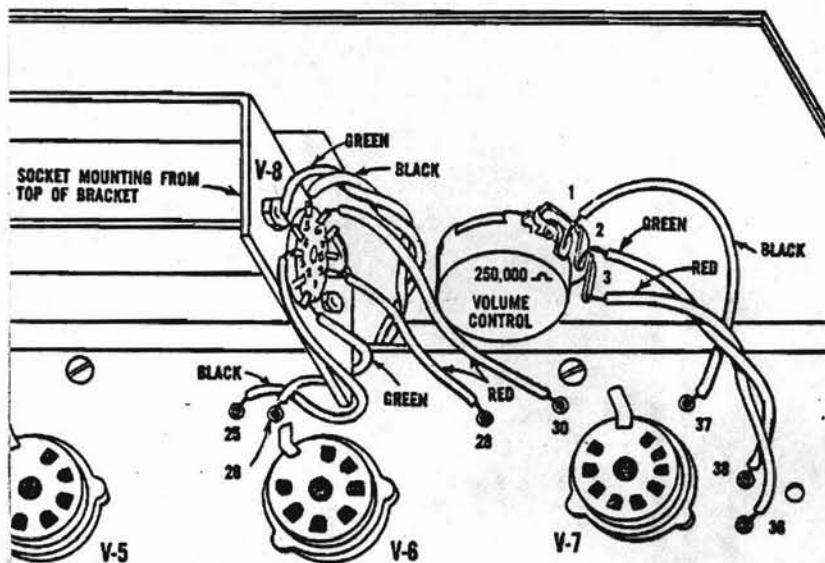


## PROCEDURE TO REPLACE EMM-801 TUBE WITH EM-84 TUBE

Since the EMM-801 tube is no longer available, we suggest replacing it with the EM-84 tube, which was used in the FM-1 (mono) tuner. Tuning accuracy and stereo performance is maintained with such a replacement, however, no stereo indication is available, of course. This replacement requires complete rewiring of the tube socket, as shown.

- 1) Unsolder all the existing wires from the V-8 socket lugs. Unsolder and remove the two wires which are connected to PC-12 eyelets #75 and #79 and discard.
- 2) Rotate socket V-8 180° (one-half turn) so socket lug #6 is adjacent to the front panel.
- 3) Connect the six remaining free wires to socket V-8 as shown above. Install a small bare wire jumper between socket lugs #7 and #9. Solder all new connections carefully.
- 4) Install the EM-84 tube in socket V-8.



This completes the modification.

### Alignment of the Multiplex Integrator

With the EM-84 tube installed, the stereocator is no longer available for alignment of the multiplex integrator. However, this procedure may be accomplished with the aid of a high impedance volt-meter, such as a VTVM or FET-VM.

- 1) Tune to a strong FM station known to broadcast in stereo.
- 2) Adjust T71 & T72 on PC-12 for highest voltage at eyelet #75, also on PC-12.
- 3) Adjust T-73 (PC-12) for greatest channel separation. This adjustment can be done by ear.