



**RAILHAMMER**  
— LOUD & CLEAR —



## RAILHAMMER OWNER'S MANUAL

### **Humbucker and Humcutter Wire Color Code** (4-conductor, independent ground)

Black = Hot

Green = Ground

Braided Silver = Ground

White + Red: solder together & tape off.

### **Recommended Pot Values**

500K volume and tone pots are recommended for all our pickup models. Lower value pots (250K) will reduce treble and output, higher value pots (1meg) will increase treble and output.

### **Recommended Tone Control Cap Value**

.022mfd cap is recommended for the tone control. Higher value caps (.047mfd) will cut more treble and upper midrange.

### **Treble Bypass Mod**

This mod allows you to turn down the guitar's volume control without treble loss, for a cleaner tone that does not sound dull: On the volume pot, solder a 270pf cap (no resistor required) between the two hot lugs (the left and middle lugs, if the lugs are pointing at you).

### **Humbucker Coil Tapping**

Recommended coil tap configuration:

Bridge Pickup: white + red wires together > switch > to ground.

Neck Pickup: white + red wires together > switch > to hot.

With switch on, this leaves the neck coil of the neck humbucker on, and the bridge coil of the bridge humbucker on. Using both pickups together, it will be hum-canceling.

### **Wiring Diagrams**

There are hundreds of diagrams for hundreds of different guitars. We suggest a Google search for "guitar wiring" or "[insert guitar name here wiring](#)".

### **Recommended Pickup Height Adjustments**

With guitar held in playing position, use a small machinist ruler to measure the distance between the top of rail or pole, to the bottom of the open E strings. All measurements shown in 32nds of an inch:

Humbucker Bridge and Neck

Bridge: low E = 4 high E = 3 Neck: low E = 5 high E = 4

Humcutter Bridge and Neck

Bridge: low E = 4 high E = 3 Neck: low E = 5 high E = 4

Humbucker Bridge (except Anvil, see below) with Humcutter Neck

Bridge: low E = 4.5 high E = 3.5 Neck: low E = 4.5 high E = 3.5

Anvil Bridge with Humcutter Neck

Bridge: low E = 4.5 high E = 3.5 Neck: low E = 4 high E = 3

### **IMPORTANT:**

The above numbers are good starting points. We recommend you fine tune the height adjustments while playing through your amp. Adjust a little at a time, until you find your perfect balance of volume and tone between the low and high strings, and between the bridge and neck pickups.

### **PLEASE NOTE:**

- Raising the pickup increases volume and distortion, but too high can reduce clarity and sustain.
- Lowering the pickup reduces volume and distortion, but too low can sound dull.

**For more info please visit [www.railhammer.com](http://www.railhammer.com)**