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OTTAWA, ONTARIO  
CANADA K2C 3H5

INSTALLATION INSTRUCTIONS FOR THE REPLACEMENT

POWER SUPPLY (PCB 158N3)

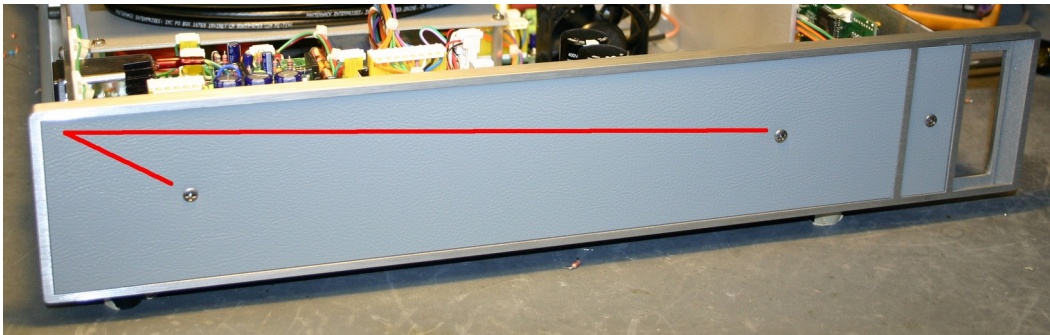
ON MODEL AVRZ-5A-B, S/N 12907

The following replacement parts are included in this shipment:

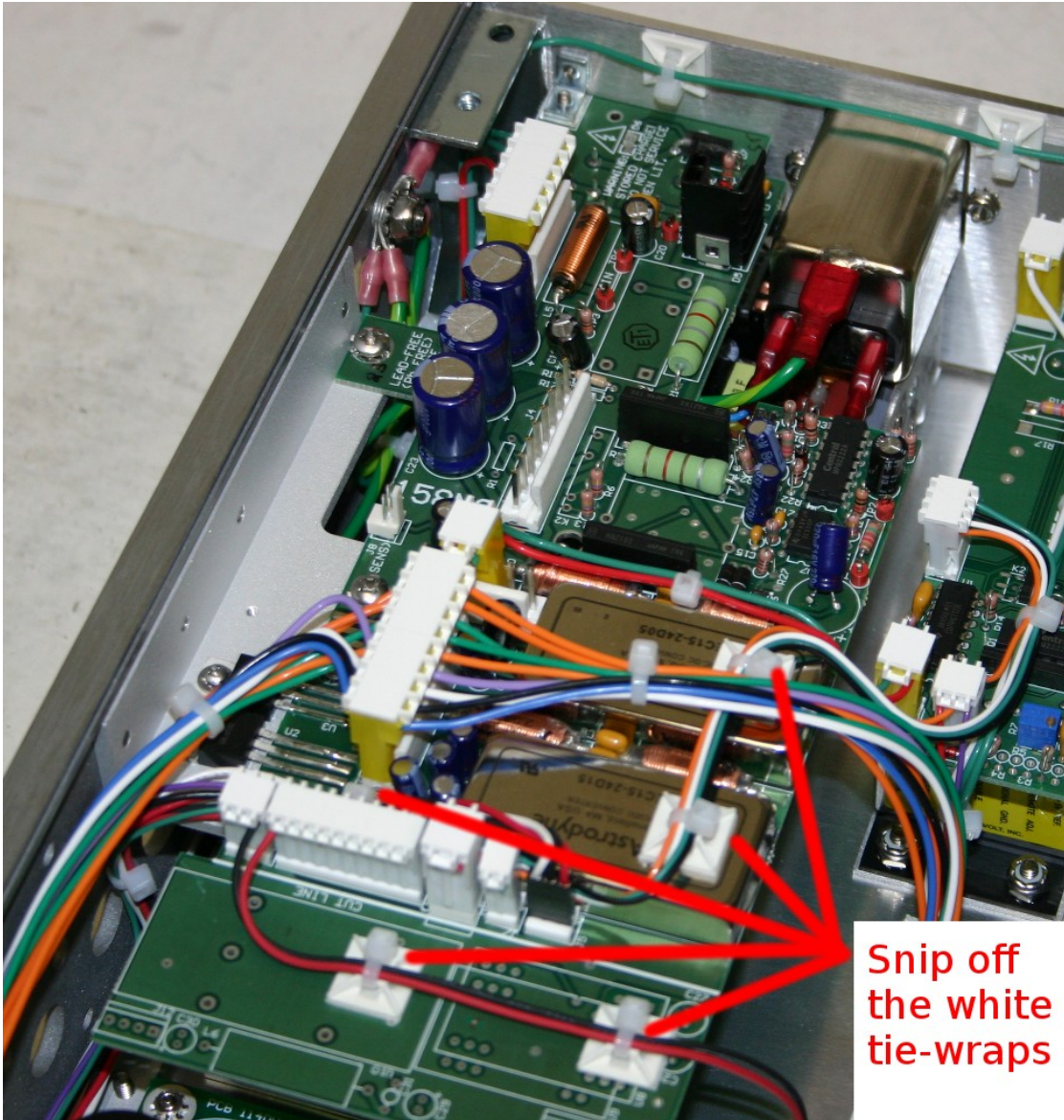
- One PCB 158N3 power supply board, with installed DC fuses (2A and 1A)
- Six Panduit tie-wraps

Note: some photos may not be exactly the same as your unit.

1. Disconnect the power cord from the rear panel.
2. Remove the 4 screws that secure the top cover. Slide the cover off.
3. Unscrew the 2 screws that secure the left side panel. The screw locations are shown in the photo below. Remove the panel.

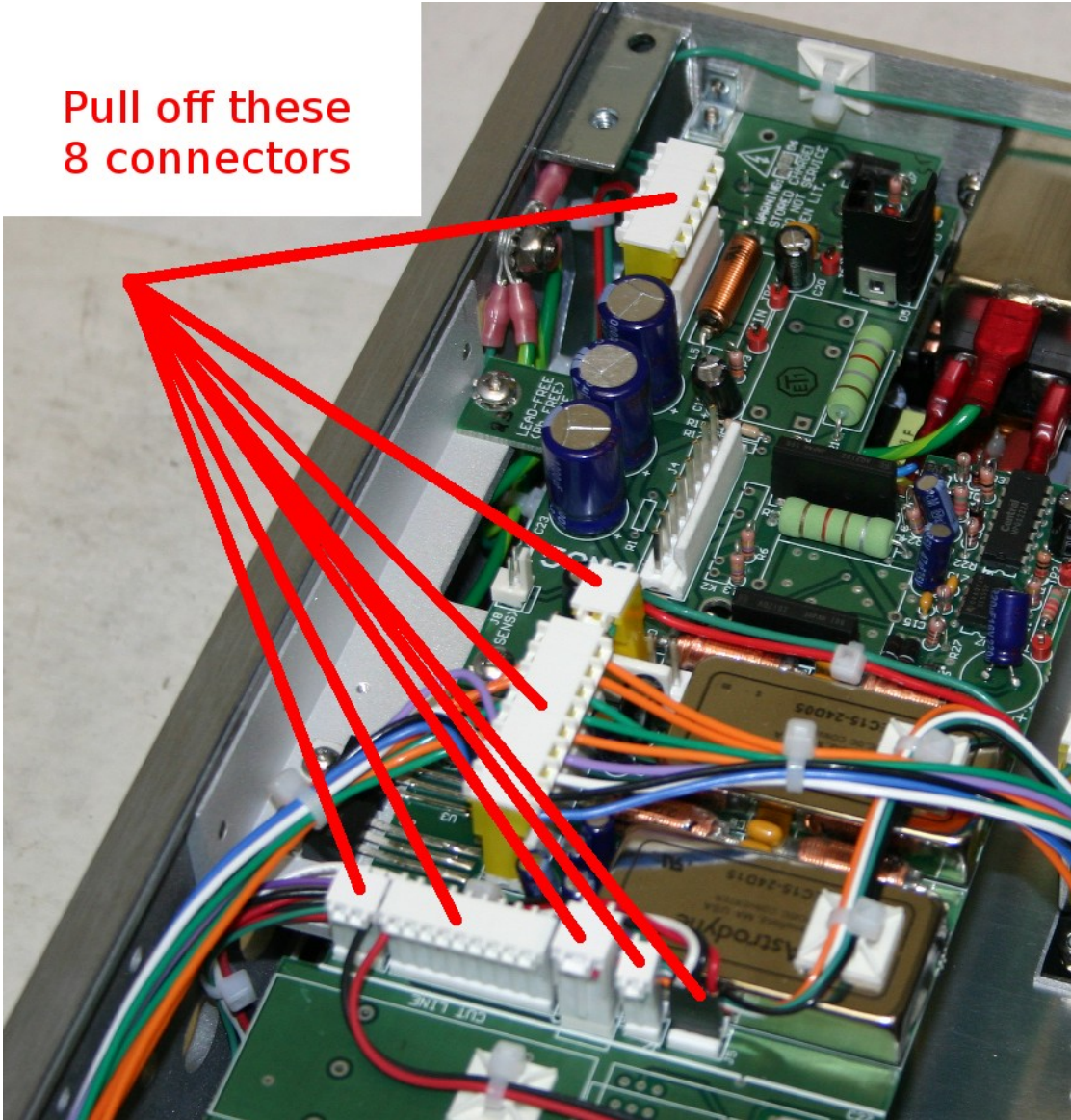


4. Locate PCB 158N3, and snip off the 5 white plastic tie-wraps shown below. Take care not to snip the wires.

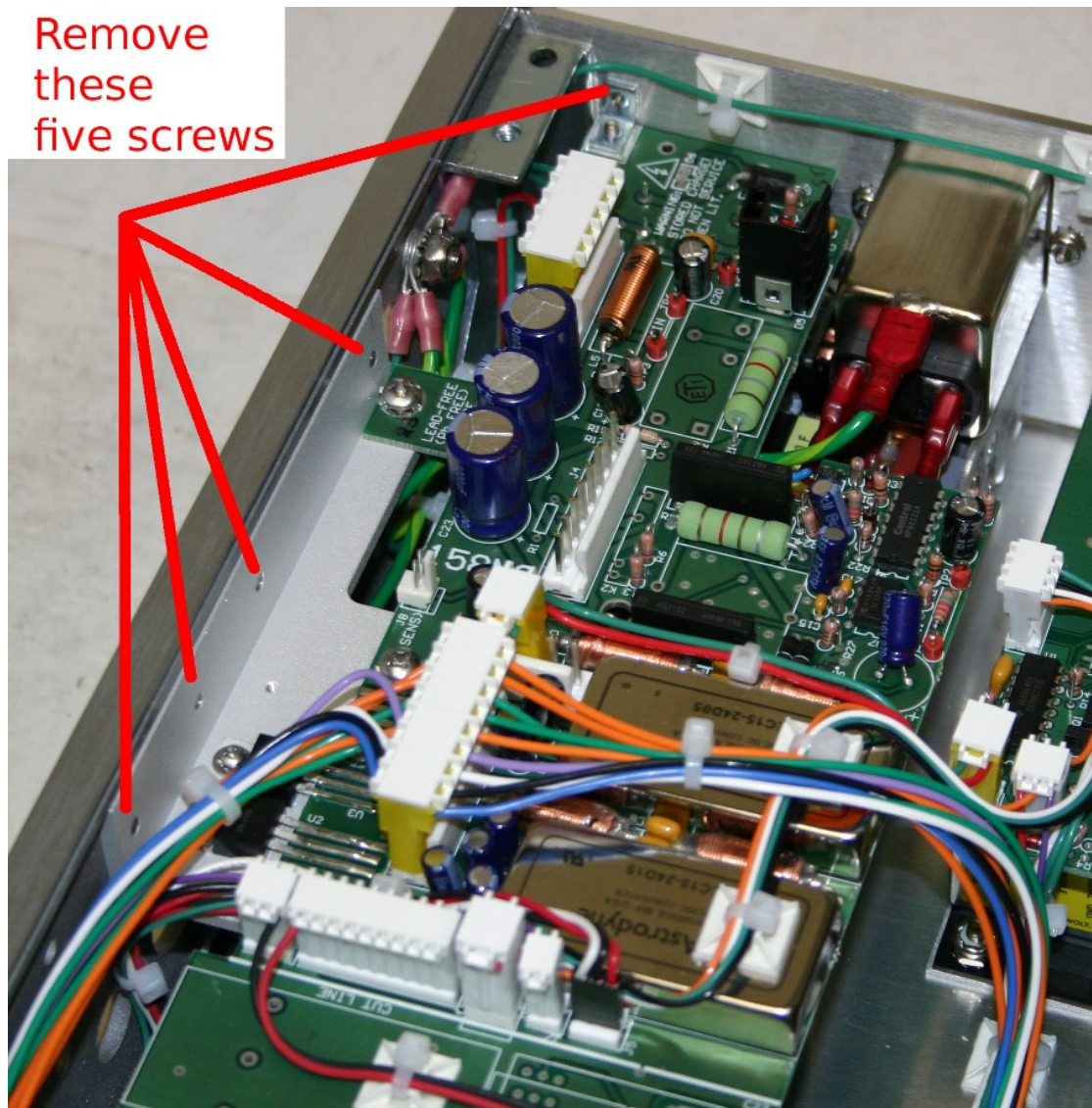


5. Pull the 8 connectors shown below upwards and off.

**Pull off these  
8 connectors**



6. Remove the five screws that secure PCB158N3 to the chassis, shown below:



7. It should now be possible to remove the original PCB 158N3. Move the wires out of the way, and pull the PCB out of the instrument.
8. Slide in the new PCB 158N3.
9. Re-install the 5 screws noted in step 6.
10. Re-install the 8 connectors noted in step 5. In particular, make sure that the 2-pin connector with red and green wires is installed in the middle of its 6-pin header. There should be two unused metal pins on either side of the header (2 unused + 2 on header + 2 unused = 6 total). Make sure it looks the same as the photos above.
11. Re-install the tie wraps shown in step 4. It is OK to omit some, if it is too difficult to re-install them.

12. Re-install the side panel removed in step 3.
13. Re-install the top cover removed in step 2. (Do not apply power with the cover off, due to the presence of dangerous voltages in the instrument.)
14. Re-install the power cord. Test the instrument.

If this does not fix the problem, please return the instrument to Kimball Physics. Kimball Physics can then arrange for warranty repair at the Avtech factory.

If anything is unclear, or further assistance is needed, please contact:

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