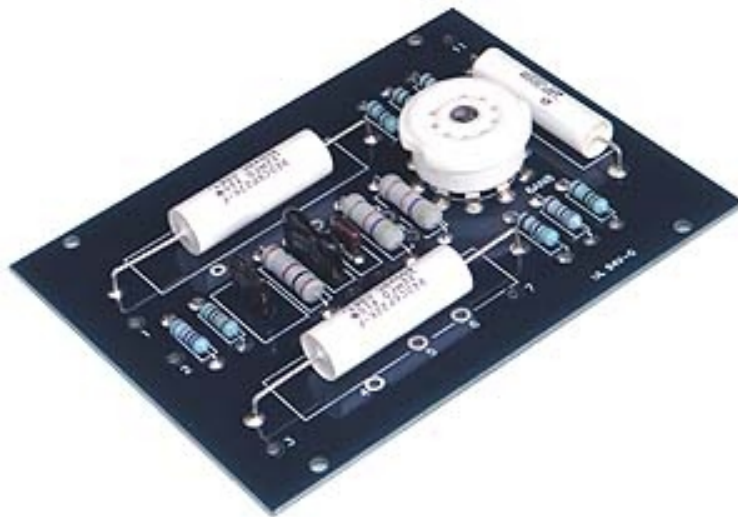


# *Audio Regeneration*

## **PC-1 Restoration Board**



**for Dynaco MK - III**

Thank you for choosing an Audio Regenesi s restoration board for your Dynaco tube amplifier.

This restoration board replaces the PC-1 circuit board in Dynaco MARK III amplifiers.

Audio Regenesi s restoration boards are based upon the original Dynaco circuitry but employ modern high quality components, like fiberglass FR-4 circuit boards, metalized poly and silver mica capacitors, and low noise metal film resistors. The circuit board mounting holes and solder connection eyelets are located for complete compatibility with the original Dynaco circuit boards to ensure a quick and easy installation.

Installation is quite easy, however, it is assumed you possess basic soldering skills and equipment. It is assumed will have a copy of the original Dynaco assembly manual to refer to when installing the Audio Regenesi s PC-1 board. If you require an assembly manual a free copy may be downloaded at: [www.audioregenesis.com/manuals](http://www.audioregenesis.com/manuals)



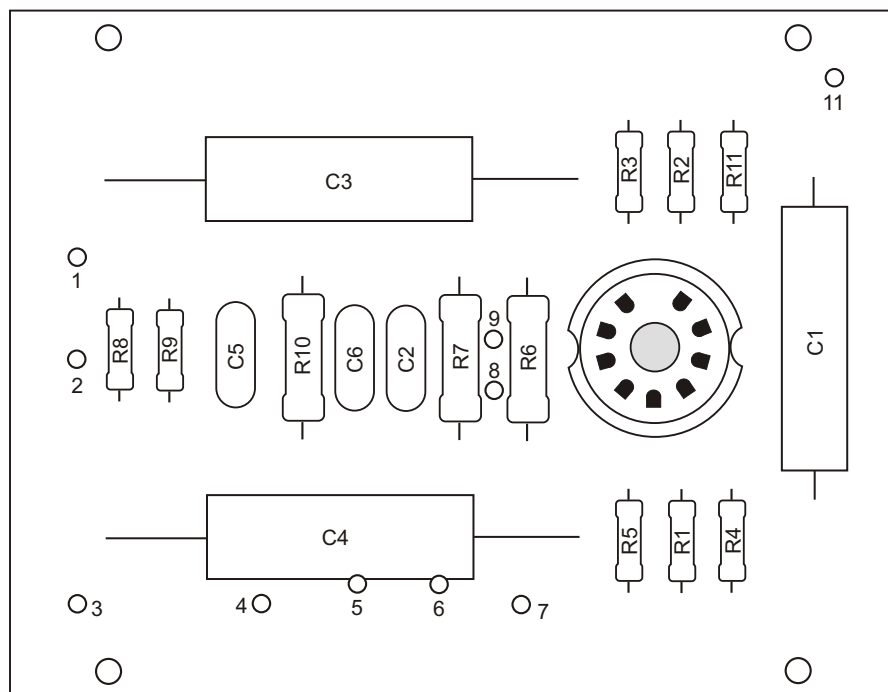
## HIGH VOLTAGE WARNING

Vacuum tube amplifiers contain lethal voltages. Before beginning the installation of your new Audio Regenesi s board, make sure the power switch has been set to the OFF position and the power cord is disconnected from the 115V AC outlet. Wait 30 minutes before removing the top and bottom covers to allow the voltage on the power supply capacitors to bleed off.

## PC-1 Installation

- Step 1:**  
After allowing time for the power supply capacitors to discharge remove the top and bottom covers, as well as the tubes on the original Dynaco PC-1 circuit board.
- Step 2:**  
Carefully unsolder and remove all the wires from the original Dynaco PC-1 circuit board. **Label each wire with the related eyelet number or connection point as you remove them.**
- Step 3:**  
When all the wires are unsoldered and labeled remove the four screws that secure the original PC-1 board and remove the board. Note the orientation of the circuit board so that you install the new board in the same way.
- Step 4:**  
Install the Audio Regenesi s PC-1 board using the screws that were removed in step 3.
- Step 5:**  
Solder the wires (previously removed and labeled) to the related eyelets on the Audio Regenesi s PC-1 board.
- Step 6:**  
Carefully check your wiring to be sure all wires are connected correctly.

Installation of the Audio Regenesi s PC-1 restoration board is now complete. The tubes may now be re-installed. **Be sure to adjust the bias potentiometer as described in the Owners Manual before operating.**



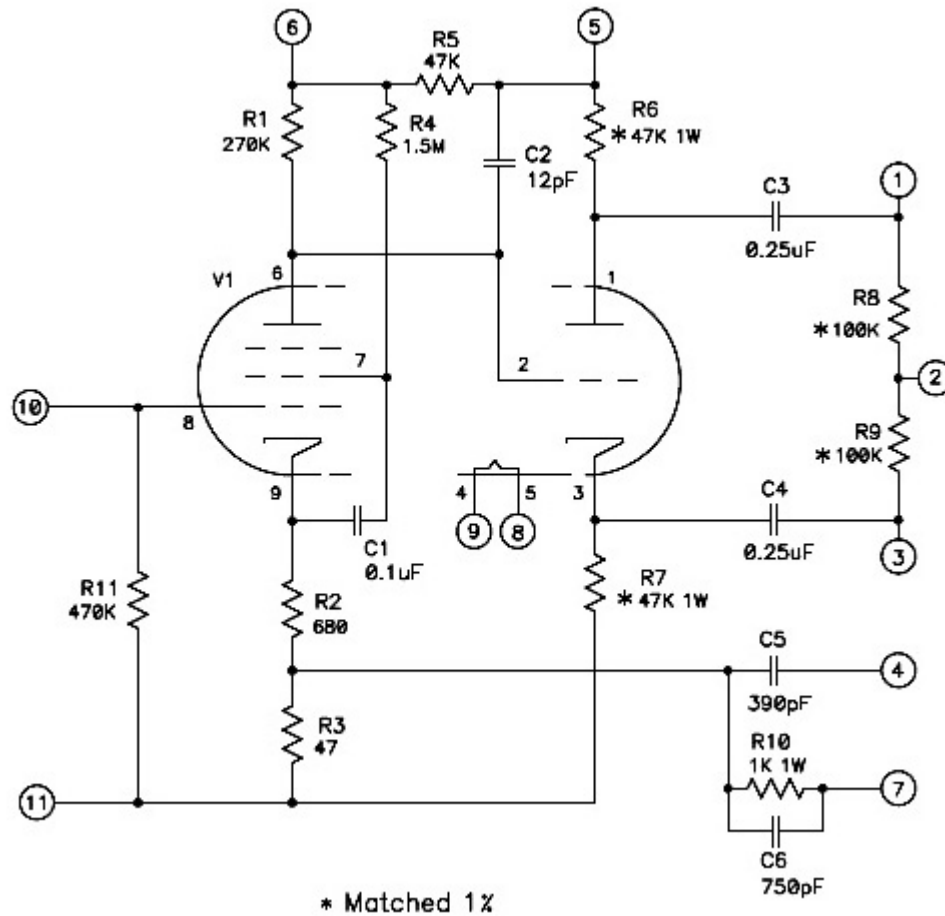
R1 270K 0.5W MF  
 R2 680 0.5W MF  
 R3 47 0.5W MF  
 R4 1.5M 0.5W MF  
 R5 47K 0.5W MF  
 R6 \*47K 2W MOF  
 R7 \*47K 2W MOF  
 R8 \*100K 0.5W MF  
 R9 \*100K 0.5W MF  
 R10 1K 2W MOF  
 R11 470K 0.5W MF

C1 0.1uF 600V  
 C2 12pF 500V Mica  
 C3 0.22uF 600V  
 C4 0.22uF 600V  
 C5 390pF 1000V Mica  
 C6 750pF 500V Mica

\* Matched 1%

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PC-1 Assembly



## *Pacific Audio Regeneration*

PC-1 Schematic