

# Dynaco PAS 2, 3 & 3X Tone Control Removal Instructions

This document describes the specific instructions and steps associated with the removal of the tone controls (BASS & TREBLE) in the Dynaco PAS series of vacuum tube preamplifiers (PAS 2, 3 & 3X).

This procedure requires basic soldering skills and tools outlined in the following documents (available from our web page [www.curcioaudio.com](http://www.curcioaudio.com)) :

- a. Soldering Tutorial (CAE Tech Note # 2)
- b. Recommended Tools & Test Instruments (CAE Tech Note # 3)

Please take the time to familiarize yourself with all of these documents in particular Tech Note # 2.

Refer to figure 1 and proceed with the following steps.

1. Disconnect your PAS preamplifier from the AC mains and allow the internal voltages possibly stored in the electrolytic capacitor to discharge over a 20 minute period.
2. Remove the four screws holding the top cover and remove the top cover.
3. Next remove the bottom plate exposing the foil side of both printed circuit cards (PC-5 & PC-6).

We will begin with the Left Channel.

4. Refer to figure 1 and connect a jumper from terminal 4 to terminal 6 on the foil side of PC-5.
5. Connect another wire jumper from terminal 6 to terminal 7 of PC-5.
6. De-solder the wire connected to terminal 3. You will find that it is connected to the center lug of the Left Treble Control and once desoldered from PC-5 terminal 3, you may cut it at the connection to the Left Treble control.

Next we will make the same changes to the Right Channel.

7. Refer to figure 1 and connect a jumper from terminal 11 to terminal 13 on the foil side of PC-5.
8. Connect another wire jumper from terminal 12 to terminal 13 of PC-5.
9. De-solder the wire connected to terminal 10. You will find that it is connected to the center lug of the Right Treble Control and once desoldered from PC-5 terminal 10, you may cut it at the connection to the Right Treble control.

10. The tone controls are now removed from the circuit.
11. Replace the bottom plate and top cover and secure with the four screws.

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PAS Preampifier PC-5 Rev 0

**Figure 1 – PAS Bottom View**

