 'Next>>', and 'Help'. A mouse cursor is pointing at the 'Next>>' button.

- ___ 16. On the **Retain Customization** screen, verify the information recorded and make the necessary changes. Then, click on **Next>>** button.



The screenshot shows the 'Retain Customization' window. It contains the following fields and controls:

- Two checkboxes: 'Enable Remote Support Facility (RSF)' and 'Enable weekly automatic microcode download', both of which are checked.
- A section titled 'IBM RETAIN (DL2) telephone numbers'.
- Four text input fields: 'Mandatory first number:', 'Optional second number:', 'Optional third number:', and 'Optional fourth number:'. A mouse cursor is pointing at the 'Optional second number' field.
- A text input field labeled 'IBM service telephone number by voice communication (optional)' containing the value '1-800-426-7378'.
- At the bottom, there are three buttons: '<<Previous', 'Next>>', and 'Help'.

Which link have you selected in step 10 on page 10

- **DCAF** Link/Operations, go to step 17
- **JAVA** Link/Operations, go to step 18 on page 16

___ 17. On the **DCAF Customization** screen, verify the information recorded and make the necessary changes. Then, click on **Next>>** button.

DCAF Customization			
Attached Consoles			
	LU name	Destination address (hexadecimal)	RSAP (hex [04-9C])
<input checked="" type="checkbox"/> SNA	DCAFSNA	400000502080	04
<input checked="" type="checkbox"/> APPN	DCAFAPPN	400000502080	08
<input checked="" type="checkbox"/> LAN	DCAFLAN		

SDLC Attached Console	
<input checked="" type="checkbox"/> SDLC	DCAFSDLC
Accept any incoming calls on SP? <input checked="" type="radio"/> Yes <input type="radio"/> No	
Local phone number: 0492116106	

<<Previous Next>> Help

Go to step 20 on page 18

- ___ 18. On the **JAVA Customization** screen, enter/select the following options:
- Click on **NO** to reject any incoming call.
 - Local Phone number** which is the phone number of the modem connected to the SP.
 - The **IP addresses** of:
 - The **PPP-server**. This is PPP address of the **service processor**.
 - The **PPP-client**. This is PPP address of the **remote station**.
- Note:** These IP addresses must be in the same subnet than the IP addresses of the units connected to the service LAN.
- The **DTE speed** which must set according to the type of the modem installed (use the helps for more details).

Then, click on **Next>>** button.

The screenshot shows a window titled "Point-to-Point Protocol Configuration". It contains two main sections: "PPP Server Customization" and "PPP Client Login Customization".

PPP Server Customization:

- Accept any incoming calls on SP? ☒ Yes ☐ No
- Local phone number: 33 04 92 11 40 00
- Table with columns: IP Address, Subnet mask, Hostname
- PPP Server: 192.9.200.7, 255.255.255.0, SSP11111
- PPP Client: 192.9.200.8, 255.255.255.0
- DTE Speed: 57600, MRU Size: 1500

PPP Client Login Customization:

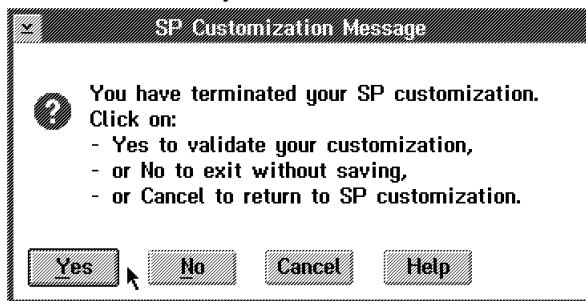
- Customer: CSP11111, IBM Service: ISP11111
- User Name: [masked], Password: [masked]
- View/Change Passwords button

Navigation buttons at the bottom: <<Previous, Next>>, Help.

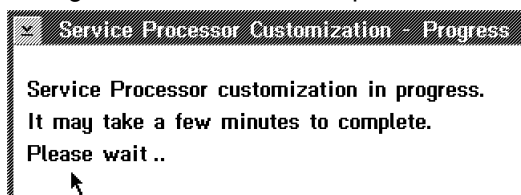
- ___ 19. On **JAVA Console Configuration** screen, do not modify the passwords this the responsibility of your customer. Click on **Next>>** button.

Java Console Configuration		
	login	Password
SP :	SP34567	
NNP-A :	CA134567	
NNP-B :		
View/Change Passwords		
<div style="display: flex; justify-content: space-between; padding: 5px;"> <<Previous Next>> Help </div>		

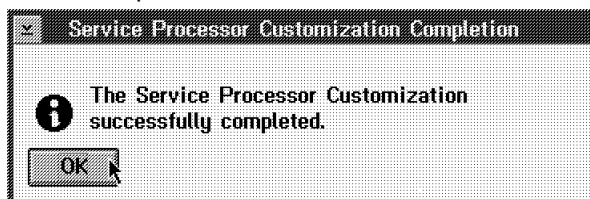
- ___ 20. On **SP Customization Message** screen, click on **Close**, then click on **Yes** button to validate your customization.



- ___ 21. The Service Processor customization start, follow the progress on the following screen. wait until completion.



- ___ 22. When completed, click on **OK** button.



- ___ 23. If necessary, the Service Processor will reboot automatically, then you are prompted to log On the MOSS-E. Otherwise go to next step

Note: If an error occurs, note the displayed message and press **Enter**. Keep the diskette available for investigation (log files: EULHIERR.LOG, OUT_BAK.1 and OUT_BAK.2), stored on diskette and hard disk for PE.

Have you any NNP installed?

- **YES**, go to 9.1.11, "Upgrading the NNP(s) on 3746-9x0." on page 19.
- **NO**, go to 9.2.1, "Applying the Latest MCFs Received." on page 28.

9.1.11 Upgrading the NNP(s) on 3746-9x0.

- ___ 1. On the **MOSS-E View** screen, double click on the **3746-9x0** icon.
- ___ 2. On the **3746-9x0 Menu** screen, click on **Network Node Processor (NNP) Management**.
- ___ 3. Double click on **Install/Remove/Change/Restore LIC/NNP**.
- ___ 4. Click on **NNP-A**, then click on **Restore LIC on NNP**.
- ___ 5. When requested, insert the NNP installation diskette **PN 26L0237** in the SP then in the NNP diskette drive.
- ___ 6. Select the NNP type and follow the prompts until **Operation successfully completed** (Up to 45")

Note: Click on OK to clear the alarm saying that the SP/APPN CP link has been lost.
- ___ 7. Click on **Close**, then clear reconnection alarm.
- ___ 8. **If installed, repeat on the above procedure on NNP-B**; then, continue with next step.

Have you a MAE installed?

- **NO**, go to 9.2.1, "Applying the Latest MCFs Received." on page 28.
- **YES**, are you migrating the MAE installed from **FC 3000** to **FC 3001**?
 - **NO**, go to 9.1.12, "Installing the MAE" on page 20.
 - **YES**, perform the following procedures in sequence:
 1. ___ Verify the **PN** of the **MAE system card** plugged in your MAE. If the **PN** of the card is one of the following: **78H6297, 11J7464, or 89H8395**, **replace** the card using the installation instructions **PN 02L4064** then go to next step.
 2. ___ Using the installation instructions **PN 02L1268**, install the new hardware required to support FC 3001 when completed go to next step.
 3. ___ Did your customer decide to remove the token-ring link between the MAE and the 3746-9X0?
 - **YES**, using the installation instructions **PN 26L0379**, remove this link then go to 9.1.12, "Installing the MAE" on page 20.
 - **NO**, go to 9.1.12, "Installing the MAE" on page 20.

9.1.12 Installing the MAE

- ___ 1. Double click on the "**3746-9X0 object icon**"
- ___ 2. Click on "**Multiaccess Enclosure Management**".
- ___ 3. Now double click on **Install/Remove/Change LIC on MAE**.

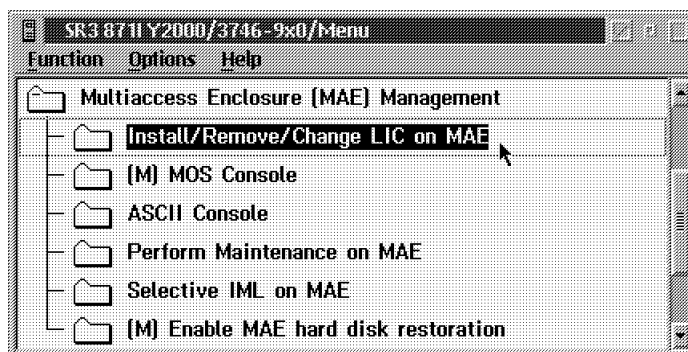


Figure 1. Install Multiaccess Enclosure

- ___ 4. What is the level of code currently installed on the SP hard disk:
 - **F12430**, click on **Change LIC on MAE...**, then go to step 8 on page 21.
 - Prior to **F12430**, click on **Install MAE...**, then go to step 5 on page 21.

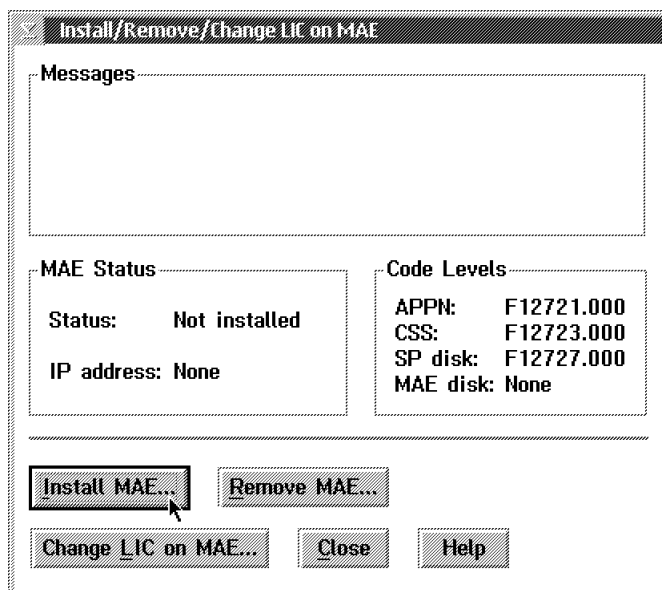
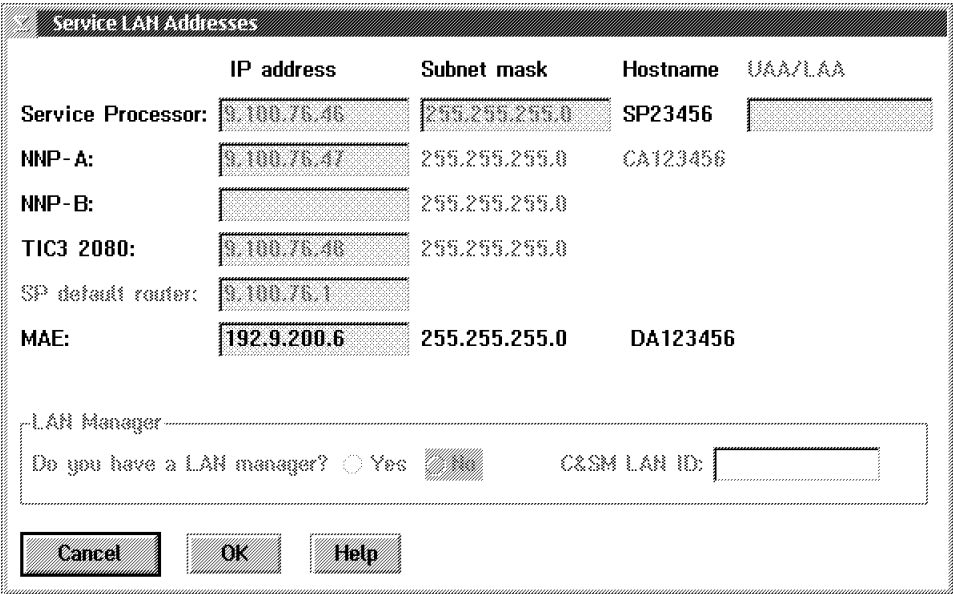


Figure 2. Install Multiaccess Enclosure

- ___ 5. Verify or enter the **MAE IP address**, then click on **OK**.



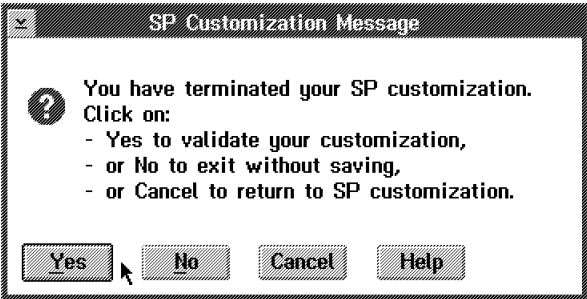
The 'Service LAN Addresses' dialog box contains a table with the following data:

	IP address	Subnet mask	Hostname	UAA/LAA
Service Processor:	9.100.76.46	255.255.255.0	SP23456	
NNP-A:	9.100.76.47	255.255.255.0	CA123456	
NNP-B:		255.255.255.0		
TIC3 2080:	9.100.76.48	255.255.255.0		
SP default router:	9.100.76.1			
MAE:	192.9.200.6	255.255.255.0	DA123456	

Below the table, there is a section for 'LAN Manager' with the question 'Do you have a LAN manager?' and radio buttons for 'Yes' and 'No' (selected). A text field for 'C&SM LAN ID:' is also present. At the bottom are 'Cancel', 'OK', and 'Help' buttons.

Figure 3. Service LAN Addresses

- ___ 6. Click on **Yes** to record your parameters.



The 'SP Customization Message' dialog box contains the following text:

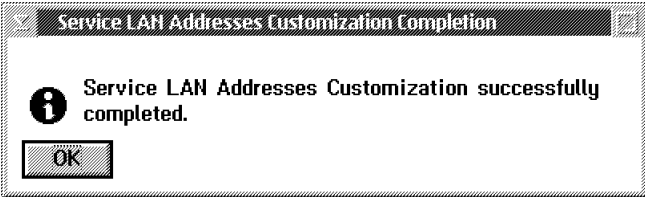
? You have terminated your SP customization.
Click on:

- Yes to validate your customization,
- or No to exit without saving,
- or Cancel to return to SP customization.

At the bottom are 'Yes', 'No', 'Cancel', and 'Help' buttons. A mouse cursor is pointing at the 'Yes' button.

Figure 4. SP Customization Message

- ___ 7. When completed, click on **OK**.



The 'Service LAN Addresses Customization Completion' dialog box contains the following text:

i Service LAN Addresses Customization successfully completed.

At the bottom is an 'OK' button.

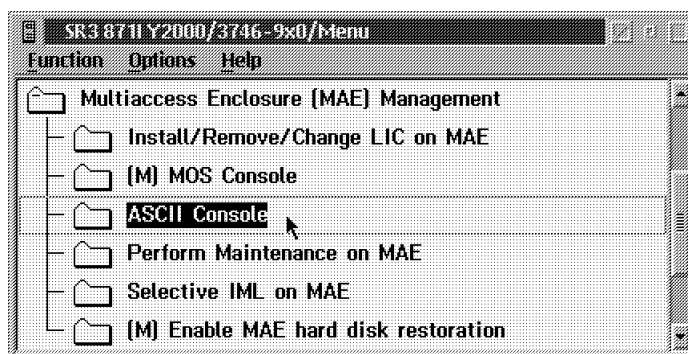
Figure 5. SP Customization Completed

- ___ 8. The MAE code is now being installed (it takes about 10 mn), when completed click on **Close**.

Note: After a few minutes, verify that the MAE link icon is **green** (polling the MAE does not start immediately to give the green icon).

9.2 Installing the firmware

- ___ 1. Double click on **ASCII Console**".



- ___ 2. Press the **Reset** button on the MAE.
- ___ 3. Several window are displayed during tests. Wait until the **Boot Information** window is displayed.
- ___ 4. Press **F1** when prompted (to prematurely terminate boot).
- ___ 5. Enter the Multiaccess Enclosure supervisory password when required: **2216**.
- ___ 6. On the **System Management Services** window, select **option 4 - Utilities**, press **Enter**.

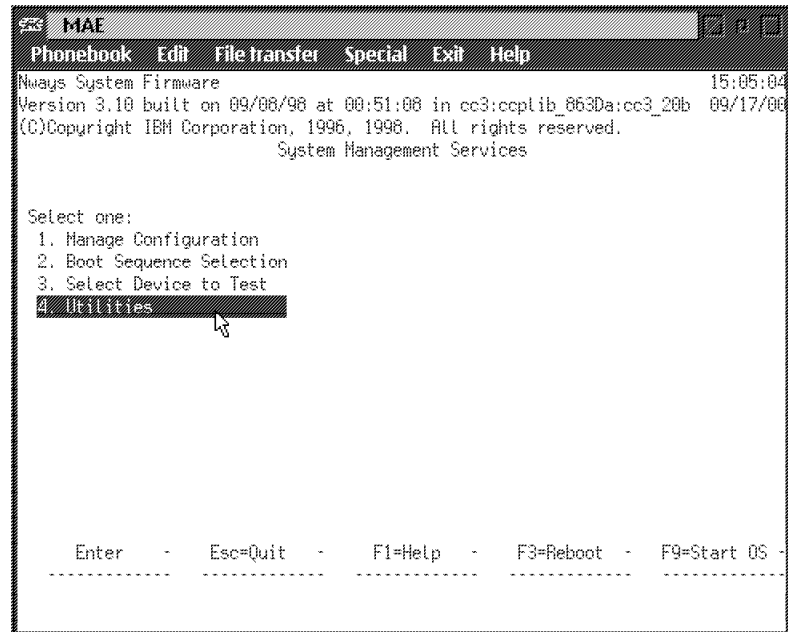


Figure 6. MAE

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- ___ 7. Select **7. Update System Firmware** from the utilities panel, press **Enter**

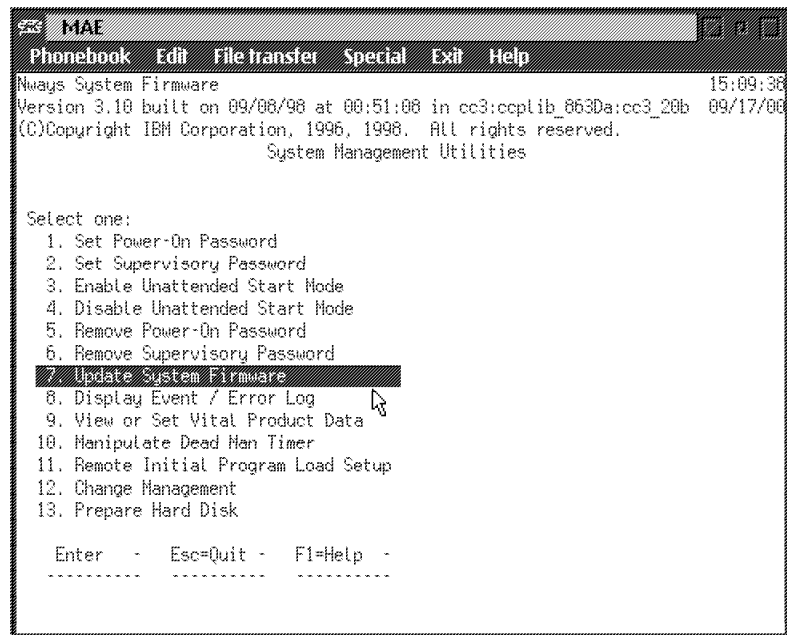
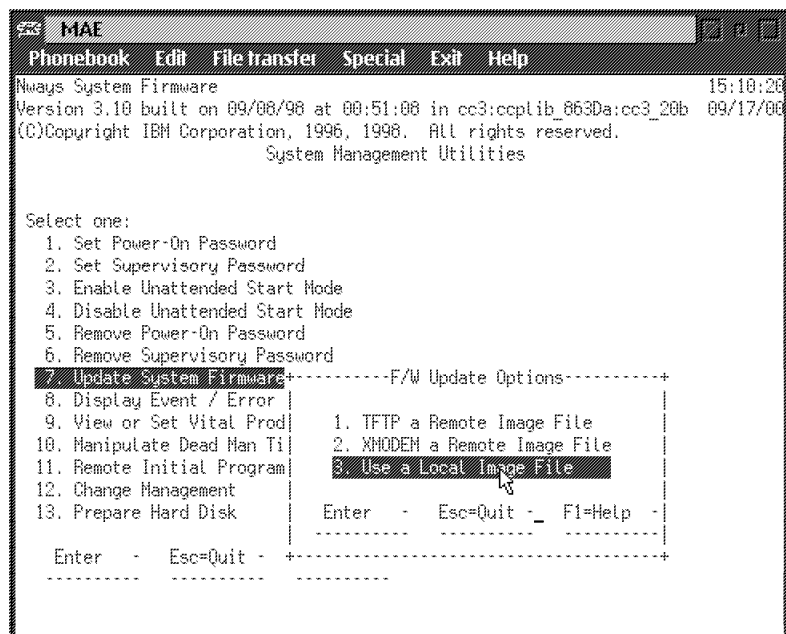


Figure 7. MAE

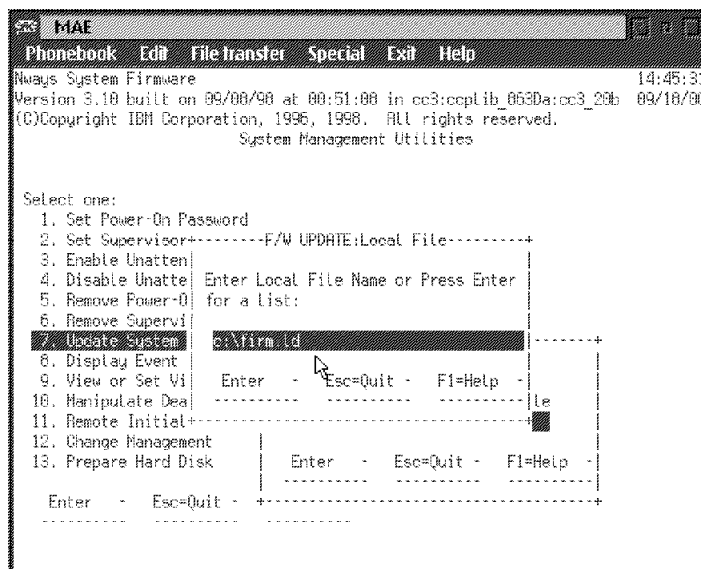
Attention: Do not power off the multiaccess enclosure during the process of updating the firmware. If the update fails, the multiaccess enclosure will boot a backup firmware image. If this happens, repeat the update procedure to reload the onboard firmware image.

- ___ 8. From the **F/W Update Options** menu, select **3. Use a Local Image File**, then press **Enter** and follow the prompts.

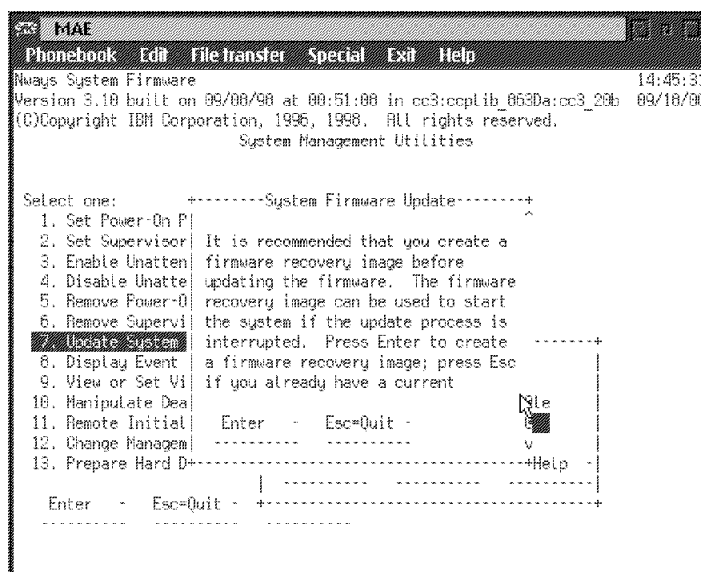


___ 9. Enter the **Local File Name:** **c:\firm.id**, then press **Enter**

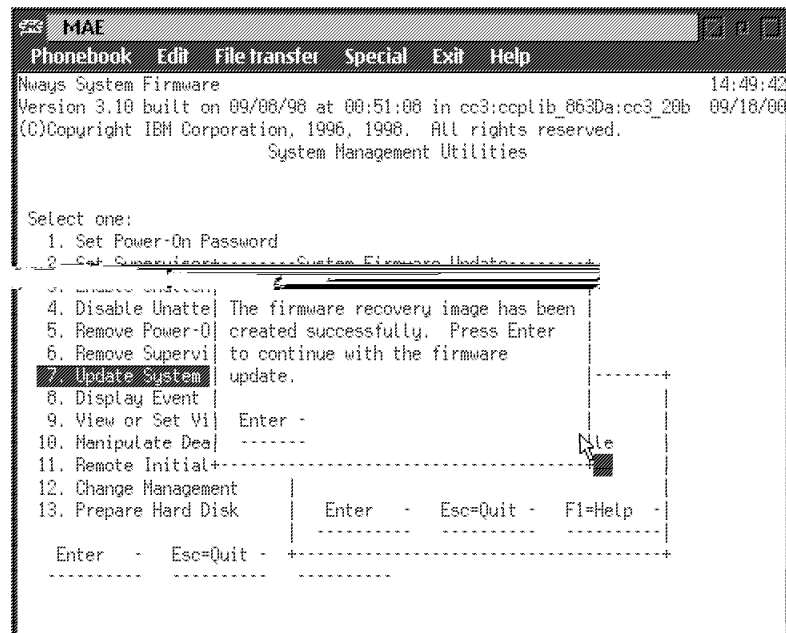
Note: If the firmware loaded on the MAE system card is at the same level as the firmware loaded on the SP hard drive, you will get the following message: "The firmware update file is at the same level as the system firmware. Firmware update cancelled. Press enter". Then go to 9.2.1, "Applying the Latest MCFs Received." on page 28, otherwise continue with the next step.



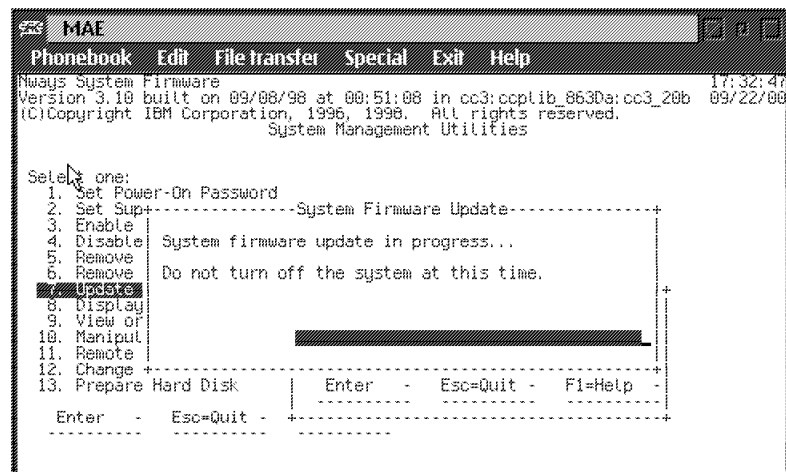
___ 10. On confirmation window, press **Y**. Then when this window is displayed, press **Enter**.



___ 11. When recovery image has been done, press **Enter**.



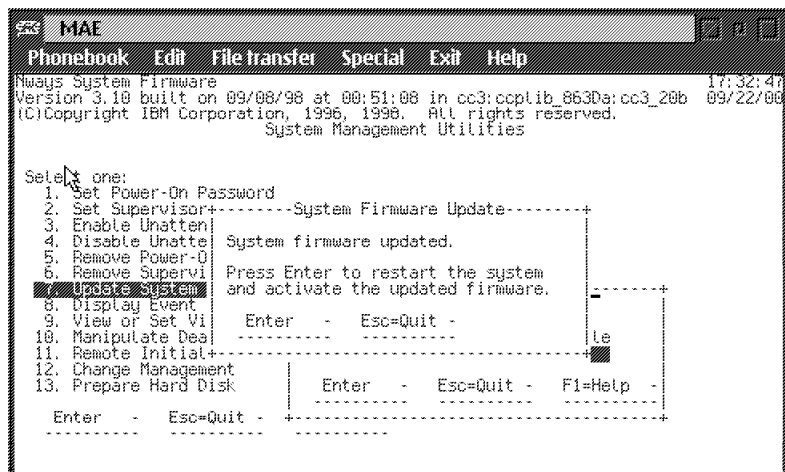
___ 12. Several windows are displayed following by:



Note: Do not switch the system off. The process erases the old firmware and copies the new firmware into flash memory. If the machine is powered off before the process is complete, you will need to reload the firmware from the recovery image.

3745 FFBM	PN 42L2839 27 of 34	EC F52322 09 OCT 1998	EC F12701A 14 DEC 1998	EC F64822 19 MAR 1999	EC F70078 22 APR 1999	
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___ 13. A completed message appears when the firmware is updated.



___ 14. Press **Enter** to restart the system.

___ 15. Press the **Space bar** to get the console.

___ 16. Then close the ASCII window and go to 9.2.1, "Applying the Latest MCFs Received.."

9.2.1 Applying the Latest MCFs Received.

Important

Did you receive from your Support Center any MCFs to be installed on the new LIC?

No Go to 9.3, "Procedure 2 - 3746-9x0 Code Level Upgrade." on page 29.

YES Apply the MCFs received according to procedure '**Handling the Micro-code Fixes on the Licensed Internal Code**' listed in the SPIM or Service User's Guide shipped with your SP.

End of Procedure 1, Go to 9.3, "Procedure 2 - 3746-9x0 Code Level Upgrade." on page 29.

9.3 Procedure 2 - 3746-9x0 Code Level Upgrade.

Important

Ask the Customer for a maintenance window on the 3746-9x0 with traffic deactivated.

9.3.1 3746-9x0 EEPROM Upgrade.

- ___ 1. Click on **3746-9x0 Menu**.
- ___ 2. Click on **Change Management**.
- ___ 3. Double click on **Upgrade/Downgrade EEPROM**.
- ___ 4. The **Upgrade Status** area will show the processors to be changed in reverse video.
- ___ 5. Click on **OK** to start the upgrade function, wait (up to 10 minutes) until the Upgrade Status is completed for each processor.
- ___ 6. Click on **Cancel** to leave the function.

9.3.2 Saving Configuration Parameters

- ___ 1. Double click on the **Service Processor** icon.
- ___ 2. Click on **Operation Management**.
- ___ 3. Double click on **Manage Disks and Databases**.
- ___ 4. Use the radio button to select **Save databases on diskette** to save the configuration parameters. When prompted, insert **Configuration Parameters diskette** (PN 02L3427) into the diskette drive.
- ___ 5. Click on **OK** and wait for completion. If error, record the message and contact support.
- ___ 6. Remove the diskette, then click on **Cancel** to exit from the function.

9.3.3 Updating Installation Parameters Diskettes

Once you have upgraded the hardware of the machine, you have to regenerate the format on the Installation Parameters Diskettes using the following procedure: (Duration approximately 13 minutes)

- ___ 1. On the **Service Processor** menu, click on **Configuration Management**, click on **Manage 3745/3746 Installation/Removal**.
- ___ 2. On the **Controller Installation** menu, Click on the **3746-9x0** installed, then Click on **SAVE**.

Following pop up window confirming **Saving Active CDF-E as Reference**:

- ___ 3. Insert the **3746-900 installation parameters diskette (PN 17G5878)** of the 3746-9x0, then click on **OK**.
- ___ 4. On the third pop up screen confirming CDF-E saved to diskette, remove diskette as instructed, click on **OK**.

- ___ 5. Perform the above saving procedure for the backup diskettes, then click on **Cancel**.

9.3.4 Performing a General IML.

- ___ 1. On the **MOSS-E View** screen, double click on the **3746-9x0** icon.
- ___ 2. On the **3746-9x0 Menu** screen, click on **Operation Management**.
- ___ 3. Double click on **Perform a General IML**; Then click on **Yes** button
- ___ 4. On the **Perform a General IML** window, click on **NO** to start an IML without diagnostic.

Important Note

Following this installation of code you can get a lot of **SRC/error messages** about IP. **Ignore** these messages and using CCM **re-activate** the configuration currently in use. When opening or activating this configuration, take the option to **migrate** this configuration.

All the other configurations have to be migrated. This migration is done only once when opening or activating the configuration for the first time.

9.4 Returning the Machine to Customer

If you are migrating a MAE from FC 3000 to FC 3001, read the following note.

Note: If your customer has decided to remove the Token-ring link between the MAE and the 3746-9X0 (no more APPN traffic between the MAE and 3746), ask him to update his configuration to remove the definition of the resources used for this link.

Go To

Before starting the installation of this EC, which level of code was installed on your SP ?

- Microcode EC **F12380X** or above (microcode available on **CD-ROM**), go to 9.4.2, "Logging OFF from Service Processor." on page 33
- Any other EC level **prior to F12380** (microcode available on **OD**) , go to 9.4.1, "Adapter Code Loading per Processor Type." on page 31.

9.4.1 Adapter Code Loading per Processor Type.

Note

This procedure is used to define which network routing protocol is loaded per processor type. If your customer do not want to specify this information, go to 9.4.2, "Logging OFF from Service Processor." on page 33 (All protocols will be loaded in all type of processors).

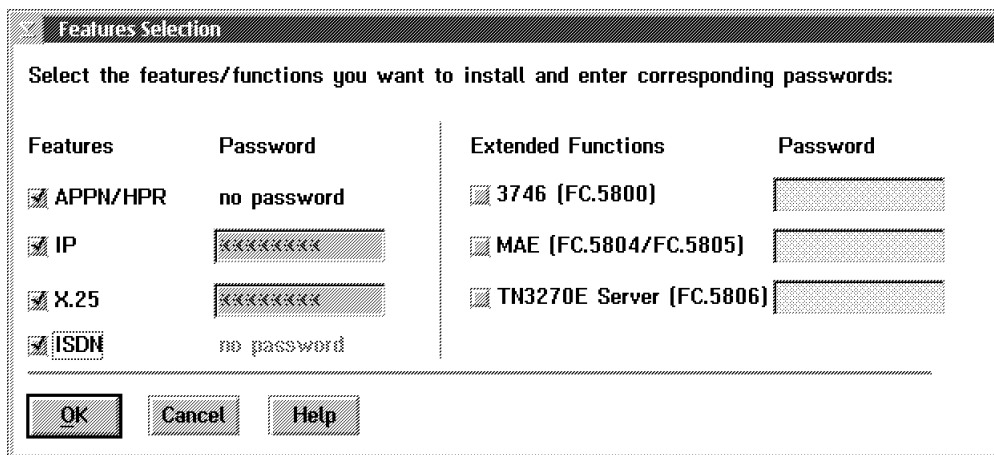
1. On the **Service Processor** menu, click on **Configuration Management**, then click on **Manage 3745/3746 Installation/Removal**
2. On the **Controller Installation** menu, select the 3746-9x0 by clicking on the **<3746-9x0>** line, then click on **"Select Feature"**.

Controller	Type	Model	S/N	Last changes saved
BS8-810L	<3745 not installed> 3746	950 (APPN)	12-34567	<Not saved>
BS FVT	3745	900	BS-24681	<Not saved>
	3746	900	BS-24681	<Not saved>
<New>	<3745 not installed> <3746 not installed>			
<New>	<3745 not installed> <3746 not installed>			
<New>	<3745 not installed> <3746 not installed>			
<New>	<3745 not installed> <3746 not installed>			

Buttons: Add... Save... Remove... Clean... Change... Repair... Select Feature (highlighted) Cancel Help

Status bar: 3746 M.E.S. 900->950

3. On the **Feature Selection** menu, click on **OK**.



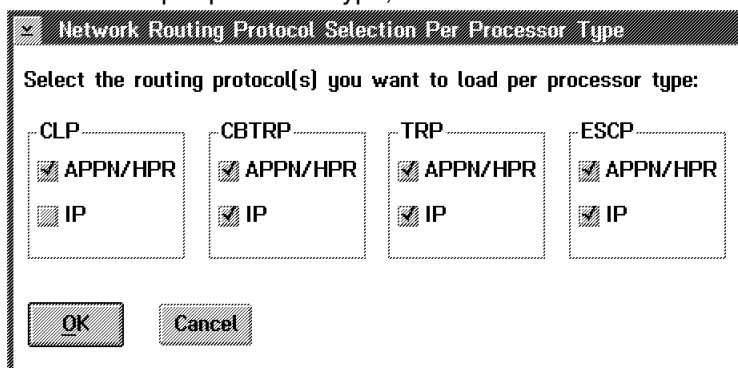
Features Selection

Select the features/functions you want to install and enter corresponding passwords:

Features	Password	Extended Functions	Password
<input checked="" type="checkbox"/> APPN/HPR	no password	<input type="checkbox"/> 3746 (FC.5800)	
<input checked="" type="checkbox"/> IP	xxxxxxx	<input type="checkbox"/> MAE (FC.5804/FC.5805)	
<input checked="" type="checkbox"/> X.25	xxxxxxx	<input type="checkbox"/> TN3270E Server (FC.5806)	
<input checked="" type="checkbox"/> ISDN	no password		

OK Cancel Help

4. According to the customer's requirement, On the **Network Routing Protocol Selection Per Processor Type** menu, disable or enable the protocol loaded per processor type, then click on **OK** button.



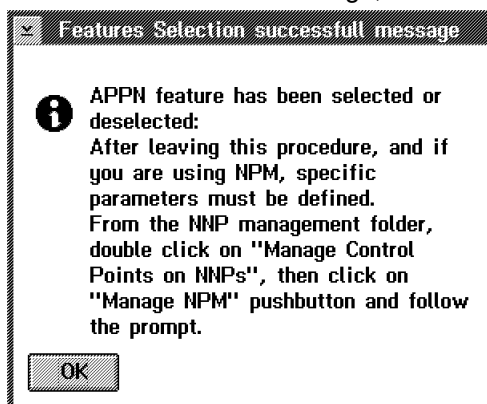
Network Routing Protocol Selection Per Processor Type

Select the routing protocol(s) you want to load per processor type:

CLP	CBTRP	TRP	ESCP
<input checked="" type="checkbox"/> APPN/HPR	<input checked="" type="checkbox"/> APPN/HPR	<input checked="" type="checkbox"/> APPN/HPR	<input checked="" type="checkbox"/> APPN/HPR
<input type="checkbox"/> IP	<input checked="" type="checkbox"/> IP	<input checked="" type="checkbox"/> IP	<input checked="" type="checkbox"/> IP

OK Cancel

5. Read the information message, then click on **"OK"** button.



Features Selection successfull message

i APPN feature has been selected or deselected:
 After leaving this procedure, and if you are using NPM, specific parameters must be defined.
 From the NNP management folder, double click on "Manage Control Points on NNPs", then click on "Manage NPM" pushbutton and follow the prompt.

OK

6. When completed, click on **"OK"** and perform a general IML to activate the feature installed, then go to 9.4.2, "Logging OFF from Service Processor." on page 33

9.4.2 Logging OFF from Service Processor.

- ___ 1. On **MOSS-E View** window, click on **Program**.
- ___ 2. Click on **LOG OFF MOSS-E**.

10.0 Test Procedures

Not applicable.

11.0 Field Updating

None.

After Installation (Steps 13-15)

12.0 Publications Update

None.

13.0 Parts Disposition

All removed parts become the property of IBM. You **MUST RETURN** these parts according to the following instructions.

- **For Parts Listed in the RMER**

The following parts must be returned to the address given on the Returned Material Equipment Report (RMER) form.

Part Returned	Quantity
Control Unit	1

- **For Parts Not Listed in the RMER**

All these parts should be returned according to you local procedure.

Part Returned	Quantity
Display	1
External modem (if present)	1
External CD-ROM (if present)	1
External optical disk drive (if present)	1

14.0 Machine Records

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

End of instructions.