

MAXIMUM RECOMMENDED STRING WIDTH 2.725" (69.2)
FOR BOTH SJ AND LJ PICKUPS



METALWORKS

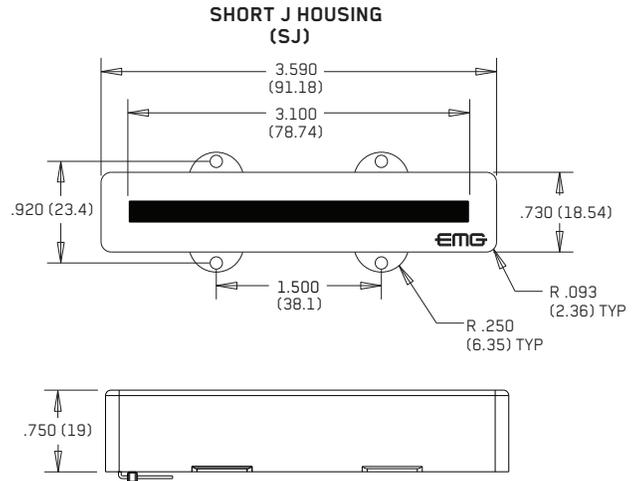
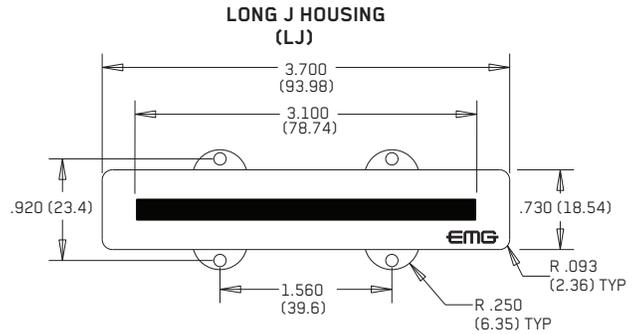
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INSTALLATION INFORMATION EMG MODELS: RT RIP TIDE SIGNATURE SET

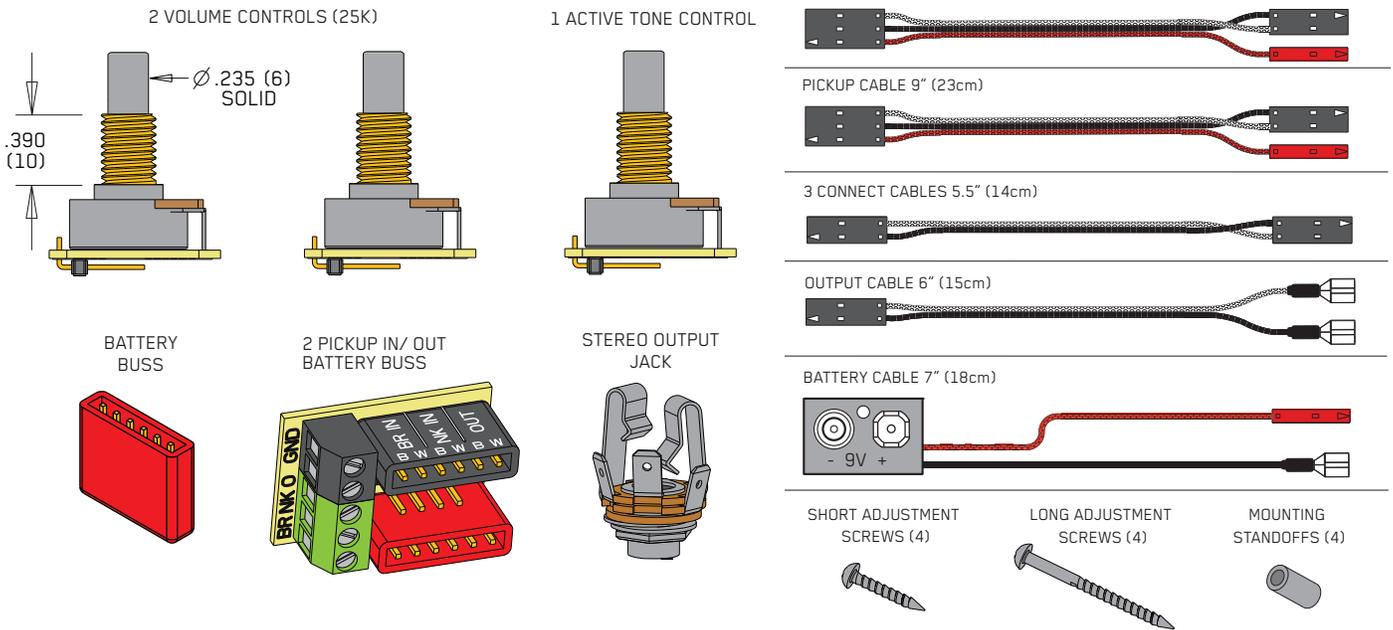
SPECIFICATIONS:	MODEL:
Logo Color	J
Magnet Type	Laser
Resonant Frequency (KHz)	Ceramic
Output Voltage (String)	3.95
Output Voltage (Thump)	2.00
Output Noise (60 Hz)	4.50
Output Impedance (Kohm)	-101
Current @9V (Microamps)	10
Battery Life (Hours)	80
Maximum Supply (Volts DC)	1000
	27



PICKUP AND MAGNET DIMENSIONS:

The shorter housing (SJ) is for the neck pickup, while the longer housing (LJ) is for the bridge pickup. Each of the housings also have different mounting hole distances. Both SJ and LJ housings can work with both 4 and 5-string instruments, but you should check the width of your strings against the magnet dimensions above to make sure there is sufficient string coverage. A rule of thumb for any pickup is that the total magnet width should be the string width plus twice the distance the pickup is from the strings. So, if the pickup is 3/16" (5mm) from the strings, with a magnet width of 3.10" (78mm) the maximum string width would be 2.72" (69mm).

INCLUDED WITH EACH SET:



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 upon examination the pickup is determined to be defective, a replacement will be made. 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.

Installation Instructions:

EMG Models: ROBERT TRUJILLO RIP TIDE SET

General Notes:

- Every attempt has been made to make this a solderless installation. There are some instances where this is not possible;
- 1) If your instrument uses the long panel output jack and you had passive pickups you will need a new stereo output jack, the Switchcraft 152B is recommended. Soldering to the new jack will be required, see Diagram #5 on page 3.
 - 2) Power supply tips are on page 4. If your instrument has a battery holder, you are installing this pickup with an older EMG, or you want to supply your instrument with +18 Volts, see page 4 for tips to avoid soldering.

NOTE: EMG Metal Works Pickups may be direct mounted with either short or long adjustment screws, depending on what works best for your instrument.

See Diagram #6 on page 3 for instructions on using the included mounting standoffs with long screws.

Installation Instructions:

**2 Pickups, 2 Volume controls and Master Tone, no selection switch
J-Bass Style wiring (Refer to Diagram #2)**

- 1) Install the pickups and route the pickup cables to the control cavity. If the cables are too long, keep any excess under the pickup.
- 2) Mount the Volume and Tone controls into the body / pickguard. Plug the Neck Pickup Cable onto the Neck Volume Control. Plug the Bridge Pickup Cable onto the Bridge Volume Control.
- 3) Plug a connect cable from the Neck Volume to the Bridge Volume Control.
- 4) Plug a connect cable from the Bridge Volume Control to the Master Tone Control.
- 5) Plug the output cable onto the Master Tone control and connect the output wires to the output jack by pushing the connectors on as shown. WHITE wire onto the TIP (T) contact, BLACK wire onto the SLEEVE (S) contact, BLACK battery negative wire onto the RING (R) contact.
- 6) Plug the RED Wires of the pickups onto the V+ Supply Buss (RED Shroud) along with the RED of the battery clip. Extra pins on the V+ Supply Buss are for EMG Accessories.
- 7) Wrap the battery in a piece of insulating foam and place it securely in the control cavity. We suggest that you plug in the instrument and test it before closing the control cavity.

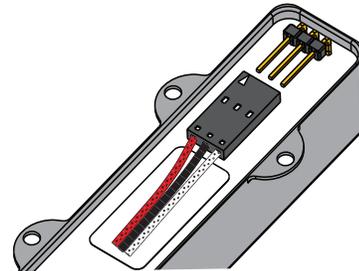


Diagram #1
Insert the plug onto the 3 pin header of the pickup as shown above. Note the orientation arrow.

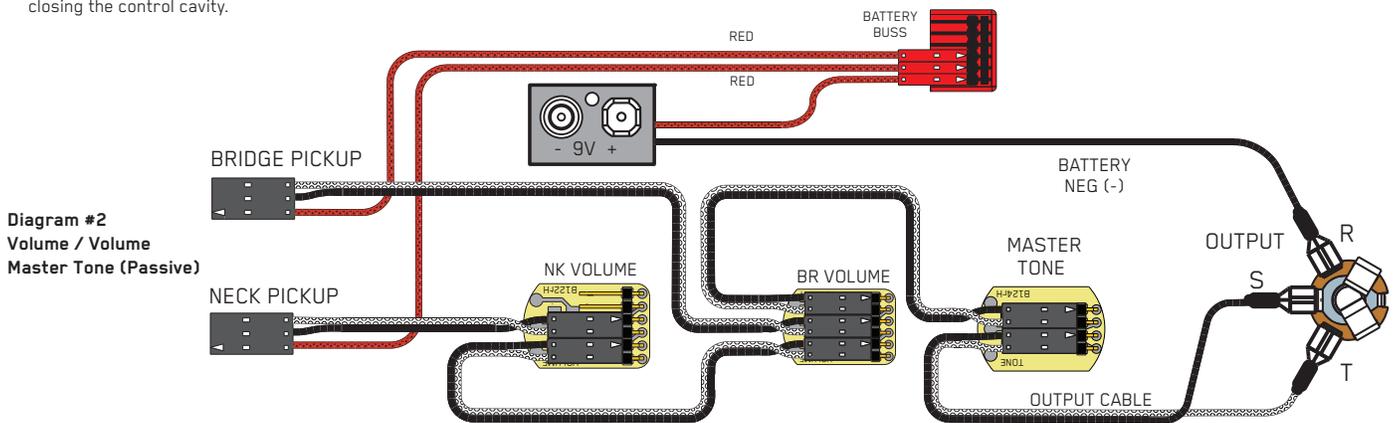
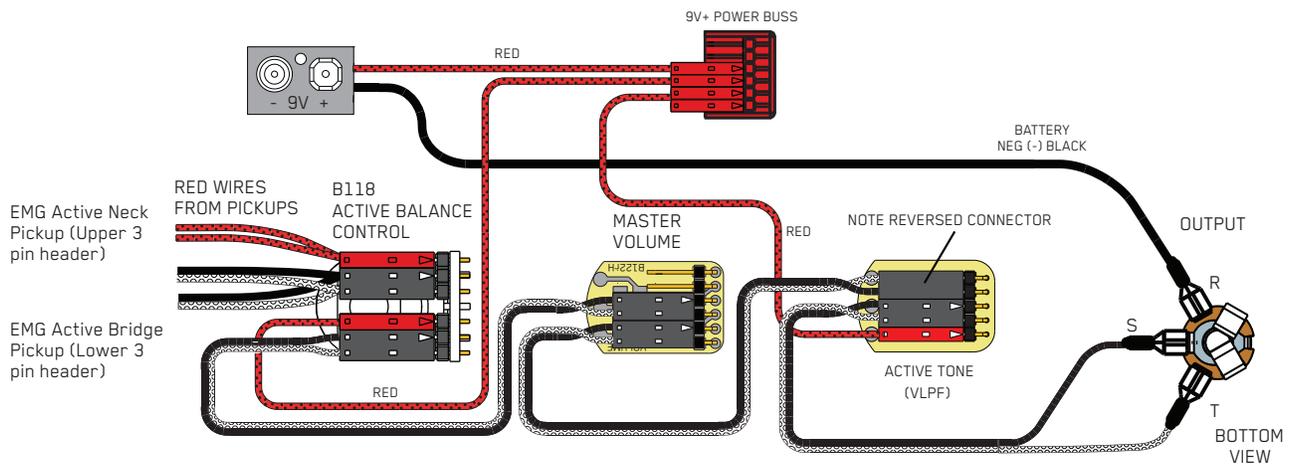
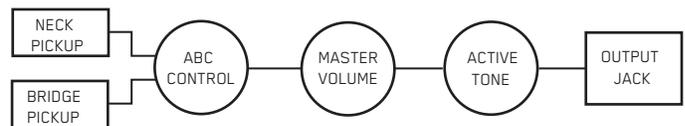


Diagram #2
Volume / Volume
Master Tone (Passive)

**Diagram #3 (preferred wiring order)
B125 Active Balance Control
Active Tone / Master Volume**

This installation can be used for instruments with 3 control positions like the diagram above, but use a Balance control instead of 2 Volume controls. The Active Tone Control shown in this diagram can be replaced with the EMG-EXB Expander, or the EMG-BTC Control (Active Bass and Treble EQ).



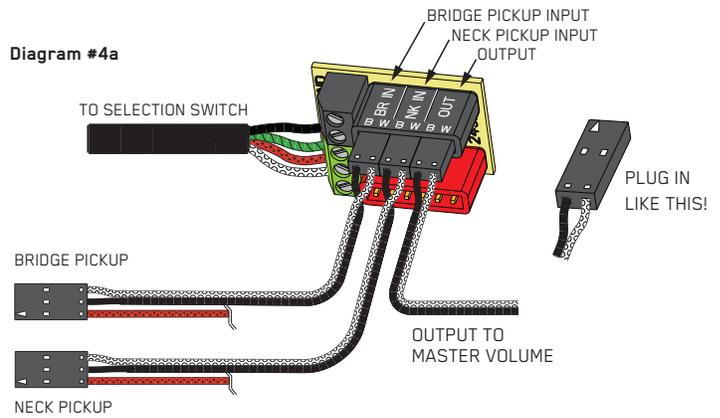
Installation Instructions:

EMG Models: ROBERT TRUJILLO RIP TIDE SET

If your instrument has a selection switch:

Shown at the right is the EMG B245 Pickup Buss which is used for instruments that have 2 pickups and a 3 position selection switch. If you have a selection switch and want your installation to remain solderless, you'll need a B245 Buss.

- 1) Install the Pickups and route the Pickup cables to the control cavity.
If the cables are too long, wind up the excess and keep it under the pickup.
- 2) Mount the Volume and Tone controls into the body.
Plug both Pickup cables onto the Pickup Buss (BLACK Shroud) as shown, Refer to Diagram #4a
Bridge Pickup to position 1
Neck Pickup to position 2.
- 3) Plug a connect cable from the Pickup Buss (position 3) to the Master Volume control as shown in Diagram #4b.
- 4) Plug a connect cable from the Master Volume to the Master Tone as shown.
- 5) Strip the insulation from the switch wires and Insert them into the GREEN Terminal Block and tighten the screws with a small screwdriver.
The Bridge pickup goes to the BR Terminal
The Neck pickup goes to the NK Terminal
The Output of the switch goes to the O Terminal
If there is a ground wire coming from the switch, insert it into one of the black terminals on the terminal block.
- 6) Plug the output cable onto the Master Tone control and connect the output wires to the output jack by pushing the connectors on as shown.
WHITE wire onto the TIP (T) contact,
BLACK wire onto the SLEEVE (S) contact
BLACK battery negative wire onto the RING (R) contact.



- 7) Plug the RED Wires of the pickups onto the V+ Supply Buss (RED Shroud) along with the RED of the battery clip.
Extra pins on the V+ Supply Buss are for EMG Accessories.
- 8) Put the battery in the insulating foam piece and place it securely in the control cavity.
We suggest that you plug in the instrument and test it before closing the control cavity.

Diagram #4b
2 Pickups
Toggle Style Select Switch
Master Volume & Master Tone

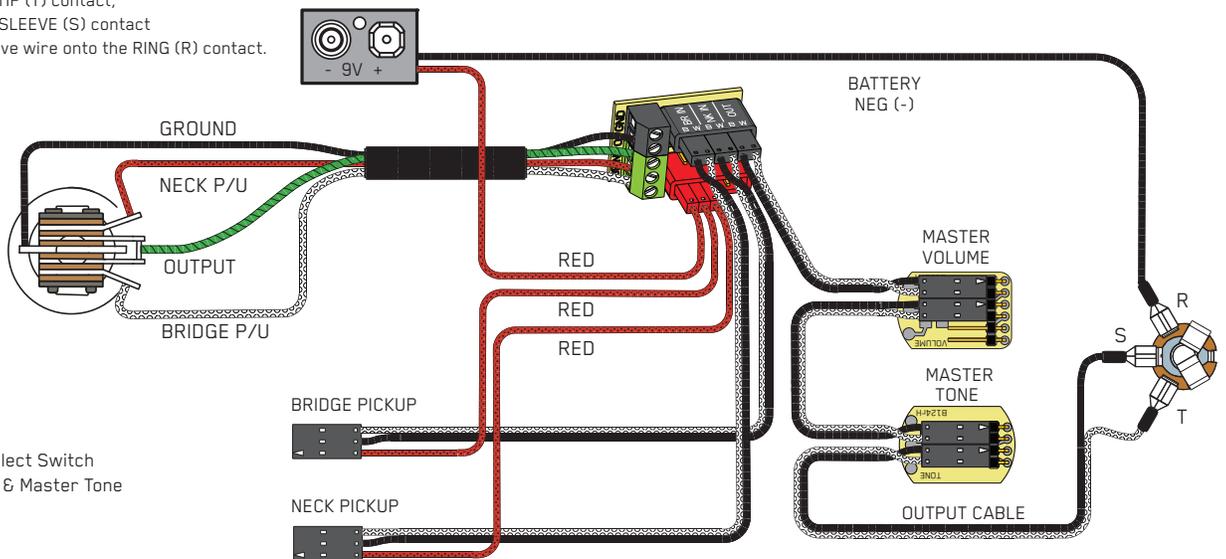


Diagram #5

Soldering to the 152B Panel Jack:

If your instrument has a long Panel Jack like the one below you will have to solder the output cable as shown.
Ground (Black) to the sleeve
Signal (White) to the Tip
Battery Negative (Black) to the Ring

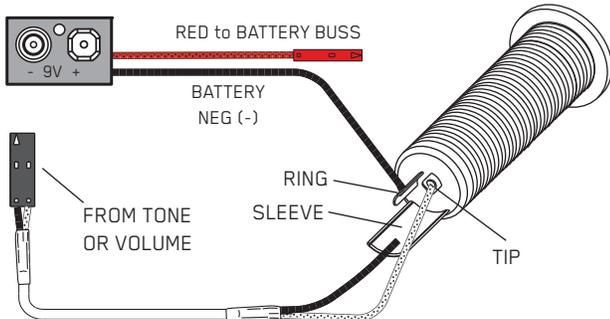
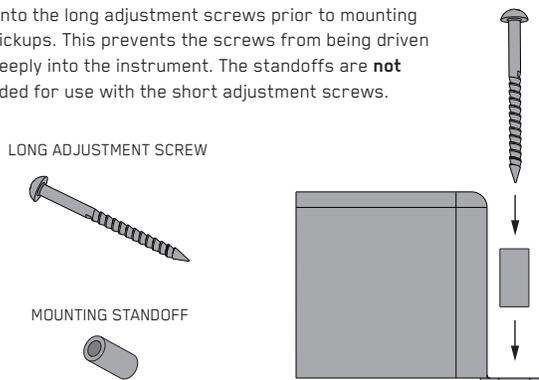


Diagram #6

Installation with Mounting Standoffs:

The included mounting standoffs may assist in the pickup installation process for certain instruments. The standoffs slip onto the long adjustment screws prior to mounting the pickups. This prevents the screws from being driven too deeply into the instrument. The standoffs are **not** intended for use with the short adjustment screws.



2 Pickups / Toggle Select Switch / 2 Volumes and 2 Tones

Refer to Diagram #7

- 1) Install the Pickups and route the cables to the control cavity.
If the cables are too long, wind up the excess and keep it under the pickup.
- 2) Mount the Volume and Tone controls into the body
Plug both Neck and Bridge pickup cables onto the Volume Controls as shown.
Plug a connect cable from the Bridge (BR) Volume control to the Pickup Buss (Position 1).
Plug a connect cable from the Neck (NK) Volume control to the Pickup Buss (Position 2).
- 3) Plug a connect cable from the Bridge (BR) Volume control to the Bridge (BR) Tone control as shown.
- 4) Plug a connect cable from the Neck (NK) Volume control to the Neck (NK) Tone control as shown.
- 5) Strip the insulation from the switch wires and Insert them into the GREEN Terminal Block and tighten the screws with a small screwdriver.
The Bridge pickup goes to the BR Terminal
The Neck Pickup goes to the NK Terminal
The Output of the switch goes to the O Terminal
If there is a ground wire coming from the switch, insert it into one of the black terminals on the terminal block.
- 6) Plug the output cable onto the Pickup Buss (Position 3) and push the connectors onto the jack as shown.
WHITE wire onto the TIP (T) contact,
BLACK wire onto the SLEEVE (S) contact
BLACK Battery Negative wire onto the RING (R) contact.
- 7) Plug the RED Wires of the pickups onto the V+ Supply Buss (RED Shroud) along with the RED of the battery clip. Extra pins are for EMG Accessories.
- 8) Wrap the battery in a piece of insulating foam and place it securely in the control cavity. We suggest that you plug in the instrument and test it before closing the control cavity.

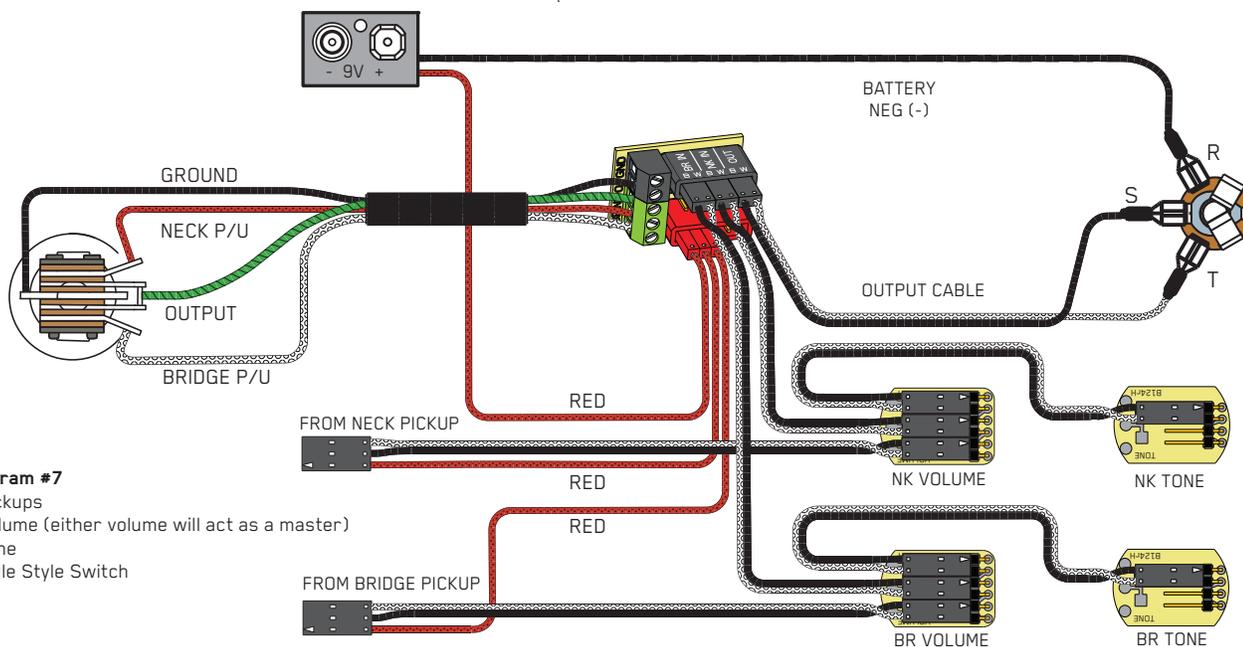


Diagram #7

2 Pickups
2 Volume (either volume will act as a master)
2 Tone
Toggle Style Switch

Diagram #8

If the instrument has a Battery Holder:

If your instrument has a 9 or 18 Volt battery holder you can still use the EMG Connectors to supply power to the pickups. Simply cut and strip the wires from the battery clip provided. Twist the wires together (Red to Red and Black to Black) and use the shrink tubing included to cover the connections. Soldering the wires is recommended.

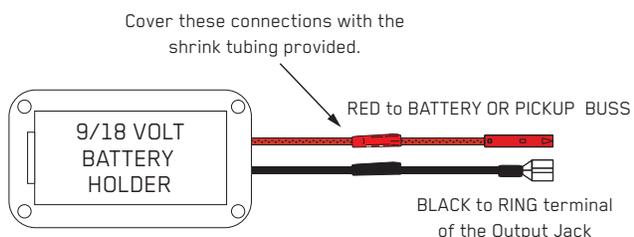


Diagram #9

+18 Volt Wiring Option:

If you want to operate your instrument at +18 Volts for more headroom then use 2 batteries wired as below. Also, if you are using any type of EQ in your instrument (EMG-BT, BQ) or anything that boosts the pickup signal then +18 Volts is recommended.

