

M1-SWITCH INSTALLATION INSTRUCTIONS

01/11/2017

Our **M1-Switch** is for your instruments that have an HSH pickup configuration (*where both humbucker pickups are 4-wire versions.*) The purpose of the M1-Switch is to control the middle single-coil pickup and combine its output with one of the following three Volume-Tone Control variants described in this document.

The separate parts bag for the M1-Switch product may include one or more of the following items.

- 3 – UY2 yellow connectors (*to connect comparable size pickup wires to those wires of the M1-Switch product. If your pickup wires are of a much thinner gauge than the M1-Switch wires, see Document Q – "Connecting 26 Gauge Wire to 22 Gauge Wire Using UY2 Connectors" on our website Document Library. Alternatively, you can connect the pickup wires and M1-Switch wires and insulate the connections with tape.*)
- 2 – UR2 red connectors (*used to tap into the VOL and GND wires from the Volume-Tone Control to the green terminal strip). For upgrades using the VT-4 Volume-Tone Control, one of the UY3 connectors is used by the Volume Control GND (-) Terminal*)
- 1 stainless steel finishing washer

In all instances, you must use our **T4-Switch** product, our M1-Switch, and one of our Volume-Tone Control products (VT-2, VT-3 or VT-4). Refer to the applicable following three sections for the Volume-Tone control you will be using for your planned upgrade. Each section refers to the applicable wiring and pickup tone mapping reference information.

The M1-Switch product contains two pair of Red/Black wires. These wires contain labels that identify exactly where each wire needs to be connected for the Volume-Tone Control being used with the upgrade. The labels may vary, depending on which Volume-Tone Control assembly is being used.

1 – HSH INSTRUMENTS WITH VT-2 VOLUME-TONE CONTROL

This configuration combines our T4-Switch, M1-Switch, and VT-2 Volume-Tone Control to produce 212 pickup tones. Refer to the following documents in our Document Library:

- Document #E – pickup tone mapping worksheet
- Document #J – wiring details

With this upgrade variant, you can use the UR2 red terminals (supplied with the M1-Switch) by cutting the wires where it is most practical, inserting all three same color wires completely into the terminal recess and use standard pliers to press down on the button to make electrical contact. Alternatively, you can solder all three of the same wire connections and use tape to insulate the connections.

2 – HSH INSTRUMENTS WITH VT-3 VOLUME-TONE CONTROL

This configuration combines our T4-Switch, VT-3 Volume-Tone Control, and M1-Switch to produce 272 pickup tones. Refer to the following documents in our Document Library:

- Document #F – pickup tone mapping worksheet
- Document #K – wiring details

With this upgrade variant, you can use the UR2 terminals (supplied with the M1-Switch) by cutting the wires where it is most practical, inserting all three same color wires completely into the terminal recess and use standard pliers to press down on the button to make electrical contact. Alternatively, you can solder all three of the same wire connections and use tape to insulate the connections.

3 – HSH INSTRUMENTS WITH VT-4 VOLUME-TONE CONTROL

This configuration combines our T4-Switch, VT-4 Volume-Tone Control, and M1-Switch to produce 276 pickup tones. Refer to the following documents in our Document Library:

- Document #G – pickup tone mapping worksheet
- Document #L – wiring details

With this upgrade variant, you can use the UR2 red terminals (supplied with the M1-Switch) by cutting the wires where it is most practical, inserting all three same color wires completely into the terminal recess and use standard pliers to press down on the button to make electrical contact. Alternatively, you can solder all three of the same wire connections and use tape to insulate the connections.