

FILM-TECH

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Introduction

This Tech Notice describes how to change the XD10P internal power supply board.

Parts Required

XD10P Power Supply Board, DTS Part Number 2013001000

#1 Phillips Head Screw Driver (not supplied by DTS)

Multi Meter (not supplied by DTS)

Instructions

1. Power off the XD10P unit and remove all cables from the back panel. Remove the unit from the rack. Be sure to save the four rack-mount screws.
2. Remove the XD10P top cover and locate the power supply board on the right side of the unit, as shown in Figure 1, below. Be sure to save all top-cover screws.

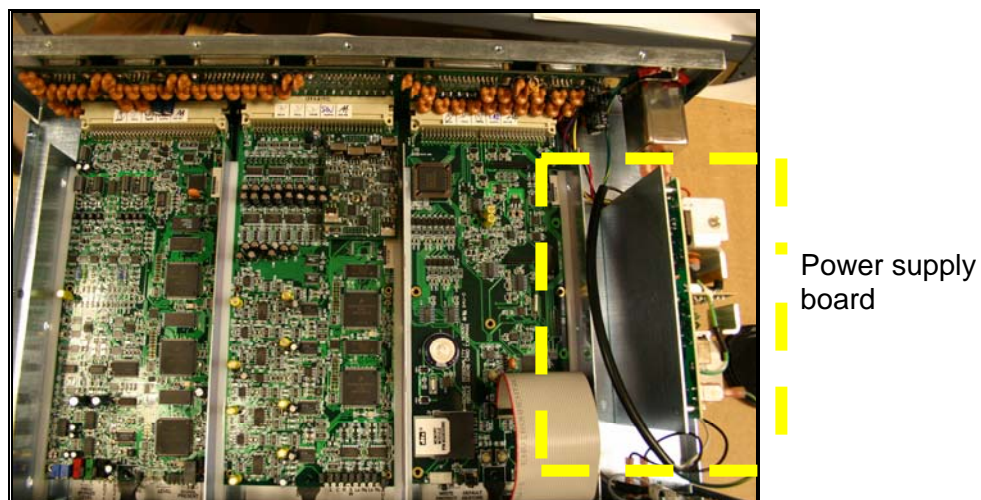


Figure 1. Locate Internal Power Supply Board

3. Carefully remove the four screws securing the power supply board/bracket to the XD10P bottom cover. Save all four screws, shown in Figure 2.



Figure 2. Remove Four Screws from Bottom Cover

- Carefully disconnect all three interconnect cables to the power supply board, indicated in Figure 3. Then remove the power supply board from its bracket. You will need to re-use the bracket for the new board.

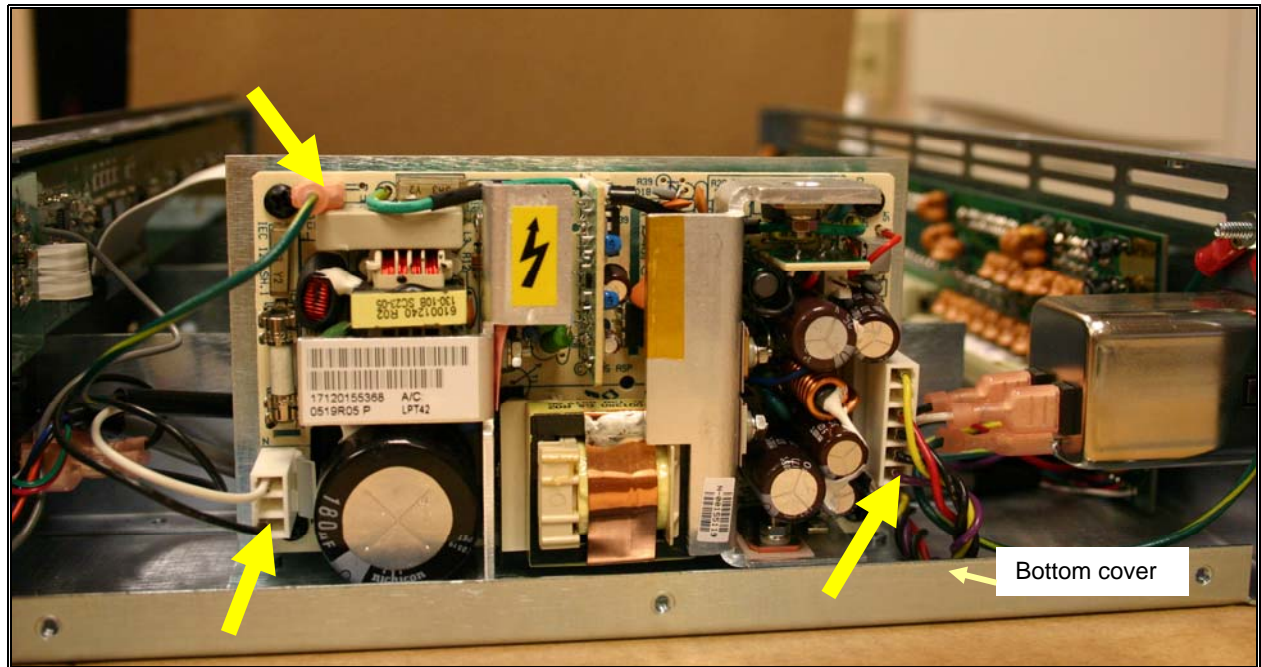


Figure 3. Disconnect Interconnect Cables from Power Supply Board

- Install the new power supply board to the bracket. Use the four saved screws (from Figure 2) to connect the power supply board/bracket to the XD10P bottom cover. Note that the power supply bracket is a separate piece of hardware; it is not part of the power supply board assembly.
- Reconnect all three interconnect cables, shown in Figure 3.
- Connect the power cable and apply power to the XD10P. Verify that the unit correctly boots to standard operation.

If the unit will not power up:

- Verify the cable connections shown in Figure 3.
- Using an ohm meter, verify that the rear panel fuse, shown in Figure 4, is still good. If the reading on the ohm meter is zero (0) ohms, then the fuse has blown and needs to be replaced.

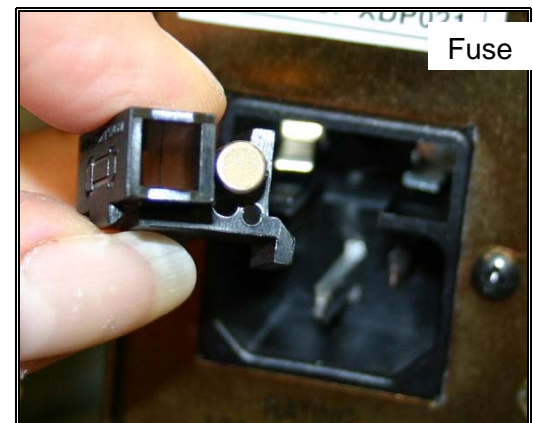


Figure 4. Fuse Location on Rear Panel



DEPARTMENT Customer Service	CREATED BY: Karen Hultgren	EFFECTIVE DATE October 23, 2006	APPROVED BY:
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8. Using a multi-meter, verify the output voltage of the new board.



Correct Output Voltage

<u>Colors</u>	<u>Voltage</u>
Orange	+12VDC
No Connection	
Yellow	+ 5VDC
Black	0V (ground)
Grey	0V (ground)
Brown	- 12VDC

Figure 5. Location of Output Connector

- Reinstall the XD10P top cover, using the screws saved in Step 2. Ensure that the wires are properly routed, as shown in Figure 3. Verify that no wires are crushed when installing the top cover.
- Put the unit back into the rack. Replace the four rack-mount screws and reconnect cables removed in Step 1.
- Apply the power once again and verify that the XD10P correctly boots to standard operation.

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