| Step | Prep | Done |
|---|---|---|
| 1 | Scratch Protection - put masking tape on top of transformers and front top corners | |
| 2 | Remove bottom | |
| 3 | Verify power supply transformer secondary voltage. Variac = 120V. Measure Sec to CT Voltage measurement? If not 315, adjust variac to get 315V on Sec. Variac = ? | |

| Step | Power Supply | Done |
|---|---|---|
| 1 | Add PSU Jumper around 5W 39R after Rectifier Tube | |
| 2 | Add 47uF CLC Cap, secure in place | |
| 3 | Swap 20k for 8k2 Resistors | |

| Step | Amplifier Channel 1 | Amplifier Channel 2 | Check Values | Done Chan 1 | Done Chan 2 |
|---|---|---|---|---|---|
| 1 | Remove existing Resistors from Driver Tube Sockets, de-solder input wires from tube sockets | | | | |
| 2 | Reconnect short wire from Pin 5 to 3 | Reconnect short wire from Pin 2 to 6 | | | |
| 3 | Add 1k resistor to volume control / input yellow wire, add heatshrink. Leave "flying" for now | | | | |
| 4 | Connect 1M grid leak resistor to furthest ground. Connect to Pin 4 | Connect 1M grid leak resistor to furthest ground. Connect to Pin 1 | | | |
| 5 | Connect 47k from B1 bottom to pin 2. Connect to bottom side of PSU board | Connect 47k from B1 bottom side of board to pin 5. | | | |
| 6 | 680k B1 top to pin 1 | 680k B1 top to pin 4 | | | |
| 7 | 200k Pin 1 to gnd (2nd furthest gnd) | 200k Pin 4 to gnd (2nd furthest gnd) | | | |
| 8 | Diode check – neg to blue on DMM. Blue = Neg<br>200R to Gnd<br>Diode – to 200R<br>Diode + to Pin 6 | Diode check – neg to blue on DMM. Blue = Neg<br>200R to Gnd<br>Diode – to 200R<br>Diode + to Pin 3 | | | |
| 9 | Hook up input from pot to Pin 4, black wire to ground | Hook up input from pot to Pin 1, black wire to ground | | | |
| 10 | Add 0.22uF bypass cap across 200k pin 1 to 3rd gnd hole | Add 0.22uF bypass cap across 200k pin 4 to 3rd gnd hole | | | |
| 11 | Replace 330k with 270k on 300B (output) board | Replace 330k with 270k on 300B (output) board | | | |
| 12 | Replace 100uF 300B bypass cap on 300B board | Replace 100uF 300B bypass cap on 300B board | | | |
| 13 | Remove blue ice cube cap and swap in 0.33uF film coupling cap on 300B board | Swap in 0.33uF film coupling cap on 300B board | | | |
| 14 | Remove jumper and add 100R grid stopper on 300B board | 100R grid stopper on 300B board | | | |
| 15 | Wire Pin 2 to 300B plate | Wire Pin 5 to 300B plate | | | |
| 16 | Fab & Mount L-bracket heatsink for 5W resistors. Relocate Resistors. | Fab & Mount L-bracket heatsink for 5W resistors. Relocate Resistors. | | | |
| 17 | Add Ground Lift PCB (Resistor / Diodes) | | | | |

| Step | Testing | Done |
|---|---|---|
| 1 | Visual Inspection, check all screws | |
| 2 | Grounding check. IEC GND to chassis Resistance check | |
| 3 | Reinstall bottom plate | |
| 4 | Install tubes. 5AR4 Rectifier, 300B's, and 6H8C/6SN7 | |
| 5 | Power On Test | |
| 6 | Test Speakers | |
| 7 | Burn-in (48 hours) | |