

Get 68 Pickup Tones From Your Instrument With Our T4-Switch

5-4-2017

This upgrade is for your instruments with an HH, HSS or SSSS pickup configuration where true **4-wire humbucker pickups** are used.

Note: *You cannot use 2-wire humbucker pickups or 3-wire coil tapped pickups with this circuit.*

This configuration uses our T4-Switch and VT-2 Volume-Tone Control product.

You should know that this upgrade will give you one single instrument that can produce virtually every pickup tone ever created – pickup tones ranging from *Blues* to *Metal* to *Jazz* to *Surf* to *Country* to glass-shattering *tin-canny* and every analog pickup tone in between. This means your instrument will likely sound like every electric guitar ever made. Best of all, you will also have the Signature Sounds of pretty much every guitar god since the early 40's. Now you can truly *be what you want to be* – because our products will help you be more creative.

Our website's Document Library (*See document # C*) has a worksheet that lets you *map* all the pickup tones.

The following pages identify how to get 68 pickup tones.

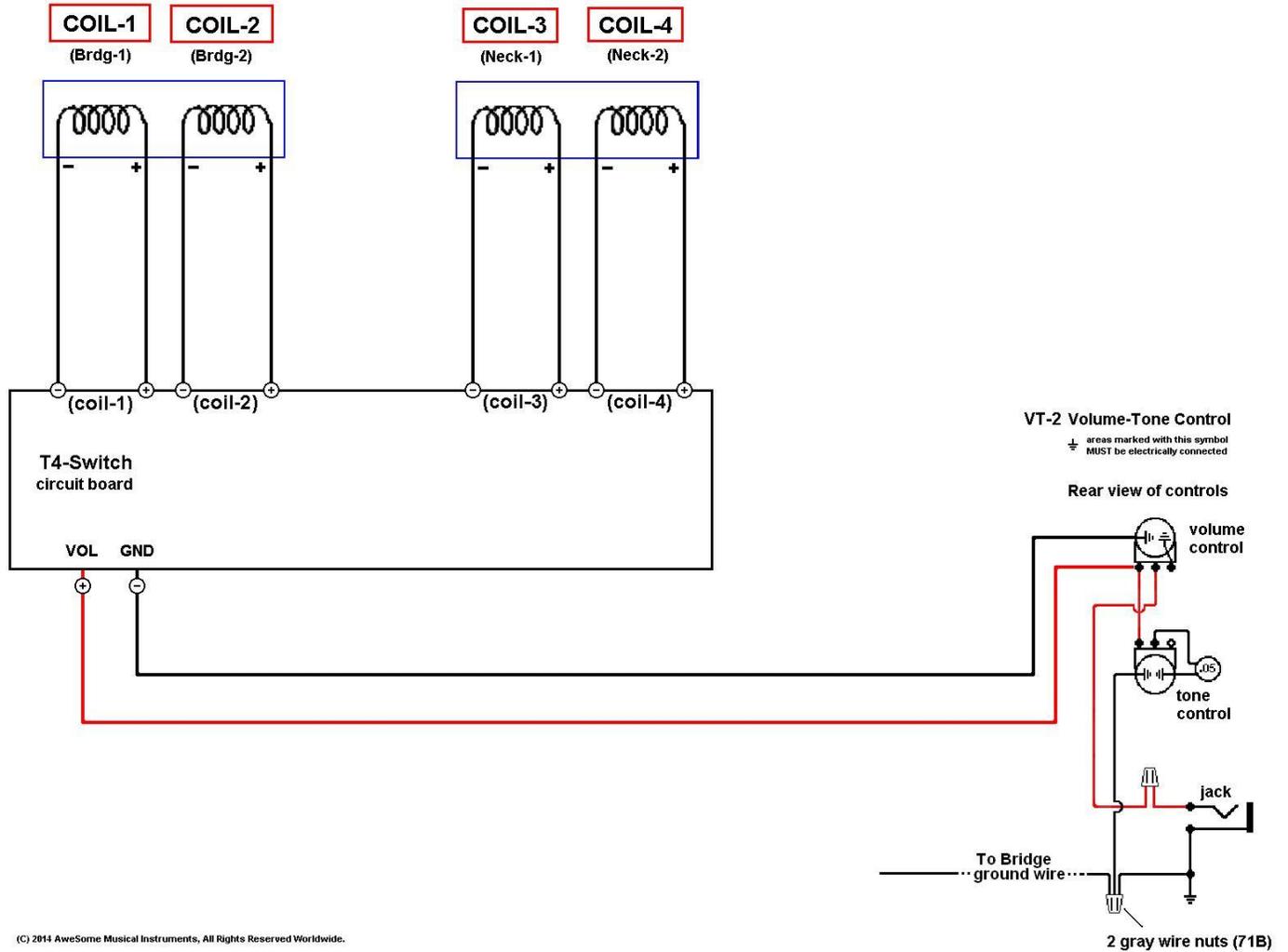
Page two contains the wiring for our T4-Switch product (*Rev E2*).

Page three has important information about 4-wire humbucker pickups.

T4-Switch Wiring (Rev E2) – Uses Our VT-2 Volume-Tone Control.

Using our **T4 Pickup Switch Upgrade™** product to get 68 pickup tones

These connections are used with our T4-Switch (E1 version) printed circuit board.



(C) 2014 AweSome Musical Instruments, All Rights Reserved Worldwide.

IMPORTANT Notes About 4-Wire Humbucker Pickups

Most 4-wire humbucker pickups are made to be *Symmetrical*. This means that the two coils of the humbucker pickup package are identical (*i.e., same impedance/resistance*). Although not necessarily bad in itself, when each of the two coils are separately controlled the lack of versatility and performance becomes clear. Turn on one of the coils by itself and get a pickup tone. Separately turn on the other coil by itself and get the exact same pickup tone. This design is an obstacle that prevents you from enjoying maximum pickup tone versatility.

When we introduced our T4-Switch in 2011, it became clear that this redundant tone from each separate identical coil of the *Symmetrical* 4-wire humbucker pickup was disappointing because it severely limited the true benefit and pickup tone versatility that our new T4-Switch product was capable of providing.

To address this major shortcoming of the *Symmetrical* 4-wire humbucker pickups, we pioneered the development of *Asymmetrical* 4-wire humbucker pickups that would give players access to a Grand Canyon Wide range of unique pickup tones.

Our criteria was to design the specifications for the *Asymmetrical* 4-wire humbucker pickups. Further, the characteristics of the Bridge pickup needed to be different than that of the Neck pickup. Each of the two coils of the newly designed *Asymmetrical* 4-wire humbucker pickup set have a *differential* of about 15 percent. This means that each coil when separately turned on will produce a noticeably different pickup tone.

We also wanted the Bridge and Neck pickups to have completely different impedance/resistance characteristics to maximize pickup tone versatility with the combinations of these four dissimilar pickup coils.

We spent several months collaborating with the owner of heartlandtone.com to assist us with creating truly versatile *Asymmetrical* 4-wire humbucker pickups that harnessed the incredible versatility of our T4-Switch product and produced the maximum in tone versatility.

The owner of heartlandtone.com is both a guitar player and custom pickup maker who is expert in technical knowledge of creating pickups and uses expensive impedance measuring equipment to scientifically and precisely quantify the pickup coil characteristics – instead of resorting to misleading words to describe what you are getting.

Using our switch products, he was able to understand what they could offer. More important, he also clearly knew what we wanted with this new *Asymmetrical* 4-wire humbucker pickup configuration.

The result of this collaboration is the new the true "*golden mean*" of *Asymmetrical* 4-wire humbucker pickups.

If your HSS or HH instrument has Symmetric 4-wire humbucker pickups and you want to use our T4-Switch product, consider replacing them with new *Asymmetrical* 4-wire humbucker pickups from heartlandtone.com. Tell them you will be using the AweSome T4-Switch product.

Visit our website's (<http://www.AweSome-Guitars.com>) *Document Library* for more useful wiring tips.

We have an extensive product catalog of upgrade products to help you *transform your dreams into reality*.