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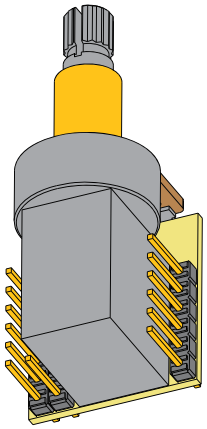


INSTALLATION INFORMATION
EMG MODEL: B136RE PUSH-PULL POT FOR EMG-89 AND ACTIVE EMG-TW PICKUPS

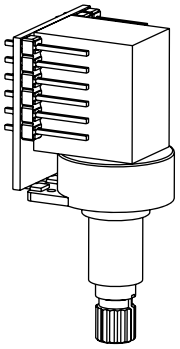
GENERAL INFORMATION:

The EMG B136rE is a Push-Pull Switch (DPDT) combined with a 25K Pot onto a split shaft control. The Push-Pull switch provides a convenient way to choose either Single-Coil or Dual-Coil sounds from Active EMG-TW Style Pickups. The 25K Pot can be used as a Volume or Tone Control for the pickup, or it can be used as a Master Volume or Master Tone Control for the instrument. The B136 uses EMG's standard solderless installation system. The B136 version described in this data sheet is thE "E" Version that allows daisy-chaining of volume controls without any extra connnectors.

The B136 has 2 Sections.

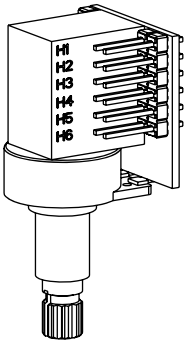
Section 1) Push-Pull Switch:

This is the single in-line 6 pin header.
This header is for the pickup input.



Section 2) 25K Audio Taper pot:

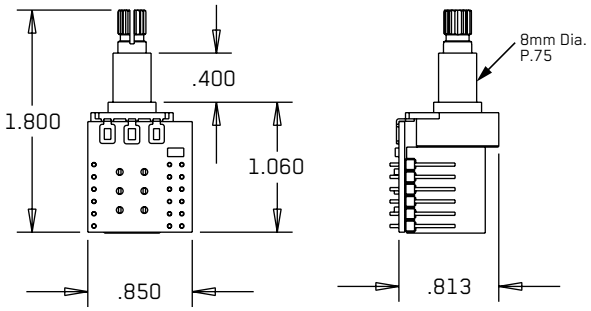
The dual-header labeled H1 thru H6 directs how the pot functions.
The Pot can be used in 4 different ways:
1) Volume Control for the pickup only
2) Tone Control for the pickup only
3) Master Volume Control for the entire instrument
4) Master Tone Control for the entire instrument



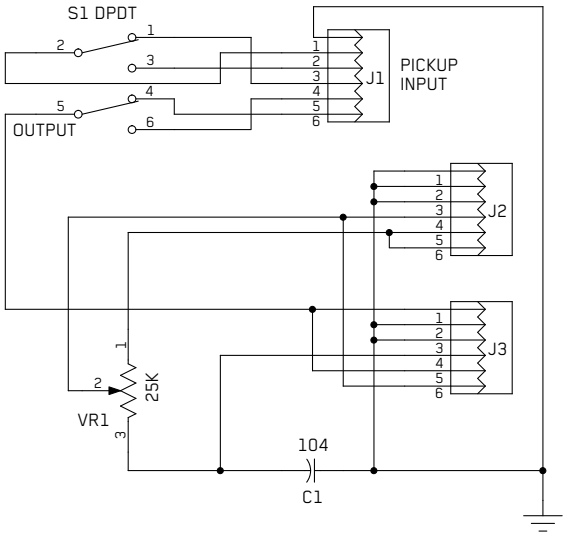
Using the B136 with EMG-X Series Pickups:

The Tone Control for the B136 is passive. It is not suitable for EMG-X Series Pickups. If you are using the B136 with EMG X-Series Pickups it should be used as a Volume Control only, either for the Pickup or as a Master Volume.

Dimensions:
B136rE Push-Pull Pot



B136E SCHEMATIC



Installation Instructions:
EMG B136rE

Using the Push-Pull Switch Section (DPDT)

Refer to Diagrams #1 and #2

The push-pull switch section (DPDT) lets you choose between the single-coil sound and a dual-coil sound by pulling or pushing the pot shaft up or down. You have the option of having the single-coil sound in either the up or down position and vice-versa for the dual-coil sound.
Diagrams #1 and #2 show how to connect the TW Pickup cable to choose either option. Select the diagram that suits you and push the cable connectors onto the single line 6-pin header.
Simply turn over cable connectors 1 and 2 changing the wire order to choose between the two options.
Connector 3 remains the same for either choice.

Diagram #7
Insert the plug onto the 7 pin header of the pickup as shown above. Note the orientation arrow.

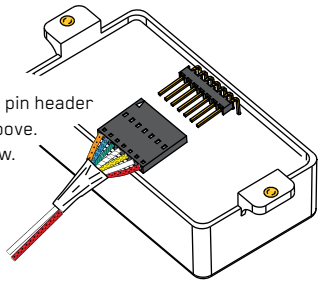
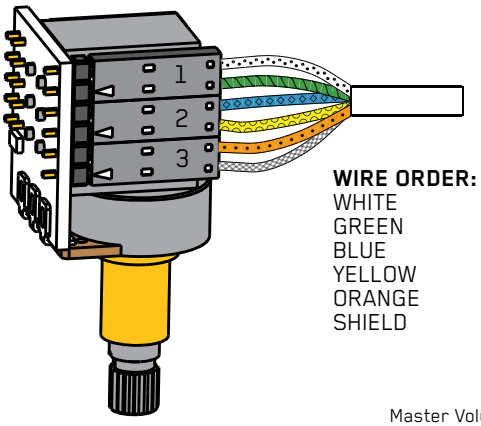
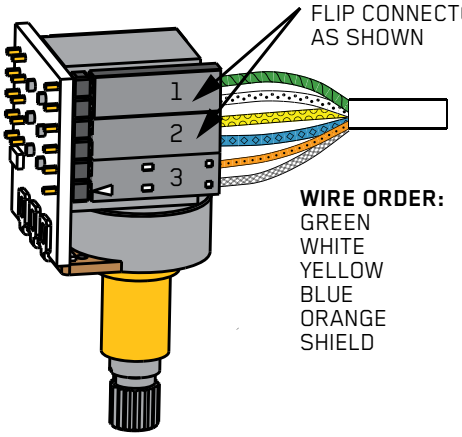


Diagram #1
HUMBUCKING ON: DOWN POSITION
SINGLE COIL ON: UP POSITION



WIRE ORDER:
WHITE
GREEN
BLUE
YELLOW
ORANGE
SHIELD

Diagram #2
SINGLE-COIL ON: DOWN POSITION
HUMBUCKING ON: UP POSITION



WIRE ORDER:
GREEN
WHITE
YELLOW
BLUE
ORANGE
SHIELD

Master Volume control for the instrument

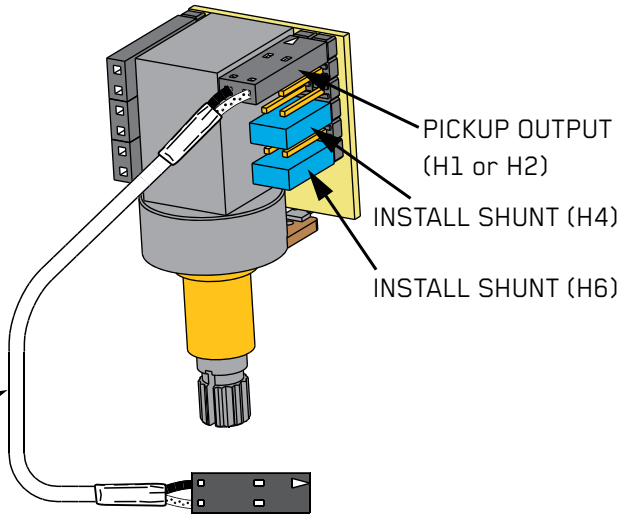
Using the Push-Pull Pot Section

On the PC Board there is a dual-line header with 6 pairs of pins. They are listed on the PC Board as H1 through H6. By using the the connections shown in Diagrams #3 through #6, you can choose any of the 4 options.

1) Volume control for the Pickup (diagram #3)
2) Tone control for the Pickup(diagram #4)
3) Master Volume control for the instrument(diagram #5)
4) Master Tone control for the instrument (diagram #6)

Using the Pot Section as:
1) The Pickup Volume control.
Refer to Diagram #3
Use Diagram #3 if you have a single TW Pickup installed in your instrument, or have two or more pickups in your instrument and want to use the pot as the Volume control for the TW Pickup only.
Install the shunts on positions H4 and H6.
The output of the 25K Pot can be either header H1 or H2.

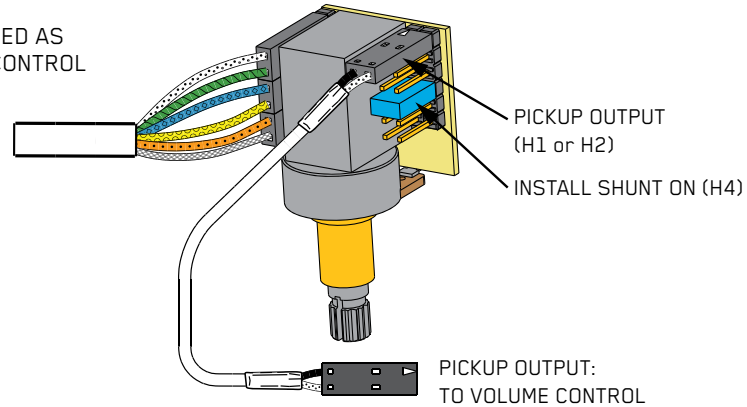
Diagram #3
PUSH-PULL POT USED AS
THE PICKUP VOLUME CONTROL



PICKUP OUTPUT:
TO TONE CONTROL OR
SELECTION SWITCH OR BUSS
FOR 2 OR 3 PICKUP GUITARS

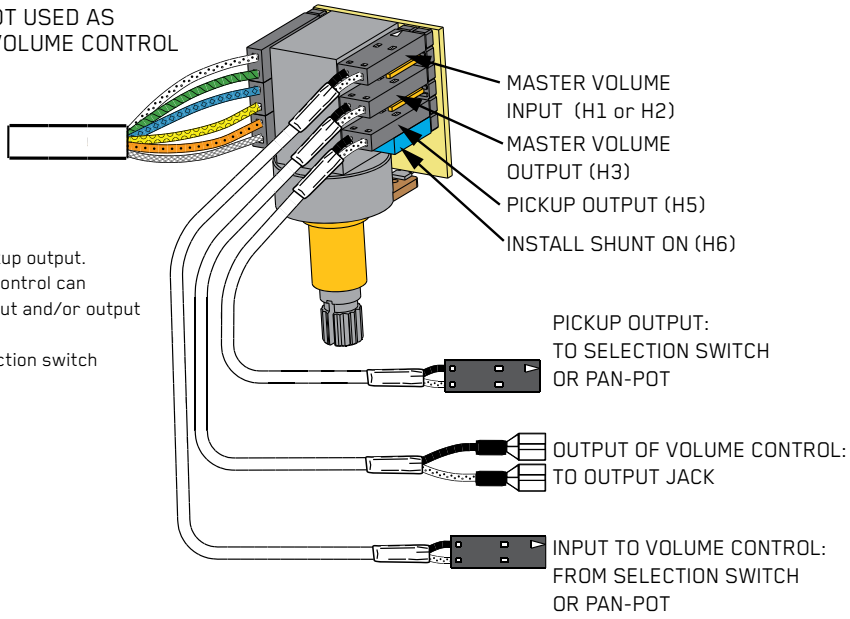
OR; TO THE OUTPUT JACK IN SINGLE
PICKUP GUITARS WITH NO TONE
CONTROL

Diagram #4
PUSH-PULL POT USED AS
THE PICKUP TONE CONTROL



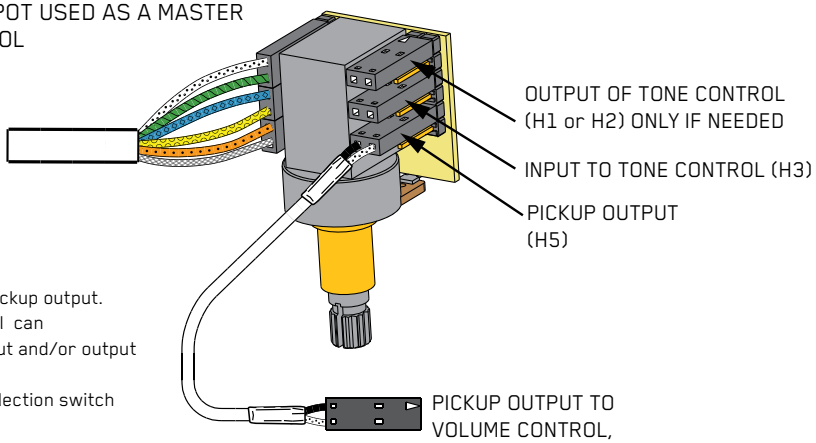
Using the Pot Section as:
A Tone control for the TW Pickup.
Refer to diagram #4 if you want to use the 25K pot
as a tone control for only the TW Pickup.
Install a shunt on position H4.
The output of the pickup can come from either H1 or H2.

Diagram #5
PUSH-PULL POT USED AS
THE MASTER VOLUME CONTROL



Using the Pot Section as:
A Master Volume control for the Instrument.
Refer to diagram #5 to use the 25K Pot independently of the pickup output.
By taking the output of the pickup from position H5, the Volume control can
be used as a Master Volume with H1 (or H2) and H3 being the input and/or output
of the Volume control. H1 and H2 positions are interchangeable.
Position H4, the output of the pickup, would typically go to a selection switch
or a pan-pot.

Diagram #6
PUSH-PULL POT USED AS A MASTER
TONE CONTROL



Using the Pot Section as:
A Master Tone control for the Instrument.
Refer to diagram #6 to use the 25K Pot independently of the pickup output.
By taking the output of the pickup from Position H5, the control can
be used as a Master Tone with H1 (or H2) and H3 being the input and/or output
of the Tone control. H1 and H2 positions are interchangeable.
Position H5, the output of the pickup, would typically go to a selection switch
or a pan-pot.

Diagram #7
One TW Pickup
Master Volume and Tone Control

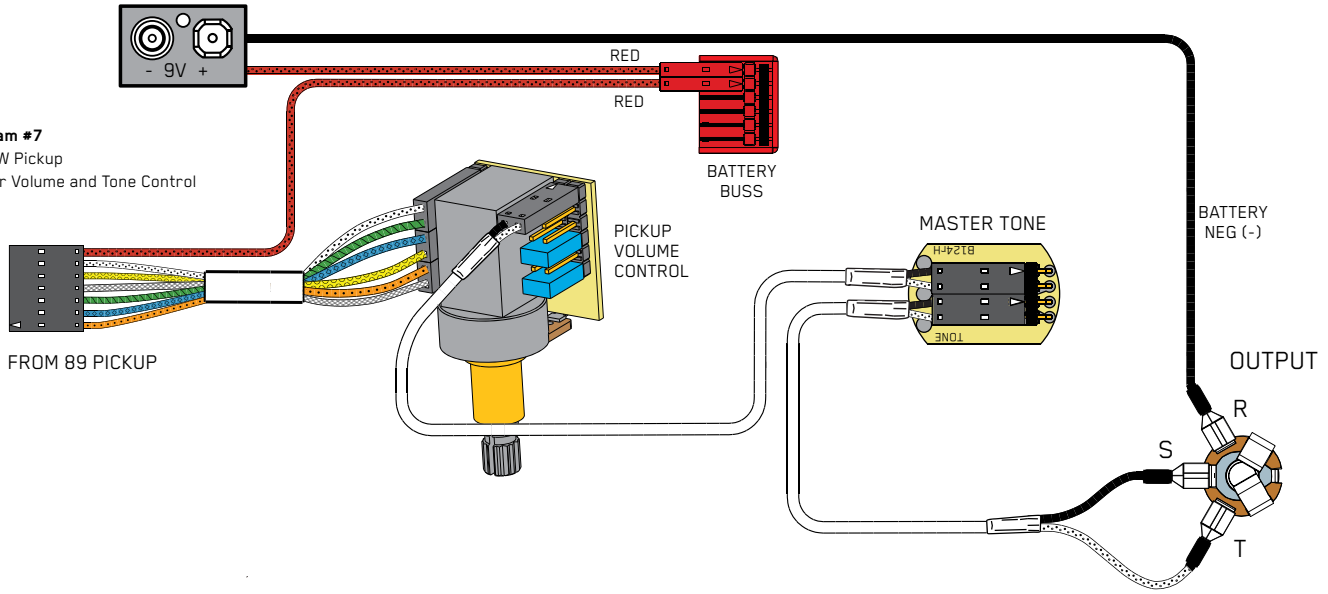


Diagram #8
Two TW Pickups
Volume/ Volume/Tone

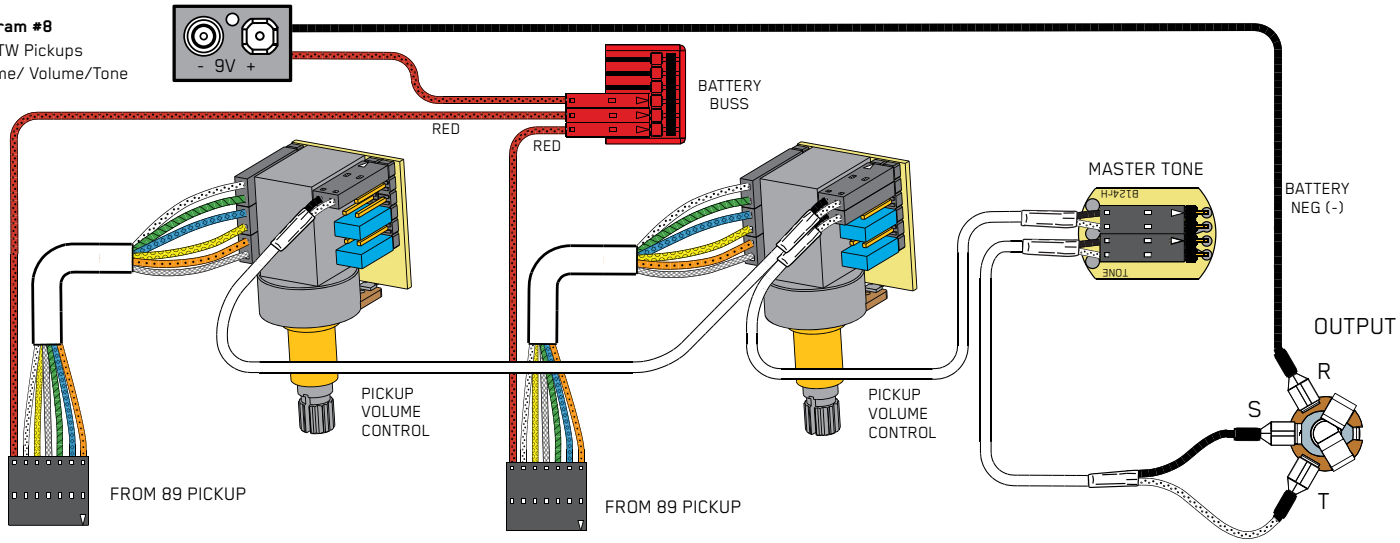


Diagram #9
2 Pickups (1 EMG + 1-89)
Toggle Style Select Switch
Push-Pull Pot as Master Volume
with a Master Tone (Passive)