SERVICE INSTRUCTION

INSTALLING A REPLACEMENT 79390-XX PC BOARD IN A 79344-XXX 9050 CLASSIC POWER SUPPLY

Required Tool List:
- Flathead screwdriver
- Adjustable wrench

1. Determine which software version is currently installed in the power supply.

   a. Cycle the power by turning it off then on.

   b. Once the power supply is back on, note the version number in the right hand LED display (the µA display). This number is displayed for only 2-3 seconds after cycling the power.

If the version number is 2.66 or greater, do not replace the PC board. Return the replacement PC board to your distributor.

If the version number is less than 2.66, continue to install the replacement PC board per the instructions on this service instruction.

2. TURN OFF THE POWER SUPPLY AND UNPLUG THE AC LINE CORD.

3. Use the special key provided with the power supply to open the lid by turning the key clockwise.
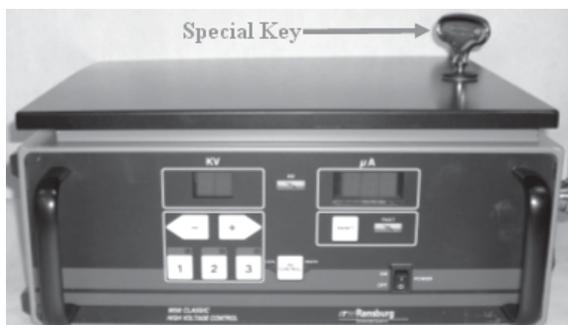

Figure 1: Power Supply and Special Key to Open Lid

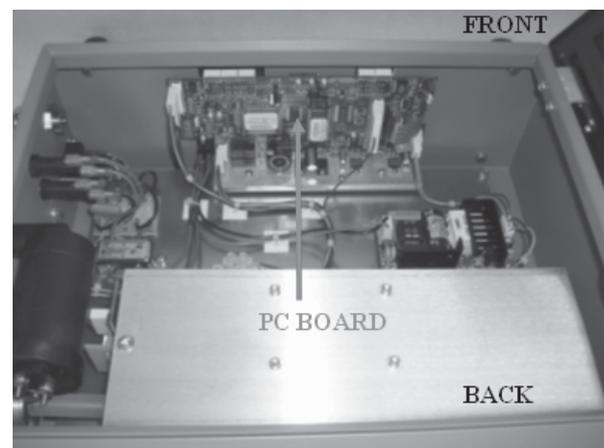4. Locate the PC board inside the power supply, positioned near the front face of the power supply.

Figure 2: Inside of the Power Supply Showing the Location of the PC Board

5. Locate the four (4) wire harness connectors and the one (1) ribbon cable connector attached to the PC board.

   a. The wire harness connectors have one (1) or more wires connected to one plastic, white connector.

   b. The ribbon cable is approximately 1" wide and is green plastic with light green stripes on it, and is connected to the PC board with a black plastic connector.
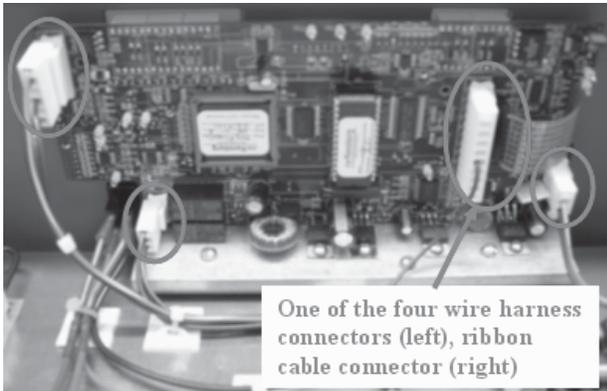
Figure 3: PC Board Noting Location of the Four (4) Wire Harness Connectors, and one (1) Ribbon Cable Connector

6. GENTLY pull on the ribbon cable connector to disconnect it from

7. GENTLY pull on each individual wire harness connector to remove it from the PC board.

⚠ **C A U T I O N**

➤ **DO NOT BREAK THE TABS OF THE WIRE HARNESS CONNECTORS.**

NOTE

➤ If the wire harness connectors can not easily be removed from the PC board, use a flathead screwdriver to **GENTLEY** push the wire harness connectors from the boards. Do this by placing the flathead screwdriver underneath the wire harness connector and pushing upwards with the screwdriver, while moving from the edge towards the center of the connector. Be careful not to damage the board with the screwdriver by applying too much downward force.

Figure 4: Depicting the Proper Way to Remove Wire Harness Connectors Using a Flathead Screwdriver

8. Use a flathead screwdriver to remove the three (3) screws and washers holding the PC board in place. These screws are located on the aluminum plate at the base of the PC board.

NOTE

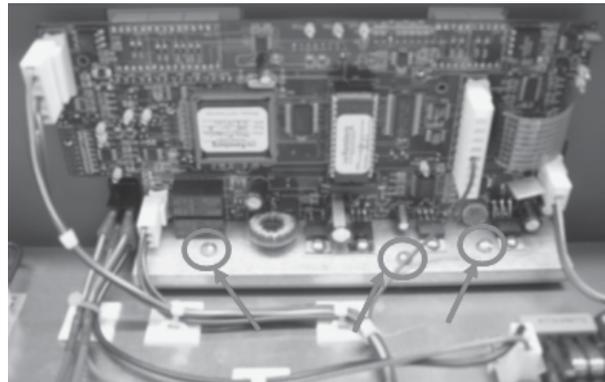➤ Do not misplace the three (3) screws and washers that held the PC board in place.

Figure 5: Depicts Location of Screws and Washers Holding the PC Board in Place

9. Remove the PC board from the power supply.

10. There may be two ½" square rubber cushions on the back of the front panel of the chassis assembly (behind the PC board).

   a. If there is, use a flathead screwdriver to pry them off.

   b. If there is not, continue on to step 11.

11. Place the new replacement PC board in the same location as the old one that was just removed.
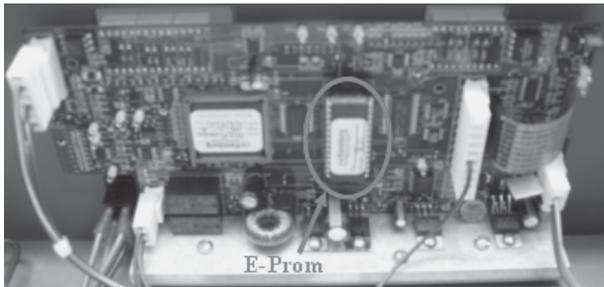
Figure 6: Depicts Location of the E-Prom Which Displays the Software Version Number

12. Use a flathead screwdriver to re-install the three (3) screws and washers into the aluminum plate at the base of the new PC board.

13. Attach the ribbon cable connector to the new PC board.

a. The location of the connector on the new PC board is in the same place as the location of the connector on the old PC board (see Figure 3).

b. The connector is a thin black piece of plastic with eight (8) gold metal prongs sticking up from it.

14. Attach each individual cable harness connector to the proper spot on the new PC board.

a. The locations of each connector for each of the cable harnesses on the new PC board are in the same place as the location of the connectors on the old PC board (see Figure 3).

b. The connectors are thin white plastic pieces with three (3) or more silver metal prongs sticking up from them.

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➤ **Be sure to line up each cable harness connector with the prongs of the connector on the PC board (it is possible to install the cable harness connectors misaligned).** Do not force the cable harness connectors onto the connectors of the PC board. If they do not easily push into place, use a flathead screwdriver to **GENTLEY** pull back on the tab on the PC board connector and then slide the cable harness connector into place.
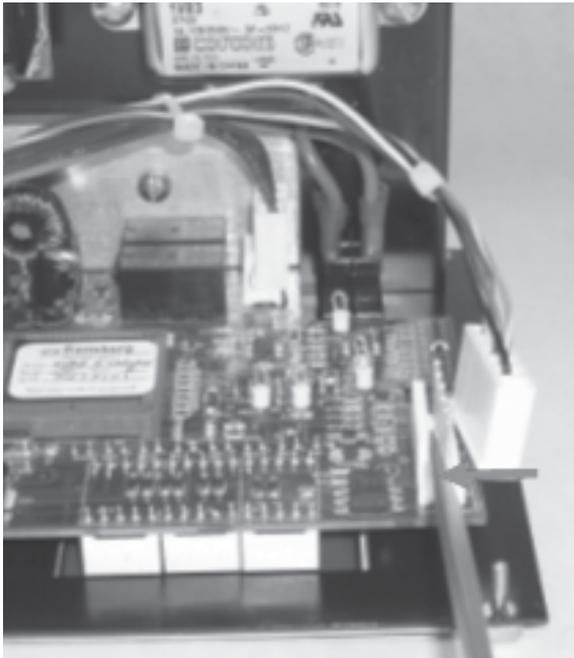
15. Close the lid of the power supply and lock in place with the special key (see Figure 1).

16. Plug in the AC line cord to the side of the power supply.

17. Turn the power supply back on. The power supply should display in the right hand LED (µA display), for the first 2-3 seconds after turning the power supply on, that software version 2.66 (or higher) is running.

Figure 7: Depicting the Proper Way to Install Wire Harness Connectors Using a Flathead Screwdriver

Technical Support Representative will direct you to the appropriate telephone number for ordering Spare Parts.

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