

Audio Regeneration

Selenium Rectifier Replacement Board

For

Dynaco PAS 2, 3, 3X Preamplifiers



Installation Guide

Thank you for choosing our selenium rectifier replacement board for your Dynaco PAS preamplifier. Like all Audio Regenesi restoration products, it is designed to integrate easily into your amplifier without chassis modifications of any kind.

This board is designed to replace the original selenium rectifier and filter capacitor assembly that provides DC rectification and filtering for the 12AX7 tube filaments. Please follow this guide carefully to ensure a successful and safe installation.

Note: while installation is quite easy and straight forward, it does require that you possess reasonable soldering skills and equipment.



HIGH VOLTAGE WARNING

Vacuum tube amplifiers contain lethal voltages. Extreme care must be exercised at all times when working with the top or bottom covers removed. If you are not certain of your ability to safely perform the following installation procedure it is advised that you seek the services of a qualified technician.

Before beginning the installation process switch off the amplifier and disconnect the power cord from the AC source. Wait at least 30 minutes before removing the top and bottom covers. This will allow time for the voltage on the power supply capacitors to bleed off.

Installation Procedure

Disconnect and remove the selenium rectifier assembly:

Refer to Fig. 1 and Fig. 2 for the following steps:

- ① Remove the top and bottom covers and locate SELENIUM RECTIFIER. Note that the selenium rectifier has four terminals to which various wires are connected.
- ② Carefully unsolder the wires from each of the terminals. Label each wire with the terminal number from which it was removed as you proceed.
- ③ After all the wires have been unsoldered and labeled, remove the selenium rectifier and capacitor assembly.

Install the selenium rectifier replacement board:

Refer to Fig. 3 for the following step:

- ④ Install the replacement board in the orientation shown in Fig. 3. Use the supplied mounting screw and lock washer to secure the board using the same chassis hole that was used to mount the selenium rectifier.

Wiring the selenium rectifier replacement board:

Refer to Fig. 4 for the following step:

- ⑤ Solder the wires, previously removed and labeled, to the corresponding eyelet numbers on the selenium rectifier replacement board. Note: if the transformer wires have been cut very short by the original builder, then it may be necessary to splice on additional length. Remove the wire labels after the wiring is complete.

The installation is now complete. Replace the top and bottom covers on your PAS preamp. and it should be ready to operate.

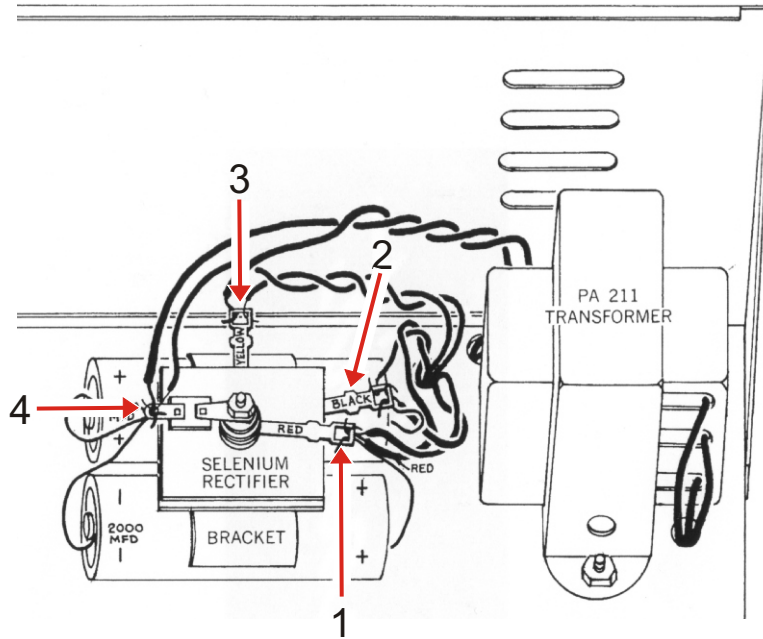


Fig. 1

Unsolder the wires connected to terminals 1-4 on the SELENIUM RECTIFIER. Label each wire with the respective terminal number as it is removed.

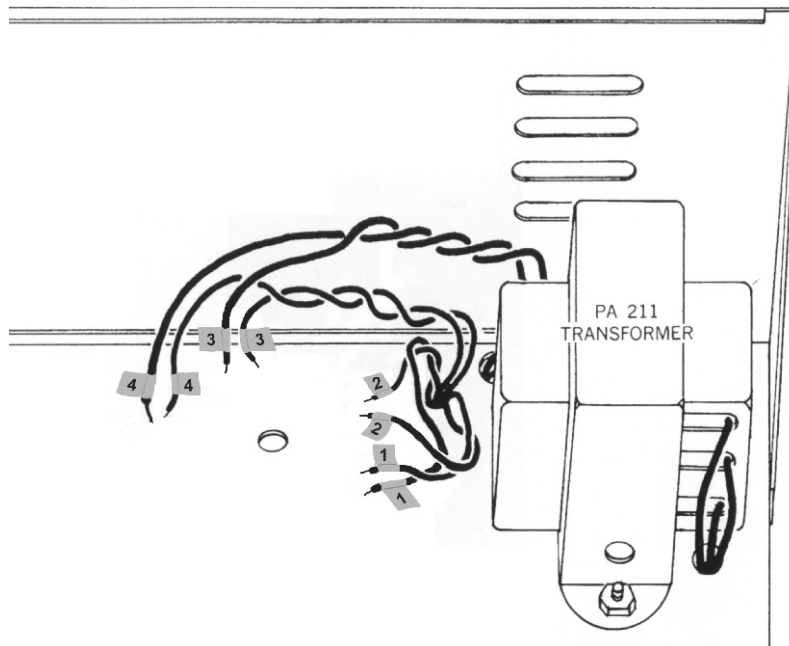


Fig. 2

After all the wires have been unsoldered and labeled, remove the selenium rectifier and capacitor assembly.

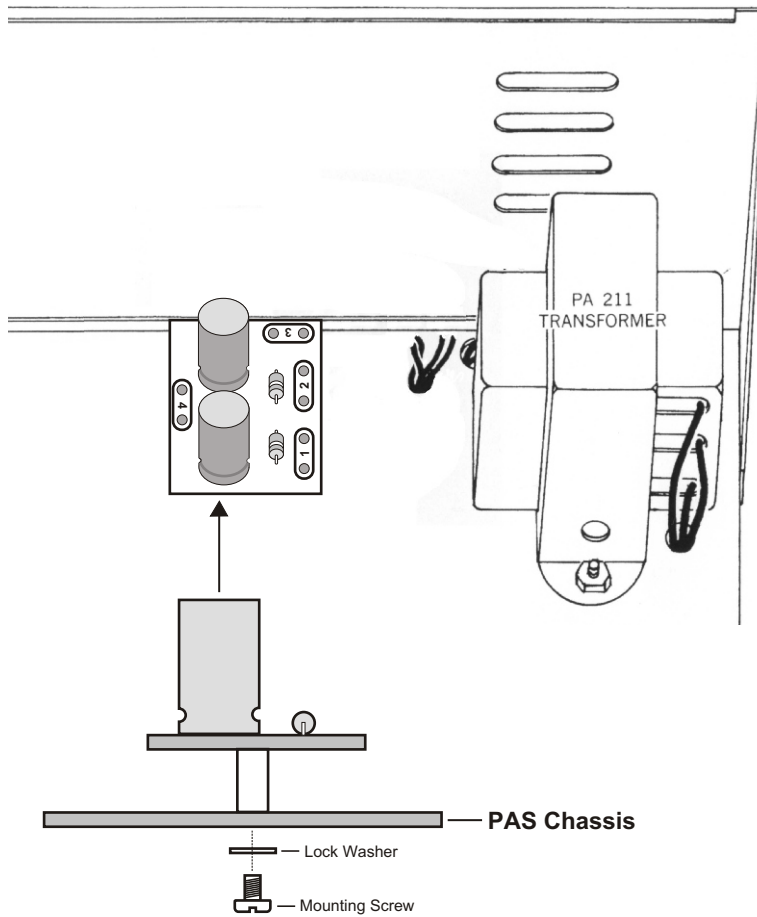


Fig. 3

Install the replacement board in the orientation shown above. Use the supplied mounting screw and lock washer to secure the board using the same chassis hole that was used to mount the selenium rectifier.

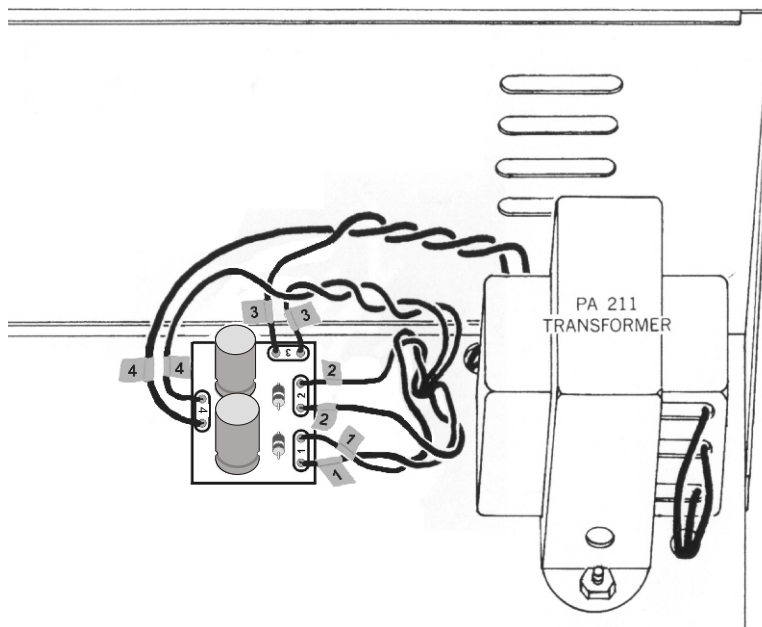


Fig. 4

Solder the wires, previously removed and labeled, to the corresponding eyelet numbers on the selenium rectifier replacement board. Remove the wire labels after the wiring is complete and double checked.