



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

□ P.O. BOX 265
OGDENSBURG, NY
U.S.A. 13669-0265

TEL: 888-670-8729 (USA & Canada) or +1-613-686-6675 (Intl)
FAX: 800-561-1970 (USA & Canada) or +1-613-686-6679 (Intl)

info@avtechpulse.com - <http://www.avtechpulse.com/>

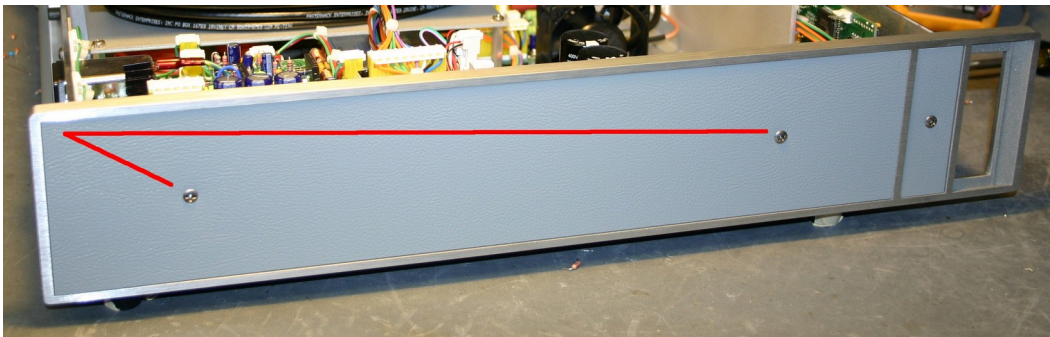
☒ BOX 5120, LCD MERIVALE
OTTAWA, ONTARIO
CANADA K2C 3H4

INSTALLATION INSTRUCTIONS FOR THE REPLACEMENT

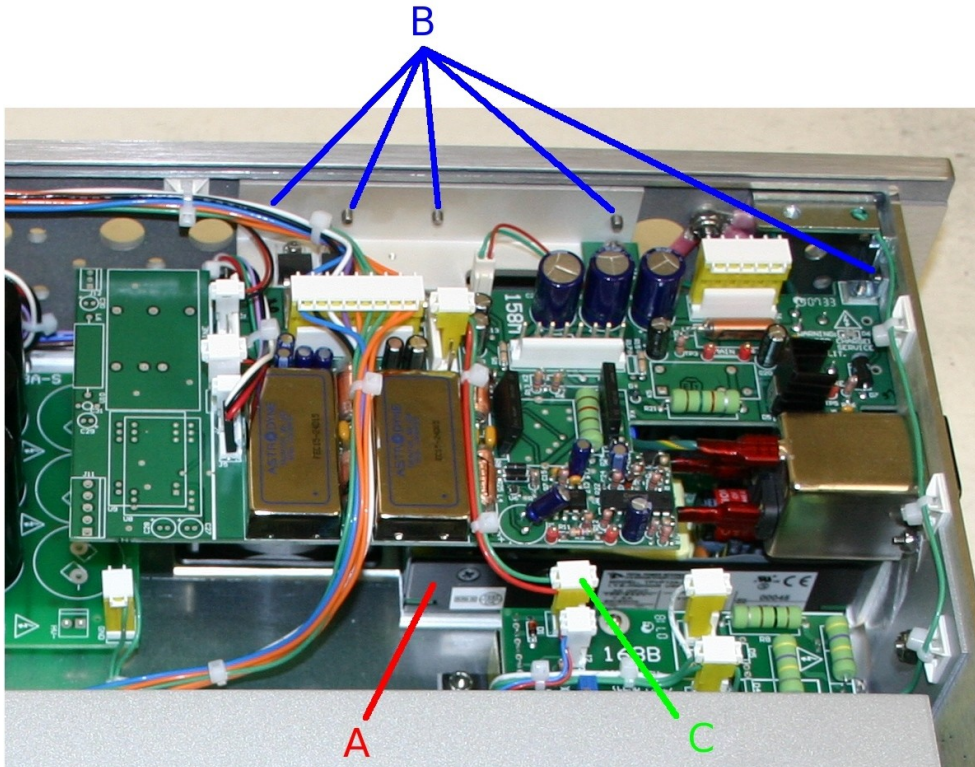
AC/DC POWER SUPPLY (TPVP103-240042)

ON MODEL AVRZ-5W-B-INV S/N 11948

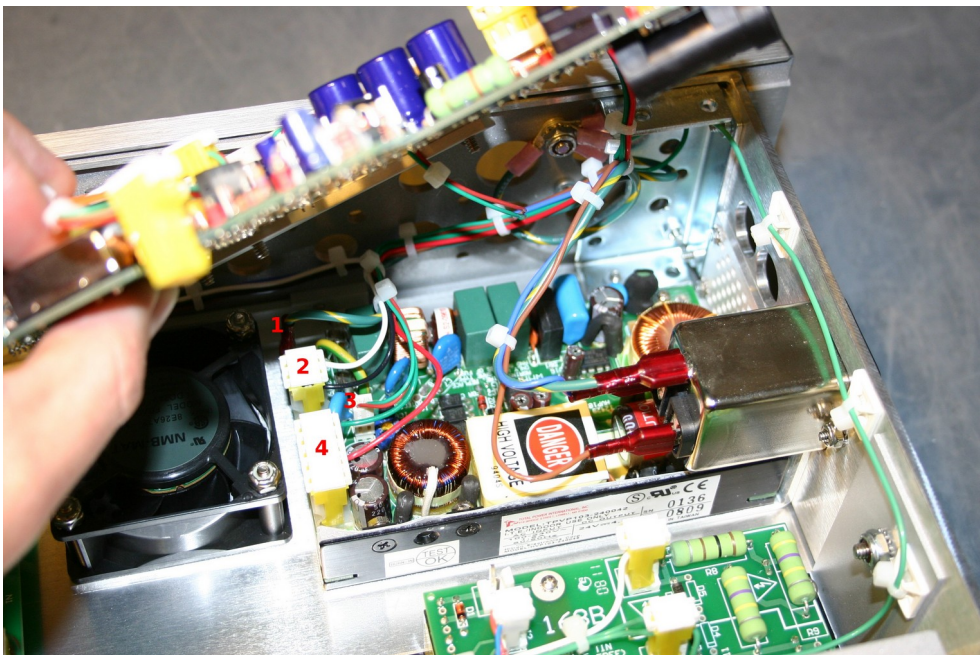
1. Disconnect the power cord from the rear panel.
2. Remove the 4 screws that secure the top cover. Slide the cover off.
3. Unscrew the 2 screws that secure the left side panel. The screw locations are shown in the photo below. Remove the panel.



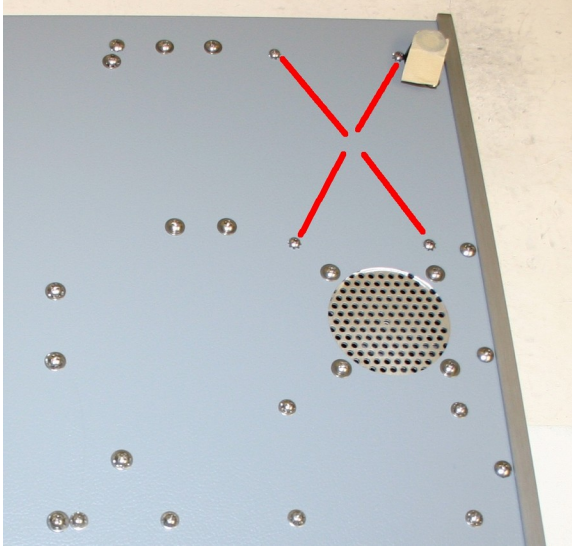
4. Locate the black Total Power TP103-240042 AC/DC power supply, labeled "A" in the photo below:



5. To access the defective TPVP103-240042 ("A"), the PCB 158M circuit board above it needs to be moved out of the way. Remove the 5 screws labeled "B" in the photo above. Pull connector "C" off of PCB 168B.
6. Slide PCB 158M a few millimeters towards the front panel, so the the fuseholders come out of their punched holes in the rear panel. You should now be able to move PCB 158M out of the way, as shown below:



7. Locate the connectors labeled “1”, “2”, “3”, and “4” in the above photo. Slide them off of the mating connectors on the TPVP103-240042 unit.
8. The TPVP103-240042 can now be removed. Locate and unscrew the 4 screws that secure it to the bottom panel, as shown below:



9. Remove the defective TPVP103-240042. Put the replacement TPVP103-240042 in, and secure it to the bottom panel with the 4 screws.
10. Reconnect connectors “1”, “2”, “3”, and “4”.
11. Re-install PCB 158M by sliding its protruding fuseholders back into the matching rear panel holes. Re-connect connector “C” to PCB 168. Re-install the 5 “B” screws.
12. Re-install the side and top panels.
13. Replace the 1A and 2A DC fuses on the rear panel (in the round fuseholders) with new ones.
14. Replace the two 0.5A AC fuses in the drawer below the power cord attachment point with new ones.
15. Re-connect the power cord. Turn on the instrument and test it. It should be operational. If it is not, the instrument will need to be returned to the factory for examination and repair.

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

Dr. Michael J. Chudobiak
info@avtechpulse.com
+1-613-686-6675