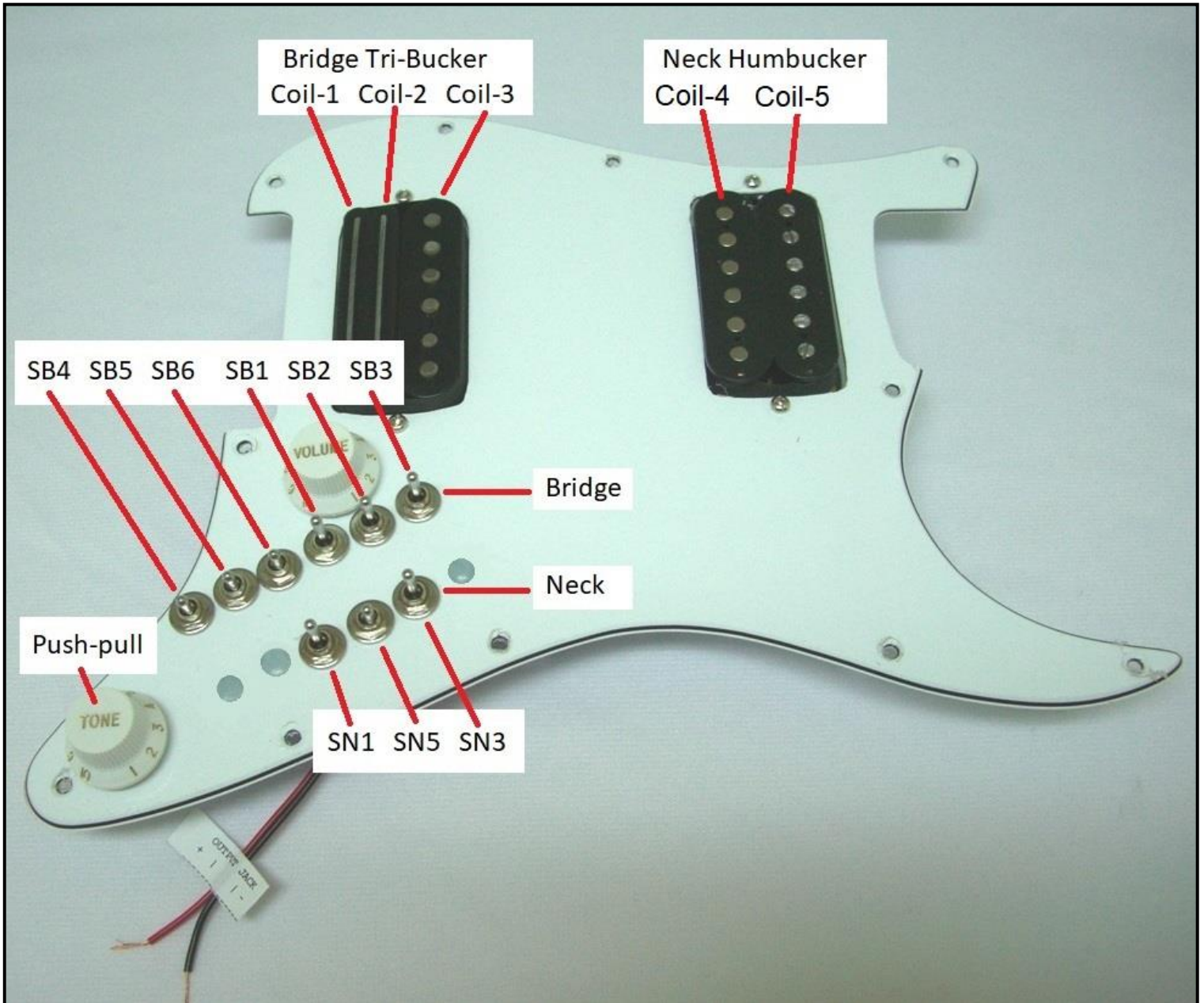


Your Stratocaster upgrade uses our **T3Plus-T2 Switch** (paired with our *VT-3 Volume-Tone Control*) that is designed to control the 5 pickup coils of the included TriBucker and Humbucker pickups. This document describes how the controls and wire connections of our T3Plus-T2 Switch product are laid out for HH and HSH pickup configuration. .



Special Note: For easy identification, switches now have colored covers: White for pickup coil switches, Black for parallel-series switches. (remove them if not needed.)

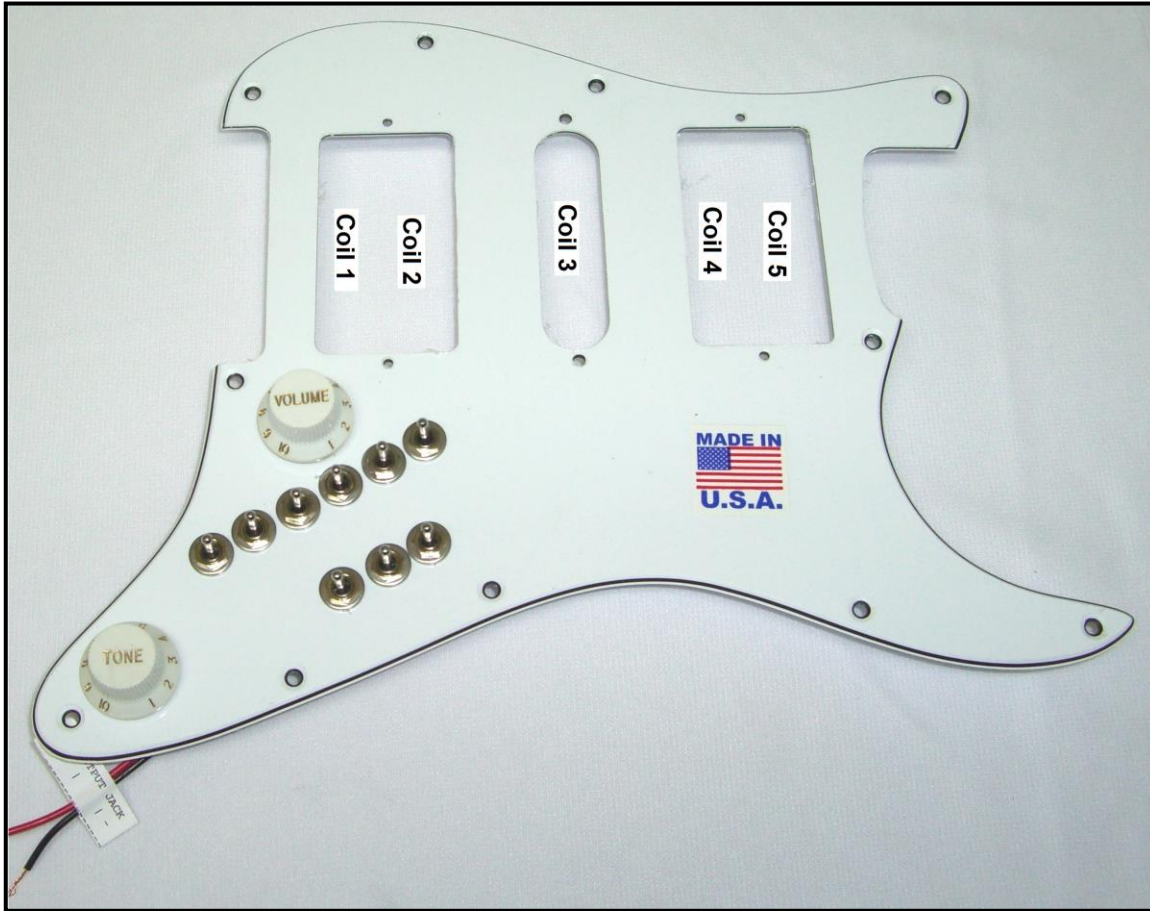
Here is the HH pickup configuration with one 6-wire TriBucker pickup and one 4-wire Humbucker pickup.

There are two “rows” of switches: The **Bridge** row and the **Neck** Row. Each row of switches controls the separate pickup coils of either the Bridge TriBucker pickup or the Neck Humbucker pickup.

The Bridge row of switches has two “groups” of switches:

(SB4, SB5, SB6) -and- (SB1, SB2, SB3)
(parallel/series switches) (on-off-on switches)

Here is the HSH pickup configuration with two 4-wire Humbucker pickups and one single-coil pickup.



Using the First Group of Switches in the Bridge Row:

The first group of switches (SB1, SB2 and SB3) are ON-OFF-ON switches used to turn an individual pickup coils Off and On. The middle position of each switch is Off. The down position turns the pickup coil On (in *normal-phase*) and the Up position turns the pickup on (in *reverse-phase*). Pretty simple, don't you agree?

Switch SB1 controls pickup Coil-1,
Switch SB2 control pickup Coil-2, and
Switch SB3 controls pickup Coil-3.

When you use these three switches (*while switches SB4, SB5, SB6 all in the Down position*), you will get 13 different pickup tones from the various combinations of three pickup coils being Off or On (either in *normal-phase* or in *reverse-phase*). These pickup tones are also due to the combination of pickup coils being in a **Parallel circuit**.

The second group of switches (SB4, SB5 and SB6) are ON-ON switches are used to put select pickup coils into a **Series circuit**. Two things to remember when using this second group of switches:

First, putting two or three pickups 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, **ALL** 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 coil can be either Off or On (either in *normal-phase* or *reverse-phase*).

Using the Second Group of Switches in the Bridge Row:

Starting with switches SB4, SB5 and SB6 in the Down position, and switches SB1, SB2 and SB3 in Off position; If you only put switch **SB4** into the Up position, this puts the TriBucker's pickup coil-1 and coil-2 into a Series circuit. This means you **MUST** turn On both pickup coil-1 and coil-2 using switches SB1 and SB2 (either in *normal-phase* or *reverse-phase*) to hear any sound. In this example, pickup coil-3 (controlled by SB3) can be either Off or On (in *normal-phase* or *reverse-phase*).

If you only put switch **SB5** into the Up position, this puts the TriBucker's pickup coil-1 and coil-3 into a Series circuit. This means you **MUST** turn On both pickup coil-1 and coil-3 using switches SB1 and SB3 (either in *normal-phase* or *reverse-phase*) to hear any sound. In this example, the pickup coil-2 (controlled by SB2) can be either Off or On (in *normal-phase* or *reverse-phase*).

If you only put switch **SB6** into the Up position, this puts the TriBucker's pickup coil-2 and coil-3 into a Series circuit. This means you **MUST** turn On both pickup coil-2 and coil-3 using switches SB2 and SB3 (either in *normal-phase* or *reverse-phase*) to hear any sound. In this example, the pickup coil-1 (controlled by SB1) can be either Off or On (in *normal-phase* or *reverse-phase*).

If you put both switches **SB4** and **SB6** into the Up position, this puts all three pickup coils into a Series circuit. This means you **MUST** turn On ALL of the pickup coils using switches SB1, SB2 and SB3 (either in *normal-phase* or *reverse-phase*) to hear any sound. In this instance, SB5 is not functional.

In summary, the combinations of these Bridge row switches will give you 35 pickup tones from the TriBucker pickup or the Bridge humbucker and the single-coil pickup.

Using the Switches in the Neck Row:

The Neck row of switches has the following switches:

(SN5) -and- (SN1, SN3)
(parallel/series switch) (on-off-on switches)

Switches (SN1 and SN3) are ON-OFF-ON switches used to turn an individual Neck humbucker pickup coils Off and On. The middle position of each switch is Off. The down position turns the pickup coil On (in *normal-phase*) and the Up position turns the pickup on (in *reverse-phase*).

Switch SN1 controls pickup Coil-4,
Switch SN3 controls pickup Coil-5.

Using the middle Switch in the Neck Row:

If you put switch **SN5** into the Up position, this puts the Neck humbucker's pickup coil-4 and coil-5 into a Series circuit. Because they are in a Series circuit, you **MUST** turn On both pickup coil-1 and coil-2 using switches SN1 and SN3 (either in *normal-phase* or *reverse-phase*) to hear any sound.

The combinations of these Neck row switches will give you 6 pickup tones from the Neck humbucker pickup. The **push-pull** tone control (when pulled up/out) "spans" the two pickups to put Bridge coil-3 and Neck coil-4 into Series. Both coils must be on. This means all five coils can be put into series for PentaBucker pickup tones. See our website Document library for a companion pickup tone mapping worksheet.

