

Our **Middle Pickup Switch M1** is a *user-installed* switch designed for our T4-Switch product. It gives customers with HSH pickup configuration (*where two 4-wire humbucker pickups are used*) added control of the middle single-coil pickup. It uses a high quality DPDT (On-Off-On) switch rated at **40,000 cycles mechanical life** for extended use without premature failure.

WHAT YOU GET

One M1 Middle Pickup Switch wired and tested and includes the following.

- Parts bag with 2 UR2 terminals, 2 UY2 terminals, 1 stainless steel finishing washer, business cards

Note: Installing this product at the location you desire may require body wood removal.

Mounting Dimensions:

Body Cavity Hole Diameter: 1-1/4" (31.75mm) under the switch mounting hole

Mounted Depth Clearance: 5/8" (15.9mm)

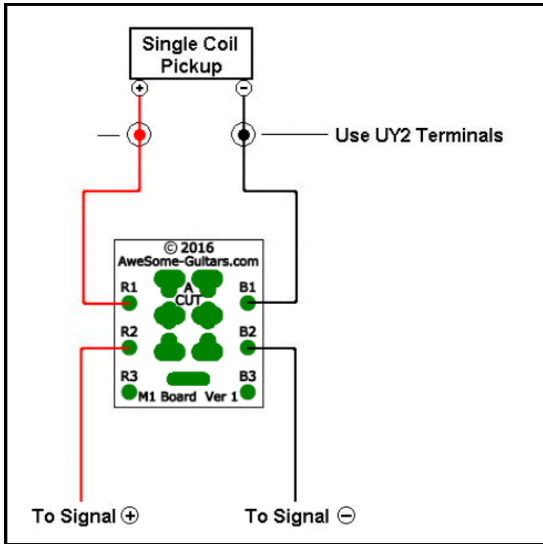
TOOLS YOU NEED

Be advised that these are *general* instruction to install this switch and may require one or more of the following tools (*not supplied with purchase*) to install this product. Purchaser assumes all risk of liability with respect to the purchase, installation and use of this product.

- Soldering iron (25 watt is recommended) with fine tip, rosin core solder
- Wire cutters / wire strippers, regular pliers
- Small needle nose pliers
- Electric drill, 9/32" (7.15mm) drill bit, 1/4" (6.5mm) drill bit, 1/16" (1.59mm) drill bit, center punch
- Small phillips screwdriver, small straight slot screwdriver
- 6" (15.24cm) adjustable crescent wrench
- Ohmmeter to measure continuity

Middle Pickup Switch M1 Installation

To install this product, you need to identify the location where it will be mounted. Typically, it is mounted in a pickguard or thru body (*with sufficient mounting thickness*). It requires a 1/4" or 9/32" mounting hole. The switch is mounted from underneath with the stainless steel finishing washer on top of the pickguard / body, then the lock nut. Body cavity material may need to be removed to permit mounting this product. See the *Mounting Dimensions* topic in this document for specifications.



Insert unstripped wire **R1** from the printed circuit board completely into one of the two holes of the included UY2 solderless connector. Insert the unstripped “positive” pickup wire to go completely into the other hole. **Note:** If your pickup wires are much smaller in diameter than the wires of this M1 product, fold over the wire about 1/4" to effectively increase the diameter before completely inserting it into the mounting hole. With both wires completely inserted, completely press down on the UY2 yellow button with pliers.

Insert unstripped wire **B1** from the printed circuit board completely into one of the two holes of the included UY2 solderless connector. Insert the unstripped “negative” pickup wire to go completely into the other hole. With both wires completely inserted, completely press down on the UY2 yellow button with pliers.

At this point, you can validate the connections with an ohmmeter connected to wires R2 and B2. You will read continuity (*i.e. the resistance of your pickup coil*) with the mini toggle switch in either the up or down position. The center position will read open circuit.

Once validated, use the applicable illustration on our Document Library website (*documents #J, #K or #L*), connect **R2** and **B2** wires coming from the printed circuit board of the M1 switch to the VOL (+) and GND (-) wires of our Volume-Tone control wiring. You will need to cut the Red and Black wires somewhere in between the Volume-Tone control and T4-Switch terminal strip.

Insert the two Red cut wires and the **R2** wire into one of the included UR2 connectors. With all three unstripped wires completely inserted, completely press down on the UR2 red button with pliers.

Insert the two Black cut wires and the **B2** wire into one of the included UR2 connectors. With all three unstripped wires completely inserted, completely press down on the UR2 red button with pliers.

Your installation is now complete.