Installing the PrimaLuna Phono Board

Installing the ProLogue Phono Board is a snap. If you are comfortable with a soldering iron, it should only take about 20-30 minutes to finish.

CAUTION: You are working with high voltages and sensitive electronics! Pleast use the upmost safety and care during installation.
If you do not feel comfortable doing the installation yourself, please call your dealer before proceeding.

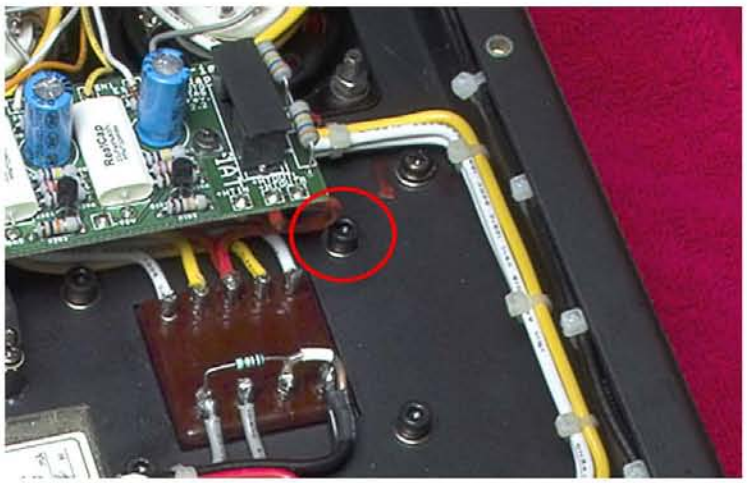
What you need:

- Soldering Iron
- Phillips screwdriver
- Small needle-nose pliers
- Black marker
- 60/40 rosin core solder
- 6mm allen wrench
- Wire cutters

Step 1. Turn your PrimaLuna off and disconnect it from your system. It is vital that you wait at least 5-10 minutes before proceeding to step two. This is a safety precaution that makes sure all the power supply capacitors are drained of any electrical charge. If they are not, you may give yourself a little shock which may cause damage to your gear. Remove all of the tubes, and put the cage on the amp. This keeps the amp from tilting forward.

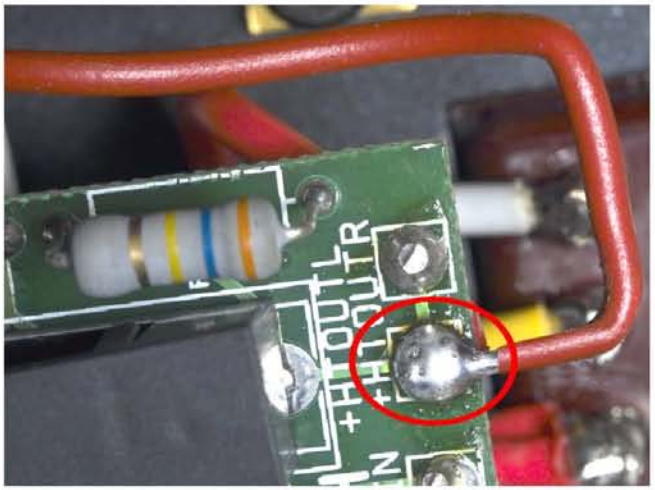
Step 2. Flip the amplifier over and unscrew the bottom cover. To prevent scratches, set the amp on a soft towel or blanket.

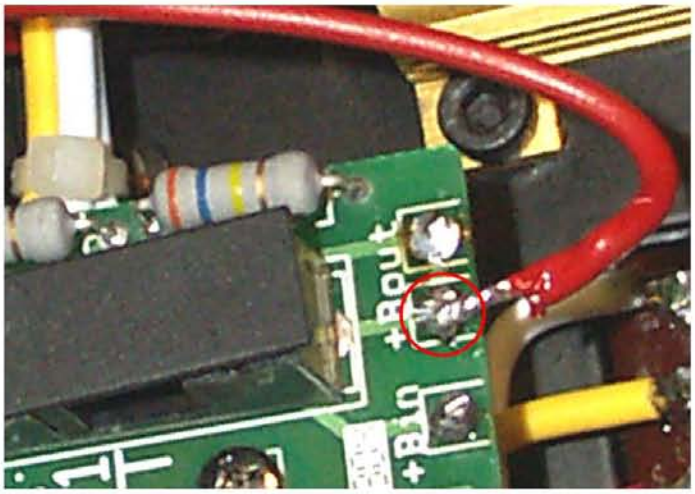
Step 3. Installing the 10k ohm resistor
Locate the small screw circled in the picture on the right. With the rear of the amp facing you, it is just to the right of the AutoBias board. Using an allen wrench, remove the screw and set it aside.
You will not be re-using the two washers.
Fit the screw you removed through the larger hole on the 10k ohm resistor provided (the large gold piece with two red wires on either end). Orient the resistor as shown in the picture below.



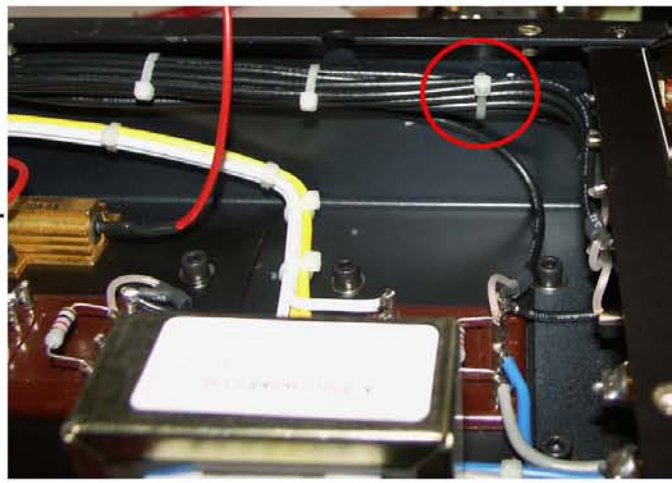
Put the screw back into its hole and tighten securely. Make sure the resistor is sitting flat against the chassis to ensure proper heat dissipation. When installed, the resistor will be positioned as shown in the picture on the left.

Step 4. While still looking at the PrimaLuna with the rear of the amp towards you, take the red wire on the top of the gold resistor and run it to the spot on the AutoBias board circled below. The boards are marked differently depending on which revision of the AutoBias board is installed in your amp, but the wire goes to the same spot on the board. Below are pictures showing both boards.

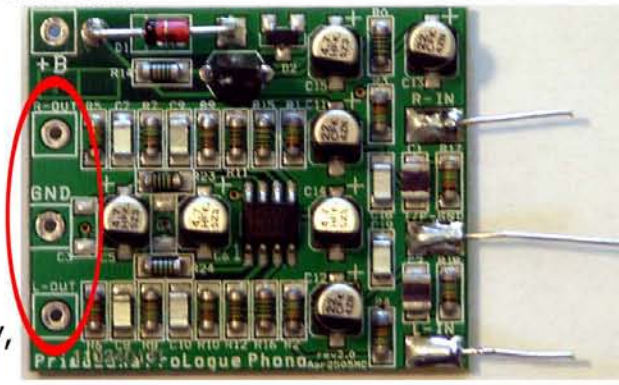




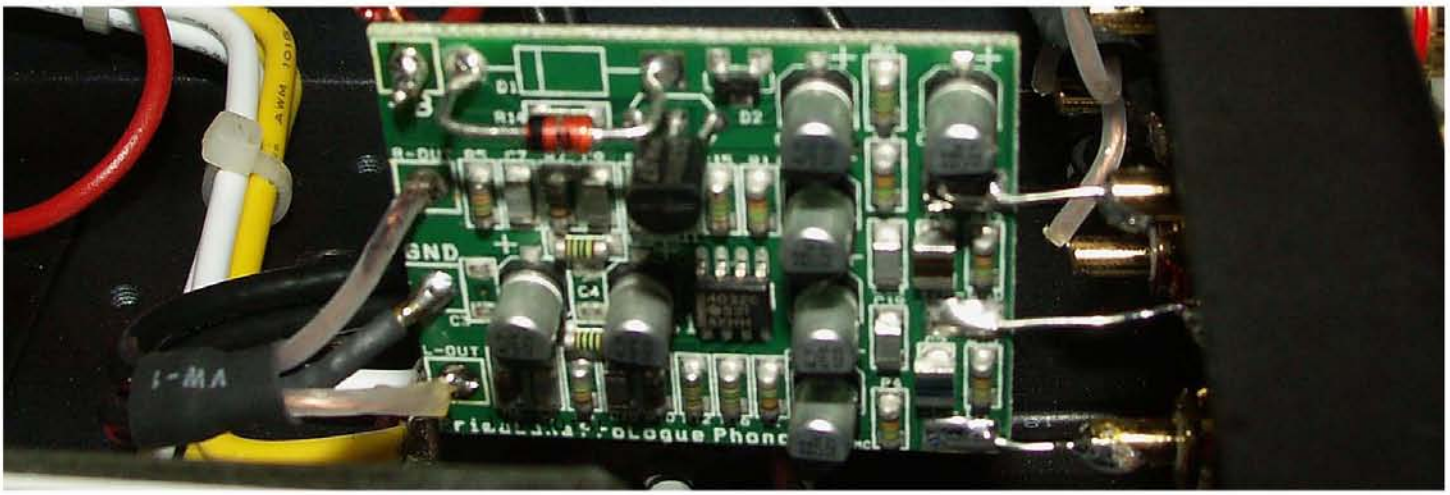
Step 5. Preparing to install the PhonoBoard:
Using the black marker, mark the clear insulating sleeve on the wire that is running to the top RCA jack marked AUX 2. Desolder the three wires running to the AUX 2 RCA jacks. AUX 2 is the pair of RCA jacks closest to the speaker terminals, and from inside the amp, they are closest to the small transformer with the "Audio Choke Coil" sticker on it. Use the wire cutters to remove the cable tie circled in the picture to the right. Move the wires out of the way.



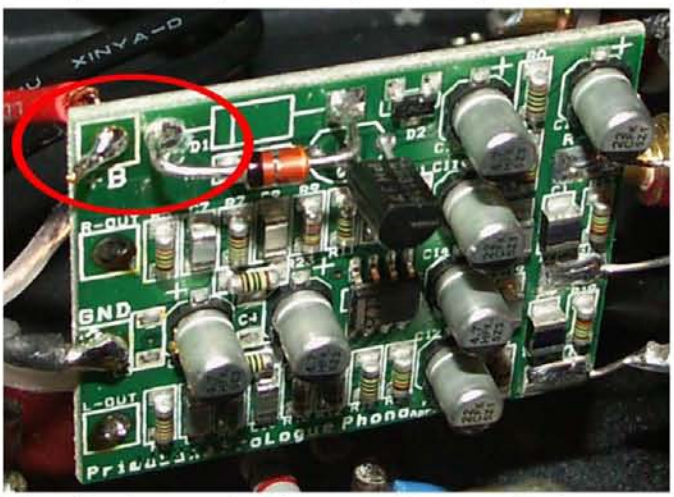
Step 6. Installing the PhonoBoard:
Your Phonoboard comes with three wires soldered on one end. Refer to the picture on the left.
Take the three wires you de-soldered from the RCA jacks and solder them to the spots on the left-side of the PhonoBoard, shown circled on the picture to the right. Solder the wire you marked with the black marker to the hole labelled "R-OUT." Next, solder the wire in the black sleeve to the middle hole marked "GND." Last, solder the final wire into the hole marked "L-OUT." The wire in the black sleeve is tricky, as it is too big to fit in the hole on the PhonoBoard, so be careful not to use too much solder. Just make sure it is enough to hold the wire securely to the board and does not form a solder bridge to other points nearby.

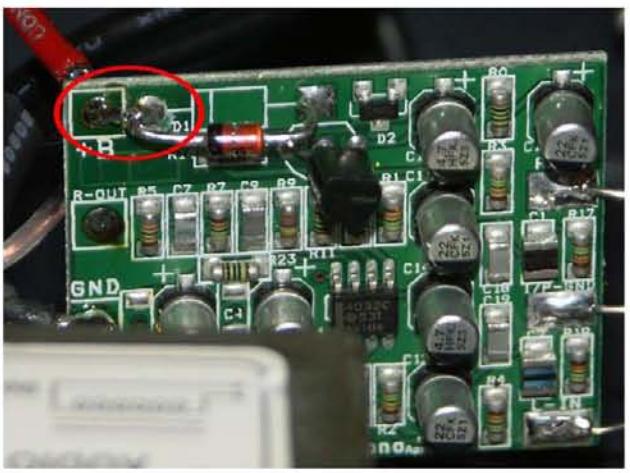


Step 6 Continued:
This next part is a little tricky since it is such a tight spot, so small needle-nose pliers will be handy for this part. Starting at the bottom and working your way up is the easiest. Begin by soldering the wire that leads to the spot on the PhonoBoard marked "L-IN" to the bottom RCA jack. Next solder the middle wire marked "GND" to the ground bridge. Then solder the wire marked "R-IN" to the top RCA jack. When you are finished, it will look like the picture shown below. You may have to bend the wires slightly.
Just be sure the wires do not touch eachoter, and take care not to break them.
These wires will hold the PhonoBoard in place.



Step 7. Routing power to the PhonoBoard:
The final step is running the second red wire from the gold resistor to the PhonoBoard. Run the wire to the hole on the top of the PhonoBoard marked "**+B**" and solder it into place. Try to keep it away from the black signal wires.





The final step is shown above. Make a small solder bridge between the two points circled on the circuit board above. This completes the circuit for the power supply.

Now to tidy up, take a small zip tie and tie the two wires running into the PhonoBoard back with all the other wires running along the side of the PrimaLuna.

When hooking your turntable's cable to the PrimaLuna, attach your turntable's ground wire to the negative (black) speaker terminal for grounding. The PhonoBoard is designed for use with moving magnet (MM), as well as high output moving coil (MC) cartridges with an output of 2.0mV or higher.