Field Feature Bill of Material (FFBM)
PN 66X0020
INSTALLATION of a Channel Adapter
CA UK (FC 1561/1571),
or CA not UK (FC 1561/1571),
or CA and TPS UK (FC 1562/1581),
or CA and TPS not UK (FC 1562/1581)

Written by: J. Michaut
Checked by: J. Combes
Approved by: A. Badino
Reviewed by: B. Kelly

In these instructions, the generic term CA (Channel Adapter) is used for both CADS and BCCA.
CADS (Channel Adapter Data Streaming) and BCCA (Buffer Chaining Channel Adapter) terms will be
used when the identification of a specific adapter type is required.

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Before Installation (steps 1-8)

1.0 Machines Affected

3745 Models X10/X1A and 3746 Model A11.

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)

- FEATURE: For the FIRST Channel Adapter installation in 3746, FFBM 66X1124 (CA enclosure installation).
- When installing BCCA on Models 210/410 only, Microcode must be at level A37967 or later.
  Checkpoint: Check level by entering "MLT" from console.
- Documentation must be at level C98093 or later.
  Checkpoint: Check level on YZ Pages.

2.2 Concurrent

(Must be installed together)
None.

2.3 Companion

(May be installed separately)
None.

3.0 BM(s) to be Installed

Note: Review each numbered item in this section to determine your needs.

- 66X0020 - Installation instructions
- If feature 1561/1562 (CADS)

  – 66X0019 - Channel Adapter U.K.

  – or 66X0023 - Channel Adapter not U.K.

  – or 66X0025 - Channel Adapter and TPS U.K.

  – or 66X0027 - Channel Adapter and TPS not U.K.

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- If feature 1571/1581 (BCCA)

    – 34F1384 - Channel Adapter U.K.

    – or 34F1340 - Channel Adapter not U.K.

    – or 34F1386 - Channel Adapter and TPS U.K.

    – or 34F1346 - Channel Adapter and TPS not U.K.

3.1.1 As Required BM

- 80G5108 - CADS Card Exchange.

- 80G5114 - CADR Card Exchange.

- 80G5117 - SWTE Card Exchange.

- 80G5119 - Install Microcode Level C37967.

- 80G5124 - Install Documentation Level C98093.

- 66X0029 - Channel Power Supply
  (if you install a CA) in ODD position or a CA with TPS)

- 66X0055 - BPC1 card installation
  (if you install a CA in ODD position)

Specific BMs for EMEA only.

- 66X0024 - EXT. CABLES (FOR CA)

- 66X0028 - EXT. CABLES (FOR CA + TPS)

- 66X1375 - E.P.O. cable

In Domestic and APG areas, cables are shipped through the customer order chart.

4.0 Preparation

__ 1. Familiarize yourself with the purpose and details of these installation instructions before negotiating machine time with the customer.

__ 2. Check all the items and count parts listed on the BM(s) to be installed to determine whether all parts were received.

__ 3. Prepare CDS information for the Channel Adapter.
Be sure that the appropriate OLTS sections are present for diagnostic.

__ 4. Ensure that all host (UCW) updating is done (refer to *MIR*, Chapter 7 (**HOST UNIT CONTROL WORD**)).

   Notes:

   a. CA + TPS is always installed in an ODD position (1,3,5,7) of CA board and an IOC Bypass card (BPC1) is plugged in place of the following EVEN CA.

   b. CA board is shared between 2 IOC buses.

      - IOC bus group 1 drives Adapter positions 1 through 4

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- IOC bus group 2 drives Adapter positions 5 through 8.

c. When an Adapter is installed in an ODD position, a power supply (PS type3) must be installed.
A power supply supports up to two CAs or 1 CA + TPS.

___ 5. Using the *HONE Configurator sheet*, determine the frame where the feature is to be installed, then with the following tables determine the cards and power (if required) positions.

CA Installation in 01L-A1 (3745 base frame)

1) board populated with CA(s) only

		IOC bus 1				IOC bus 2		
INSTALLATION SEQUENCE	1ST	3RD	5TH	7TH	2ND	4TH	6TH	8TH
TAILGATE POSITION	1	2	3	4	5	6	7	8
SPECIFY CODE POSITION FOR BCCA	9571	9573	9575	9577	9572	9574	9576	9578
CARDS position CAL	B2	E2	G2	K2	N2	R2	T2	W2
CADR	A2	D2	F2	J2	M2	Q2	S2	V2
Power Supply (type 3)	04 01K-A1		05 01K-B1		06 01K-C1		07 01K-D1	

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2) board populated with CA + TPS(s) only

	IOC bus 1				IOC bus 2			
INSTALLATION SEQUENCE	1ST		3RD		2ND		4TH	
TAILGATE POSITION	1	2	3	4	5	6	7	8
SPECIFY CODE POSITION FOR CADS	9563		9565		9564		9566	
SPECIFY CODE POSITION FOR BCCA	9581		9583		9582		9584	
CARDS CAL / IN CADR-A / 01L-A1 CADR-B	B2 A2	C2	G2 F2	H2	N2 M2	P2	T2 S2	U2
Power Supply (type 3)	04 01K-A1		05 01K-B1		06 01K-C1		07 01K-D1	

CA Installation in 02E-A1 (3746 A11)

1) board populated with CA(s) only

	IOC bus 1				IOC bus 2			
INSTALLATION SEQUENCE	1ST	3RD	5TH	7TH	2ND	4TH	6TH	8TH
TAILGATE POSITION	9	10	11	12	13	14	15	16
SPECIFY CODE POSITION FOR BCCA	9571	9573	9575	9577	9572	9574	9576	9578
CARDS CAL position	B2	E2	G2	K2	N2	R2	T2	W2
CADR	A2	D2	F2	J2	M2	Q2	S2	V2
Power Supply (type 3)	14 02D-A1		15 02D-B1		16 02D-C1		17 02D-D1	

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2) board populated with CA + TPS(s) only

		IOC bus 1				IOC bus 2			
INSTALLATION SEQUENCE		1ST		3RD		2ND		4TH	
TAILGATE POSITION		9	10	11	12	13	14	15	16
SPECIFY CODE POSITION FOR CADS		9563		9565		9564		9566	
SPECIFY CODE POSITION FOR BCCA		9581		9583		9582		9584	
CARDS CAL IN CADR-A 01L-A1 CADR-B		B2 A2	C2	G2 F2	H2	N2 M2	P2	T2 S2	U2
Power Supply (type 3)		14 02D-A1		15 02D-B1		16 02D-C1		17 02D-D1	

__ 6. The chart below lists the various combinations of when to plug the BPC1 card in a CA board.

	IOC bus 1				IOC bus 2			
ADAP. POS.	1/9	1/10	3/11	4/12	5/13	6/14	7/15	8/16
ALL TPS	TPS	BPC1	TPS	BPC1	TPS	BPC1	TPS	BPC1
ALL CA	CA	CA	CA	CA	CA	CA	CA	CA
FULL MIX	TPS	BPC1	CA	CA	TPS	BPC1	CA	CA
ODD CA	CA	CA	CA	BPC1	CA	CA	CA	BPC1
EVEN CA	CA	CA			CA	CA		
ODD CA	CA	BPC1			CA	BPC1		

5.0 Programming

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5.1 Diagnostics Program

To reflect this change, the CDF will be performed in Step 11.0. This is essential to allow internal diagnostics to be run properly.

5.2 Systems Programs

ACF/NCP V5R3.1 is minimum level to support BCCA in buffer chaining mode. With lower level, BCCA will work in CADS mode.

BCCA does not support EP lines or Emulator Sub-channels (ESC)

The customer has to update the control program to implement this change.

```
NCP Tier      Usage Limits  (Up to...)
--------      -----------------------
  1            1 TSS/HPTSS  + 1 TRA + 2 CA
  2            2 TSS/HPTSS  + 1 TRA + 2 CA
  2.5          6 TSS/HPTSS  + 0 TRA + 4 CA
        or     2 TSS/HPTSS  + 2 TRA + 4 CA
  3            8 TSS/HPTSS  + 0 TRA + 8 CA
        or     4 TSS/HPTSS  + 4 TRA + 8 CA
  4           24 TSS/HPTSS  + 0 TRA + 16 CA
        or    20 TSS/HPTSS  + 4 TRA + 16 CA
  5           32 TSS/HPTSS  + 0 TRA + 16 CA
        or    28 TSS/HPTSS  + 4 TRA + 16 CA
```

6.0 Purpose and Description

6.1 Purpose

Install CA U.K. or not U.K., or CA with TPS U.K. or not U.K,

6.2 Description

- Install CA cards and associated Channel
- Power Supply (if required).

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7.0 Installation Time

To be reported as MES.

```
    BM(S) INSTALLED                MACHINE  SYSTEM   NUMBER
                                   HRS.     HRS.     OF CE

If feature 1561/1562                                   1
--------------------
      66X0019  (CADS UK)                     0.0
   or 66X0023  (CADS not UK)       1.2       0.0
   or 66X0025  (CADS+TPS UK)                 0.0
   or 66X0027  (CADS+TPS not UK)  1.7       0.0

If feature 1571/1581                                   1
--------------------
      34F1384  (BCCA UK)                     0.0
   or 34F1340  (BCCA not UK)       1.2       0.0
   or 34F1386  (BCCA+TPS UK)                 0.0
   or 34F1346  (BCCA+TPS not UK)  1.7       0.0

      66X0029  (power)             0.3       0.0
      66X0024
   or 66X0028  (ext.cables)        0.8

   TEST time                       0.6       0.0
                                  -----     -----
   TOTAL time    CA + TPS          3.4
                 CA w/o power      2.6
                 CA w. power       2.9
```

8.0 Tools/Material Required

ESD kit (PN 6428316).

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Installation (steps 9-11)

9.0 Safety

- This installation must be performed offline.
- 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 Installation

Before the installation, ask the customer:

__ • To set all the lines and channel addresses offline for this controller.
__ • 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 installing a CA in a Model X1A, go to Step 10.1.3, "Log the Service Processor on" on page 11.**

- **Otherwise, continue.**

10.1.2 Log the 3745-X10 Console on

__ 1. From the **CA INTERFACE DISPLAY** screen, record **Enabled channel adapters**. Then, **disable** all channel adapters.
__ 2. Wait for **Interface Status Disabled** for all CAs. Press **F4**.
__ 3. Enter the maintenance password, press **Send**.

Note: If Model 410/610, the CCU must be selected with **CSR** function before **RST**.
Perform the **CSR/RST** sequence for each CCU.

__ 4. If the CCU is running, enter **CSR** and select CCU A or/and CCU B.
Then, enter **RST** to reset the CCU(s).
The MOSS goes in **MOSS ALONE** state.

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> • **Go to Step 10.1.4, "Display the CDF" on page 11.**

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**.

10.1.3.1 Open MOSS/MOSS-E Session
___ 1. On the **MOSS-E View** window, double click on the icon of the identified 3745.
___ 2. On the **3745 Menu** window, double click on **MOSS Console**.
___ 3. When **MOSS Console** screen is displayed, enter **CID**, press **Enter.**
___ 4. From the **CA INTERF DISPLAY** screen, record **Enabled channel adapters**. Then, **disable** all channel adapters.
___ 5. When all CAs are **DISABLED**, press **F1**.

Note: On Models 41A/61A, CCU must be selected with **CSR** function before performing **RST**.
Perform CSR/RST sequence for each CCU.
___ 6. If CCU running, enter **CSR** and select CCU A or CCU B. Then, enter **RST** to reset CCU(s).
The MOSS goes in **MOSS ALONE** state.

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**.
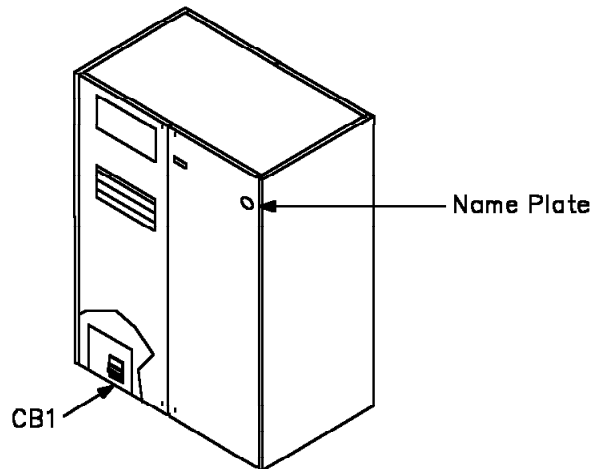___ 3. Enter **6** (CA),
        press **Send/Enter**.

With microcode level A47030 or higher	Without microcode level A47030 or higher
	- Then enter '0' for all CA
- Check for the presence of an 'N' for the CA position you are installing, according to the HONE installation sheet.	
	- note: press 'F8' to display CA position 9 to 16
- PRESS 'F1'	

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10.1.5 Run the Diagnostics

__ 1. Enter **ODG**, press **Send/Enter**.
__ 2. Enter **3** (IOCB), press **Send/Enter**.

- When **NO ERROR FOUND** is displayed, press **F1**.

- If an error is reported, see the *MIP*, Chapter 2, and follow the appropriate procedure.

10.1.6 Power OFF

__ 1. From the 3745 control panel, press the **Power OFF** key.
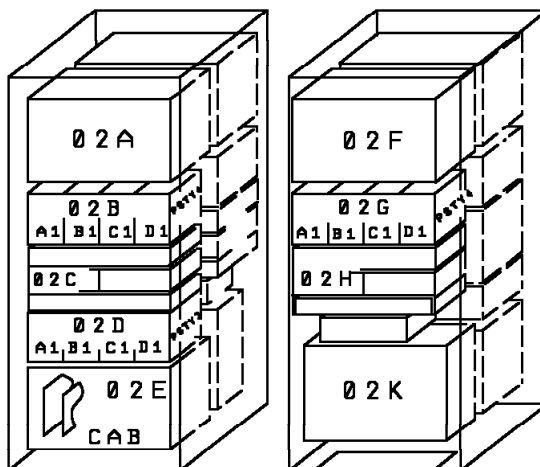__ 2. Open the left cover of the 3745, then switch **CB1** OFF.

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10.2 Hardware Installation

Warning: Follow the existing ESD procedures when handling logic parts.

10.3 Tailgate Installation

__ 1. With the *Hone configuration sheet* and tables in Step 4.0, "Preparation" on page 4, open the system cover of the frame where the adapter is to be installed.
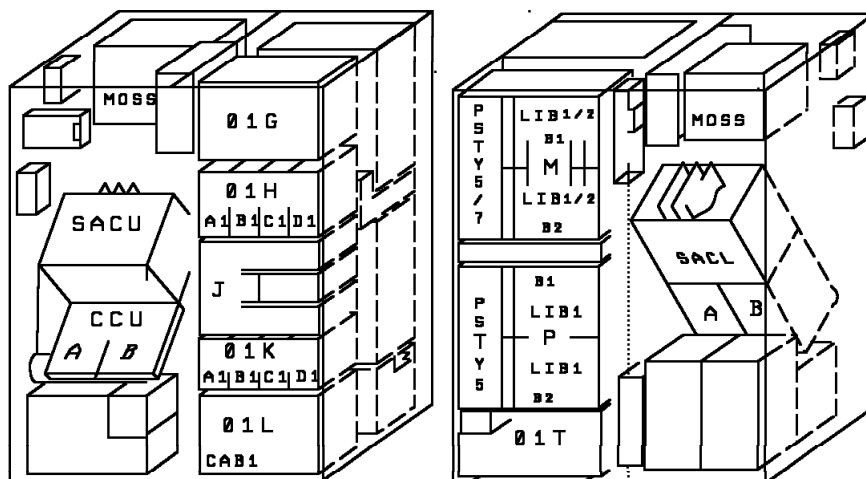
__ 2. Locate the T or K channel tailgate area.

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FRONT VIEW   REAR VIEW

3745

FRONT VIEW   REAR VIEW

From the rear of the machine

__ 3. Remove shield 'C' with its 4 screws from identified channel tailgate.

__ 4. Remove bracket 'A' from bottom of the frame with its 2 screws.

__ 5. Remove the shield 'B' with its 6 screws from the top of CA tailgate area by loosening the 3 top screws and removing the 3 bottom screws.

__ 6. Keep the screws.

REAR VIEW

SHIELD 'B'

SCREW

SHIELD 'B'

02K CHANNEL
TAILGATE

01T CHANNEL
TAILGATE

SHIELD 'C'

BRACKET 'A'

| 3745 | PN 66X0020 | See EC | EC A98112 | EC A98318 | EC C38411 | EC E27926 |
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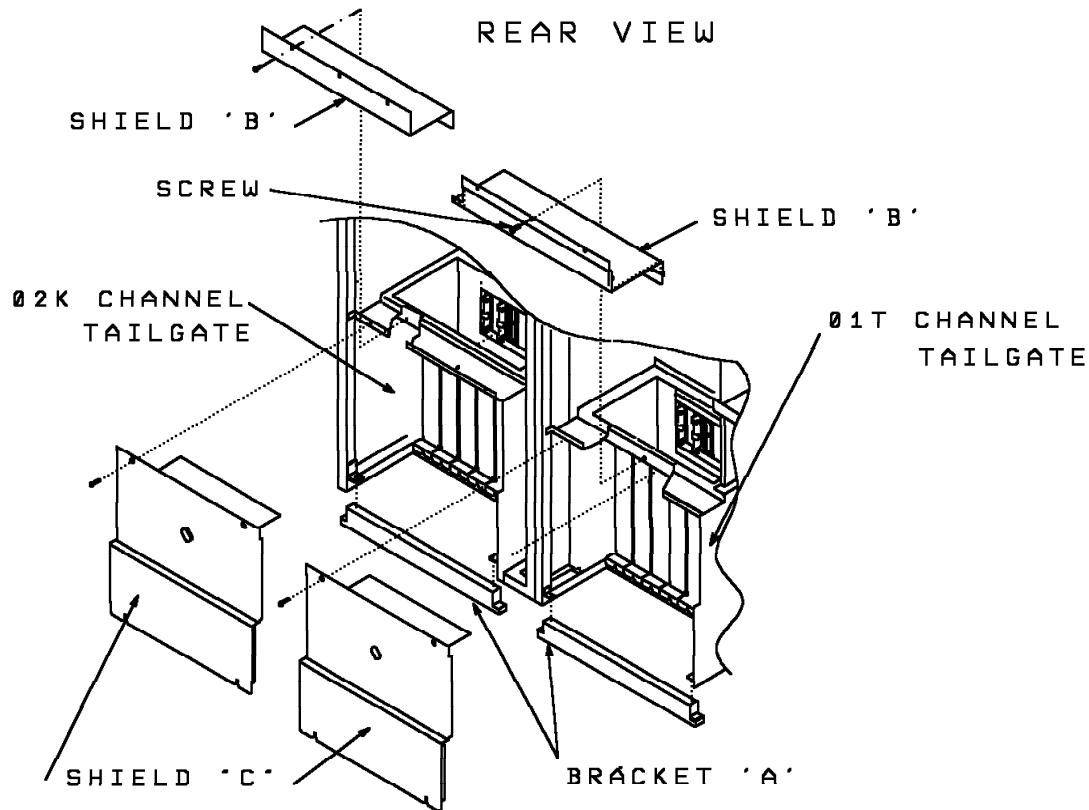
10.3.1 Identify Channel Tailgate(s) Position

___ 1. Remove two screws (PN 2665527) and remove dummy tailgate(s).

> **Note:** If you install a CA Adapter with TPS, you have to remove two adjacent dummy tailgates.

___ 2. Keep the screws.
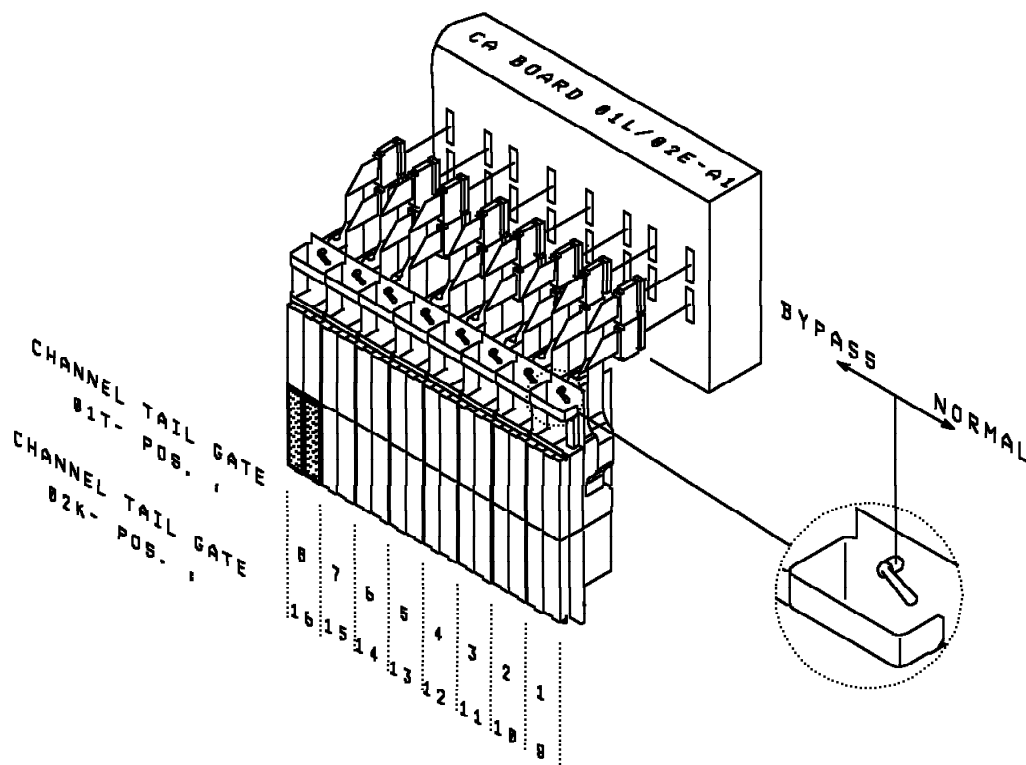
- **If you are installing a Flex Tailgate (PN 11F6750), go to Step 10.3.3, "FLEX Tailgate Installation" on page 16.**

- **If you are installing a BNI Tailgate (PN 6495821), continue.**

10.3.2 BNI Tailgate Installation

___ 1. Install tailgate(s) (PN 6495821) using screws retained in previous Step.

> **Note:** If installing CA Adapter with TPS, install two tailgates.
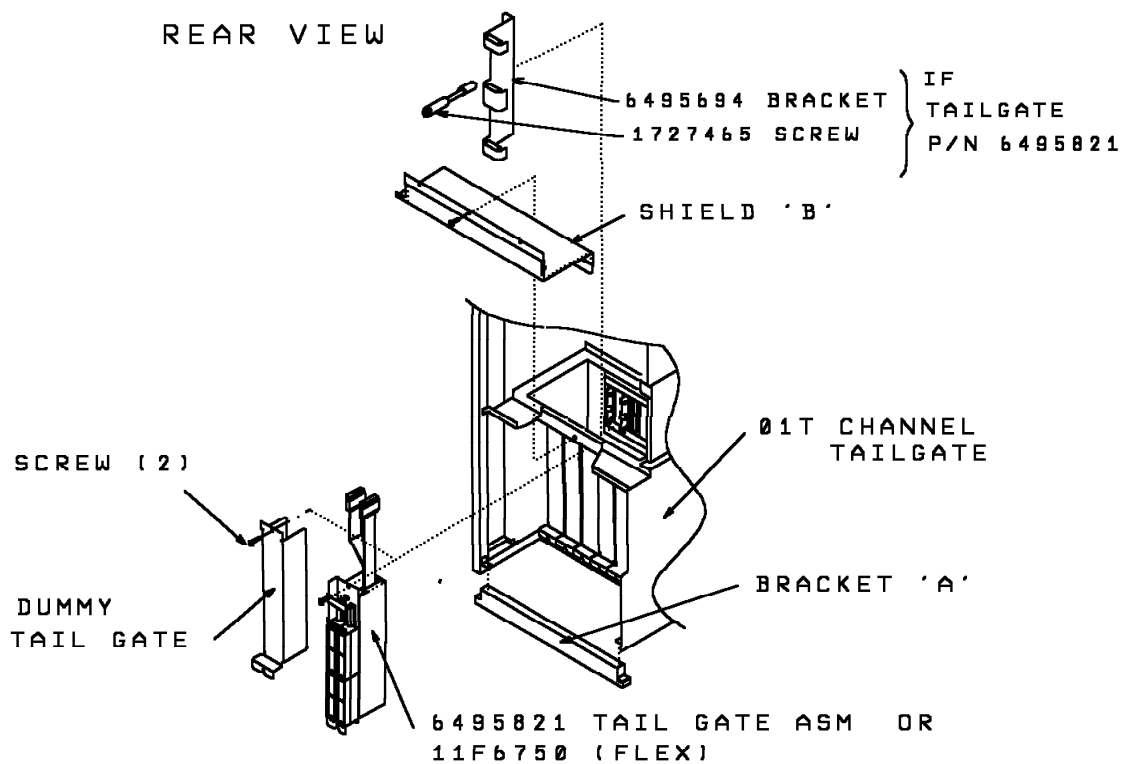
___ 2. Plug CA tailgates(s) cables on CA board.

___ 3. Mount screw (PN 1727465) on bracket (PN 6495694) and secure cable connectors on board.

> **Note:** One bracket is required with each tailgate asm.

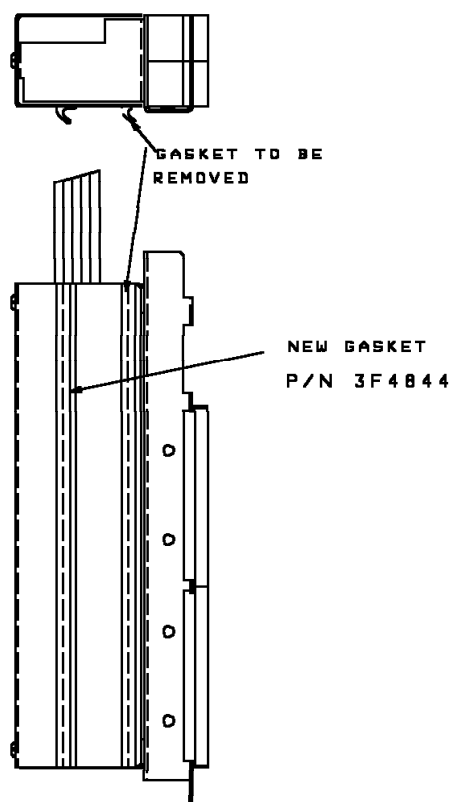___ 4. Be sure that the **Select Out** bypass switch is on normal position.

- **Go to Step 10.3.4, "Card Installation" on page 17.**

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REAR VIEW

6495694 BRACKET ⎫ IF
1727465 SCREW ⎬ TAILGATE
              ⎭ P/N 6495821

SHIELD 'B'

SCREW (2)

01T CHANNEL
    TAILGATE

DUMMY
TAIL GATE

BRACKET 'A'

6495821 TAIL GATE ASM OR
11F6750 (FLEX)

10.3.3 FLEX Tailgate Installation

__ 1. Before installing Flex Tailgate, you must rework the right adjacent tailgate if it is a BNI (PN 6495821), or a dummy one with a rubber gasket.

__ 2. For the rework, remove the rubber gasket and install the new gasket (PN 03F4844 (provided by FFBM)) as shown in drawing.

__ 3. Install tailgate(s) (PN 11F6750) using screws retained in previous Step

   Note: If installing CA Adapter with TPS, two tailgates will be installed.

__ 4. Plug CA tailgates(s) cables and secure connectors by pushing them onto the board pins to 'latch connectors' and then tightening the retaining screw.

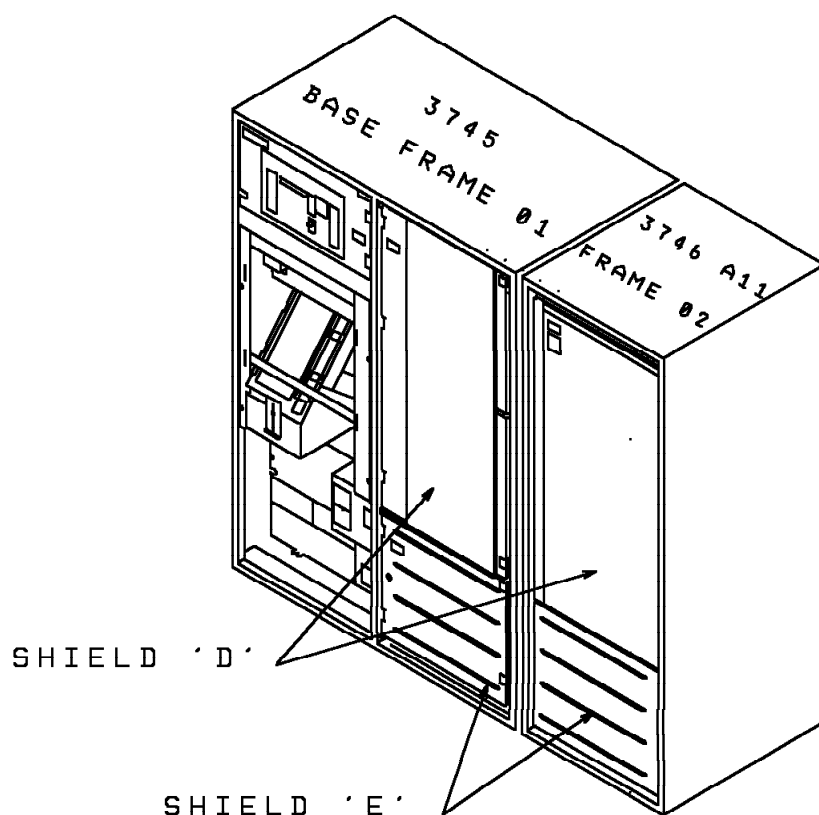__ 5. Be sure that the **Select Out** bypass switch is on normal position.

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GASKET TO BE
REMOVED

NEW GASKET
P/N 3F4844

10.3.4 Card Installation

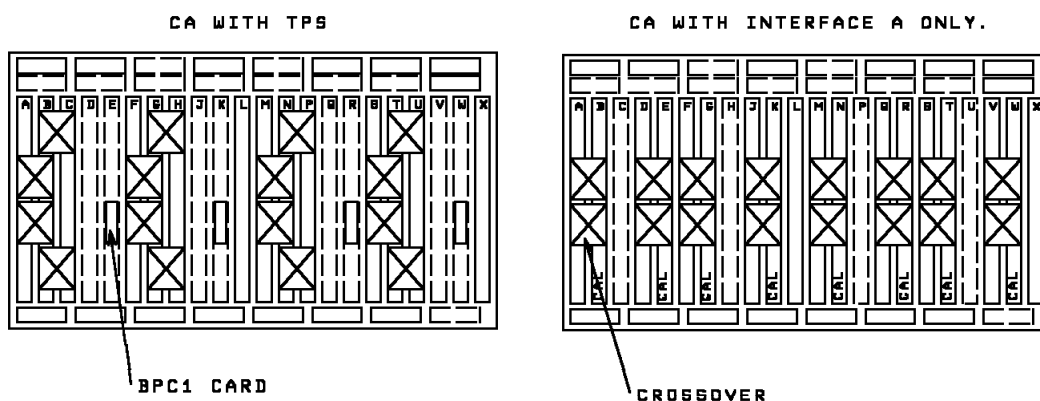__ 1. Open shields 'D' and 'E' of the frame identified in Step 4.0,
"Preparation" on page 4.

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SHIELD 'D'

SHIELD 'E'

FRONT VIEW

___ 2. Locate CA board in position 01L or 02E.

___ 3. Identify the CA Adapter card positions selected in Step 4.0, "Preparation" on page 4.

___ 4. Remove dummy cards from positions where feature will be installed.

___ 5. Verify that holder(s) (PN 1953244) are installed on cards provided by FFBM(s).

___ 6. Plug the cards in appropriate locations of CA board.

___ 7. Plug two crossovers (for a CA only) or four crossovers (for a CA + TPS) in top card connectors.

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10.3.5 BPC1 Card Installation

__ 1. This card is used to ensure the continuity between CAs on the same IOC bus when a CA with TPS or an ODD number CA without TPS is installed.

__ 2. Go to Step 10.4, "Power Supply Installation" if it is not applicable.

__ 3. Mount extender (PN 1953093) on BPC1 card.

__ 4. Using the following tables, identify the card position then remove dummy card and plug the BPC1 card. Secure it with the intermix bracket (PN 1953110).

CA + TPS Installed in	BPC1 plugg.in
A2/B2/C2	E4
F2/G2/H2	K4
M2/N2/P2	R4
S2/T2/U2	W4

ODD CA Installed in	BPC1 plugg.in
A2/B2	E4
F2/G2	K4
M2/N2	R4
S2/T2	W4

10.4 Power Supply Installation

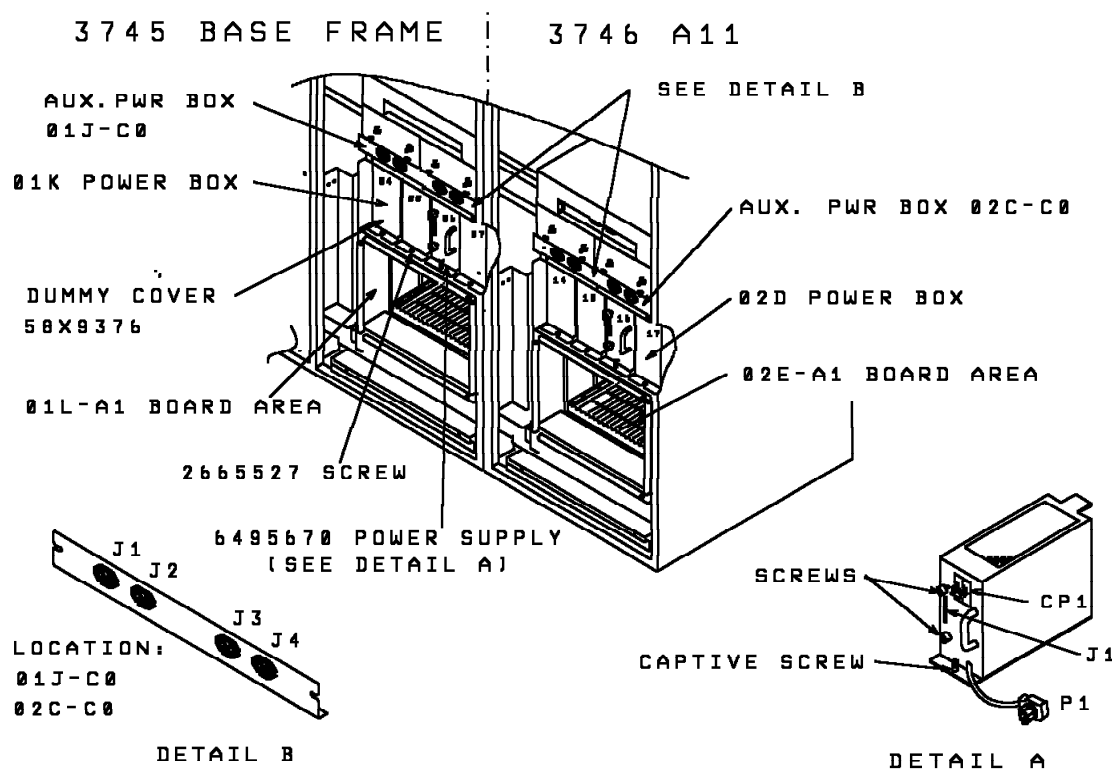**Note:** If you install a CA in an ODD position or a CA with TPS, you must install a PSTY3.
A PSTY3 supports two CA Adapters or one CA adapter with TPS.

- **If you do not install a PSTY3, go to Step 10.5, "Power ON" on page 21**

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> **Important note**
>
> 1. Verify all PSTY3 packing materials are removed.
>
> 2. The two power screws are very easily cross threaded. If cross threading occurs, correct voltage levels may not be achieved. The following procedure is suggested to prevent cross threading. While applying a small amount of pressure, turn the screws counter clockwise one full turn before beginning clockwise rotation and thread engagement.

__ 1. Locate power box in position 01K or 02D just above the board where you have installed the adapter.

__ 2. Identify the power supply location with tables in Step 4.0, "Preparation" on page 4.

__ 3. Remove dummy cover (PN 58X9376) by removing screw (PN 2665527).

__ 4. Slide Channel Adapter power supply (PN 6495670) (PS3) in power box 01K. Tighten the two front screws then the captive screw on the bottom front of the PS.

__ 5. Connect the plug P1 of power block in the auxiliary power box located directly above of the power supply installed.

__ 6. Be sure that the CP1 of power supply is on 'ON' position.

__ 7. Close all shields opened in previous Steps.

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```
3745 BASE FRAME │ 3746 A11
```


DETAIL B

DETAIL A

10.5 Power ON

Switch CB1 ON, and close system covers.
From the 3745 control panel:

__ 1. set the **Function** indicator to **1**.
       Press the **Validate** key.

__ 2. Press the **Power ON Reset** key.

The MOSS IML is completed when **F0E** is displayed on the 3745 control panel.

11.0 Test Procedures

- **If you have installed a CA in a Model X1A, go to Step 11.2, "Open MOSS/MOSS-E Session" on page 22.**

- **Otherwise, continue.**

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11.1 From the 3745-X10 Console

  __   1. When the **CA INTERFACE DISPLAY** screen is displayed, press **F4**.

  __   2. Enter the maintenance password, press **Send**.

> - **If you have not installed a PSTY3, go to Step 11.4, "Update the CDF."**
>
> - **Otherwise, go to Step 11.3, "Create the Power Configuration Table."**

11.2 Open MOSS/MOSS-E Session

From the Service Processor:

  __   1. Wait until the 3745 icon becomes PURPLE.

  __   2. When the **3745 Menu** window is displayed, double click on **MOSS console**.

Wait for the **Function Selection Rules** screen.

> - **If you have not installed a PSTY4, go to Step 11.4, "Update the CDF."**
>
> - **Otherwise, continue.**

11.3 Create the Power Configuration Table

  __   1. Enter **POS**, press **Send/Enter**.

  __   2. Enter **C** (RE-CREATE), press **Send/Enter**.
Verify that the ID of the PSTY3 you have installed is displayed.

  __   3. Enter a **Y** to confirm, press **Send/Enter**.

  __   4. Select option **1** and display the power information for the base frame, press **Send/Enter**.
The power status is **DOWN** for the new power.

  __   5. Enter **UXX** to set the power **UP**.
Verify that the PSTY3 goes to the **UP** state.
Press **F1**.

11.4 Update the CDF

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

  __   2. Enter **4** (VERIFY), press **Send/Enter**.
The values from the **CDF DATA** and the **MACHINE DATA** should be identical, except for the adapter you have just installed.

  __   3. To update the CDF with machine values, enter **2**, press **Send/Enter**.

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- When **CDF VERIFY COMPLETED** is displayed, press **F6**.

- If adapters are not recognized, see the *MIP*, Chapter 1, and follow appropriate procedure.

11.5 Display the CDF

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

__ 2. Enter **1** (DISPLAY/UPDATE), press **Send/Enter**.

__ 3. Enter **6** (CA), press **Send/Enter**.

With microcode level A47030 or higher	Without microcode level A47030 or higher
	- Then enter '0' for all CA.
- A 'Y' should appear under the CA number you have just installed. Check the Channel type: 6 for a CADS or 7 for a BCCA	
	- NOTE: press 'F8' to display CA position 9 to 16
	- press 'F6'

11.6 Update Channel Addresses and CA Parameters

__ 1. Refer to the following tables.

High speed data transfer				Data streaming
Host type	Byte CA	block CA	Selector CA	
3033	NO	YES	YES	NO
308X	YES	YES	NO	NO
309X	YES	YES	NO	YES
ES9000	YES	YES	NO	YES
4341	YES	YES	YES	NO
4361	YES	YES	NO	NO
4381	YES	YES	NO	NO
937X	NO	YES	NO	YES
3044	-	-	-	NO

Channel Burst length	
Block Multiplex or Selector Channel	254

Byte Multiplex
    With buffered
         devices
	NCP : 254, PEP: 64

With unbuffered
         devices
	16 : 4341, 4381
	32 : 3033, 308X, 309X
	   : ES9000

__ 2. Enter the CA position you have just installed, press **Send/Enter**.

__ 3. Press **F5** for update 'I/O ERROR ALERT' and TPS/TCS MODE if required.

__ 4. Press **Send/Enter**, then **F8**.

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    __   5. Update the applicable fields, press **Send/Enter**.

    __   6. press **F1**.

11.7 Run the Diagnostics

    __   1. Enter **ODG**, press **Send/Enter**.

    __   2. Enter **4** (CA).
Enter the **Adapter Number**, press **Send/Enter**.

- When **NO ERROR FOUND** is displayed, press **F1**.
- If an error is displayed, see the *MIP*, Chapter 2, and follow the appropriate procedure.
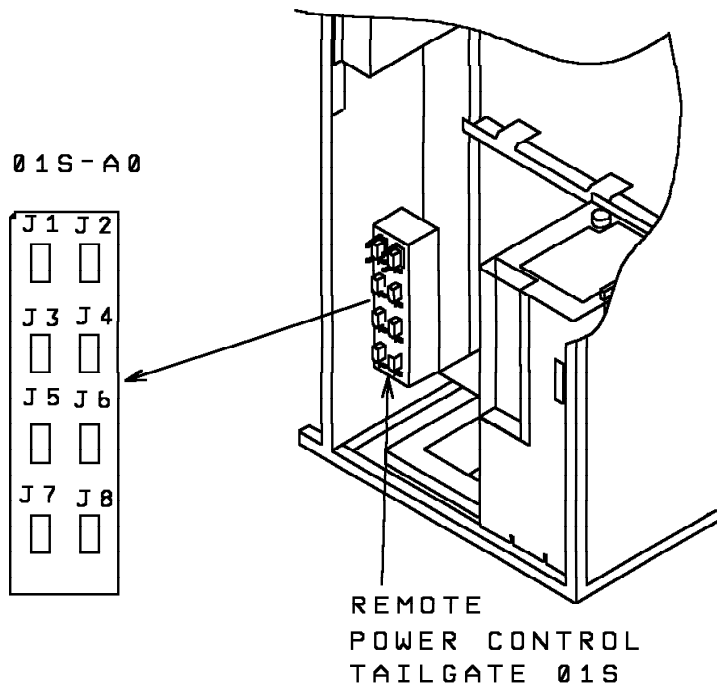
11.8 External Wrap Test

    __   1. Call **LO01** routine for this CA Adapter.
    __   2. On Diag request menu, enter **LO01** in diag field and the Adapter Number in adpt field., press **Send**.
    __   3. Be sure that the CA terminators are plugged when it is required.
    __   4. Follow the prompts and refer to *MIP*, Chapter 4 for proper action.

- When **NO ERROR FOUND** is displayed, press **F1**.
- If an error is reported, see the *MIP*, Chapter 2, and follow the appropriate procedure.

11.9 EPO Cable

    __   1. If required, connect EPO cable. See the following figure for the remote power control tailgate location (01S-A0).

        Note: Before plugging the first EPO cable, remove the **RPC PLUG** (PN 8482303) in 01S-A0J1 position.

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REAR VIEW

01S-A0

J1 J2

J3 J4

J5 J6

J7 J8

REMOTE
POWER CONTROL
TAILGATE 01S

11.10 External Cables

___ 1. Connect external channel cables according to customer configuration.

___ 2. From the rear of the machine, reinstall shields and bracket removed in Step 3 on page 14.

___ 3. Close rear system covers.

11.11 OLT Diagnostics

___ 1. enter **CID**, press **Send/Enter**.

___ 2. Enable the CA concerned.

___ 3. Press **F1** when function completed.

___ 4. Enter **ODG**, press **Send/Enter**.

___ 5. Enter **8** (OLT) and Adapter number, press **Send/Enter**.

___ 6. Follow the prompts.

___ 7. Refer to 3745 CA Adapt. on *Line Test Guide* D99-3745 to make appropriate replies.
Run OLT on all new installed interfaces.

• When **NO ERROR FOUND** is displayed, press **F1**.

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- If an error is reported, see the *MIP*, Chapter 2, and follow the appropriate procedure.

11.12 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**.

- **If you have installed a CA in a Model X1A, go to step 11.14, "Logoff MOSS-E."**

- **Otherwise, continue.**

11.13 Logoff the 3745-X10 Console

Re-enable the channel adapters disabled in Step 10.1.2, "Log the 3745-X10 Console on" on page 10.

11.14 Logoff MOSS-E

__ 1. On the **3745 Menu** window, double click on **MOSS Console**,

__ 2. Enter **CID**, press **Enter**.

__ 3. Enable the channel adapter recorded in Step 10.1.3, "Log the Service Processor on" on page 11.
        Wait until all channels are **E** in the E/D REQUEST column.
        Press **F1**.

__ 4. Enter **OFF**, press **Enter**.

__ 5. On the **3745 Menu** window, click on **Function**. Then, click on **Exit**.

__ 6. On the **MOSS-E View** window, click on **Program**.

__ 7. Click on **LOG OFF MOSS-E**.

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11.15 General IPL

From the 3745 Control Panel:

___ 1. Set the **Power Control** indicator to its original value recorded in Step 10.1.1, "From the 3745 Control Panel" on page 10.

___ 2. Set the **Function** indicator value to **0** (general IPL).

___ 3. Press the **Validate** key.

The general IPL starts.

- If **FF4** is displayed on the control panel, ask the customer to load the control program.
- If the control program is loaded from the hard disk, **000** will be displayed when **IPL** is successful.

Note: The control program load can fail if a mismatch exists between the control program and the hardware configuration.

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After Installation (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 (As MES activity) and quality to existing procedures.

End of instructions.