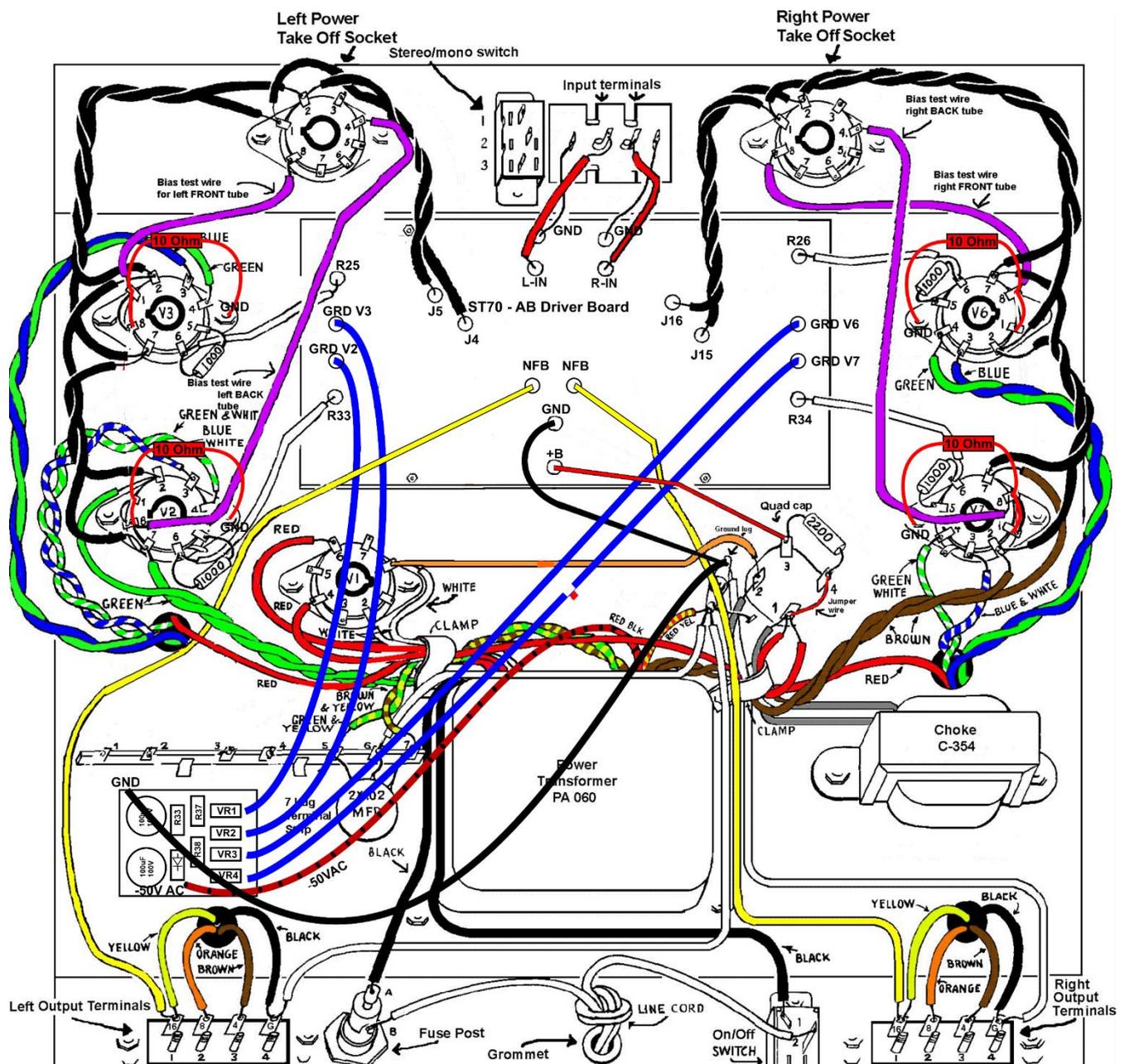


## Installation manual of the driver board ST70 – AB Driver Board

- The ST70 AB Driver Board does not contain a BIAS power supply. These are D1, C17, C18, R37, R38 and VR1, VR2, VR3 and VR4 potentiometry.
- The VR1 to VR4 potentiometers used in the original ST-70 version can be used. The inputs for the bias control are marked GRD V2, GRD V3, GRD V6 and GRD V7.
- Furthermore, the ST70 AB Driver Board does not include a C24X multi-capacitor consisting of capacities of 20uF, 30uF, 40uF and 80uF, resistor R44 22k 2W and Choke 10uH. These components, if they are in order, can be used originally.
- The 1 kOhm resistors R25, R26, R33 and R34 are also not on the driver's board. These resistors are on the plinths of the tubes between outlets 5 and 6.

To connect the driver plate:

1. We connect the outlets 1 and 8 tubes V2, V3, V6 and V7 and connect these pins to the ground GND according to the drawing with four resistors 10 Ohm 2W. The grounding point is the screw of the plinth tube.
2. After mechanical installation of the driver plate, we connect the glow wires tubes, J4, J5, J15 and J16
3. We connect the GND ground wire
4. We connect the wires of inputs IN, GRD V2, GRD V3, GRD V6 and GRD V7
5. We connect the wires to resistors R25, R26, R33 and R34
6. We connect the power supply wire of the board +B from the anode voltage source from the capacitor C24X
7. Finally, we connect the feedback wires from the output transformers (granite wires in the drawing)



To revive and set up:

1. Set the BIAS control potentiometers to the maximum negative voltage.
2. We connect the voltmeter always in parallel to the resistor 10 Ohm (marked in red resistors in the drawing) tube V2, V3, V6 and V7 and measure the voltage.
3. From the anode of the amplifier and set the anode currents of the power tubes V2, V3, V6 and V7 by reducing the BIAS voltage with individual potentiometers:  
The anode current V2 is controlled by the Potentiometer VR1, the V3 potentiometer VR2, the V6 potentiometer VR3 and the power V7 potentiometer VR4.
4. We set the voltage value of 0.42V for each tube each time.

