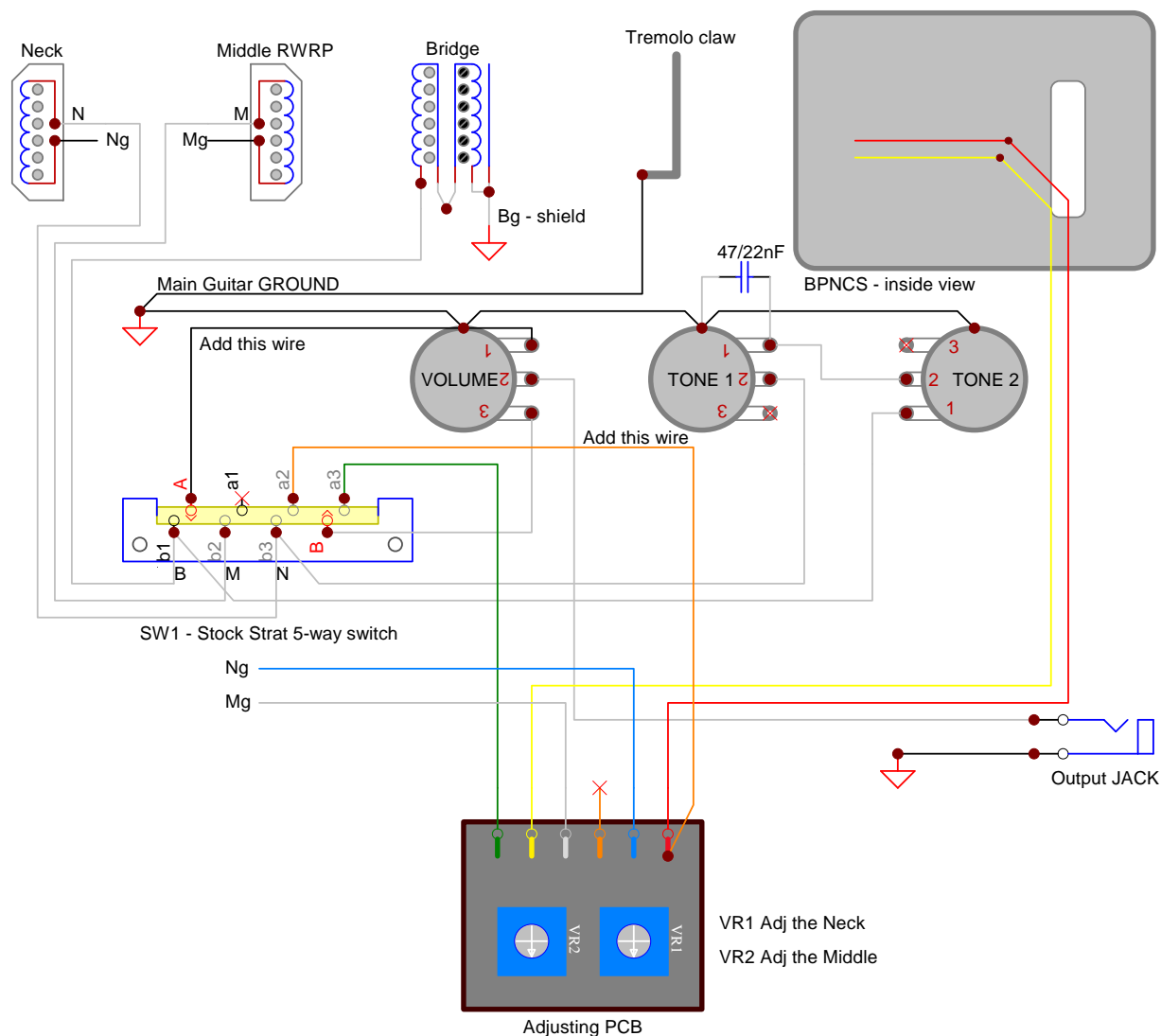


**Wiring Diagram**  
**BPNCs (Back Plate Noise Canceling System) for STRAT® style guitars. HSS Rev4**  
 Bridge - Full HB; Neck SC pickup; Middle SC pickup RWRP; Stock strat 5-way pickup selector switch



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**Notes:**

**\*Disconnect (cut or unsolder) Mg and Ng from GROUND!**

1. The M and N pickups are same style (i. e. Alnico 5 magnet rod poles) and M pickup is RWRP compared to N pickup
  2. PCB modifications:  
 =Add Orange wire connected to the Red wire spot;  
 =Remove one of the small brown SMD capacitor (if loaded) that is located on the PCB back under VR2
  3. Add wire to connect pin A of the 5way switch to Ground
  4. Use bottom half of the 5way switch for the BPNCs
  5. Green wire from PCB is NOT connected to Ground
  6. VR1 adjusts noise canceling of the N pickup  
 =Rotating VR1 CCW must reduce the noise
  7. VR2 adjusts noise canceling of the Middle pickup  
 =Rotating VR2 CW must reduce the noise
- \*If 6 and 7 are not right - swap Yellow and Red wires at the BPNCs connections

**Operations:**

- Position 1 - Bridge - Full HB no hum  
 Position 2 - Bridge + Middle - no hum  
 Position 3 - Middle - no hum  
 Position 4 - Neck + Middle - no hum  
 Position 5 - Neck - no hum
- TONE 1** permanently assigned to Neck pickup  
 TONE 1 effective for:  
 Position 5 - Neck only  
 Position 4 - Neck + Middle
- TONE 2** permanently assigned to Bridge pickup  
 TONE 2 effective for:  
 Position 1 - Bridge pickup only  
 Position 2 - Bridge + Middle  
 Position 3 - Middle pickup ONLY - no TONE
- \*\*You can also choose Master Tone or Tone 1 and Tone 2 to be assigned differently**

Works same way for BPNCs; PGNCs-S and LNCs on a HSS Strat style guitar