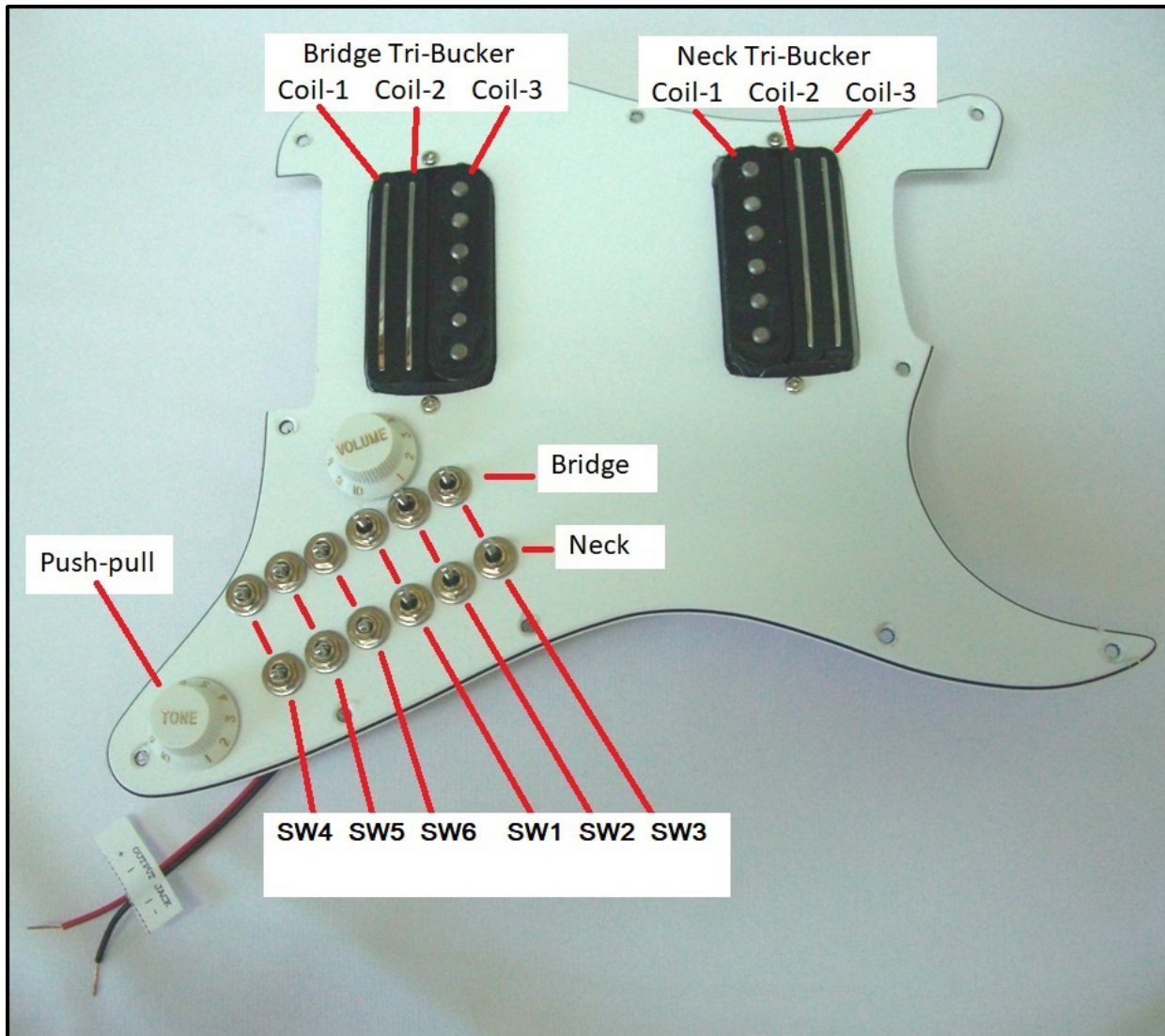


Your Stratocaster upgrade uses our **T3Plus-X Switch** (paired with our *VT-3 Volume-Tone Control*) that is designed to control the 6 pickup coils of the included TriBucker pickups. This document describes how the controls and wire connections of our T3Plus-X Switch product are laid out.

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.)

The below illustration shows the HH pickup configuration with two 6-wire TriBucker pickups.



There are two “rows” of switches: The **Bridge** row and the **Neck** Row. Each row of switches controls the three pickup coils of either the Bridge TriBucker pickup or the Neck TriBucker pickup. The operation is identical for each row. For easy identification, switches now have colored covers: White for pickup coil switches, Black for parallel-series switches.

Each row of switches also has two “groups” of switches:
(SW4, SW5, SW6) -and- (SW1, SW2, SW3)
(parallel/series switches) (on-off-on switches)

Using the First Group of Switches in the Row:

The first group of switches (SW1, SW2 and SW3) 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 SW1 controls pickup Coil-1,
Switch SW2 control pickup Coil-2, and
Switch SW3 controls pickup Coil-3.

When you use these three switches (*while switches SW4, SW5, SW6 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 (SW4, SW5 and SW6) 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 Row:

Starting with switches SW4, SW5 and SW6 in the Down position, and switches SW1, SW2 and SW3 in Off position;

If you only put switch **SW4** 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 SW1 and SW2 (either in *normal-phase* or *reverse-phase*) to hear any sound. In this example, pickup coil-3 (controlled by SW3) can be either Off or On (in *normal-phase* or *reverse-phase*).

If you only put switch **SW5** 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 SW1 and SW3 (either in *normal-phase* or *reverse-phase*) to hear any sound. In this example, the pickup coil-2 (controlled by SW2) can be either Off or On (in *normal-phase* or *reverse-phase*).

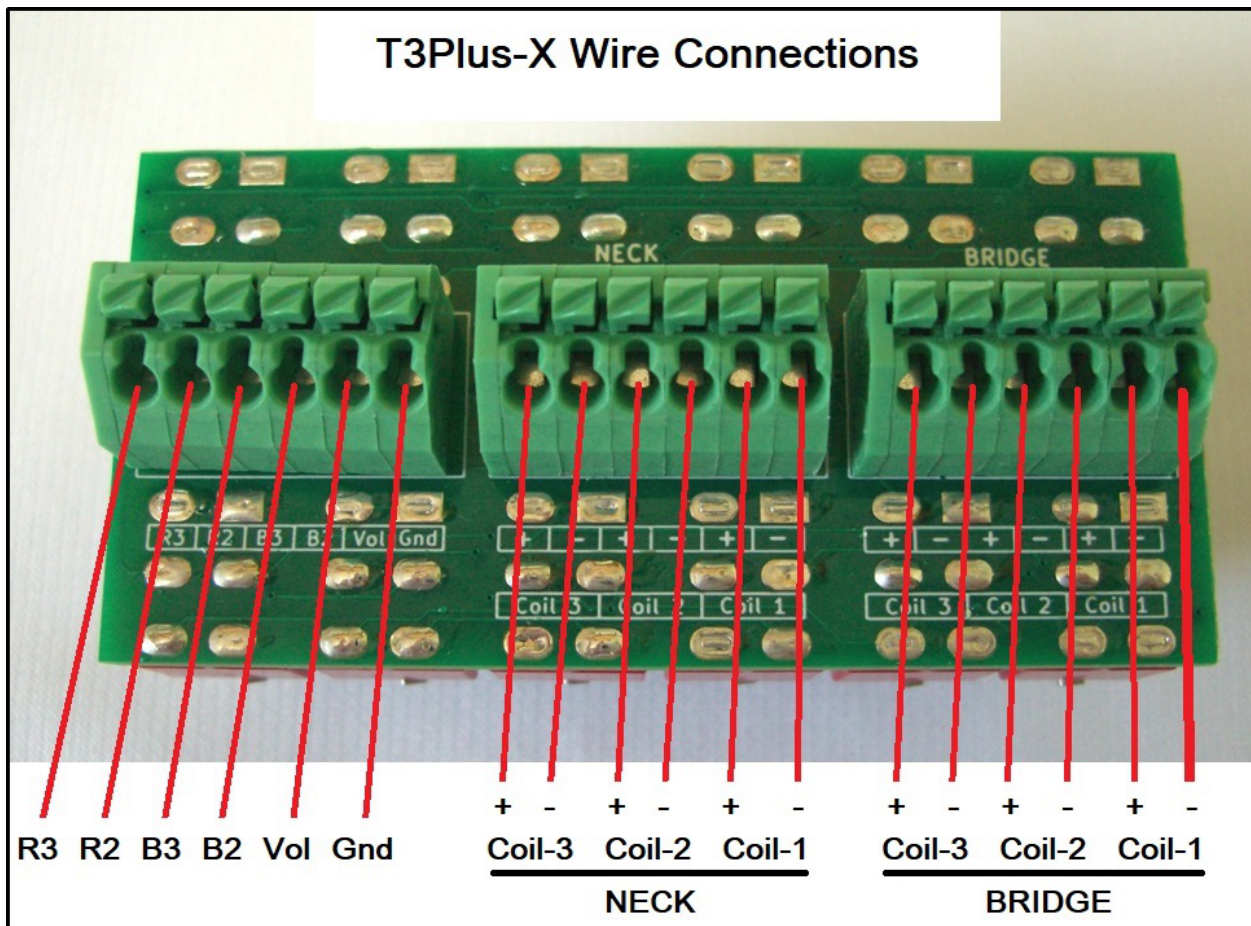
If you only put switch **SW6** into the Up position, this puts the TriBucker's pickup coil-2 and coil-3 into a Series circuit. This means you **MUST** turn On both pickup coil-2 and coil-3 using switches SW2 and SW3 (either in *normal-phase* or *reverse-phase*) to hear any sound. In this example, the pickup coil-1 (controlled by SW1) can be either Off or On (in *normal-phase* or *reverse-phase*).

If you put both switches **SW4** and **SW6** 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 SW1, SW2 and SW3 (either in *normal-phase* or *reverse-phase*) to hear any sound. In this instance, SW5 is not functional.

In summary, the combinations of these switches will give you 35 pickup tones from each TriBucker pickup.

The **push-pull** tone control (when pulled up/out) "spans" the two pickups to put Bridge coil-3 and Neck coil-1 into series. Both coils must be on. This means all six coils can be put into series for HexaBucker pickup tones. See our website Document library for a companion pickup tone mapping worksheet.

T3Plus-X Wire Connections



TriBucker Wire Color Codes and Connections

Neck TriBucker:

South Single (Coil-1): Green +, Blue –
 Middle Rail (Coil-2): White +, Black –
 North Rail (Coil-3): Yellow +, Red –

Bridge TriBucker:

South Rail (Coil-1): Yellow +, Red –
 Middle Rail (Coil-2): White +, Black –
 North Single (Coil-3): Green +, Blue –

VT-3 Volume-Tone Control Connections

The VT-3 Volume-Tone control has a 500K audio taper Volume pot and a 500K audio taper push-pull Tone pot. The **Volume** pot includes a Red-Black wire pair that is to be connected to the instrument output jack. Red goes to Signal, Black goes to ground. Also connect the existing Bridge Ground wire to the output jack ground wire.

The **Tone** pot has a Red-Black wire pair: Red connects to the “Vol” terminal and Black connects to the “Gnd” terminal. In addition, The push-pull switch has a circuit board with two Red wires and two Black wires. The circuit board has silkscreened designations where these wires are connected. They are R3, R2, B3 and B2. These wires are connected to the matching terminals. Take care to connect each wire to it’s correct terminal.

Special Note: Terminals R3/R2, B3/B2 must be connected to either the matching wires of the VT-3 push-pull or must be jumpered. If not, Bridge Coil-3 and Neck Coil-1 will not produce pickup sound.