Wiring Diagram BPNCS (Back Plate Noise Canceling System) for STRAT© style guitars. SSS Rev5 Bridge, Middle, Neck - SC pickups; RWRP Middle; Stock 5-way pickup selector switch; Master Tone, Blender B+N



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Notes:	Operations:
*Disconnect (cut or unsolder) Bg, Mg and Ng from	Position 1 - Bridge - no hum
GROUND!	Position 2 - Bridge + Middle - no hum
1. The three pickups are same style (i. e. Alnico 5 magnet	Position 3 - Middle - no hum
rod poles) and their DC resistance difference is less than	Position 4 - Neck + Middle - no hum
1KOhm	Position 5 - Neck - no hum
2. PCB modifications:	
= On the PCB back side - add Orange wire connected to	TONE 1 - Master Tone
the Red wire spot/trace	TONE 1 effective for:
= Orange wire from PCB is connected to the switch - a2	Position 5 - Neck only
3. Add wire to connect switch terminal A to Ground	Position 4 - Neck + Middle
4. Bottom row of the 5way switch is for the BPNCS only	Position 3 - Middle only
5. Green wire from PCB is connected to the switch - a3	Position 2 - Bridge + Middle
6. VR1 adjusts noise canceling of the B and N pickup	Position 1 - Bridge only
=Rotating VR1 CCW must reduce the noise	TONE 2 - Blends Bridge and Neck pickups
7. VR2 adjusts noise canceling of the Middle pickup	**You can also choose TONE 1 and TONE 2
=Rotating CW must reduce the noise	to be assigned differently
*If 6 and 7 are not right - swap Yellow and Red wires at the	
BPNCS connections	