

Epiphone Les Paul Special-II: Dual-Concentric Pots + 4-Conductor Pickups + 3 Tone Switches

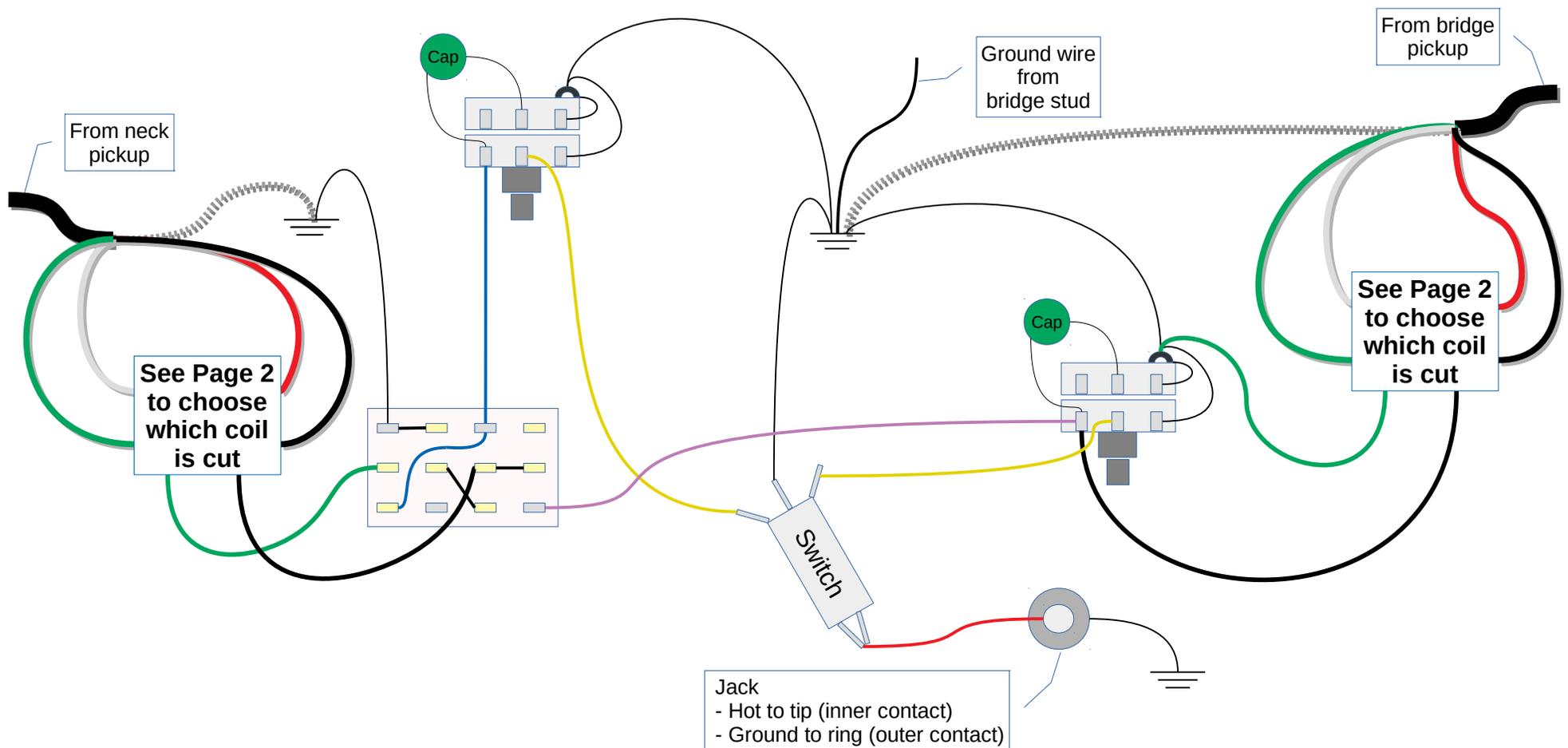
"Volume & Tone In One Hole:" standard volume, modern tone wiring

Switches: *Humbuckers*
Coils

Down: in-phase & parallel (normal)
Down: serial (normal)

Center: out-of-phase
Center: cut (single coil)

Up: OOP & serial ("Albert King tone")
Up: parallel



 4PDT 3-pos (on-on-on) toggle
Ex. Taiway #100-4P6-T200B1M1QE

 Lugs connected in *center* toggle position. (*Down* connects top lugs to middle lugs. *Up* connects bottom lugs to middle lugs.)

 Solder to pot case (or to ground bus).

 Bare ground/shield wire from pickup.

 Ground bus. Pot cases must be connected using bare wire soldered across each case. Or, use a wire-connector ring (washer with lug) beneath each pot. Ground wires can be soldered to pot cases and/or the bus wire connecting them.

 Seymour Duncan wire colors (north/stud start, finish, south/screw finish, start)

 0.022uf capacitor

 500k ohm dual concentric pot

 - Volume (outer shaft, controls adjacent pot)
 - Tone (inner shaft, controls furthest pot)

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Coil switches: choosing *which* coil is active (see Page 1 for full wiring diagram)

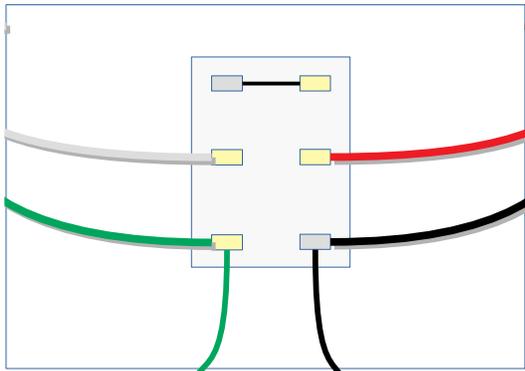
Switch: 3-position DPDT (on-on-on) toggle switch (ex. Taiway #100-DP6-T200B1M1QE)

Conventional coil cut: north/slug coil active

UP: Parallel coil wiring

CENTER: north/slug coil active

DOWN: Normal (serial coil wiring)



Up: white & green (two negatives) connect, and red & black (two positives) connect. This is parallel wiring.

Center: White is grounded (like green). But, red goes nowhere (making it's grounded green serve no purpose either). Therefore, the only active coil is the north/stud (black is the only hot wire going anywhere. And, it's corresponding white wire goes to ground).

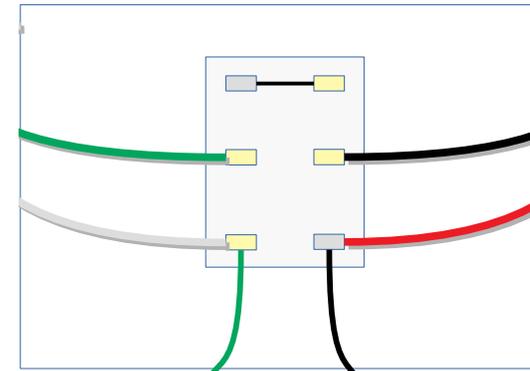
Down: white (negative) & red (positive) connect to the jumper, creating normal serial wiring.

Alternative coil cut: south/screw coil active

UP: Parallel coil wiring

CENTER: south/screw coil active

DOWN: Normal (serial coil wiring)



Up: white & green (two negatives) connect, and red & black (two positives) connect. This is parallel wiring.

Center: Green is grounded (like white). But, black goes nowhere (making it's grounded white serve no purpose either). Therefore, the only active coil is the south/screw (red is the only hot wire going anywhere. And, it's corresponding green wire goes to ground).

Down: green (negative) & black (positive) connect to the jumper, creating normal serial wiring.

Note: This wiring is called "inside out" because it uses the inner coil wires as the outer (and the outer coil wires as the inner). Without coil cut, this is supposed to be equivalent to conventional wiring.

Note: The south/screw coil reportedly can produce a different sound, especially in the bridge position. For more info, see: <https://www.1728.org/guitar7.htm> That page also discusses using north/slug in the neck, and south/screw in the bridge. (That page calls the north/slug "Coil A." South/screw is "Coil B.").