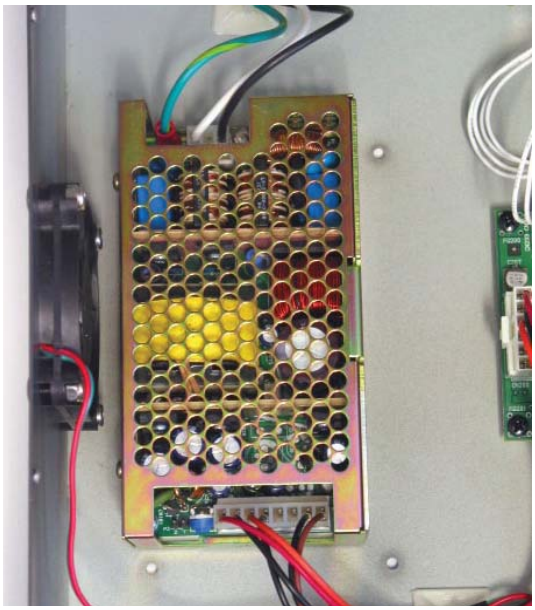
DC Power Supply +5V Adjustment Procedures

Integrated Power Devices (IPD) Power Supply +5VDC Voltage Adjustment Procedure

CAUTION: Dangerous voltages are present when the chassis is powered up and the top cover is off. Use care when performing the below procedure.

Note: This procedure is to be performed on ESP-88 / ESP-88C chassis using the IPD power supply only. The power supply is labeled with the name of the manufacturer on the side of the supply.

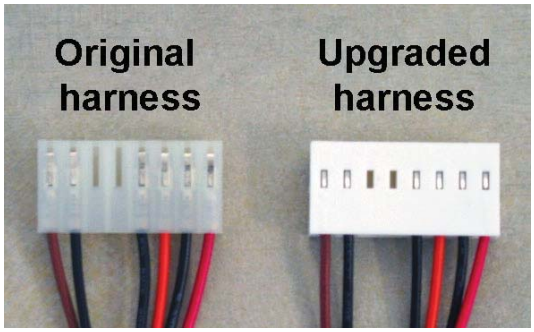
Note: The IPD power supply is set to +5Vdc at the factory. The ESP-88 and ESP-88C chassis requires +5.2Vdc to operate properly. Measure the DC voltage level using the following procedure. Adjust the 5 volt level if needed.



IPD Power Supply

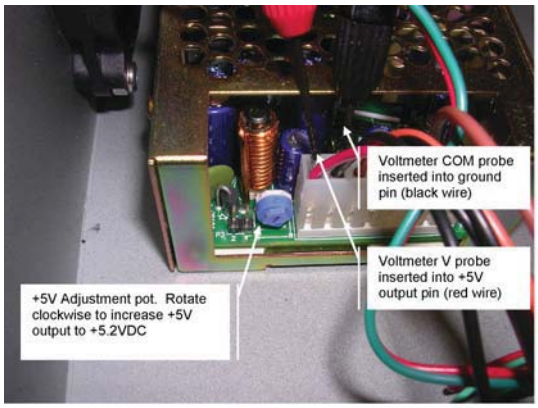
1. Remove the chassis top cover. Check to see if the chassis is using the original wiring harness. The original wiring harness uses a translucent body connector at the DC power supply end. The upgraded harnesses use a solid white connector. The examples shown at right are for units with the IPD supply.

If the wiring harness connector has a translucent plastic body, unplug it from the power supply and motherboard and discard it. Install the upgraded harness Bose® part number 318938-001S.



Note: The wiring harnesses for the IPD and Astec supplies are NOT interchangeable. They have different wiring connections. Be sure to use the correct harness for your chassis.

2. With the top cover removed and AC mains voltage applied, measure the +5Vdc level at the DC output connector on the power supply. Place the positive (+) probe on the red wire at the pin 1 location. Place the negative (-) probe on the black wire at the pin 2 location.



If the DC voltage level reads less than +5.2Vdc, adjust the +5 Volt potentiometer clockwise until the meter reads +5.2Vdc.

3. Turn off AC mains to the chassis.

4. Replace the top cover.