FCO CA06199: Mean Well Power Supply PS3

Document number: 719-00502A-B

Product

Trendsetter® NEWS 200

FCO priority

Next failure

Background

Starting with Trendsetter NEWS output device serial number NM344, Mean Well power supplies are being used instead of Astec power supplies.

If an Astec PS3 fails on a Trendsetter NEWS 200 output device, it must be replaced with a new Mean Well PS3.

Parts required

Part Number	Part Name	Quantity
512-02647A	ASSY,PS3,NEWS200,+48V MW 750W W/CAB,TSM	1

Procedure

To replace Astec power supply PS3 with Mean Well PS3:

1. Power down the output device and open the power box.
2. Disconnect Astec PS3 cable 10-4838A from power distribution board (PDB) connector J3.
3. Disconnect thermal imaging head power cable 10-4850A from Astec power supply PS3.
4. Disconnect the ground cable from Astec power supply PS3.
5. Remove Astec power supply PS3 and cable 10-4838A (Figure 1) from the power box.



Figure 1: Astec power supply PS3

6. Attach the new Mean Well power supply PS3 with bracket and cables (Figure 2) to the power box in the same position as the Astec power supply you removed in step 5.



Figure 2: Mean Well PS3 with bracket and cables

7. Connect thermal imaging head power cable 10-4850A to the short adapter cables on the new Mean Well PS3, using a screw, nut, and star-washer (see A in Figure 3).

8. Cover the connections between cable 10-4850A and the short adapter cables on power supply PS4 with heat-shrink tubing. Use cable ties to secure the heat shrink tubing to each connection (see B in Figure 3).

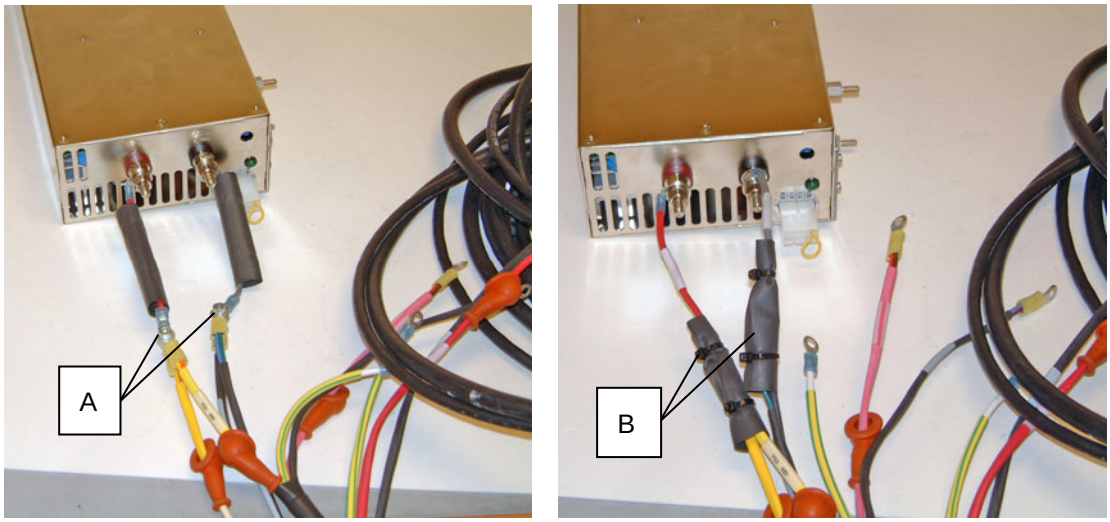


Figure 3: Connecting 10-4850 to modified Mean Well PS3 connections

9. Connect cable 10-5056A from the new Mean Well power supply PS3 to PDB connector J3.

10. Reconnect the ground cable to the new Mean Well power supply PS3.

11. On the Trendsetter NEWS output device's ECO 100 label, mark item #21.

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