Installation of
Field Bill of Material (FBM)

PN 10K8725

Addendum to Install
Service Processor Upgrade to Type 4
6563-65U (FC 5450)
on IBM 3745 Models 17A, 21A, 31A, 41A, or 61A
or
IBM 3746 Model 950.

Written by: M. Ardisson
Modified by: G. Smith
Checked by: J. Combes
Approved by: J. P. Fillaudeau
Reviewed by: A. Bowen

3745	PN 10K8725	EC F70119				
FBM	1 of 16	27 MAR 2000				

2

3745	PN 10K8725	EC F70119				
FBM	2 of 16	27 MAR 2000				

2

Before Installation (Steps 1-7)

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

2.1 Prerequisites

EC 70109 - check that the new Service Processor Type 6563-65U is present.

3.0 BMs to be Installed

FBM   **Title**
10K8725   Install cables and plate.

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.

3745 FBM	PN 10K8725 3 of 16	EC F70119 27 MAR 2000				

6.0 Purpose and Description

6.1 Purpose

To install plate and cables that were missing for the Service Processor system unit or display based on Service Processor Type 6563-65U.

6.2 Description

Install plate and cables.

7.0 Installation Time

FBM	Machine Hrs.	System Hrs.	Nbr of CE
10K8725	see Note	00.0	1

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

Installation (Steps 8-11)

8.0 Safety

None.

9.0 Details of Installation

9.1 Checking System Unit, Display, and Keyboard

___ 1. Have you already installed the Service Processor upgrade to Type 4?

If no: proceed with Installation Instruction 10K8658 with additional parts provided with the FBM 10K8725 (see Step 9.2, "Installing Plate and Cables" on page 7).

If yes: If only cable extenders were missing, check the received parts (see Step 9.2, "Installing Plate and Cables" on page 7) and use them as extension cables (see Figure 1).
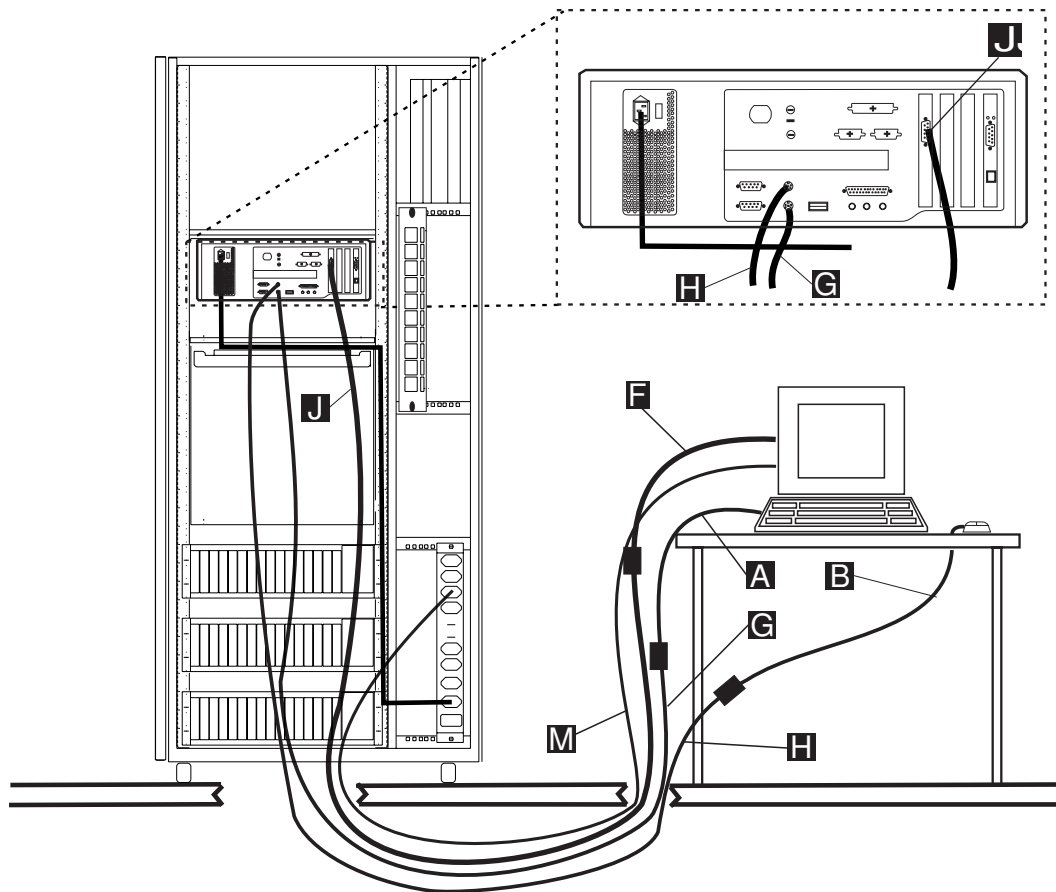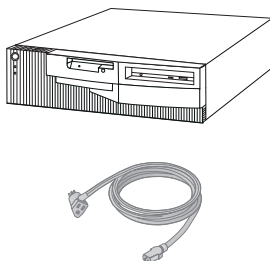
3745	PN 10K8725	EC F70119				
FBM	5 of 16	27 MAR 2000				

5

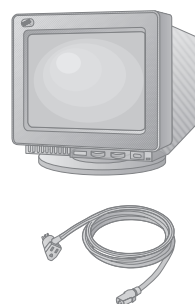Figure 1. Install the Display and Keyboard on Table

Notes:

a. If you are installing the keyboard and the mouse outside of the controller expansion, use the keyboard extender cable PN 10K8632 **G** and the mouse extender cable PN 10K8633 **H** (see Figure 1).

b. If you are installing the display outside of the controller expansion, use the extender cable PN 59G1270 **J** (see Figure 1).

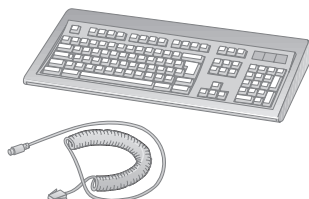| 3745	PN 10K8725	EC F70119				
FBM	6 of 16	27 MAR 2000				

___ 2. Ensure that the following items are present:
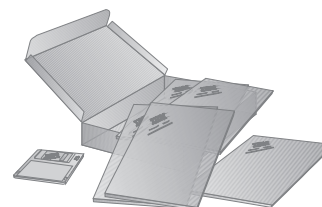
□ Service Processor and
Power Cord

□ Display and
Display Power Cord

□ Keyboard, Mouse,
and Keyboard Cable

□ Publications and diskettes

9.2 Installing Plate and Cables

___ 1. Check that you have received:

a. Two brackets (PN 58G5752)
b. One plate (PN 58G5755)
c. One label (PN 0782966)
d. Four screws (PN 1621230), and four screws (PN 2665527), and two screws (PN 1621232)
e. One cable extender (PN 10K8632)
f. One cable extender (PN 10K8633)
g. One cable extender (PN 59G1270)

3745	PN 10K8725	EC F70119				
FBM	7 of 16	27 MAR 2000				

___ 2. Using label (PN 0782966), identify your Service Processor-A or Service Processor-B by sticking the appropriate label **A** on the front side of the unit (see Figure 2).
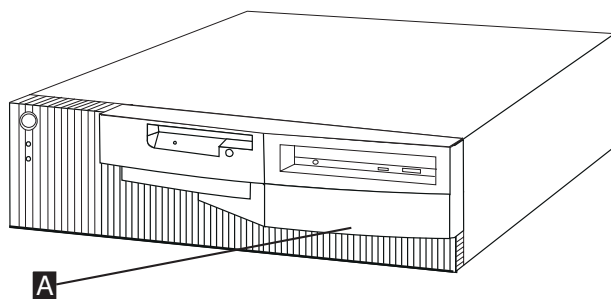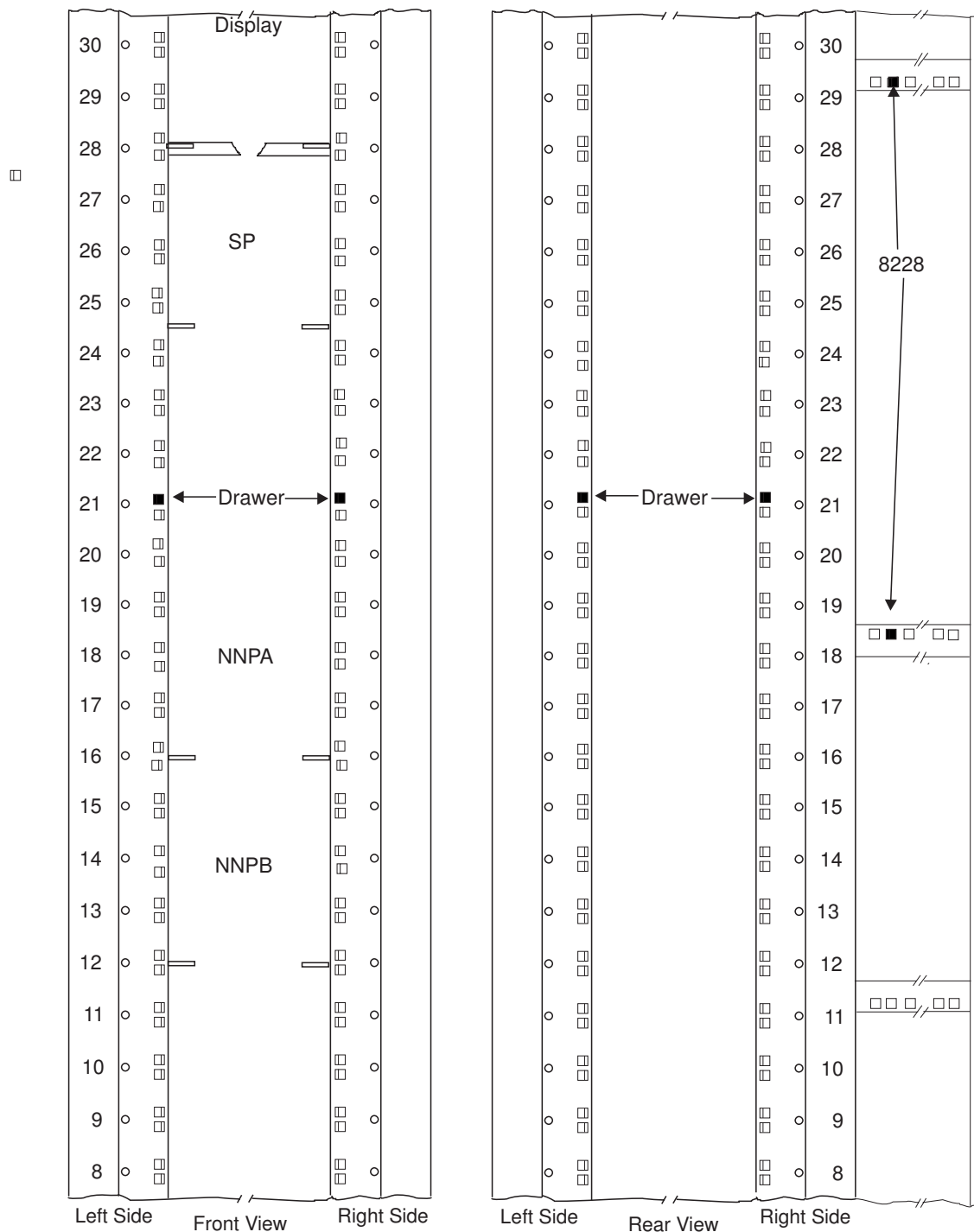
Figure 2. Install Label on Front Side of the Service Processor

___ 3. Open the front and rear doors of the Controller Expansion. Locate the positions (see Figure 3 on page 9) to install the brackets for the missing display or Service Processor. Locate also the position to install the service drawer.

3745	PN 10K8725	EC F70119				
FBM	8 of 16	27 MAR 2000				

8

Note: The symbol "■" identifies the locations to install the captive nuts.

Figure 3. Install Captive Nuts and Brackets for the Display, Drawer, SP and NNP Based on PC Type 6563

___ 4. For the display or the Service Processor, install two brackets **1** (PN 58G5752) and secure using four screws (PN 2665527) (see Figure 4).

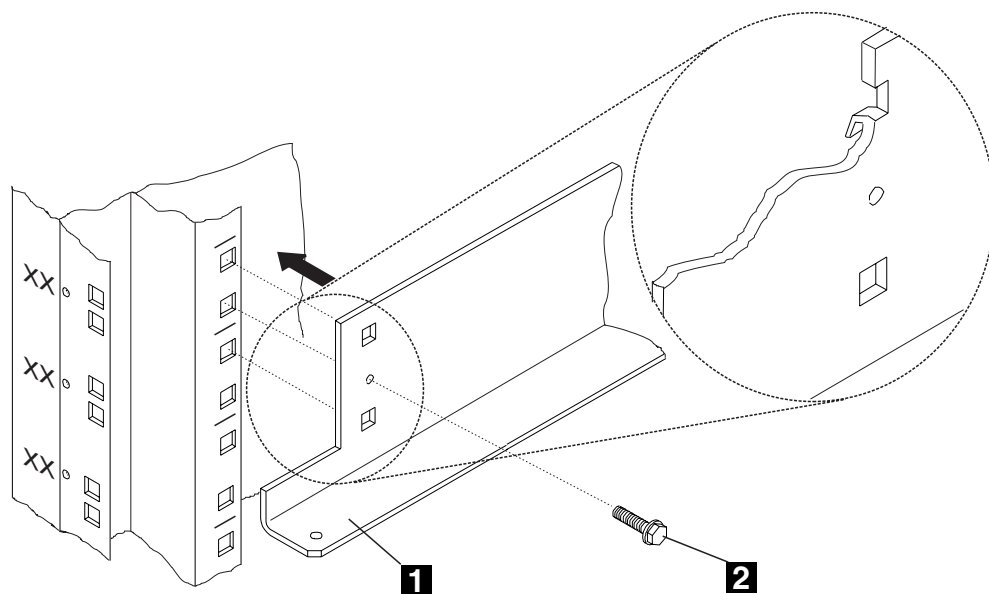| 3745	PN 10K8725	EC F70119				
FBM	9 of 16	27 MAR 2000				

9

Figure 4. Installing Brackets (PN 58G5752)

__ 5. On the brackets installed for the display or the Service Processor, install plate **4** (PN 58G5755) using four screws **3** (PN 1621230) (see Figure 5).
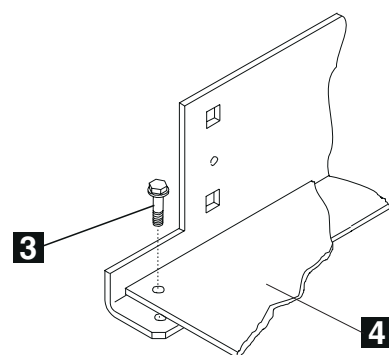

Figure 5. Installing Plate (PN 58G5755)

3745	PN 10K8725	EC F70119				
FBM	10 of 16	27 MAR 2000				

10

___ 6. To install the Service Processor in the Controller Expansion, go to Step 7. Otherwise, go to Step 12 on page 12.

___ 7. Shutdown and power off the Service Processor.

___ 8. Disconnect all cables from the Service Processor.

___ 9. Slide the Service Processor Unit on the plate as shown in Figure 6.

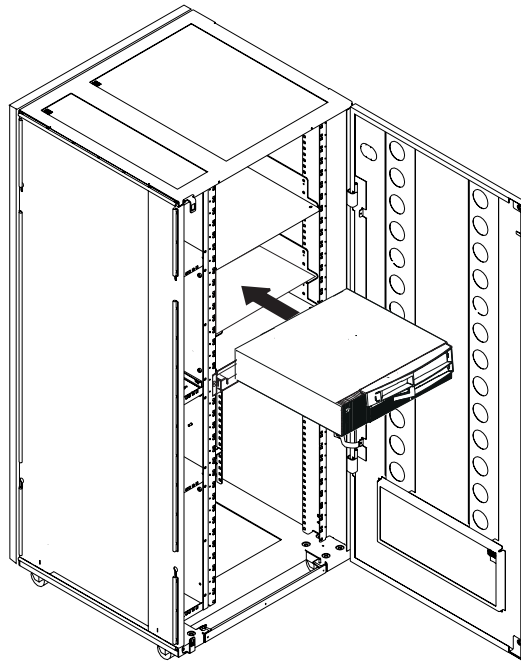Figure 6. Installing the Service Processor Unit in the Controller Expansion (Front Side)

3745	PN 10K8725	EC F70119				
FBM	11 of 16	27 MAR 2000				

11

__ 10. Connect the cables (see Figure 7) to the Service Processor as follows:

    __ a. Connect the keyboard cable **A** to the connector at the rear of the Service Processor.

    __ b. Connect the mouse cable **B** to the connector at the rear of the Service Processor.

    __ c. Connect the Service Processor power cord **C** .

    __ d. Connect the token-ring cable **D** (PN 6339098) to the Service Processor connector.

    __ e. Connect the display signal cable **F** to the Service Processor connector.
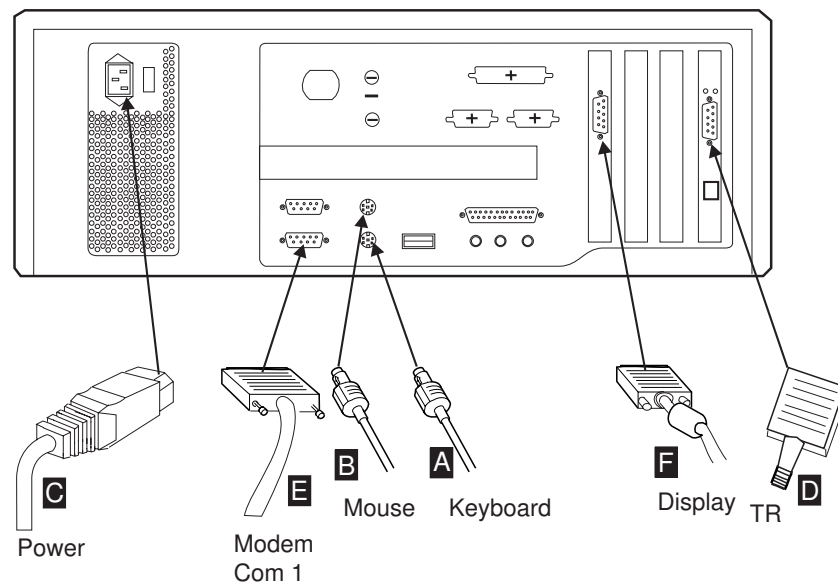
    __ f. Connect the modem cable.

Figure 7. Cable Locations

__ 11. Then go to Step 14 on page 13.

__ 12. Power off and disconnect the display from the Service Processor.

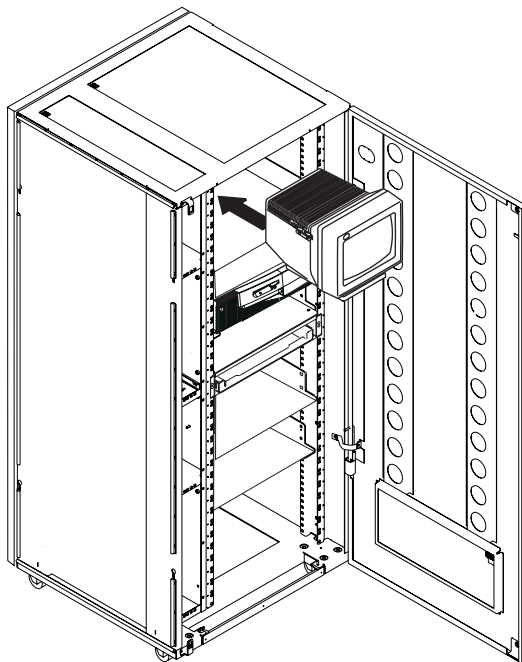___ 13. Slide the display screen into the Controller Expansion (at the top) (see Figure 8).

Figure 8. Installing the Display in the Controller Expansion (Front Side)

___ 14. Connect the display to the Service Processor.

3745	PN 10K8725	EC F70119				
FBM	13 of 16	27 MAR 2000				

Warning

The ac outlet distribution box is connected to a 220V power source; all the units must be set to support this voltage.

__ 15. Route and connect the power cords (PN 58G5783) from the display or Service Processor Unit to the ac outlet distribution box as shown in Figure 9. Secure these cables along the frame using tie clamps.
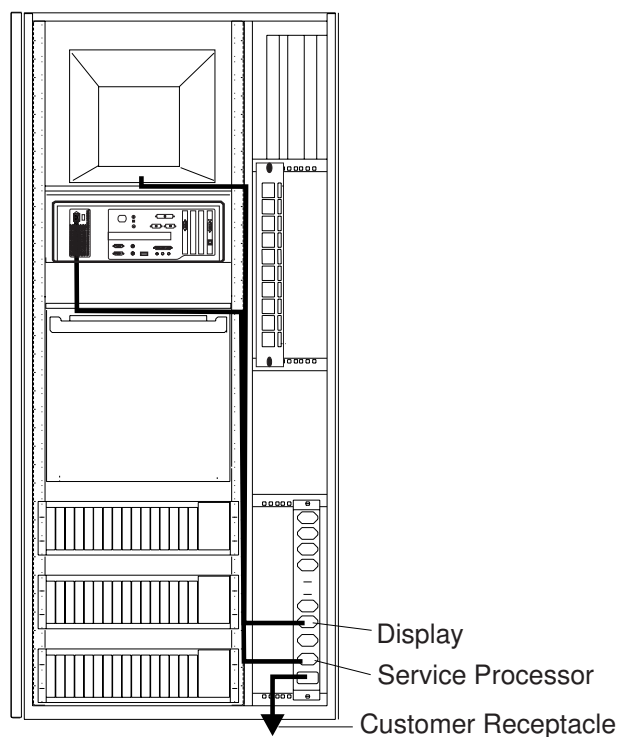

Figure 9. Power Cord Connections

3745	PN 10K8725	EC F70119				
FBM	14 of 16	27 MAR 2000				

14

___ 16. If it is not already plugged, connect the main power cord **P** coming from the ac outlet distribution box to the customer receptacle (see Figure 10).
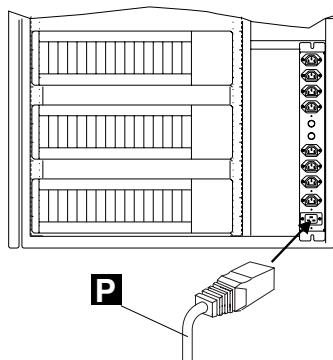

Figure 10. Power Cord for Power Strip

___ 17. If the customer ordered a "backup" Service Processor, return to Step 1 on page 5 to install this machine near the "active" Service Processor.

Install the system unit, display, and keyboard, but never connect this machine to the LAN.

The "backup" Service Processor is used to replace the "active" Service Processor if it fails.

10.0 Test Procedures

Not applicable.

11.0 Field Updating

None.

3745	PN 10K8725	EC F70119				
FBM	15 of 16	27 MAR 2000				

After Installation (Steps 12-14)

12.0 Publications Update

None.

13.0 Parts Disposition

None.

14.0 Machine Records

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

End of instructions.

3745	PN 10K8725	EC F70119				
FBM	16 of 16	27 MAR 2000				