Stellartone ToneStyler installation

The ToneStyler BASS TEN and GUITAR TEN have 1/2" length x 3/8"-32 dia USA threaded bushings, and 24-fine-spline split-shaft USA tips, for mounting through ≤3/8" surfaces, and using either USA push-on knobs or USA/metric set-screw knobs.

The ToneStyler DUO SIX has a 5/16" length x 3/8"-32 dia USA bushing, and a 1/4" USA solid-shaft tip, for mounting through ≤3/16" surfaces, and exclusively using 1/4" hole USA set-screw knobs *(no push-on knobs!)*

The ToneStyler B-10 BASS TEN & G-10 GUITAR TEN models are compatible in *two-knob "volume-tone", three-knob "volume-tone-tone", and four-knob "volume-tone-volume-tone" instruments:*

In single-pickup instruments (**P-Bass, Les Paul Jr**), solder the **RED** wire to the pickup's **HOT** output wire, where it is presently soldered to the left side input lug of the volume pot.

In two-pickup instruments with two knobs (**Tele**) or three-pickup "volume-tone-tone" knobs (**Strat**), solder the **RED** wire to the left side input lug of the volume pot, where the pickup selector switch's **HOT** output wire is presently soldered.

In two-pickup instruments with four knobs (**Les Paul**), replace one or both tone pots. Solder each ToneStyler's **RED** wire to the left side input lug of each volume pot, where each pickup's **HOT** output wire is presently soldered. If replacing only one tone pot, we suggest the bridge tone pot. As an economical option, replace your neck pickup's tone pot with a push-pull pot; the switch allows your bridge pickup ToneStyler to select either pickup - see the Stellartone website's Les Paul wiring instructions.

Never connect the **RED** ToneStyler wire to the center output lug of ANY volume pot… and never connect it to the output jack of your instrument! This doesn't work.

Each ToneStyler cable contains one **CLEAR** "floating ground" wire. This important wire completes the ToneStyler's internal tone circuit; it doesn't provide any hum or noise prevention. The **CLEAR** floating ground wire allows for optional installations, such as in instruments featuring customized series/parallel/phase switching. Each **CLEAR** floating ground wire must be soldered to the same connection point where the pickup coil's neutral wire is soldered, or the ToneStyler will not function.

Each ToneStyler cable contains one **stranded copper shield wire**, which is electrically-common to the metal casing and mounting bushing… and after installation, connects to the guitar's conductive mounting surface. For hum and noise prevention, solder the **stranded copper shield wire** to the pickup cable's ground wire, which is often found soldered to a metal volume pot case.

For typical installations (no custom switching), separate connection points for the **CLEAR** and **stranded copper shield** wires are unnecessary; **only one combined ground point is required**. Simply twist & solder the ToneStyler's **CLEAR** and **stranded copper shield** ground wires together, and solder both wires to the pickup wire's ground point… exactly where it's presently soldered in your bass or guitar.

The ToneStyler D-6 DUO SIX is compatible in three-knob instruments with *two volume knobs plus one master tone knob, and two-knob & four-knob instruments:*

In three-knob "volume-volume-tone" instruments, such as **Fender's Jazz Bass, Gibson's Explorer & Flying V**, as well as in **most Gretsch models**, one "master" tone pot has been improperly-connected "post-volume pot". This tone control receives a weak signal whenever both volume knobs are not set to maximum loudness; this causes a thin & muddy tone. The solution is a DUO SIX, with its two independent cables properly-connected "pre-volume", to optimally-control your two separate pickup signals, at any volumes or blends. ***No more "mud tone"!***

Solder the DUO SIX's two **RED** wires to the center input lugs of the dual volume pots, where each pickup's **HOT** output wires are presently soldered. The deeper .047µF BLUE cable controls the neck pickup, and the warmer .022µF RED cable controls the bridge pickup. For optimal performance and balanced output levels, the bridge pickup's EQ range is voiced about one octave higher than the neck pickup's EQ range. See the instructions above for connecting the **CLEAR** and **stranded shield** wires.

Alternately, the DUO SIX may be installed in a single-volume-knob bass or guitar, such as **Fender's P-Bass and Telecaster**. By connecting only one… ***or both cables*** to the volume pot… the installer's choice between four contrasting tone ranges is easily made: **.069µF** *(cables in parallel)* **.047µF** *(blue cable)* **.022µF** *(red cable)* **or .015µF** *(cables in series*). This versatility allows one **DUO SIX** to be shared and transferred within a variety of guitars and basses, as may be required for recording or live performances. **Parallel**=both RED wires soldered together, both CLEAR wires soldered together; solder these to the volume pot as described above for a G-10 or B-10. **Series**=one cable's RED wire soldered to the other cable's CLEAR wire; insulate this splice with tape or a shrink tube. Then, solder the other two RED and CLEAR wires to the volume pots, as described above for a G-10 or a B-10.

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