

# ***MESA/BOOGIE***<sup>®</sup>

*The Spirit of Art in Technology*

## Mark IV Updates

### 1. Footswitch/Lead Mode Resistor Upgrade.

→ R383, 100 ohm  $\frac{1}{2}$ watt, should be upgraded to a 1 watt. Due to its inaccessible location between the doubler circuit caps, 8200 uf/ 16v, the easy to do this is to clip the existing 100ohm  $\frac{1}{2}$  watt out completely. Then solder one end of the 100 ohm 1 watt into pin #5 of V1. There should be enough space in the hole for both the resistor lead and the socket tab. Solder and shrink wrap a red wire to the other end of the 100 ohm 1 watt and run it back to the rotary switch and solder it to the lug with the existing red wire.

### 2. Reverb Return Jack

If the red wire on the reverb return jack is towards the chassis front (close to the EQ coils) remove the jack, rotate it 180 degrees and re-install. Trim the red wire when reconnecting to keep it as short as possible between the circuit board and the jack lug.

### 3. EQ current-limiting resistors

R341 and R346, both 470 ohm  $\frac{1}{2}$  watt resistors, should have 150 ohm  $\frac{1}{2}$  watt resistors added in parallel. Later units have 100 ohm resistors in this position and obviously should not have the 150 ohms added.