

# Aerius / Aerius I

## Stat Panel Replacement (Page 1 of 2)

### Replacement Accessories (included):

Stat Panel

### Tools required (not included):

Soft Mallet /Hammer & Wooden Block  
1/8" Small Slot Screw Driver  
Small Cushion



- 1 Turn off amp. Unplug the power cord(s). Disconnect all signal cables from the speaker. Prepare a surface with padding and blankets to protect the speaker as you work on it.
  - 2 Inspect the work surface to assure that it is clean and free of debris. Carefully lay the speaker on its side.
  - 3 Bump the bottom of the vertical trim pieces with either the soft mallet or hammer and wooden block. Use the cushion cushion block in order to prevent damage to the bottom of the front trim by the impact of the hammer.
- NOTE:** As of late 1996, these units were built with the trim attachments reversed. This can be detached by first removing the **metal locking tab** located on the bottom cabinet, and then bumping the trim from the top-down, as opposed to bottom-up (See Figure 1)
4. Remove the lower grill by pulling up from the bottom. Loosen the 3 screws of the terminal block that are located just above the woofer and under the bottom edge of the stator panel.

**NOTE:** Some units manufactured around 1996 were built with 4 terminals. There was a redundant terminal for the blue wires. All replacement stator panles are now built with only 3 wires.



Aerius I

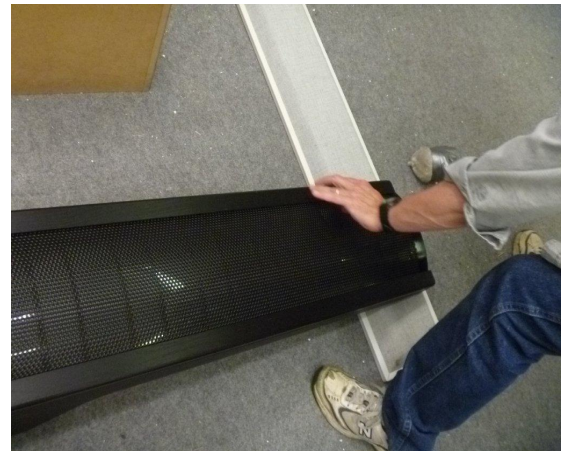


Figure 1

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5. Lay the new panel on the front of the speaker. Place the exposed ends of the new panel wires into the terminal and tighten the screws to secure wires. Be sure to match the color sequence. (see figure 4)

**NOTE:** If the replacement stator panels are to be used in an earlier model with 4 terminal screws, match the color of wire on the opposite sides of the terminal. Install the single blue wire in either of the 2 blue wire terminals.

6. Position the stator panel into place while being careful to align the top of the panel with the top of the cabinet. Also be sure to center the panel between the fasteners of the cabinet.

**NOTE:** The replacement panel does not include the velcro patches located in each corner. The velcro is not necessary to hold the replacement panel in position after the trim has been re-installed.

7. Remove any traces of the old tape from the top edge of the lower grill. Remove the green plaid protective tape from the bottom edge of the stator panel. Carefully position the lower grill along the lower edge of the panel so that it is centered and aligns with the bottom of the stator panel. Gently press the lower grill into the exposed tape adhesive at the bottom edge of the stator panel.



Figure 2



Figure 3

8. Position the vertical trim pieces on the front of the speaker. Be careful to align the 3 hidden fasteners of each trim piece. While gently pressing down on the front of the trim bump the trim with a mallet in order to catch the fasteners. Drive them in the opposite direction required for removal. If any fasteners miss, try again.

9. Up-right the speaker. Reconnect the signal cables and AC power cord(s). Finished.

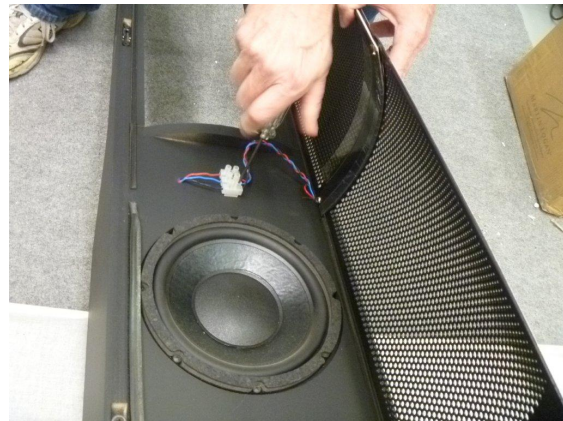


Figure 4

**NOTE:** The first few units produced did **NOT** have the terminal for the stator panel wires. These stator wires were terminated inside the woofer box. For these units, we recommend installing a new external terminal or some other form of insulated splice.

**PROCEDURE:** Cut the old stator wire about 2" from the stator and install a new terminal block. Our terminal has a piece of double faced adhesive attached so that the terminal can be mounted on the cabinet about 2" above the top of the woofer, or wood screws may be used. Strip back some insulation from the braided wires extending from the cabinet. Insert one bare wire end into each terminal and secure the screw. Install the new stator panel wires into the terminal matching colors of each wire.

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# Aerius/Aerius I

## Backplate Swap (Page 1 of 1)

### Tools Required (not included)

PhillipsHead Screw Driver

1/8" or less Small Slot Scre Driver

#### PROCEDURE:

1. Turn off amplifier. Disconnect all signal cables from the speaker.  
Unplug the AC power cord. To discharge HV power supply, leave speaker unplugged for 4-5 hours.
2. Remove the 10 Phillips screws securing the speaker's backplate.  
Gently tug at the binding post to remove the backplate from the rear of the woofer cabinet.
3. Note the location and colors of the few various wires which are still attached to the speaker for a later reference. Make a sketch if necessary for later reference.

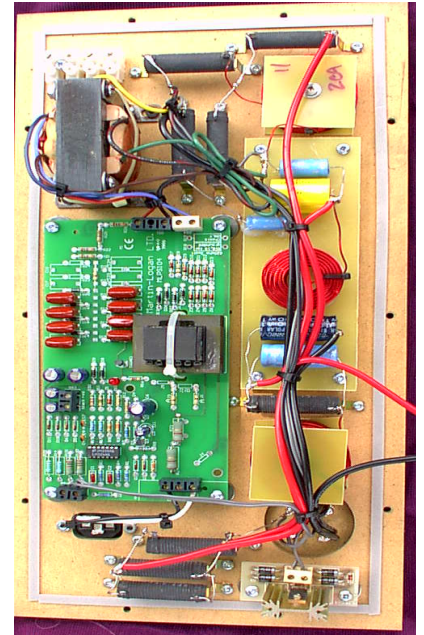
Using the slot screwdriver, loosen the screws securing the braided 3 or 4 wires (red, blue, black). The wires should easily release. Locate the ends of the red and black woofer wires on the woofer itself. They are a push on type connector. Note the marking directly on the woofer indicating the positive (+) terminal for later reference. Pull the push on connectors free.

If your speaker has an indicator light on the front, there will also be two very small wires that go to a screw terminal on the circuit board. Loosen the 2 screws to release.

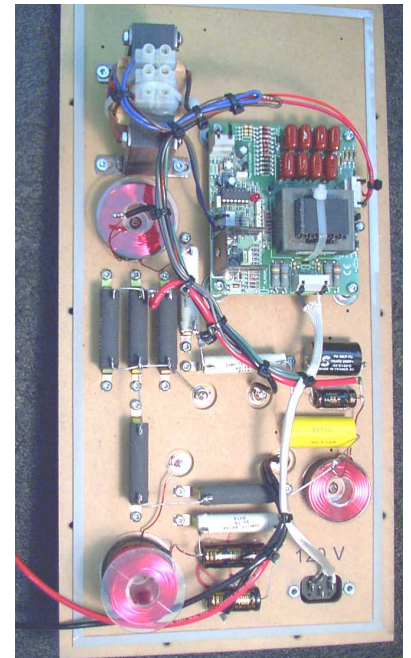
The backplate is now able to be removed

If the backplate is 'stuck' when trying to remove, there is a trick that can be done with a carpenter's claw hammer. This has proven to be quite harmless.

Loosen one of the binding post nuts close to the outer edge. Hook the claw part of the hammer under the binding post nut and 'pry' off from the outer edge of the speaker cabinet. Be sure to use a thin strip of wood or cardboard to protect the cabinet. After a gentle pry, you should hear a slight creak prior to the backplate being removed.



Aerius backplate



Aerius I backplate

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## Power Supply installation (Page 1 of 2)

### Replacement Accessories

Power Supply Circuit Board

### Tools Required (not included)

Phillipshead Screwdriver

1/8" Small Slot Receiver

Short Insulated Wire Jumper

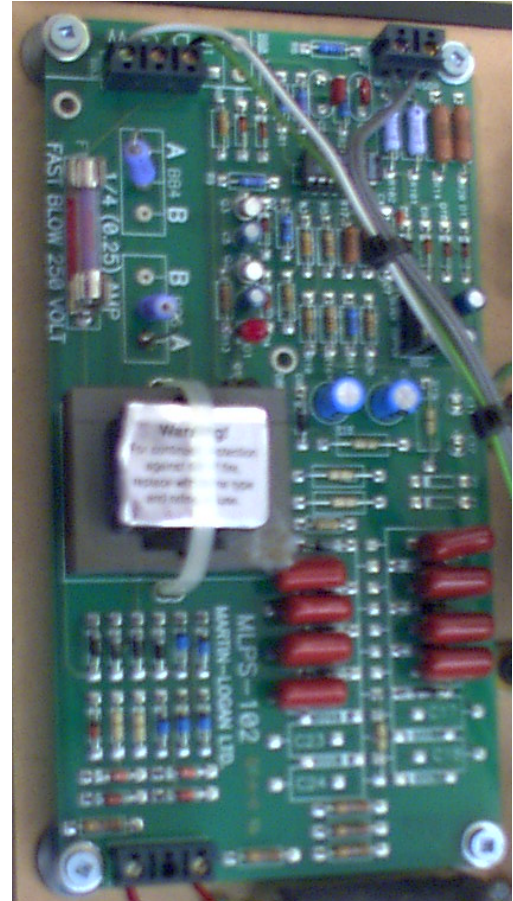
1. Turn off amplifier. Disconnect all signal cables from the speaker. Unplug the AC power cord. To discharge HV power supply, leave speaker unplugged for 4-5 hours.
2. Remove the 10 phillips screws securing the speaker's backplate. Gently tug at the binding post to remove the backplate from the woofer's cabinet.

**Note:** If the backplate does not remove easily, the woofer may need to be removed. This will allow you to push the backplate from the inside of the cabinet.

3. Discharge the HV power supply board by touching an insulated wire between the 2 set screws securing the 2 red wires.

**Note:** To avoid confusion for which red wire feeds into which terminal, wrapping a small piece of tape around the thicker of the 2 is recommended for later reinstallation.

4. Next, Loosen the 2 screws securing the red wires. Loosen the 3 screws securing the black, green & white wires. Remove the 4 phillips screws securing the 4 corners of the HV power supply board.
5. Install the new circuit board in the same position as the former board. Connect the black, green & white wires. Connect the 2 red wires in the correct place with the thicker red wire nearest the corner of the circuit board.



Aerius Power Supply

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## Power Supply Replacement (Page 2 of 2)

6. Dress the wires with tie wraps to route away from any circuitry; Thus preventing any damage from hot components (i.e. resistors). Reinstall the backplate into the cabinet. Re-connect the speaker.



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