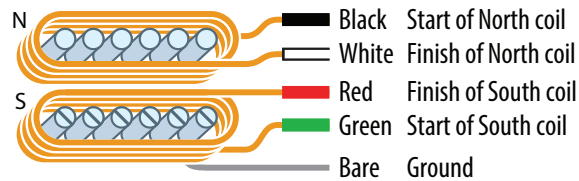


# Standard humbucker wiring

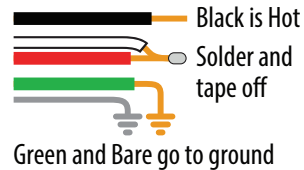
## Understanding the color-coded leads

Humbuckers have two coils, with opposite magnetic polarity (North/South facing up). The two ends of each coil wire are connected to the Start lead and the Finish lead. The fifth lead is a bare ground wire (some humbuckers do not have this fifth lead).



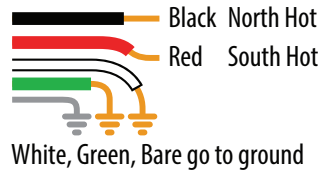
## Series-linked coils: humbucking

Standard humbucking wiring: solder the red and white leads.



## Parallel wiring: stand-alone coils

Allows access to each coil independently, for custom options using a switch.

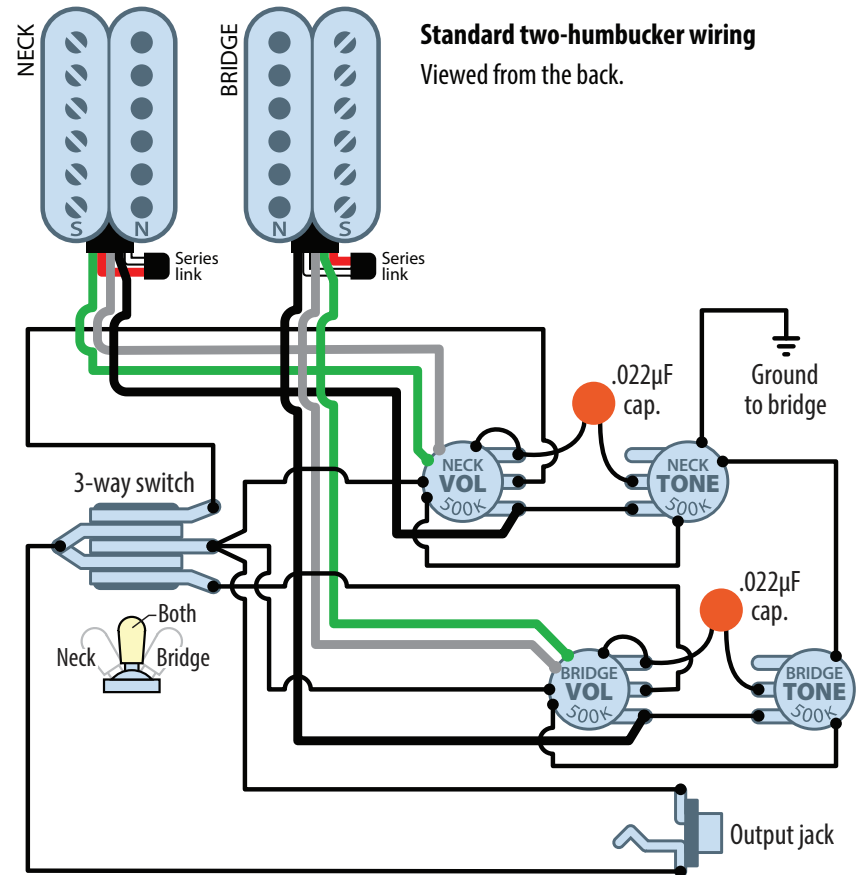


## Setting your pickup height

Humbuckers are usually set closer to the strings than single-coils because they have less of a focused magnetic pull.



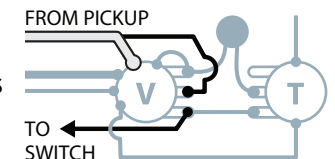
Start with about  $3/32"$  between the Low-E polepiece and the bottom of the string when fretted at the highest fret, and a  $1/16"$  gap for the High-E string. Raise or lower the heights of the neck and bridge pickups to find the tone/volume balance you like best.



## Standard two-humbucker wiring

Viewed from the back.

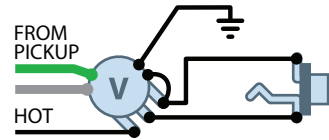
**Independent pickup volumes:** To blend the pickups independently, swap the wires from the pickups and the switch where they connect to the volume pot. This solves the problem in the middle position of the switch where turning down one volume control affects both pickups.



# Custom humbucker wiring

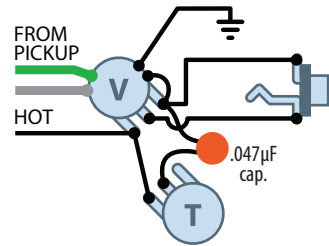
## Master volume control

Simple control of signal going to the output jack. Can be used for a single pickup or as master volume for a multiple-pickup configuration.



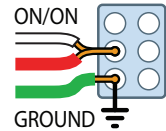
## Volume and tone circuit

Same as the master volume above, with the addition of a master tone.



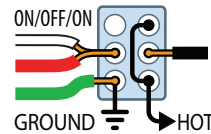
For all Stewmac Pickups, wiring diagrams, and soldering tips: [stewmac.com/stewmac-pickups](http://stewmac.com/stewmac-pickups)

## Add options with a mini-switch or push-pull pot



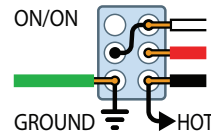
### Coil-cut

Select between humbucker tone or just one single-coil (not hum-cancelling).



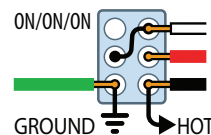
### Coil-cut / Off / Humbucking

Switch a pickup off, or activate it as either a humbucker or single-coil.



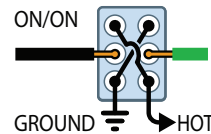
### Series / Parallel

Traditional full humbucker tone or thin single-coil sound that's still hum-cancelling.



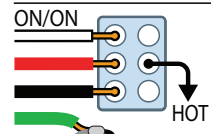
### Series / Coil-cut / Parallel

A real powerhouse, giving you three tonal options from a single humbucker.



### Phase switching between two pickups

Changes the overall phase of a pickup. Only noticeable when combined with another pickup.



### Phase switching between two coils

Traditional humbucker tone or two coils out of phase for a thin, nasal sound that's no longer hum-cancelling.

