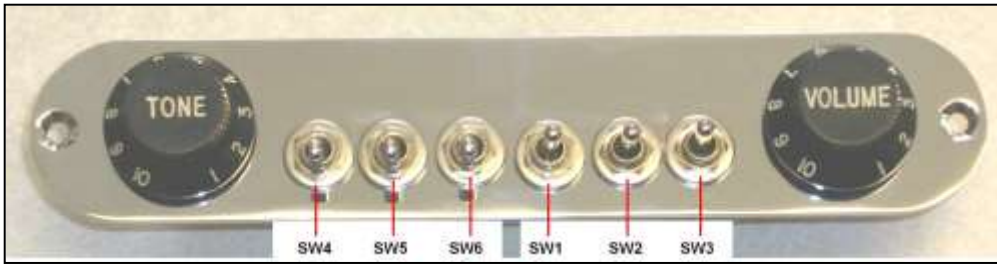


## 6b. HOW TO USE THE SWITCHES OF OUR T3Plus-SWITCH PRODUCT

Here is how the switches are laid out from rear to front: (rear) SW4 SW5 SW6 SW1 SW2 SW3 (front)



(All our Telecaster products)  
(now use chrome dome knobs)

There are really two "groups" of switches: (SW4, SW5, SW6) –and– (SW1, SW2, SW3)

### Using the First Group of Switches

The first group of switches (SW1, SW2 and SW3) are **ON-OFF-ON** switches used to turn an individual pickup 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*). To summarize:

- Switch SW1 controls the Bridge pickup
- Switch SW2 controls the Middle pickup
- Switch SW3 controls the Neck pickup

When you use these three switches (*and with 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* pickups into a **Series circuit**.

Remember the following facts when you are using this second group of switches:

- When you put two or three pickups in a Series circuit, you create a "compound" (i.e., Humbucker) pickup that gives you about 8 to 15 percent more output signal (to give you incredible Heavy Metal/Jazz tones).
- All pickups that are in a Series circuit **MUST** be On (either in *normal-phase* or *reverse-phase*). If you have two pickups in Series, the non-Series pickup can be either Off or On (either in *normal-phase* or *reverse-phase*).

### Using the Second Group of Switches

Start with all three switches SW4, SW5 and SW6 in the Down position;

- If you only put switch **SW4** Up, this puts both the Bridge pickup and Middle pickup into a Series circuit. This means you **MUST** turn On both the Bridge pickup and the Middle pickup using switches SW1 and SW2 (either in *normal-phase* or *reverse-phase*) to hear any sound. In this example, the Neck pickup (controlled by SW3) can be either Off or On (in *normal-phase* or *reverse-phase*).
- If you only put switch **SW5** Up, this puts both the Bridge pickup and Neck pickup into a Series circuit. This means you **MUST** turn On both the Bridge pickup and the Neck pickup using switches SW1 and SW3 (either in *normal-phase* or *reverse-phase*) to hear any sound. In this example, the Middle pickup (controlled by SW2) can be either Off or On (in *normal-phase* or *reverse-phase*).
- If you only put switch **SW6** Up, this puts both the Middle pickup and Neck pickup into a Series circuit. This means you **MUST** turn On both the Middle pickup and the Neck pickup using switches SW2 and SW3 (either in *normal-phase* or *reverse-phase*) to hear any sound. In this example, the Bridge pickup (controlled by SW1) can be either Off or On (in *normal-phase* or *reverse-phase*).
- If you put both switches **SW4** and **SW6** Up, this puts all three pickups into a Series circuit. This means you **MUST** turn On ALL of the pickups using switches SW1, SW2 and SW3 (either in *normal-phase* or *reverse-phase*) to hear any sound. This gives you an incredible overdriven heavy metal / jazz sound in spades.

The various combinations and positions of these six switches on our T3Plus-Switch product will give you 35 pickup tones. You can download the instructions for using our T3Plus-Switch and the companion worksheet to "map" all the pickup tones from our website (AweSome-Guitars.com) **Document Library** page. (see Documents #E)