

# Grass Valley

## Field Modification Note

FM2400-00

**FM Number:** FM2400-00

**Ref ECO:** 9772

**Date:** November 1996

**Product:** VPE 131,141, 241

**Assemblies:** Frame Power Supply Wiring Harness

**Purpose:** Corrects a lock up condition which occurs during a disk backup or init operation. This is caused by a voltage drop across the dc harness which affects the +5 VDC line when the disk drive does a SEEK operation.

**Parts Included:**

Part Number	Description	Qty
	FM2400-00 Sticker	1
153362-00	Harness Assembly, P/S VPE 131,141,241	1

**Instructions:**

1. This modification requires replacement of the power supply dc harness inside the electronics frame.
2. Power down the frame and remove power cord from the back of the frame.
3. Remove the frame from the rack and place it on a static-free surface.
4. Take off the top cover of the editor frame by removing the eight phillips screws which hold the cover to the chassis.

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**CAUTION:** To prevent static damage to sensitive components, use a grounded wrist strap, mat, and tools when handling printed circuit modules.

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5. Be sure the power cord is disconnected from the back of the frame before proceeding.
6. Remove the power supply metal cover by unscrewing the four phillips screws holding the cover to the supply.
7. Locate the dc harness connector at the rear of the power supply. See Figure 1.
8. To remove the harness connector from the power supply, use a small flat-blade screwdriver to pry apart the plastic locking mechanism holding the harness connector in place and pull up to remove the connector.

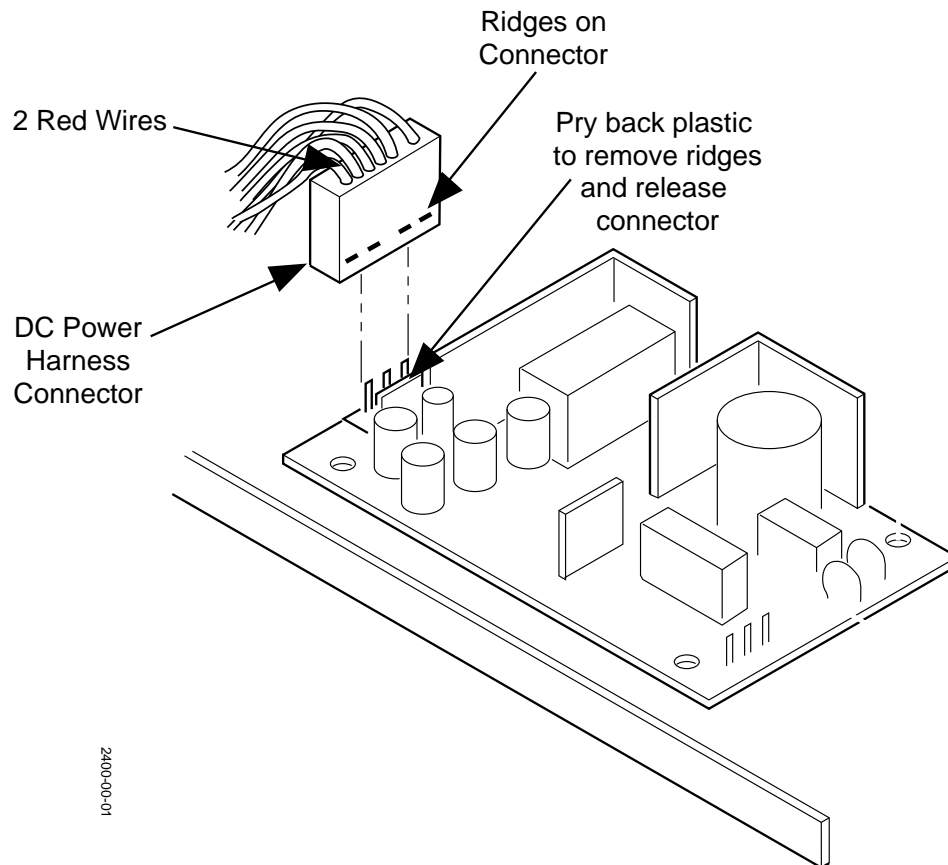


Figure 1

9. Remove the other end of the harness (the brown connector) from the backplane by gently prying open the locking mechanisms on either side of the connector, which hold it in place.
10. Install the new connector you have received (with the white plastic on the power supply end).
11. First connect the brown plastic connector to the backplane, noting the corners of the plug are keyed to fit the socket (diagonal corners on the bottom).
12. Insert the white plastic connector into the power supply socket, noting the ridged side of the connector must be facing the power supply so that the red wires are on the left (when looking at the frame from the front). Snap the ridges into the plastic locking mechanism on the power supply connector so the fitting is secure.
13. Replace the power supply cover.
14. Make sure the harness wires are not touching the power supply cover. Reshape the harness wires slightly if you need to.
15. This completes the modification.
16. Replace the frame cover, the power cord and re-rack the unit.