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CVA005

POWER HARNESS ASSEMBLY INSTALLATION INSTRUCTIONS

Disassembly:

1. Turn the unit off. Unplug the unit from the outlet, and then remove the power cord from the back of the unit.
2. Remove the (4) four screws securing the cover. Set the cover and screws aside for later use.
3. Remove the (4) four screws securing the plastic shield. Set the shield and screws aside for later use.
4. Unscrew the mounting nut for the power switch.
5. Remove the (2) two screws mounting the AC receptacle to the chassis.
6. Disconnect the P312 connector from the J312 connector on the PC Board. See illustration below.
7. Disconnect the plug going to the bridge rectifier on the rearmost heat sink. See illustration below.
8. Disconnect all ground connections (*i.e. Green/Yellow wires with ring terminals associated with this assembly*).
9. Use a small knife or razor blade to cut away the shrink tubing on Pins #1 and #2 of the main transformer. Then cut the wires at the fuse holder to allow for removal of the fuse holder.
10. Desolder Pins #1 and #2 of the main transformer. (*Note: Be sure to leave the jumper wires to Pins #3 and #4 in place.*)
11. Unscrew the nut on the fuse holder, remove, and discard.
12. Remove and discard the old power harness assembly.

Reassembly:

13. Install the Power Switch (RPI Part #CVS006), AC Inlet Receptacle (RPI Part #RPR710) and Fuse Holder (RPI Part #RPH904) in their designated locations. (*Note: The fuse holder has the capability of being rear mounted so there is no need to desolder the existing wires.*)
14. Secure the power switch to the chassis with the mounting nut and attach the AC inlet receptacle with the two screws and lock nuts provided.
15. Connect P312 from Terminal #1 on the power switch to the J312 connector on the PC board.
Connect the plug coming from the bridge rectifier on the rearmost heat sink to the connector coming from Terminal #2 on the power switch (see illustration below for connector identification).
16. Take the 1" long piece of shrink tubing, cut it in half and place one piece over the brown wire coming from the fuse holder and the brown jumper on the transformer. Place the other piece of shrink tubing over the blue wire coming from Terminal #4 on the power switch and the blue jumper on the transformer.
17. Solder the brown wire from the fuse holder and the brown jumper to Terminal #1 on the main transformer. Solder the blue wire from the power switch and the blue jumper to Terminal #2 on the main transformer.
18. Slide both pieces of shrink tubing over the terminals and use a heat gun to shrink the tubing into place.
19. Reconnect all ground connections (*i.e. Green/Yellow wire with ring terminals disconnected in Step #8*).
20. Reattach the plastic shield with the (4) four original screws from Step #3 above.
21. Reinstall the cover with the (4) four original screws from Step #2 above.
22. Connect the power cord. Turn on the unit, and test functionality.

POWER HARNESS ASSEMBLY

