

Dynaco PAS Capacitor Board



PAS Power Supply Capacitor Board

This board replaces the large can capacitor in the power supply section of the Dynaco PAS Pre-Amplifier, as well as the selenium filament rectifier and the two large filament filter caps. Exact replacements for the original can capacitors are difficult to find. The values needed can be built up with various replacement caps, but the installation of all the needed capacitors tends to make the amplifier very messy. This circuit board uses readily available circuit board mounted capacitors. There is a large range of values and voltages available in this form factor. The board easily holds similar capacitor values to the original can caps with room to spare. The capacitor values can be increased substantially and still fit on the board and in the amplifier. As an added bonus, the cost of all the caps needed is almost the same as a single modern twist lock capacitor. The capacitor board is shown above, with substantially increased capacitor values. For the second, third and fourth section, the values have been increased from $20\mu F$ per section to $47\mu F$ per section. The first section which is hooked directly to the regulator should not be increased past $47\mu F$ if the tube rectifier is used. If solid state rectification is to be used, this limitation does not apply (Diodes are provided on the board for solid state rectification).

This board bolts to the 8-32 mounting bolt that the original filament power supply was attached to. The original quad cap can be left in place for an original external look. The board is mounted via a central hole. Four additional holes are provided for additional supports, but this requires chassis drilling and is not suggested.