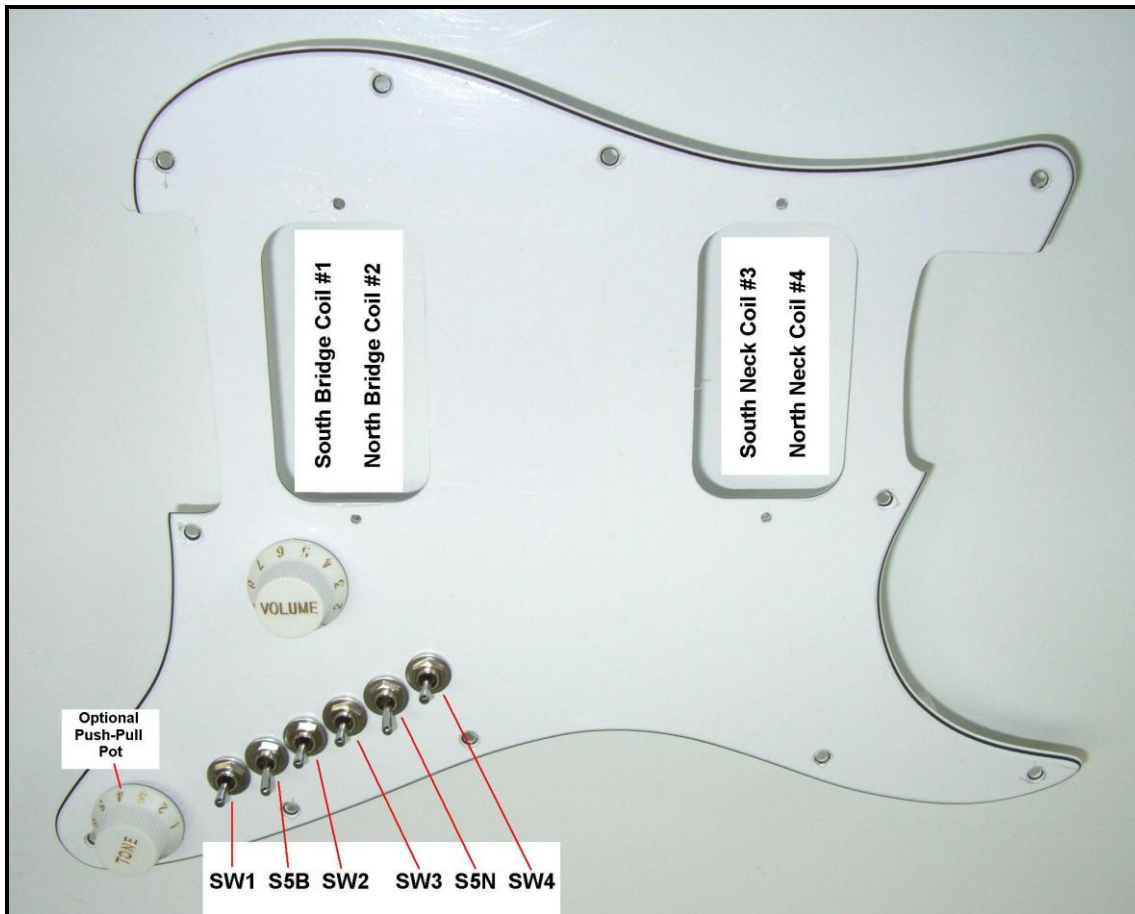


Our **AweSome Upgrade** for your Stratocaster uses our **T4-Switch** (and *optional* push-pull pot) that is designed to control your 4 pickup coils.

Here is how the controls of our T4-Switch product are laid out.

The below illustration shows an HH pickup configuration with two 4-wire humbucker pickups. The T4-Switch upgrade is also used with an HSS pickup configuration. For this configuration, the South Neck Coil #3 is the Middle single-coil pickup and the North Neck Coil #4 is the Neck single-coil pickup.



There are really two "groups" of switches:

(SW1, S5B, SW2) -and- (SW3, S5N, SW4)
(control bridge coils) (control neck coils)

Here is how the switches are used:

Switches SW1, SW2, SW3 and SW4 are ON-OFF-ON switches used to turn an individual pickup coil Off and On. The middle position of each switch is Off. The down position turns the pickup On (in *normal-phase*) and the Up position turns the pickup On (in *reverse-phase*).

Switches S5B and S5N are ON-ON (a.k.a. ON-NONE-ON) switches that are used to put select pickup coils into a **Series circuit** when in the Up position. When Down, the select pickup coils are in a **Parallel circuit**. Pretty simple, don't you agree?

When switches *S5B* and *S5N* are in the *Down* position, you will get 29 different pickup tones from the various combinations of four pickup coils being Off or On (either in *normal-phase* or in *reverse-phase*) using switches SW1, SW2, SW3 and SW4. These pickup tones are also due to the combination of pickup coils being in a **Parallel circuit**.

The other switches (*S5B* and *S5N*) are ON-ON (a.k.a. ON-NONE-ON) switches are used to put select pickup coils into a **Series circuit**. Here are two things you must remember when putting pickup coils into a Series circuit:

First, putting two pickup coils in Series circuit creates a "*Compound*" (i.e., Humbucker) pickup that gives you about 8 to 15 percent More output (think Heavy Metal/Jazz tone).

Second, because the pickup coils are in a Series circuit, BOTH of the affected pickup coils that are in a Series circuit **MUST** be On (either in *normal-phase* or *reverse-phase*). Any non-Series circuit pickup can be either Off or On (either in *normal-phase* or *reverse-phase*).

What Each Switch Controls

Switch SW1: Turns on (south bridge) pickup coil #1 (down is *normal-phase*, up is *reverse-phase*, center is Off.)
Switch S5B: Puts both (bridge) pickup coils #1 and #2 into a Series circuit when Up. Both pickup coils MUST be On.
Switch SW2: Turns on (north bridge) pickup coil #2 (down is *normal-phase*, up is *reverse-phase*, center is Off.)

Switch SW3: Turns on (south neck) pickup coil (down is *normal-phase*, up is *reverse-phase*, center is Off.)
Switch S5N: Puts both (neck) pickups into a Series circuit when Up. Both pickup coils MUST be On.
Switch SW4: Turns on (north neck) pickup coil (down is *normal-phase*, up is *reverse-phase*, center is Off.)

The result of the T4-Switch will give you 68 pickup tones from four separate pickup coils.

The optional Tone control push-pull pot puts the north bridge and south neck pickup coils into a series circuit. This gives you 20 additional pickup tones, several of which are **QuadraBucker™** pickup tones (*all four pickup coils in series*).

In summary, the various combinations of all of these switches and the push-pull tone control will give you 88 pickup tones.

See our website Document library (documents #C and #D) for pickup tone mapping worksheets.