

**Removal of a Line Adapter:**  
**Low Speed Scanner (TSS) (FC 4720).**  
**High Speed Scanner (HPTSS) (FC 4740).**  
**Token Ring Adapter (TRSS) (FC 4760), Type 1, 4 Megs.**  
**Token Ring Adapter (TRSS) (FC 4770), Type 2, 16 Megs.**

Written by S.Alie  
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Approved by F.Charron  
Reviewed by J.Pasley

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## Before Installation. (Steps 1- 8)

### 1.0 MACHINES AFFECTED:

3745 MODEL 210/310/410/610 and 3746 MODEL A11/A12.

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### 2.0 PREREQUISITES/CONCURRENT/COMPANION:

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#### 2.1 Prerequisite:

None.

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#### 2.2 Concurrent - (Must be installed together)

None.

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#### 2.3 Companion - (May be installed separately)

None.

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### 3.0 B/M(S) TO BE INSTALLED

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

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#### 3.1 FFB/M received.

FEATURE DESCRIPTION	FFB/M
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- Installation instructions	66X0034
- Low Speed Scanner removal (TSS)	66X0033
or	
- High Speed Scanner removal (HPTSS)	66X1100
or	
- Token Ring Adapter removal (TRSS Type 1)	66X0036
or	
- Token Ring Adapter removal (TRSS Type 2)	66X1398

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## 3.2 AS REQUIRED FFB/M'S:

FEATURE DESCRIPTION	FFB/M
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- Line adapter power supply removal. (If you remove a line adapter in odd position)	66X0038
- BPC1 card installation. (Following customer configuration)	66X0055
- DMSW and DTER card removal. (If you remove the last HPTSS adapter from a 3745 210/310/410/610)	66X0097
- DMSW card removal. (If you remove the last HPTSS adapter from a 3745 model 410/610)	66X1102
- BPC2 card installation. (If you remove a TRSS adapter)	66X0057

## 4.0 PREPARATION:

1. Familiarize yourself with the purpose and details of the installation instruction prior to obtaining the customer machine time commitment.
2. Check all the items and count the parts listed on the B/M to be installed to determine that all the parts were received.
3. Notes :
  - a. 01G-A1 board in base frame can be a TSSB or a TSST board.  
In TSST board (only one in the 3745) there is room for TRSS, TSS, and/or HPTSS adapters).  
In TSSB board there is room for TSS and HPTSS.  
(HPTSS and TRSS can be installed only in base frame, board 01G-A1).
  - b. The TSSB and TSST boards are shared between 2 IOC buses.  
IOC bus group 1 drives adapters positions 1 to 4 and  
IOC bus group 2 drives adapters positions 5 to 8 in each board.
  - c. If TRSS (FC 4760 or 4770) is removed, a BPC2 card will be plugged in place of TRM card.  
If HPTSS or TSS is removed, the machine should be reconfigured, no hole is authorized. But,  
following customer configuration, a BPC1 may be shipped.  
Bypass cards BPC1 and BPC2 allow IOC continuity between adapters.
  - d. Using HONE Configurator sheet and the following tables identify the frame and the scanner enclosure where the adapter will be removed, then identify the position of adapter cards and power (if required) to be removed.
4. **Additional info:** The TSS, TRSS, HPTSS removal can be performed either ON-LINE, (Concurrent mode, NCP running, 3745 POWER ON) or OFF-LINE, (Complete machine power DOWN, MOSS ALONE). Select the procedure according to machine availability.

To remove the last HPTSS from the base frame, the complete 3745 will be powered OFF. This because the removal of DMSW card(s) and DTER.

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- Table 1 : TSS or HPTSS or TRSS adapter removal in TSST board (01G-A1 board only).

Adapt. Position	1	2	3	4	5	6	7	8
CARDS CSP	N/A	N/A	G2	J2	N/A	N/A	S2	U2
IN FESL/H	N/A	N/A	H2	K2	N/A	N/A	T2	V2
01G-A1	TRM	A2	D2	N/A	N/A	L2	P2	N/A
	TIC-A	B2	E2	N/A	N/A	M2	Q2	N/A
	TIC-B	C2	F2	N/A	N/A	N2	R2	N/A
Power Supply (PSTY4)	08 01H-A1		09 01H-B1		10 01H-C1		11 01H-D1	
01U-A0 Tailgate								
TRSS	A	D	N/A	N/A	L	P	N/A	N/A
HPTSS	N/A	N/A	H	K	N/A	N/A	T	V

- Table 2: TSS or HPTSS adapter removal in TSSB board (01G-A1 only)

Adapt. Position	1	2	3	4	5	6	7	8
CARDS CSP	E2	G2	J2	L2	N2	Q2	S2	U2
IN FESL/H	F2	H2	K2	M2	P2	R2	T2	V2
01G-A1								
Power Supply (PSTY4)	08 01H-A1		09 01H-B1		10 01H-C1		11 01H-D1	
01U-A0 Tailgate								
HPTSS	F	H	K	M	P	R	T	V

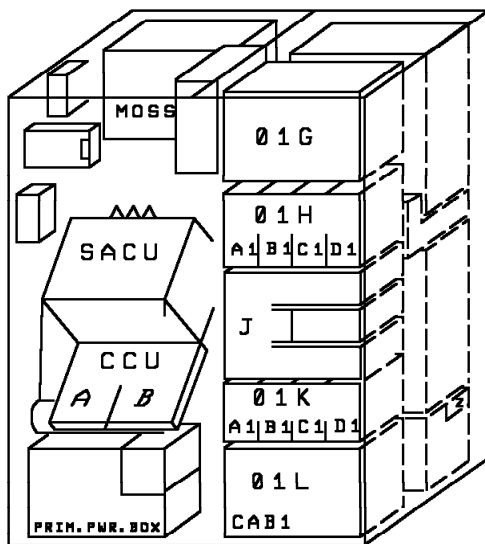
- Table 3: TSS adapter removal in: 02A-A1 (adapter frame 2)  
or in: 02F-A1 (adapter frame 2)  
or in: 03F-A1 (adapter frame 3)

Adpt.pos.in 02A-A1	9	10	11	12	13	14	15	16
Power supply: ID (PSTY4) : Position	18 02B-A1	19 02B-B1	20 02B-C1	21 02B-D1				

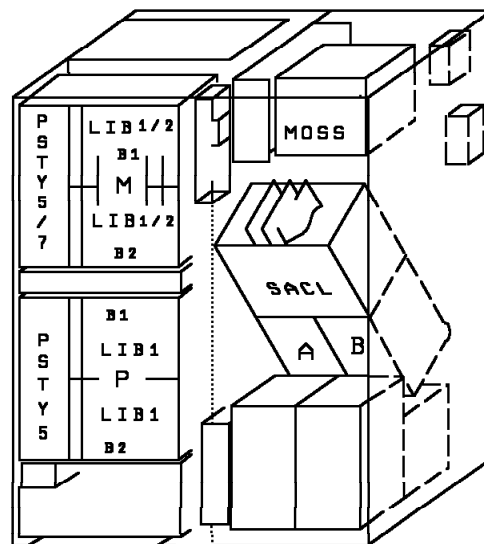
Adpt.pos.in 02F-A1	17	18	19	20	21	22	23	24
Power supply: ID (PSTY4) : position	22 02G-A1	23 02G-B1	24 02G-C1	25 02G-D1				

Adpt.pos. in 03F-A1	25	26	27	28	29	30	31	32
Power supply: ID (PSTY4) : position	26 03G-A1	27 03G-B1	28 03G-C1	29 03G-D1				
Cards CSP Position in TSSB FESL	E2 F2	G2 H2	J2 K2	L2 M2	N2 P2	Q2 R2	S2 T2	U2 V2

**3 7 4 5**



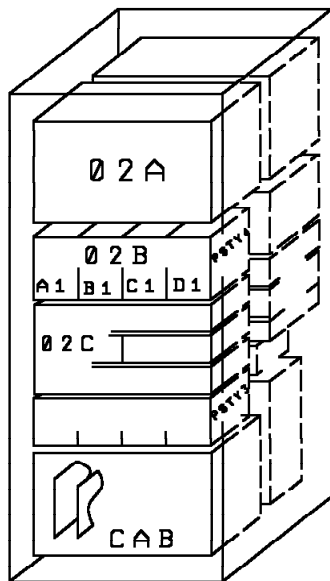
**FRONT VIEW**



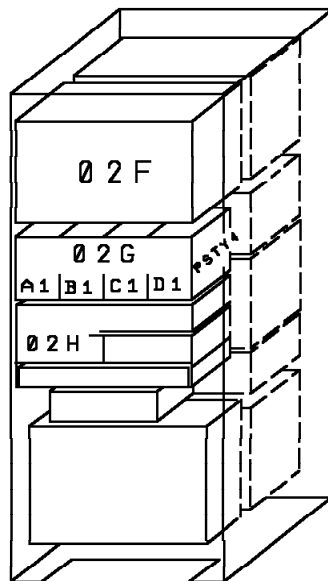
**REAR VIEW**

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3 7 4 6 A 1 1

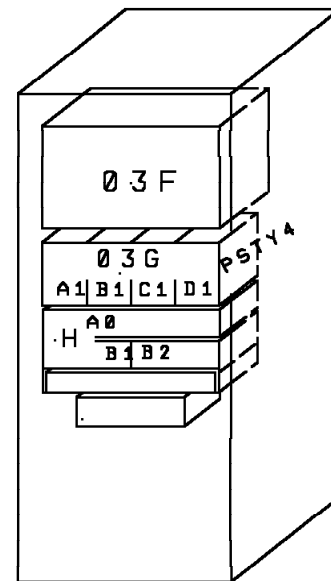


FRONT VIEW



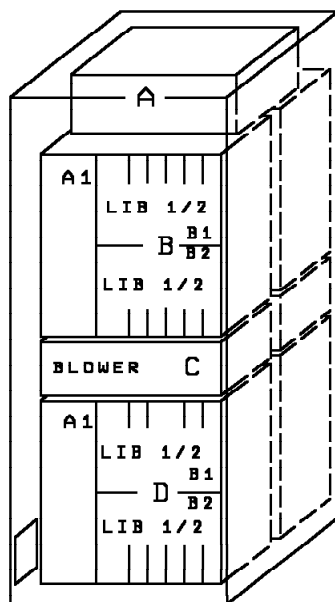
REAR VIEW

3 7 4 6 A 1 2

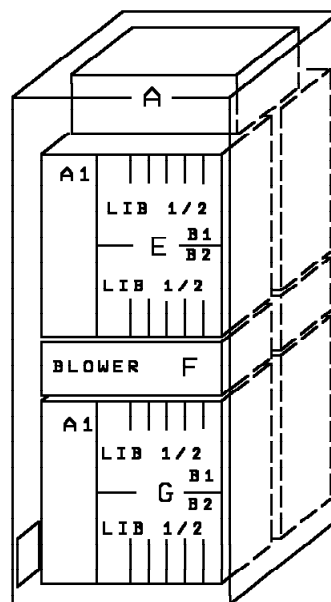


REAR VIEW

3 7 4 6 MODEL L 1 4 / L 1 5 / L 1 6



FRONT VIEW



REAR VIEW

## 5.0 PROGRAM UPDATE :

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## 5.1 Diagnostic programs.

CDF to reflect this change will be performed in step 11.0. This is essential to allow internal diagnostics to be run properly.

## 5.2 System programs.

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

# 6.0 PURPOSE AND DESCRIPTION:

## 6.1 Purpose.

Remove line adapter (TSS, HPTSS or TRSS)

## 6.2 Description.

Remove adapter cards and associated power supply (if required).

# 7.0 INSTALLATION TIME:

FFB/M	Machine Hrs.	System Hrs.
66X0033 (TSS) with 66X0055 (BPC1)		
or 66X1100 (HPTSS) with 66X0055 (BPC1)		
or 66X0036 (TRSS type 1) with 66X0057 (BPC2)		
or 66X1398 (TRSS type 2) with 66X0057 (BPC2)	1.0	00.0
66X0038 (power)	0.4	00.0
Test time	0.6	00.0
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Total time: W/power	2.0	00.0
W/O power	1.6	

To this total time, 0.5 H can be added for the following:  
66X0097 (DMSW +DTER) or 66X0097 + 66X1102 (DMSW).

# 8.0 SPECIAL TOOLS AND/OR MATERIALS REQUIRED:

ESD kit P/N 6428316

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## INSTALLATION (Steps 9-11)

### 9.0 WARNING

If you remove the last HPTSS adapter from the 3745, the complete 3745 must be POWERED OFF.

All other feature removal, can be performed either ON-LINE (3745 power ON, NCP running) or OFF-LINE (3745 power OFF).

Nevertheless you must be aware of SAFETY rules.

Review the *Safety Inspection Procedures* located at the beginning of the *3745 Maintenance Information Procedure (MIP)* manual.

### 10.0 DETAILS OF INSTALLATION

#### Warning

A false "NOREPLY" indication may occur when power is removed from more than one PSTY4 in the same scanner rack. If there is a mix of PSTY4 vendors in the frame, and normal power removal procedures are used to power down more than one supply (unplug the AC input or turning the CB off), a "NOREPLY" indication may occur. To avoid this condition when removing power from more than one PSTY4 in a scanner frame, physically remove each supply according to the PSTY4 fru exchange procedure.

If you remove a LINE ADAPTER (NOT the LAST HPTSS) with the machine POWER ON, go to step 10.2. If you have the complete machine availability for POWER OFF or if you remove the LAST HPTSS from the 3745, proceed.

### 10.1 Preparing for a LA removal Off-Line (Complete 3745 power Off).

Before proceeding with feature removal, the following steps must be performed:

- Ask customer to set all the lines and channel addresses off-line for this controller.
- Ask customer for *Maintenance Password*.
- Ask customer to logoff the console if not already done.

#### 10.1.1 On control panel:

Check that *Power Control* indicator displays 3. If not, record the value \_\_, then press *Power Control* key until 3 is displayed.

Press *Validate* key.

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### 10.1.2 On local console:

- From interface display screen, record *Enabled Channel Adapters* then *Disable* all channel adapters.
- Wait for Interface Status *Disabled* for all CA's.  
Press *F4*.
- Enter the *Maintenance Password*, Press *SEND*.
- Enter *RST* to reset the CCU(s). MOSS goes in *MOSS ALONE* state.

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

### 10.1.3 Display the Configuration Data File (CDF) on local console.

- Enter *CDF*, Press *SEND*.
- Select *DISPLAY/UPDATE*, Enter *1*, Press *SEND*.
- Select *LA*, Enter *7*, Press *SEND*.  
Check for the presence of "Y" for the LA to be removed according to the HONE Configurator sheet and tables in step 4.0.  
Verify also the type of the adapter.
- Press *F1*.

### 10.1.4 Run Diagnostics.

- Enter *ODG*, Press *SEND*.
- Select *IOCB*, Enter *3*, Press *SEND*.
  - If any error is reported, go to *Maintenance Information Procedure (MIP)* chapter 2 and follow appropriate procedure(s).
  - If no error reported, Press *F1*.

### 10.1.5 Power off.

- Power off the 3745 from the control panel.
- Open system cover D, then switch off CB1.

Go to step 10.3.

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## 10.2 Preparing for a LA removal with 3745 Power On (MOSS On-Line).

Before proceeding with any physical removal, the following steps must be performed:

- Ask customer for *Maintenance Password*
- Ask customer to logoff the console if not already done

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- Notify customer to de-activate all the lines/rings attached to the identified adapter, and if required, all the lines/rings attached to the adjacent scanner fed by the same PSTY4. (Refer to tables in step 4.0).

### 10.2.1 On control panel:

Check that *Power Control* indicator displays 3. If not, record the value \_\_, then press *Power Control* key until 3 is displayed.  
Press *Validate* key.

### 10.2.2 On local console:

- When *CA Interface Display Screen*, displayed, Press *F4*.
- Enter the *Maintenance Password*, Press *SEND*.

### 10.2.3 Display the Configuration Data File (CDF) on local console.

- Enter *CDF*, Press *SEND*.
- Select *LA*, ENTER 7, Press *SEND*.  
Verify the presence of a Y for the LA to be removed according to the HONE Configurator sheet.  
Press *F1*.

If you remove a TRSS, go to step 10.2.5.  
If you remove a TSS/HPTSS proceed.

### 10.2.4 Disconnect a TSS/HPTSS from NCP.

- Enter *TSS* (TSS services), Press *SEND*.  
Choose option 1, Press *SEND*.
- Enter *SXX*, (XX being the LA number),  
Press *SEND*.  
Scanner XX is selected.  
Move cursor to data entry area then,
- Choose option 3, Press *SEND*.
- Select *Delayed/disconnect*, Enter *DS*, Press *SEND*.  
Scanner XX goes in *DISCTD-STOP* mode.

**Note:** If you remove a LA from EVEN position, you must also disconnect the adjacent ODD LA fed by the same PSTY4.(See tables in step 4.0).

When TSS is disconnected, and if you have to disconnect an adjacent scanner, release this first scanner and repeat this step for the second scanner.

- Press *F1*
- **Go to step 10.2.6.**

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### 10.2.5 Disconnect a TRSS from NCP.

- Enter *TRS* (TRSS services), Press *SEND*.  
Choose option 1, Press *SEND*.
- Enter the TRA number,  
Press *SEND*.  
Move cursor to selection area then,
- Choose option 2, Press *SEND*.
- Select *Disconnect*, Enter *DS*, Press *SEND*.

**Note:** If you remove a LA from EVEN position, you must also disconnect the adjacent ODD LA fed by the same PSTY4.(See tables in step 4.0).

When TRA is disconnected, and if you have to disconnect an adjacent adapter, release this first TRA and repeat this step for the second TRA.

- Press *F1*.

### 10.2.6 Diagnostics.

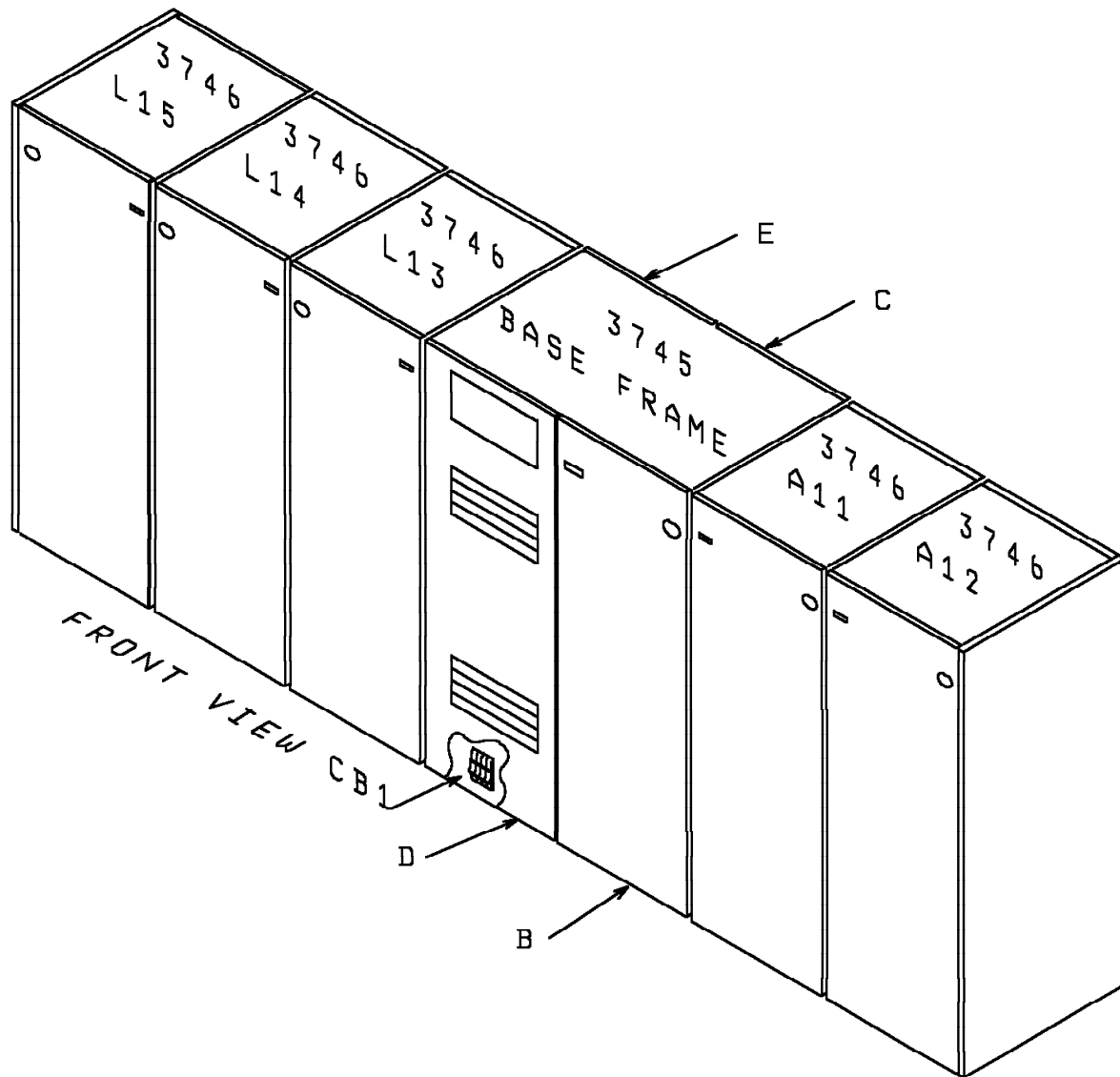
- N/A

### 10.2.7 Set PSTY4 power DOWN.

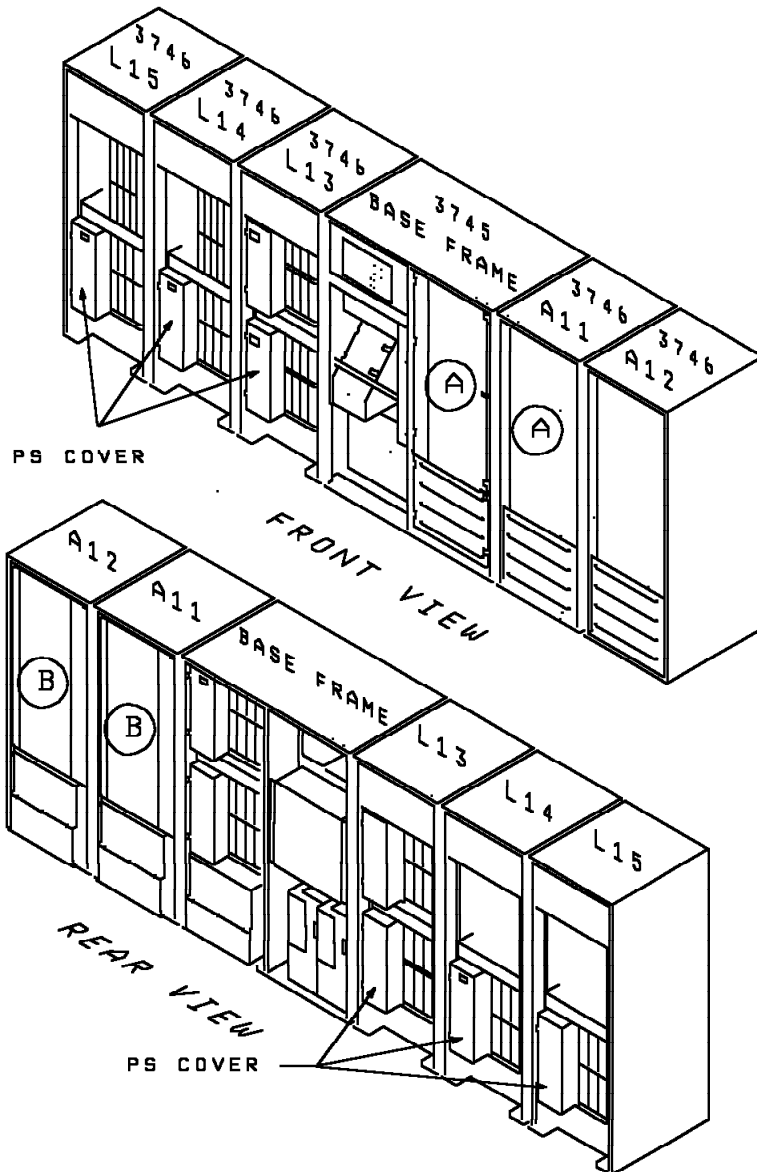
**Note:** FOR US ONLY, see Warning at the begining of step 10.0.

- Enter *POS*, Press *SEND*.
- Enter 1, 2 or 3, (frame power services) Press *SEND*.  
On displayed screen, verify that the status of identified PSTY4 is UP, then enter DXX. (XX being the PSTY4 ID).  
Verify that the PSTY4 goes in *DOWN* state.

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## 10.3 Hardware Installation

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

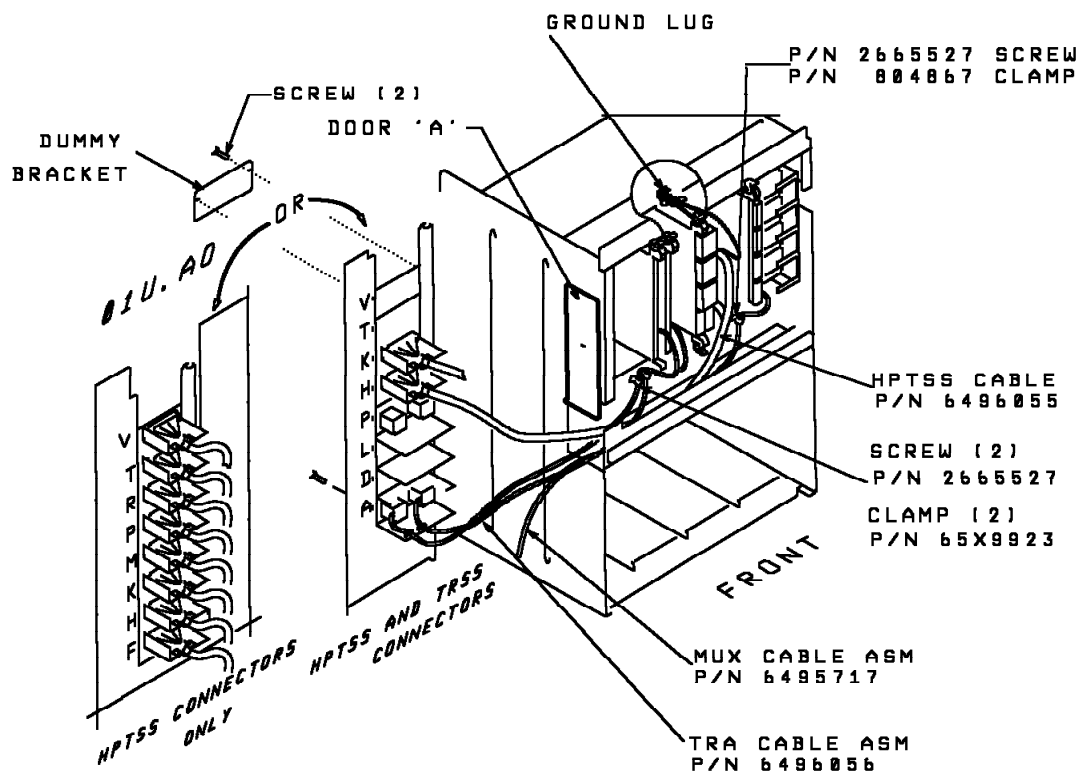
If you remove a:- HPTSS adapter skip to step 10.5.

- TSS adapter skip to step 10.6.

- TRSS adapter proceed.

## 10.4 Token ring adapter removal.

- Open system covers B, C, and E of basic frame.
- From the front of the machine, open the shield A if present.
- Locate the TSST board in position 01G-A1, then identify the adapter cards you have to remove as per table 1 in step 4.0.



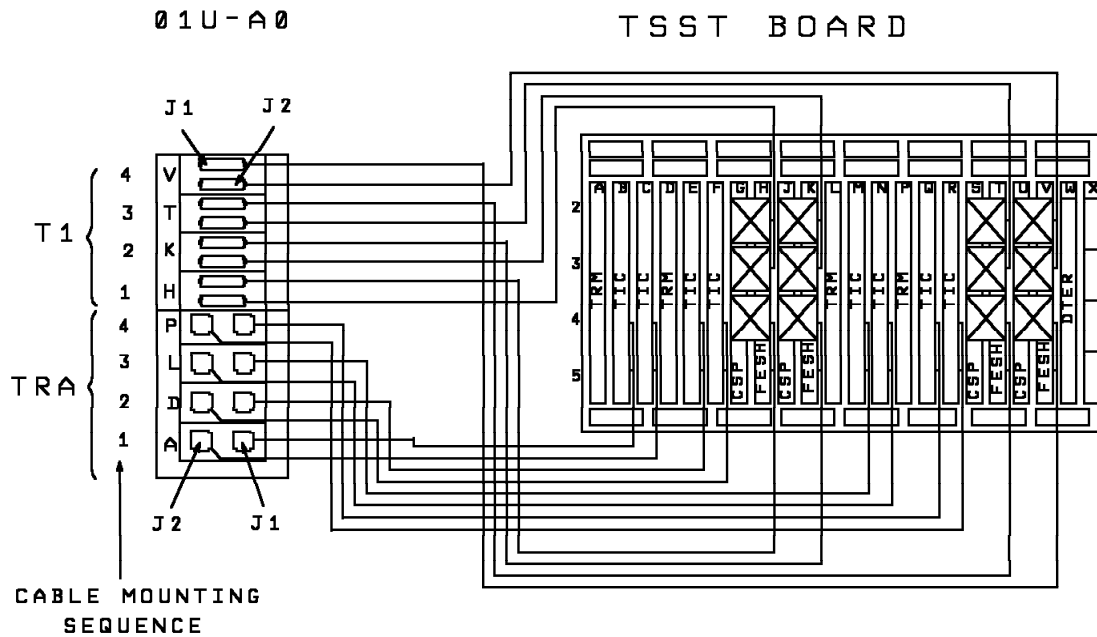
- Slide the door indicated A UP.

### Warning

Hazardous voltages can exist on the ground shields of cables due to various faults. When removing token ring cables, verify that the ground potential difference between the cable shields and the 3745/46 frame ground is no more than 1.0 VAC. If the voltage is exceeded, notify the customer immediately and do not proceed until the problem is corrected. Avoid installation or reconfiguration work during lightning activity.

## 10.4.1 TRSS internal cable and cards removal.

- From the rear, locate the 01U-A0 tailgate.
- Unplug external token ring cables from tail gate positions identified in table 1, step 4.0.
- On front of 01G gate, remove two clamps P/N 65X9923 with their screws securing the TRA cable.
- Unplug TIC cards from 01G-A1 and TRA cables from TIC cards.  
Unplug the TRM card.
- Insert removed cards, in bags provided by this FFB/M.
- Install 2 dummy cards P/N 2733278 in TIC cards positions.

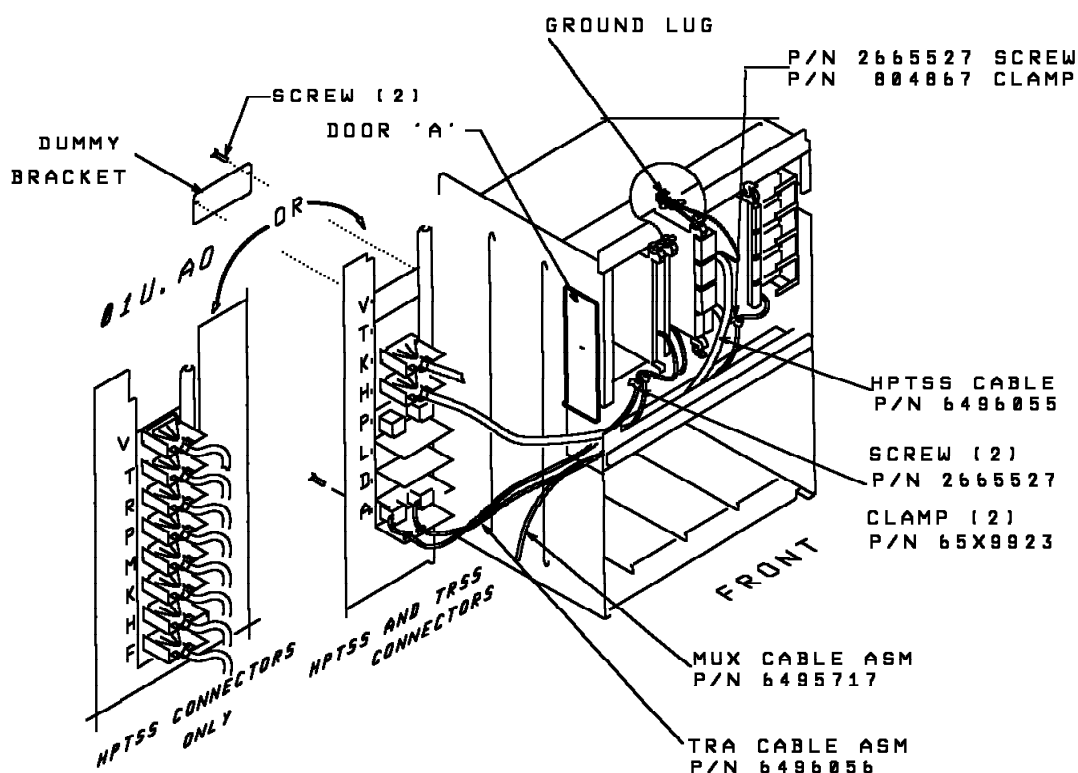


- From FFB/M 66X0057, plug BPC2 card in place of removed TRM card, and secure with intermix bracket P/N 1953110.
- Remove internal TRA cable asm from tailgate by removing 2 screws.
- In same location install a dummy bracket P/N 58X9369 with screws removed in previous step.

## 10.4.2 Skip to step 10.6.4.

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## 10.5 High speed scanner removal. (HPTSS)

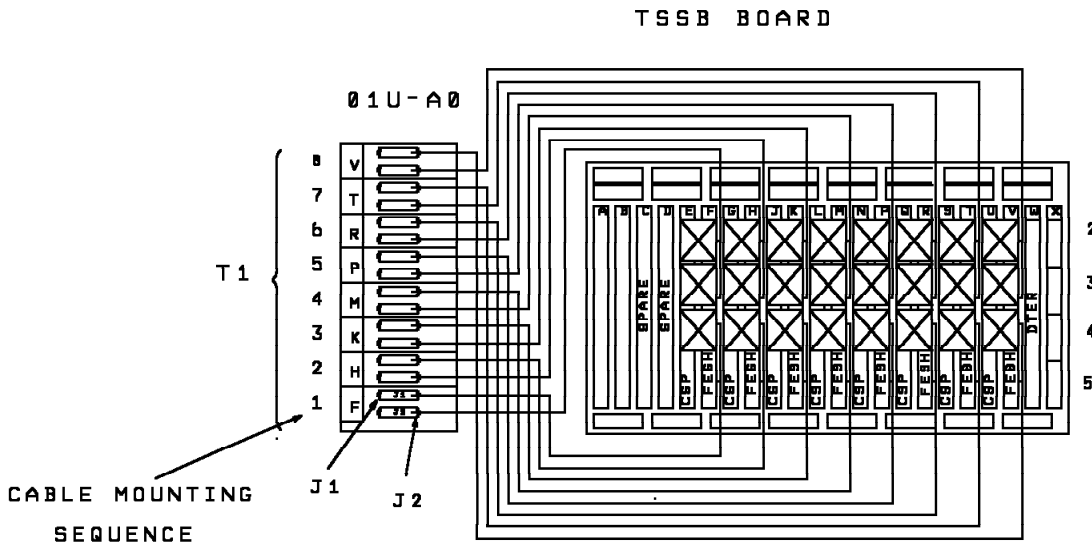


- Open system covers B, C, and E of 3745 base frame.
- From the front of the machine, open the shield A if present.
- Locate the TSSB or TSST board in position 01G then identify the adapter cards you have to remove per step 4.0 tables 1 and 2.
- Slide the door indicated 'A' up.

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## 10.5.1 External cable(s).



- Locate the 01U-A0 tailgate.
- Unplug the external cable from the connector identified in step 4.0.

## 10.5.2 Card removal.

- Unplug the 3 crossovers from adapter cards identified in step 4.0.
- Remove cards from the board, then unplug the cable ASM from the FESH card.
- Insert removed cards in bags provided by this FFB/M.

## 10.5.3 Internal cable removal.

- Disconnect the two ground wires from the ground lug on top of enclosure.
- Remove the HPTSS cable ASM from tailgate by removing 2 screws.
- In same location install a dummy bracket P/N 58X9369 using the screws removed.
- Remove the cable assembly from the machine

## 10.5.4 BPC1 and dummy card installation (if required).

If HPTSS or TSS is removed, the machine should be reconfigured, no hole is authorized. But, following customer configuration, a BPC1 may be shipped.

**Note:** BPC1 card is used to ensure continuity between adapters on the same IOC bus. (FFB/M 66X0055)

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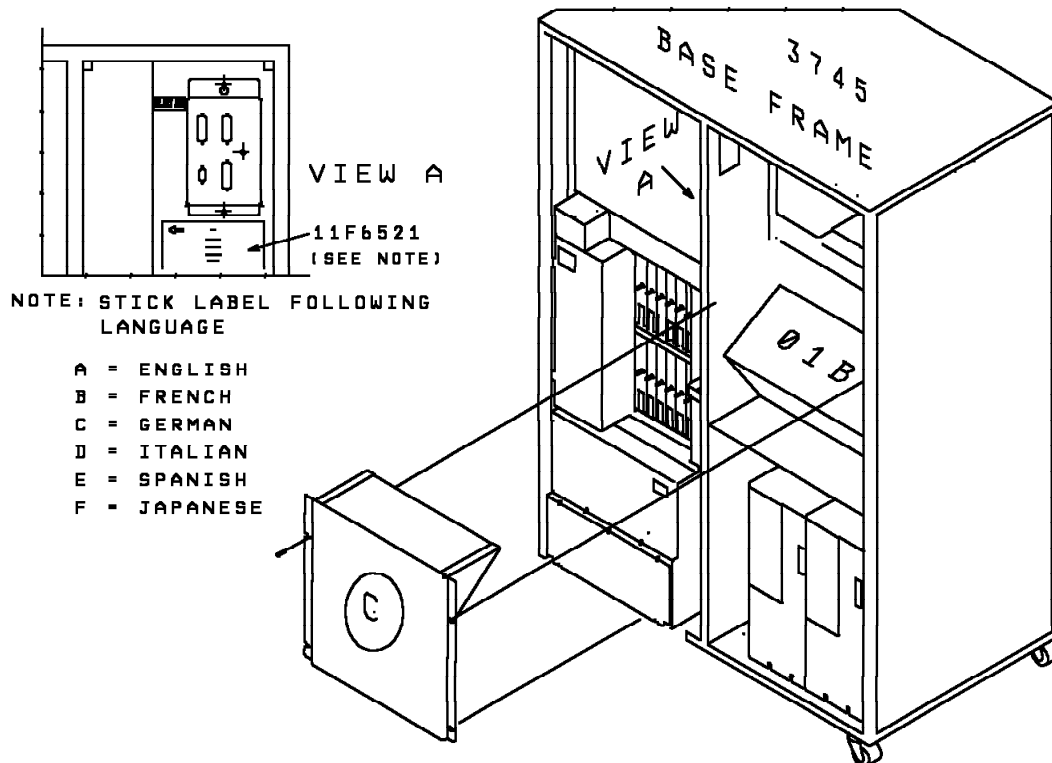
- Mount extender P/N 1953093 on BPC1.  
Plug the card in place of removed CSP card, position 4.0  
Secure it with intermix bracket P/N 1953110.
- Insert one dummy card P/N 2733278 in FESH card position.

### 10.5.5 Last HPTSS in 3745.

**Warning:** For this step the complete 3745 must be **POWER OFF**

If you have removed the last HPTSS adapter from board 01G-A1 you must remove a DMSW card and an IOC terminator card (DTER). (a second DMSW card will be removed if a second CCU is installed.)  
If not skip to step 10.7

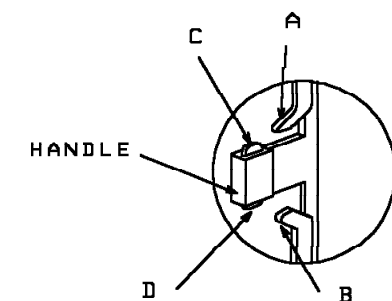
- Remove the DTER card from position 01G-A1W2 and install a dummy card P/N 2733278.



- From the rear of the machine.  
Remove the shield C with 4 screws.

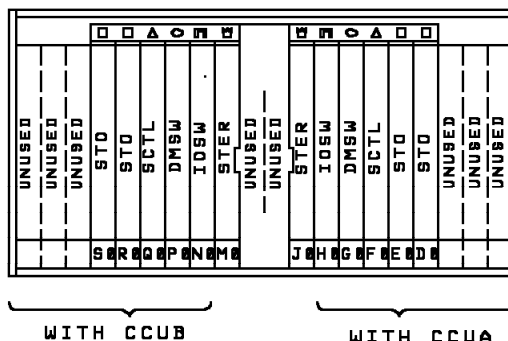
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- Locate the 01B area and remove the DMSW card(s) from position G0, and from P0 if a second CCU is installed as follows :  
 Using both hands, move levers A and B simultaneously by pushing them outwards.  
 Press in catches C and D gently, and draw the card(s) assembly(s) out of the board.  
 Insert dummy card(s) P/N 89X3307 in G0 and P0 (For second CCU) then carefully move levers A and B inwards.

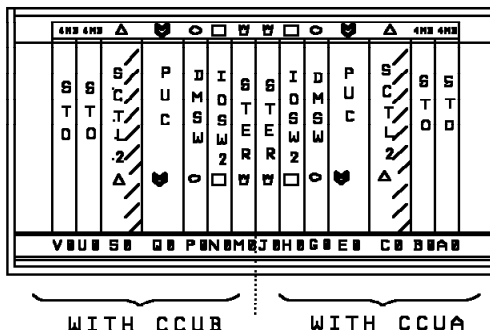


CARD CLAMP MECHANISM

SACU/SACL CARD LOCATIONS  
FOR MODELS 218/418



SACU/SACL CARD LOCATIONS  
FOR MODELS 318/618



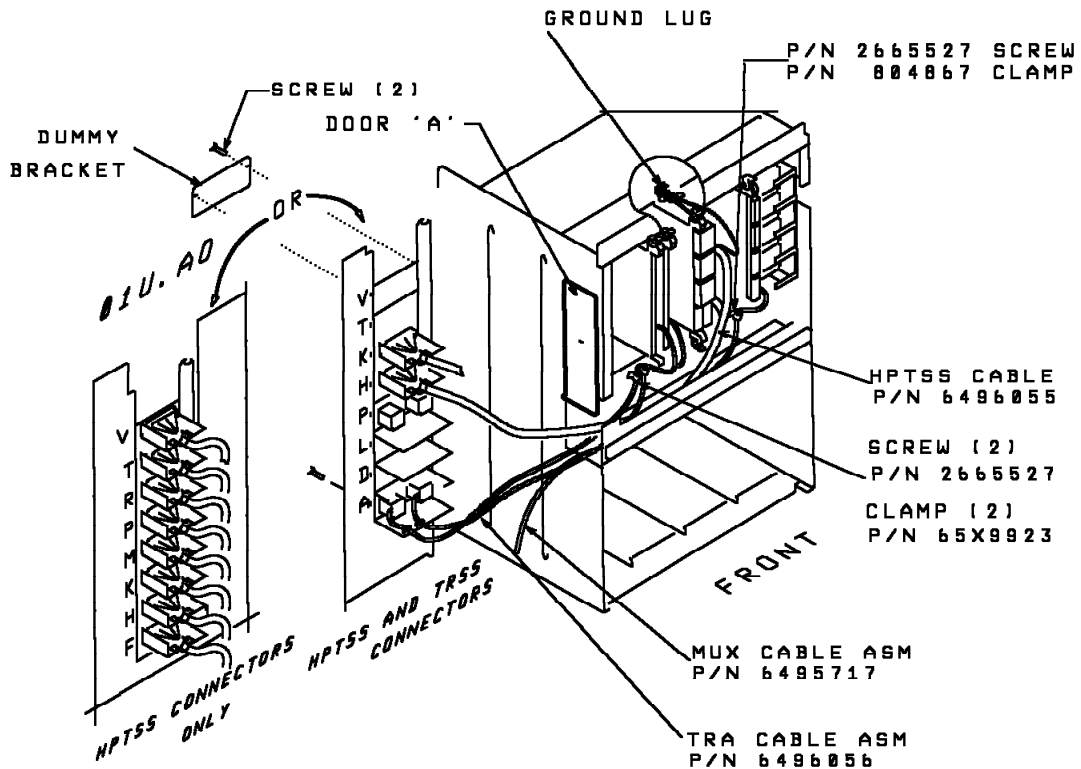
- Reinstall the shield over the board ASM.

## 10.5.6 Skip to step 10.6.4.

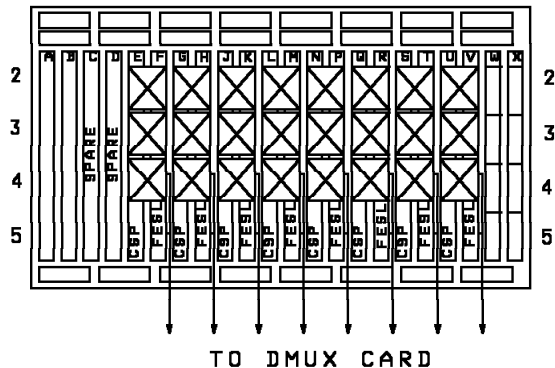
## 10.6 Low Speed Scanner removal

- With the HONE Configurator sheet and the tables in step 4.0, identify the frame where the adapter will be removed.
- Open the corresponding system cover, then a shield (if present) and locate the line adapter enclosure (01G, 02A, 02F, 03F) where the adapter will be removed.
- Slide the door indicated 'A' UP.

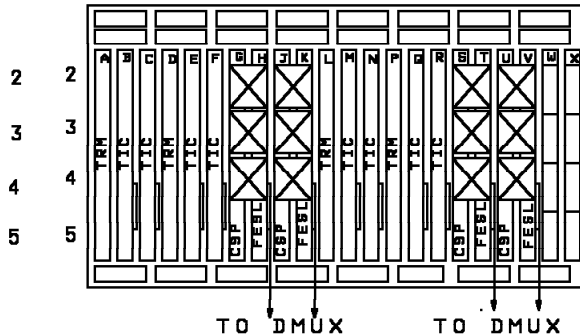
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TSSB BOARD WITH TSS ONLY



TSST WITH TRSS AND TSS



### 10.6.1 Card removal.

- Identify the adapter cards, then unplug the 3 crossovers from top connectors cards.
- Unplug the 2 TSS cards, then the MUX cable from FESL card.  
Insert removed cards in bags provided by this FFB/M.

### 10.6.2 BPC1 card installation (If required).

If HPTSS or TSS is removed, the machine should be reconfigured, no hole is authorized. But, following customer configuration, a BPC1 may be shipped.

- Mount extender P/N 1953093 on BPC1.  
Plug the card in place of removed CSP card, position 4.  
Secure it with intermix bracket P/N 1953110.
- Install one dummy card P/N 2733278 in FESL position.

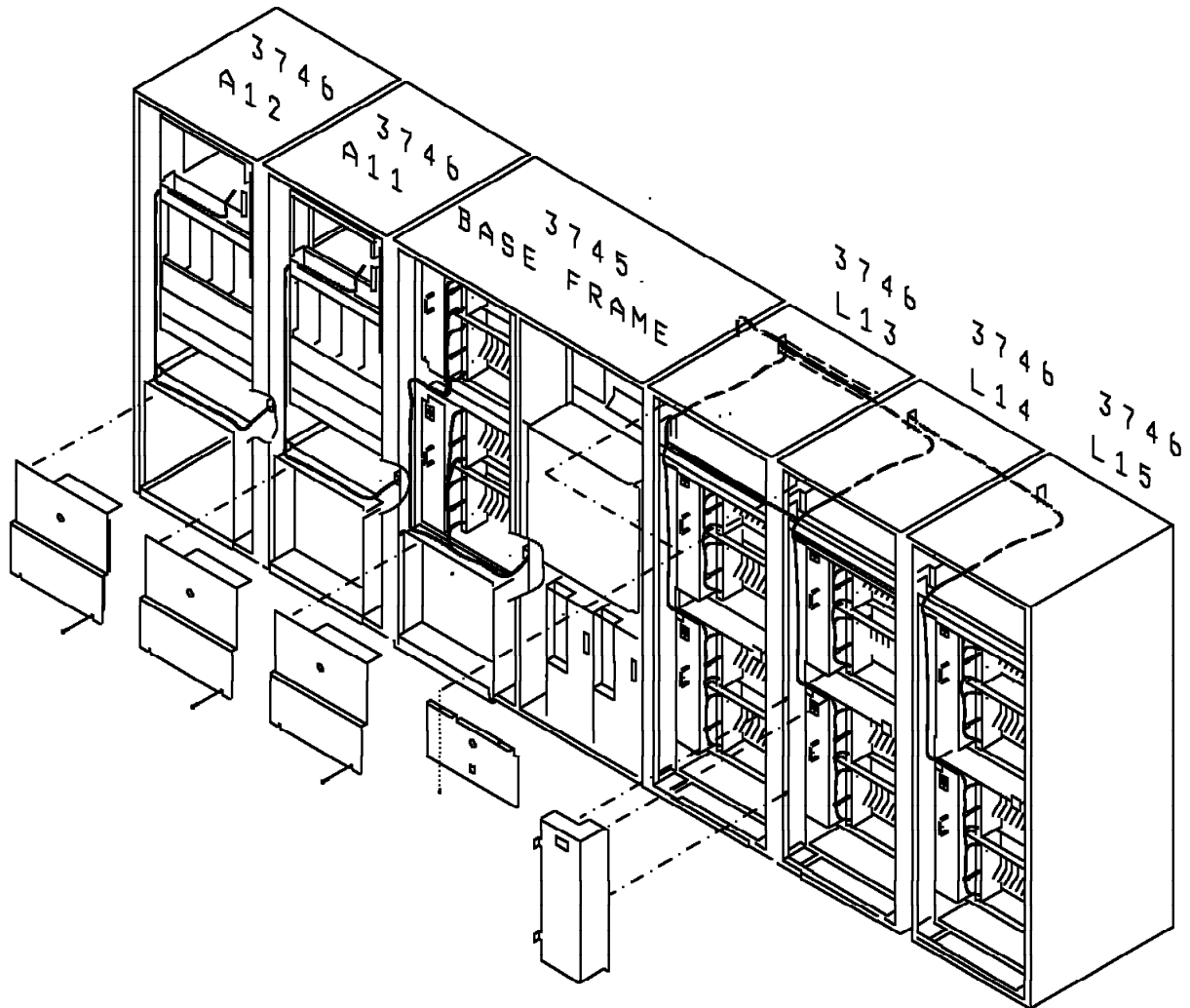
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### 10.6.3 MUX cable removal.

- Remove the clamp P/N 804867 with its screw securing the MUX cable in scanner enclosure.

With the HONE Configurator sheet identify and locate the LIU1 or LIU2 and the DMUX/SMUX card associated with the scanner.

You may use also YZ839 to determine the DMUX/SMUX/LINE ENCLOSURE/ SCANNER relationship.

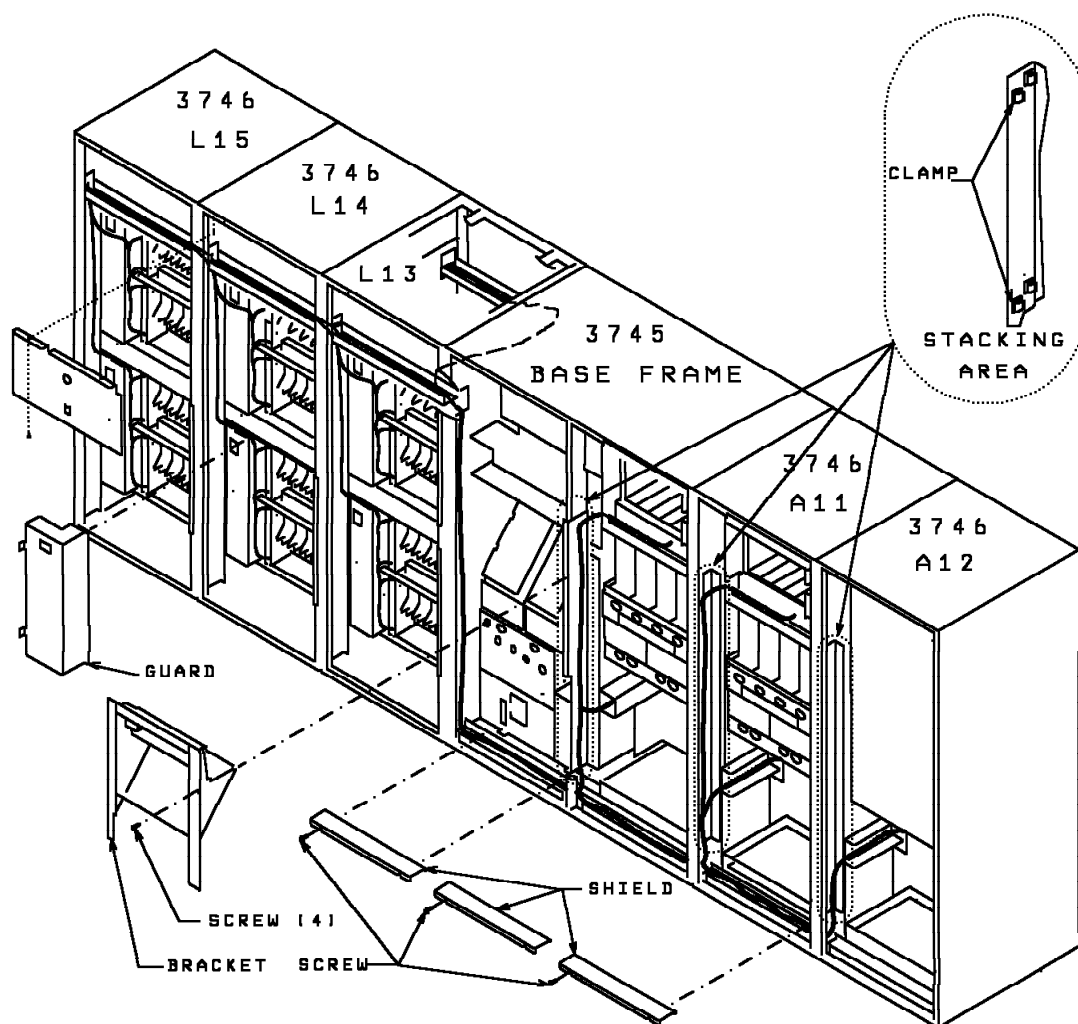


- Open corresponding system cover, then remove guard over the identified DMUX/SMUX card by loosening 4 screws.  
Save for reinstall.

- Unplug MUX cable from the DMUX/SMUX card (socket W or Z) and remove the cable from the machine.

**Note:** The DMUX/SMUX card is located in position B0 of each LIB board .  
You may have to remove several covers on raceway or shields to remove the MUX cable.

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#### 10.6.4 POWER REMOVAL.

If the complete 3745 is **POWERED OFF**, proceed.

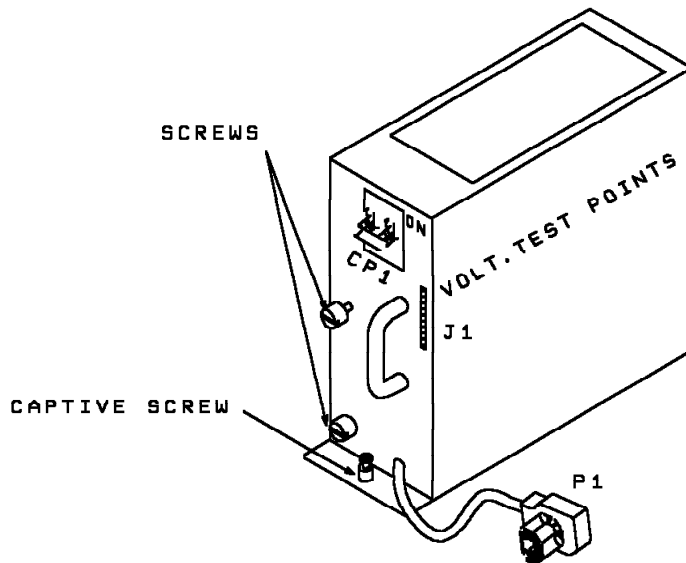
Otherwise skip to step 10.7.

If you remove a line adapter from an odd position (1,3,5,...) and the next adjacent adapter position is empty, you must remove the associated power block.(PSTY4).  
Otherwise skip to step 10.6.6.

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### 10.6.5 PSTY4 removal.(ODD adapter, 3745 power OFF).

- Locate the power box located directly under the enclosure where you have removed the adapter.
- Identify the power supply per tables in step 4.0, set the PSTY4 CP1 off and unplug the plug P1 from the connector just below the power block.
- Unscrew the two front screws then the captive screw at the bottom front of the power.



- Slide the line adapter power supply out the power box.
- Install dummy bracket P/N 58X9377 with a screw P/N 2665527 in the same location.

### 10.6.6 Reinstall covers and shields removed in previous steps.

## 10.7 Covers.

Move down the door 'A' on the left side of line adapter enclosure.

Reinstall all shields removed in previous steps.

**If the complete 3745 is powered OFF, proceed.**

**Otherwise Go to step 11.2.**

## 10.8 Power On

### 10.8.1 Switch CB1 ON, and close system covers.

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## 10.8.2 On control Panel

Press *Function* key until 1 is displayed.

Press *Validate* key.

Press *Power on* key.

### Warning

After removing the last HPTSS (SWDM card removal), Subsequent MOSS IML will be completed with: Alarm 01 MOSS transient error  
Ignore this error, *Verify CDF* will fix it.

## 11.0 TEST PROCEDURES:

This procedure must be followed if the complete 3745 has been POWERED OFF.

## 11.1 Tests after LA removal with 3745 Power Off (MOSS Alone).

### 11.1.1 On local console:

Wait for CA interface display screen, Press *F4*

Enter *Maintenance Password*, Press *SEND*.

### 11.1.2 Power Configuration table.

**Note:** If you have removed a PSTY4 proceed. If not, go to next step.

- Enter *POS*, Press *SEND*.
- Enter *C (create)*., Press *SEND*.
- When the *Created power configuration table* is displayed, check, that the ID of PSTY4 you have removed is blanked.
- Enter *Y* to confirm., Press *SEND*.
- Press *F1*.

### 11.1.3 Update the configuration data file (CDF).

- Enter *CDF*, Press *Send*.
- Select *Verify*, Enter 4, press *Send*.  
The values from the disk and the machine should be identical except for the adapter you have just removed.  
To update the CDF with machine values, enter 2, Press *Send* .
  - When function completed, *CDF verify completedmsg* is displayed.  
Press *F6*.
  - If adapters are not recognized go to MIP and follow appropriate procedure.

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### 11.1.4 Display the Configuration Data File (CDF).

- Select *DISPLAY/UPDATE*, Enter 1, Press *SEND*.
- Select *LA*, Enter 7, Press *SEND*.  
N should appear under the LA number you have just removed.
- Press *F6* if you have removed a DMSW card.  
If not press *F1* and go to next step.
- Select *DISPLAY/UPDATE*, Enter 1, Press *SEND*.
- Select *SWITCH*, Enter 5, Press *SEND*.  
A N should be displayed in front of DMSW for CCU A and B (if installed).
- Press *F1*.

### 11.1.5 Run Diagnostics.

- Enter *ODG*, Press *SEND*.
- Enter 3 (IOCB), Press *SEND*.
  - If any error is reported, go to *Maintenance Information Procedures(MIP)* chapter 2 and follow appropriate procedures.
  - If no error reported, Press *F1*.

### 11.1.6 Save Disk contents onto BACK-UP set of diskettes.

- Select *DIF*, Press *SEND*.
- Select 2,
- Enter the date and save-ID and press *SEND*.  
Follow prompts on console.
- When function complete, terminate, Press *F1*.

### 11.1.7 Logoff local console.

Re-enable all channel adapters disabled in step 10.1.2.

### 11.1.8 General IPL.

On control Panel:

- Set the *Function* indicator value to 0 (General IPL).  
Press *Validate* key.  
General IPL starts.

If steady *FF4* code is displayed on control panel, ask customer for Control Program loading.  
If Control program is loaded from hard disk, 000 will be displayed when *IPL* successful.

**Note:** Control program can fails if a mismatch exists between control program and hardware configuration.

- Set the Power control indicator to its original value recorded in step 10.1.1

Go to step 12.0.

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## 11.2 Tests after LA removal with 3745 Power On (MOSS on-line).

### 11.2.1 Set PSTY4 UP.

**Note:** PSTY4 must be power on, to allow the CDF update. On local console: (POS function screen).

The power status is *DOWN* for the identified PSTY4.

- Enter *UXX* (XX being the PSTY4 ID), to set the power *UP*.  
Verify that the PSTY4 goes to UP state.  
Press *F1*.

### 11.2.2 Update the Configuration Data File (CDF)

- Enter *CDF*, Press *SEND*.
- Select *LA*, Press *SEND*.  
*Y* is still displayed under the LA you have just removed.
- Enter the LA number, Press *SEND*.  
Press *F5* (Update).
- Enter *2* (delete), Press *SEND*.
- Wait for *CDF LA change completed message*.  
Press *F6*.
- *N* is now displayed under the LA number.  
Press *F1*.

**Note:** If you have removed an adapter from EVEN position skip to step 11.2.6.

If you have removed an adapter from ODD position,(1,3,5..) and if the next adjacent adapter position is empty, you must remove a PSTY4, then proceed.

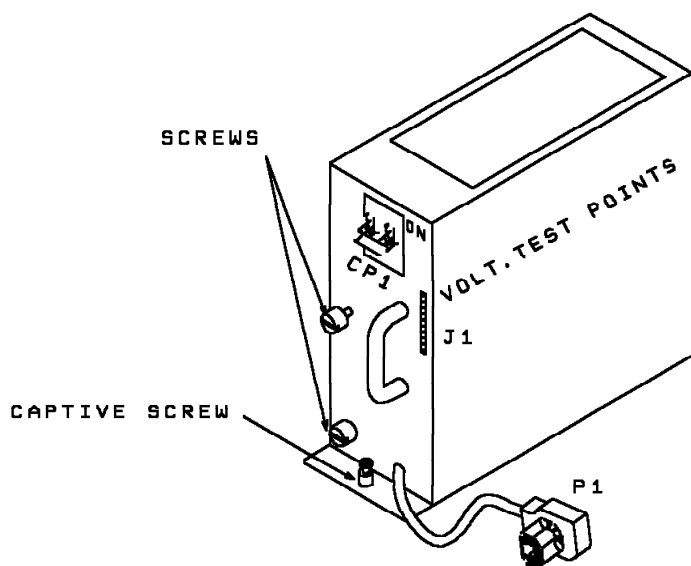
### 11.2.3 Set PSTY4 DOWN.

- Enter *POS*, Press *SEND*.
- Select the frame where the PSTY4 is installed.  
The power status is *UP* for the identified PSTY4.
- Enter *DXX* (XX being the PSTY4 ID), to set the power *DOWN*.  
Verify that the PSTY4 goes in down state.  
Press *F6*.

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## 11.2.4 PSTY4 removal.

- Locate the power box located directly under the enclosure where you have removed an adapter.
- Identify the power supply per tables in step 4.0, set the PSTY4 CP1 OFF and unplug the plug P1 from the connector just below the power block.
- Unscrew the two front screws then the captive screw at the bottom front of the power.



- Slide the line adapter power supply out of the power box.
- Install dummy bracket P/N 58X9377 with a screw P/N 2665527 in the same location.

## 11.2.5 Create the power configuration table.

On local console:

- Enter *C* (create), Press *SEND*.  
Check that the ID of PSTY4 you have removed is blanked.
- Enter *Y* to confirm, Press *SEND*.
- Press *F1*.  
You have removed a ODD adapter, then go to step 11.2.9.

## 11.2.6 Concurrent diagnostics.

N/A

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### 11.2.7 Reconnect the adjacent scanner to NCP.

(If you have removed a TRSS, go to next step).

Otherwise proceed.

- Enter *IMS*, press *SEND*.
- Enter *SXX* (XX being the LA number), Press *SEND*.  
Wait for operation complete. When function complete, the scanner is connected to NCP.
- Press *F1*.  
Notify customer to re-activated all the lines connected on the scanner. Go to step 11.2.9.

### 11.2.8 Reconnect a TRA to NCP.

- Enter *TRS*, Press *SEND*.
- Enter *1* ( *SELECT* mode), Press *SEND*.  
Select the TRA number, Press *SEND*.
- Move the cursor to the bottom of the screen then enter *2* (Connect/ disconnect)  
Press *SEND*.  
Enter *CT* (Connect), Press *SEND*.
- Press *F1*.
- Notify customer to re-activate all the rings attached to the TRA.

### 11.2.9 Set the MOSS OFF-LINE.

- Enter *MOF*, Press *SEND*.

**Note:** If 3745 model 410/610, CCU must be selected with *CSR* function before performing *MOF* function.

Perform *CSR/MOF* sequence for each CCU.

### 11.2.10 Save Disk contents onto BACK-UP set of diskettes.

- Select *DIF*, Press *SEND*.
- Select *2*.
- Enter the date and save-ID and Press *SEND*.  
Follow prompts on console.
- When function complete, Press *F1*.

### 11.2.11 Logoff local console.

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## AFTER INSTALLATION. (Steps 12-15)

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### 12.0 FIELD UPDATING:

None

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### 13.0 FIELD SUPPORT PUBLICATIONS:

None

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### 14.0 PARTS DISPOSITION:

- **Purchased Machines:** Refer to the parts ownership matrix to determine the correct owner of removed/unused parts.
  - For Domestic Area, return parts to customer.
  - For EMEA/APG/AG Area, refer to *H.W. and General Service Code Description*.

All parts determined to be the property of IBM should be processed as stated in the rental machine directions below.

- **Rental Machines:** Provide all (or the following) parts to the IBM branch office for potential return in accordance with existing return, recovery, and reclamation programs.

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### 15.0 MACHINE RECORDS:

- Install the new *MACHINE HISTORY* supplied .
- Report the installation and quality according to the existing procedure. Use service code 31.

END OF INSTRUCTIONS

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## Processing Options

### Runtime values:

Document fileid .....	P66X0034 SCRIPT
Document type .....	PNCDOC
Document style .....	DEFAULT
Profile .....	EDFPRF30
Service Level .....	21Jun90
SCRIPT/VS Release .....	3.2.1
Date .....	91.08.05
Time .....	14:30:18
Device .....	3820A
Number of Passes .....	2
Index .....	YES
SYSVAR G .....	INLINE
SYSVAR P .....	3820
SYSVAR R .....	XREF
SYSVAR U .....	FNT382SS
SYSVAR W .....	XREF

### Formatting values used:

Annotation .....	NO
Cross reference listing .....	YES
Cross reference head prefix only .....	NO
Dialog .....	LABEL
Duplex .....	NO
DVCF conditions file .....	(none)
DVCF value 1 .....	(none)
DVCF value 2 .....	(none)
DVCF value 3 .....	(none)
DVCF value 4 .....	(none)
DVCF value 5 .....	(none)
DVCF value 6 .....	(none)
DVCF value 7 .....	(none)
DVCF value 8 .....	(none)
DVCF value 9 .....	(none)
Explode .....	NO
Figure list on new page .....	YES
Figure/table number separation .....	YES
Folio-by-chapter .....	NO
Head 0 body text .....	(none)
Head 1 body text .....	(none)
Hyphenation .....	YES
Justification .....	NO
Language .....	ENGL
Layout .....	1
Leader dots .....	YES
Master index .....	(none)
Partial TOC (maximum level) .....	4
Partial TOC (new page after) .....	INLINE
Print example id's .....	NO
Print cross reference page numbers .....	YES
Process value .....	3820
Punctuation move characters .....	„
Read cross-reference file .....	XREF
Running heading/footing rule .....	NONE
Show index entries .....	NO
Table of Contents (maximum level) .....	3
Table list on new page .....	YES
Title page (draft) alignment .....	CENTER
Write cross-reference file .....	XREF