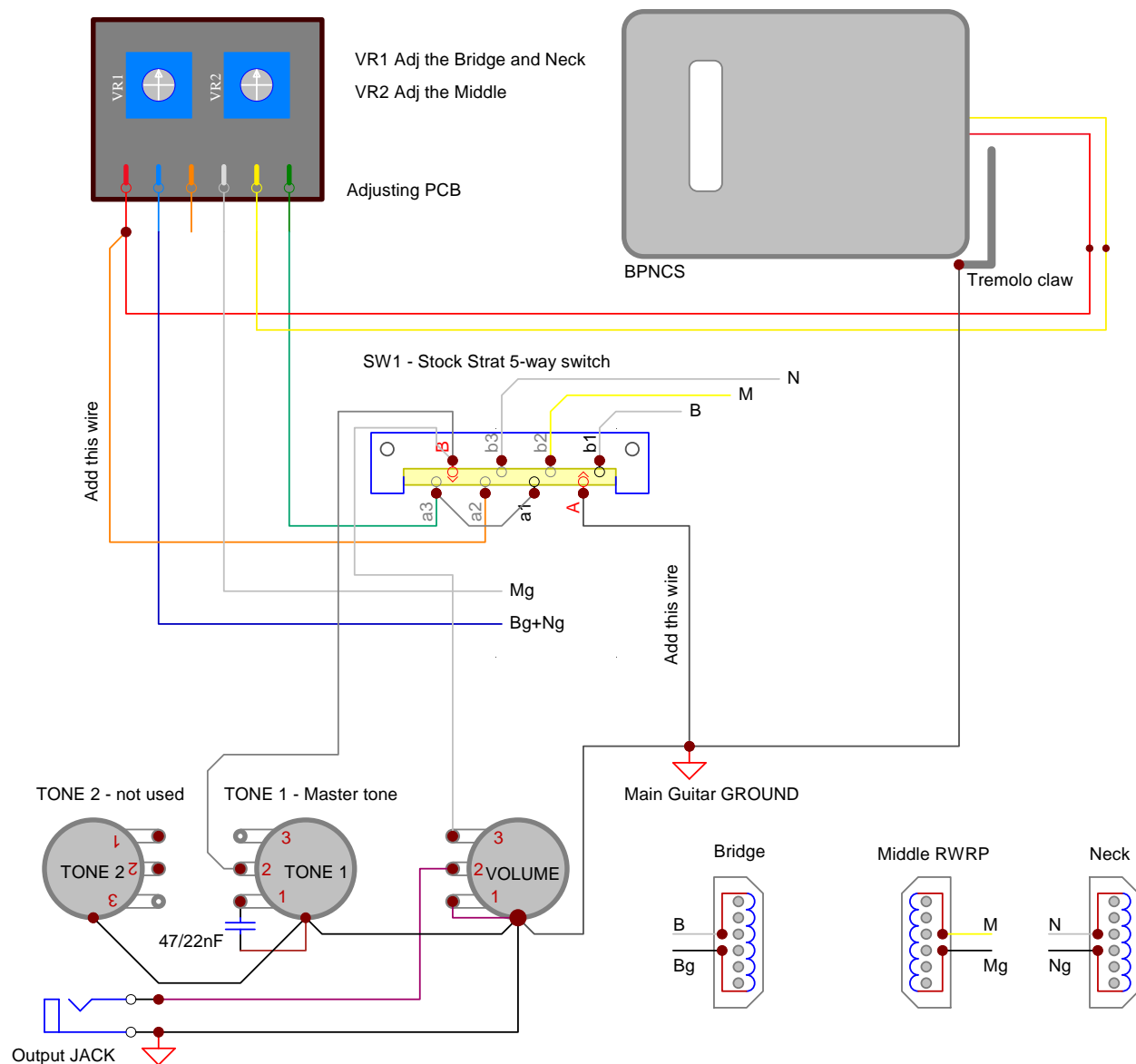


**Wiring Diagram**  
**BPNCs (Back Plate Noise Canceling System) for STRAT® style guitars. SSS Rev3**  
 Three single coil pickups; RWRP Middle; Stock 5-way pickup selector switch; Master Tone



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**Notes:**

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

1. The three pickups are same style (i. e. Alnico 5 magnet rod poles) and their DC resistance difference is less than 1Kohm
  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 switch to Ground
  4. Use bottom half of the 5way switch for the BPNCs only
  5. Green wire from PCB NOT connected to Ground
  6. VR1 adjusts noise canceling of the B and N pickup  
 =Rotating VR1 CCW must reduce the noise
  7. VR2 adjusts noise canceling of the Middle pickup  
 =Rotating 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 - 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 - Master Tone**

TONE 1 effective for:

- Position 5 - Neck only  
 Position 4 - Neck + Middle  
 Position 3 - Middle only  
 Position 2 - Bridge + Middle  
 Position 1 - Bridge only

**TONE 2 - Not used**

**\*\*You can also choose TONE 1 and TONE 2 to be assigned differently**