

MARSHALL STAGE II GAIN MODIFICATION

REMOVE AMP CHASSIS FROM CABINET. TURN OVER SO SPEAKER JACKS ARE FACING YOU.

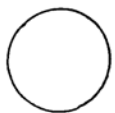
CAUTION.....

DISCHARGE THE FILTER CAPS BEFORE ATTEMPTING TO WORK ON YOUR AMP!!!!!!!
The filter caps are the large blue or green cans. You can discharge the filter caps by touching a piece of well insulated wire to the chassis to ground and the other end of the wire to positive sides of cap.

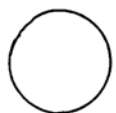
1. Disconnect the wire that runs between points A&B.
2. Drill a 3/4" hole between tubes 1&2, drill 2- 1/8" holes for the mounting brackets. Secure new tube socket to chassis.
3. Connect pins 4&5 together on the new tube. Run a well insulated wire to pins 4&5 on the first tube.
4. Do the same with pin 9.
5. Connect the 1.5 K resistor (BR-GR-RD) to pin 3 on the new tube. Connect the other end to ground.
6. Connect the 25 uF (25 volt)cap to pin 3. Make sure the positive+ side of the cap points toward the tube socket. Connect negative side to ground.
7. Connect the 1 meg resistor (BR-BL-GR) to pin 2. From the loose side of resistor, connect a shielded cable to point A.
8. Connect the 100 K resistor (BR-BL-BR) to pin 1 on the new tube. Connect the loose end to point C.
9. Connect the .0022 cap to pin 1 on the new tube. From the loose end of the .0022 cap, connect the 3.3 meg resistor (OR-OR-GR) in series, then put the 20 PF (10 PF) cap in parallel with the resistor (See schematic).
10. From the loose end of the 3.3 K & 20 PF cap, hook the 330K resistor (OR-OR-YL) to ground. Connect a shielded cable between pin 2 (point B) on the third tube and to the resistors* coming from pin 1 on the new tube.

NOTE: SHIELDED CABLE- When you use this cable you must hook only one end of the shield to ground. On the opposite side, cut the shield off and cover with shrink tubing or electrical tape.

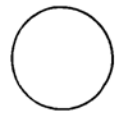
PRES



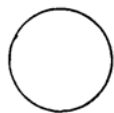
BASS



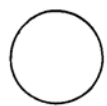
MID



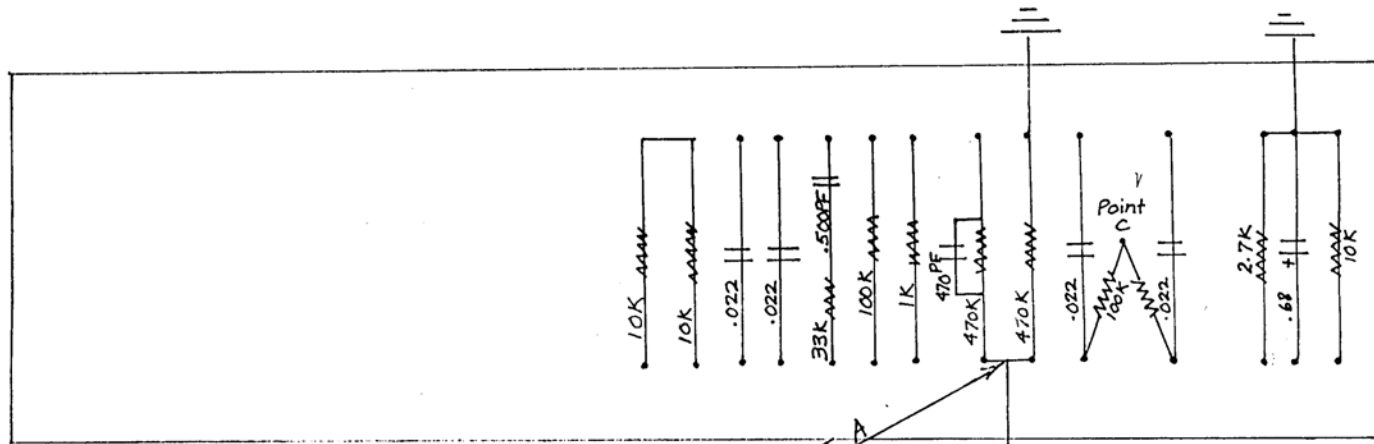
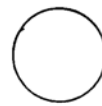
TREBLE



MASTER



PRE



MARSHALL STAGE II GAIN MOD

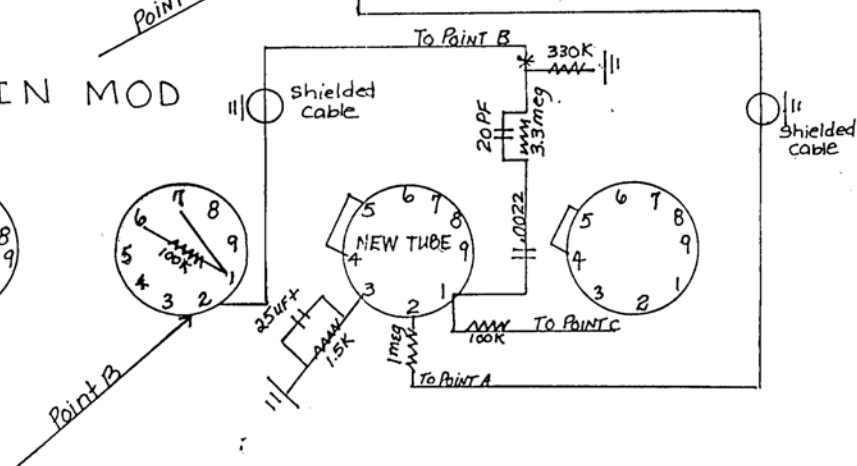
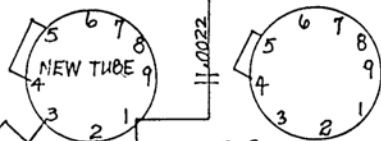
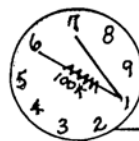
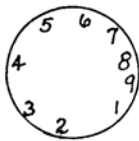
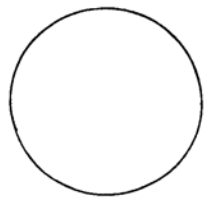
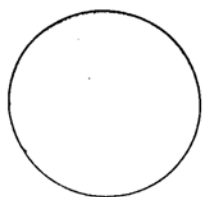


Figure 1: original MVP.GIF drawing from AMPAGE

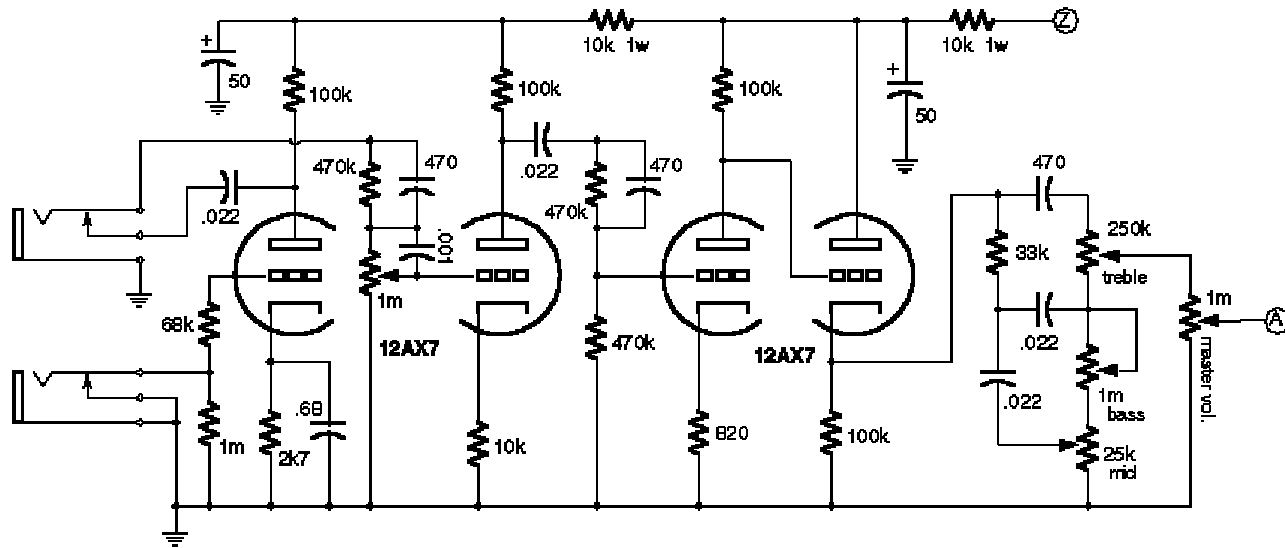


Figure 2: modified MVP.GIF drawing showing added gain stage

