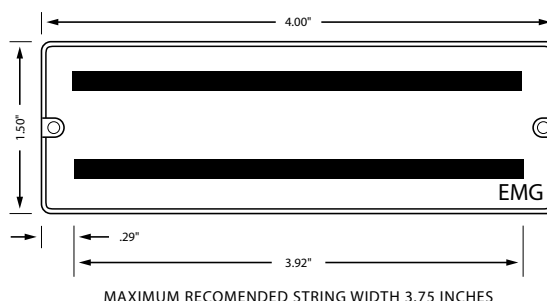




REV 9/04
RLH



Installation Information

EMG Model 45TW (Dual Mode)

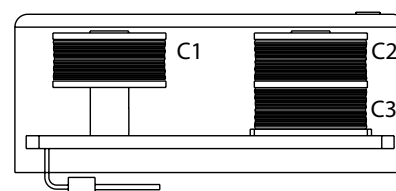
The 45TW is a DUAL Mode pickup. It can be switched from single coil to dual coil outputs.

Specifications:

Logo Color Copper
Output Impedance (K ohms) 10
Current @ 9VDC (Microamps) 152
Battery Life (Hours) 3290

	Single Coil	Dual Coil
Resonant Frequency (Khz)	4.8	2.65
RMS Output Voltage	0.8	1.25
Peak Output Voltage	1.1	3.0
Output Noise (dbV)	-91	-90

45TW (as seen from the side)



(in the Dual Coil Mode, coils C1 and C2 are used. Coils C2 and C3 are used in Single Coil Mode)

Important Installation Notes:

- 1) When replacing a passive pickup with the 45TW, it may be necessary to modify the instrument.
- 2) You can use a DPDT mini-toggle switch in place of the push/pull pot provided with the 45TW. The mini-toggle switch should be wired in the same manner as the push/pull pot provided.
- 3) The 45TW uses the Quik-Connect pickup cable. When installed, the arrow on the connector should be facing up as you look at the back of the pickup (see diagram 1).

General Installation Information:

- 1) Only one 9 volt battery is required per instrument. Use an Akaline battery (Duracell or Mallory). Additional active EQ accessories such as the BTC, VMC, BQS, EXG, B-30, etc. do not require an additional battery.
- 2) The controls provided with EMG active pickups are 25K Ohm, active taper. This control value is necessary for proper operation.
- 3) When installing EMG active pickups, DO NOT reconnect the bridge ground. EMG active pickups are internally shielded, and do not require string grounding.
- 4) EMG active pickups have very little magnetism compared to high-impedance (Passive) pickups. We recommend that you adjust the pickups as close to the strings as possible, without interfering with your playing style.

Warranty:

All EMG Pickups and accessories are warranted for a period of two years. This warranty does not cover failure due to improper installation, abuse or damage. If at any time a pickup fails to work, return it postage prepaid with proof of purchase. If upon examination the pickup is determined to be defective, a replacement will be made at no charge. Warranty replacement products are covered by this same warranty. This warranty covers only those pickups and accessories sold by authorized EMG Dealers. This warranty is not transferable.

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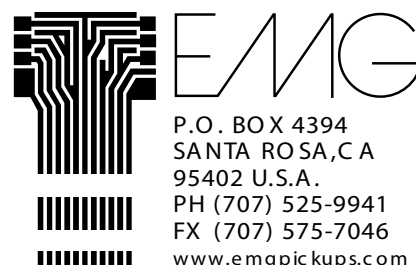


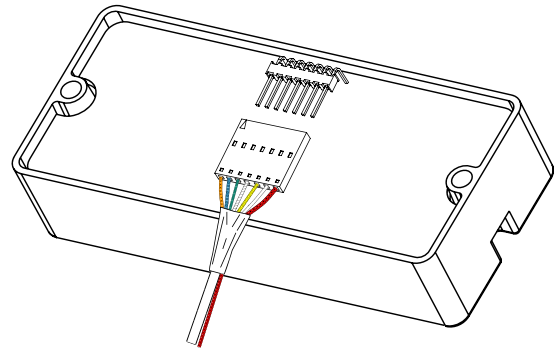
Diagram 1:

Quik-Connect cable orientation.

The Quik-Connect cable should be installed as shown, with the arrow on the connector facing up.

Connector sequence (Arrow as Pin 1):

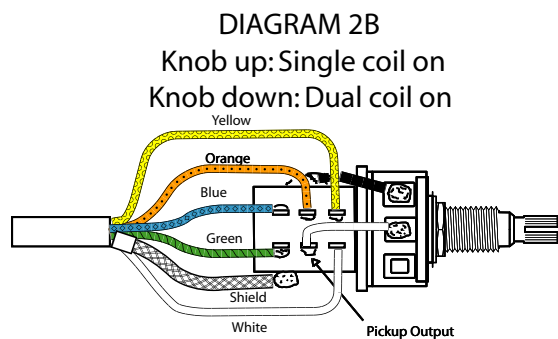
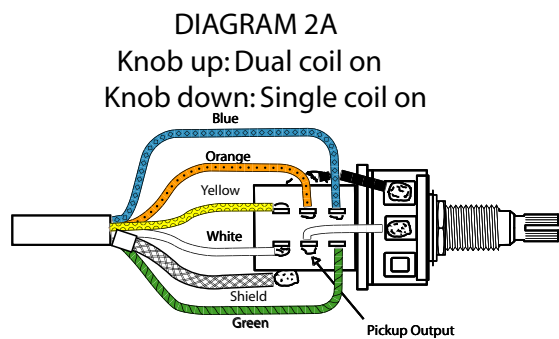
- Orange (pin 1)
- Blue (pin 2)
- Green (pin 3)
- Bare (pin 4)
- Yellow (pin 5)
- White (pin 6)
- Red (pin 7)



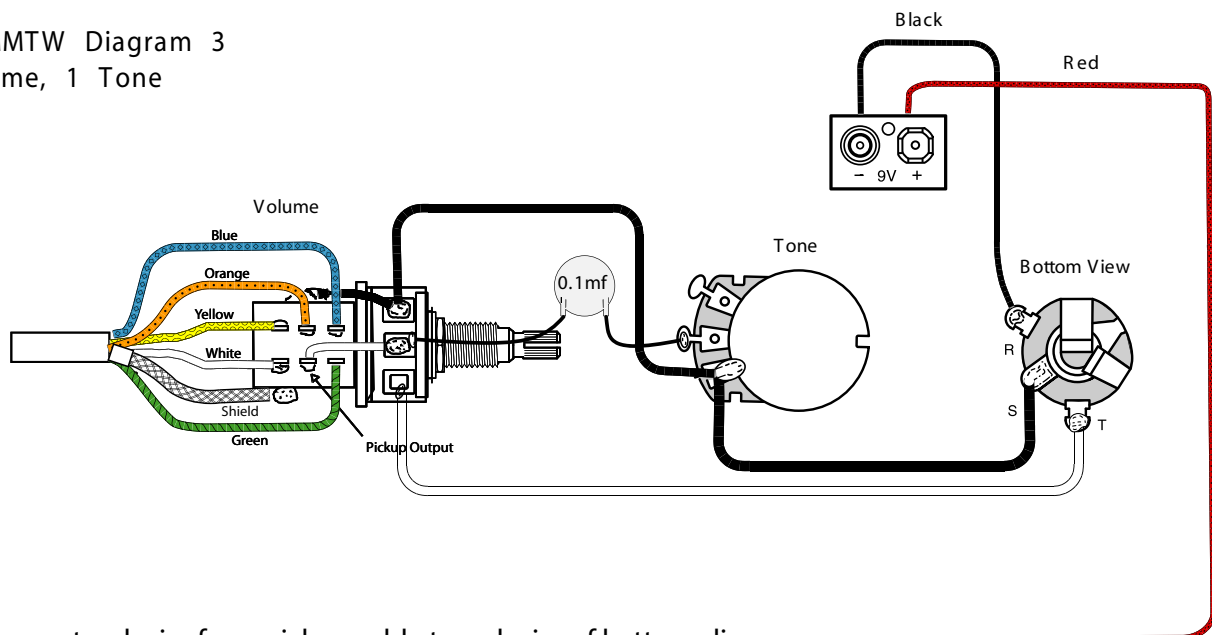
Diagrams 2A / 2B:

These two diagrams show how the push/pull pot can be wired two different ways. Diagram 2A shows the switch wired so that when the knob is up, the dual coil is on, and when the knob is down, the single coil is on. In Diagram 2B, when the knob is up the single coil is on, and when the knob is down, the dual coil is on.

NOTE: There are two separate pickups in the 45TW housing, and each pickup has two wires. The single coil uses the white and yellow wires, and the dual coil uses the green and blue wires.



EMG-MMTW Diagram 3 1 Volume, 1 Tone



Note: Connect red wire from pickup cable to red wire of battery clip.