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INSTALLATION INFORMATION

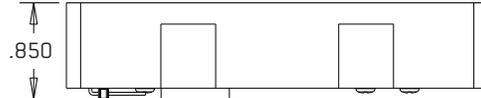
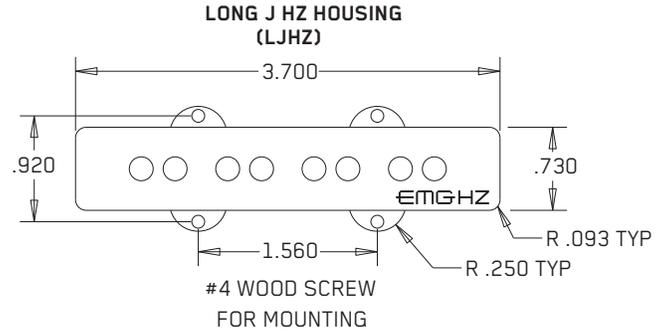
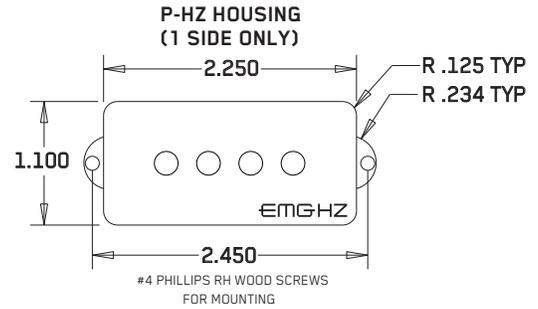
EMG MODEL: PJ-HZ SET GZR MODEL (4-STRING)

SPECIFICATIONS

SPECIFICATIONS	MODEL:
Logo Color	PJ-HZ SET
Magnet Type	Gold
Inductance (Henries)	Alnico 5
DC Resistance (kOhm)	3.85
Resonant Frequency (KHz) (1)	9.58
Resonant Frequency (KHz) (2)	2.26
Impedance at Resonance (kOhm) (1)	3.00
	54.64

(1) Loaded with 500K Volume and Tone
and 20' (6M) 560pf cable

(2) Loaded with 1 MegOhm / 47pf



INSTALLATION NOTES:

As you can see from the diagrams above, the J-HZ Set pickups are two different lengths. The Neck Pickup (SJ) is shorter than the Bridge Pickup (LJ). It's common to use the longer bridge pickup when mixing with a P Style Pickup because the pole pieces of the bridge pickup are spaced further apart. All EMG-HZ Pickups are compatible with each other. The connector system is an easy method of installation, avoiding the need to solder. EMG Accessory Circuits like the VLPF, EXB, BTC or BQC Controls can be added to any EMG Pickup System, all have buffered inputs and can be used on either passive or active pickups. The B157 Buss included with the set will be used on instruments that use a selection switch.

If your installation is passive only and doesn't require a battery the RED V+ port of the Buss will not be used.

If you decide to add active circuitry the B157 Buss can power as many as 5 accessories. There are many EMG Accessories that can be added to your instrument easily. Go to <http://www.emgpickups.com>.

It is common to ground (earth) the strings of an instrument that uses passive pickups. This means there will be a wire coming from the bridge into the control cavity that will be hooked to one of the pots. Included with the system is a single black wire with a connector on it and an IDC connector that will attach to the existing ground wire and will provide the ground (earth) connection.

Each Pickup Includes:

- 1 ea Pickup cable
- 2 ea 500K Pots with quick-connect solderless connectors
- 1 ea B157 Pickup Buss
- 1 ea Black wire with connector (ground)
- 1 ea IDC Bridge ground connector
- 1 ea #11 1/4 inch Phone Jack
- 4 ea Adjustment screws

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: J-HZ 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, soldering will be required
 - 2) Instruments with two pickups may need soldering to the selection switch in some installations.

Installation

- 1) Diagrams #1 and #1a show how to install the pickup cable onto the back of the pickup. It's a good idea to keep an extra length of cable in the pickup cavity if possible. Route the cables to the control cavity. Diagram #2 shows the color code of the cable, be sure to pay attention to the colors when you are installing the pickup and interconnect cables.
- 2) The most common method of wiring J Bass Pickups is using the Volume/Volume/Tone arrangement shown in Diagram #3. If your guitar is wired in the same fashion, simply follow the diagram and install the cables as shown.
- 3) If your instrument has a selection switch or the wiring is different, refer to the other included diagrams on this sheet, or you can visit our website; emgpickups.com for more diagrams and video installations.

Diagram #1

Insert the plug onto the 2 pin header of the pickup as shown above. Note the orientation arrow.

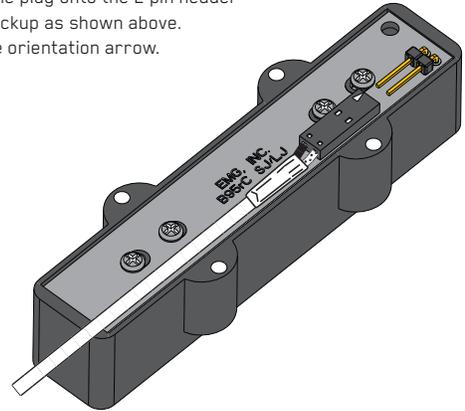
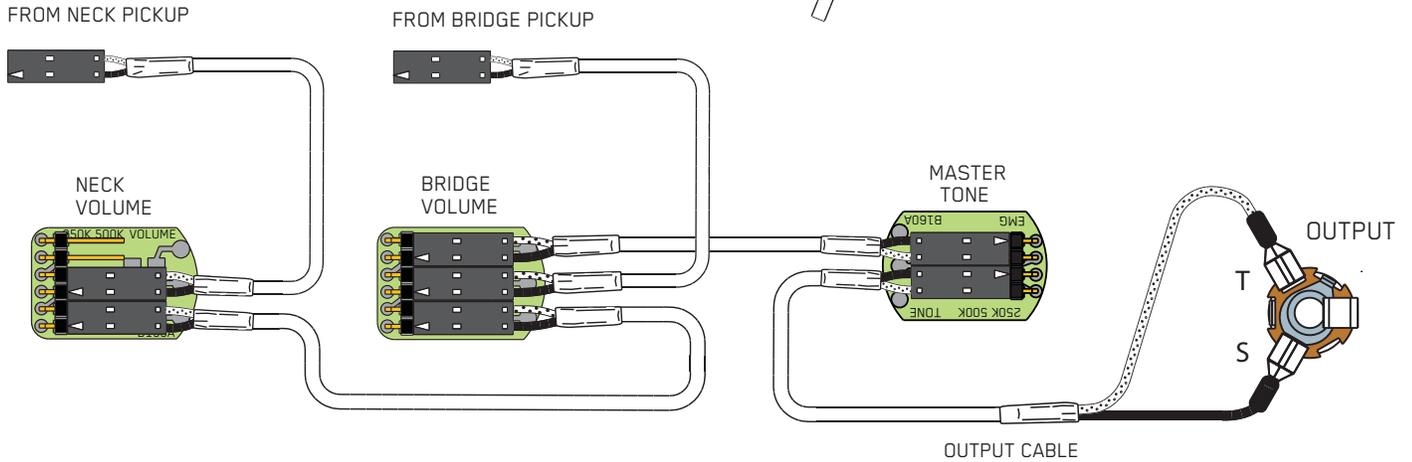
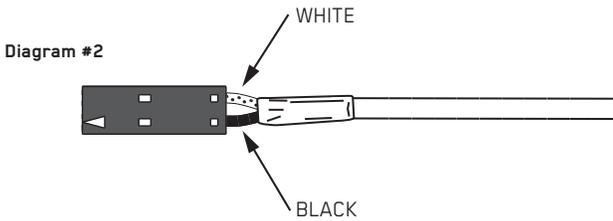
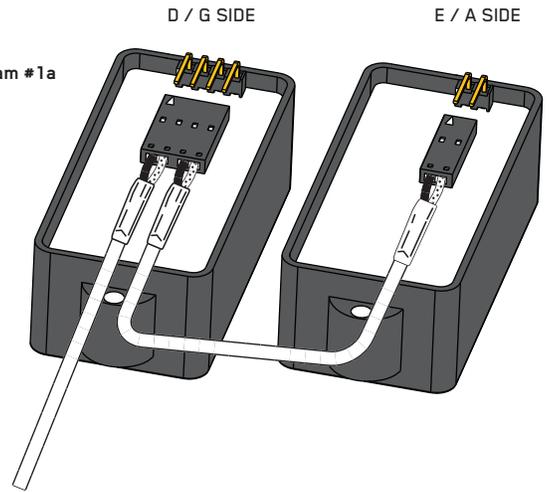


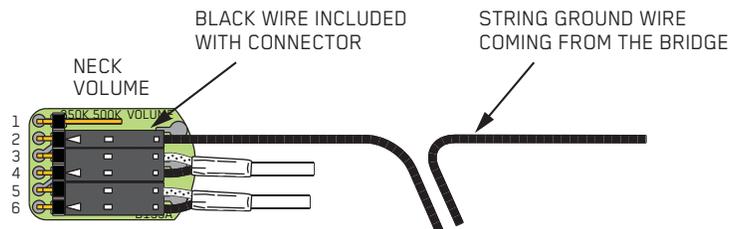
Diagram #1a



Attaching the bridge ground wire

2) Refer to Diagram #4.

As mentioned on page 1, it is common to "ground" (earth) the strings on guitars that use passive pickups. Included with the system is a black wire with a single black connector attached. Also included is an IDC connector for connecting the two wires together. Insert the bridge ground wire, and the connector wire into the IDC connector, press the connector until it snaps and this will connect the two wires. It's not necessary to strip the insulation from the wires. Push the black connector onto terminal 2 of the volume control as shown in the diagram. This will ground the strings to the system.



Installation Instructions:

EMG Models: PJ-HZ

Installation (Two Pickup Guitars with Selection switch):

Guitars with two pickups and a selection switch will use the EMG B157 Pickup Buss. The Pickup Buss is a convenient way to wire your guitar without soldering. There is a separate sheet attached to these instructions that describes the Pickup Buss in detail. Since you are installing passive EMG-HZ Pickups the RED Shroud of the B157 Pickups Buss will not be used. It is for battery power. In all installations it's best to find a place to mount the Pickup Buss in the control cavity before starting. Then, after the cables are routed use the velcro to mount it securely.

2 Pickups / Toggle Select Switch / Master Volume and Tone

- 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 #6a
Bridge Pickup to Position 1
Neck Pickup to Position 2.
- 3) Plug a coax cable from the Pickup Buss (Position 3) to the Master Volume control as shown in Diagram #6b.
- 4) Plug a coax 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,

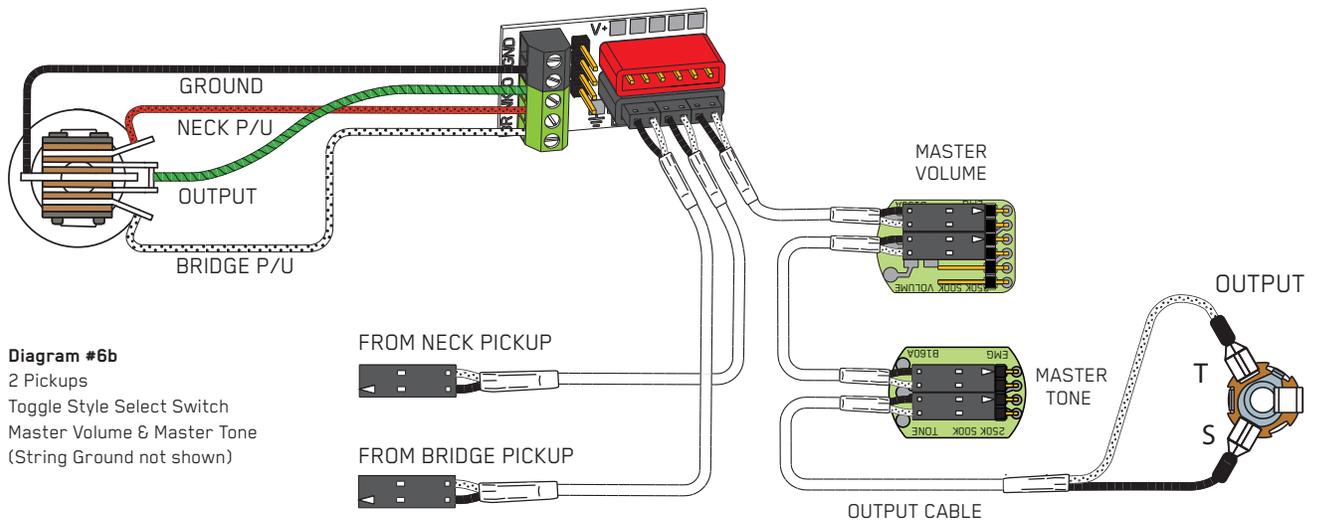
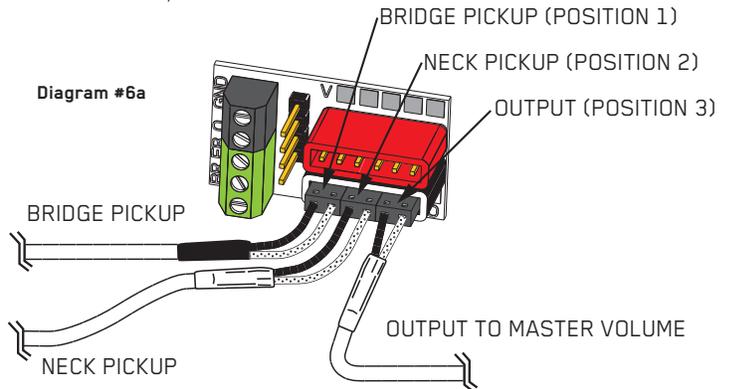
****Tips and Tricks****

Start your installation by:

- 1) Remove the strings
- 2) Remove any existing Pickups and controls
(remember the order and function of each control)
- 3) Determine a good spot for the Pickup Buss and make sure the cable or wires from the selection switch will reach the Pickup Buss,
- 4) Install the EMG Volume and Tone Controls and tighten them in.
- 5) Then install the pickups keeping any excess cable under the pickup rather than in the control cavity.

BLACK wire onto the SLEEVE (S) contact

We suggest that you plug in the instrument and test it before closing the control cavity.



2 Pickups / Toggle Select Switch / 2 Volumes and Master Tone

Refer to Diagram #7 (Next Page)

- 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 Volume controls as shown.
Plug a coax cable from the Bridge Volume control to the Pickup Buss (Position 1)
Plug a coax cable from the Neck Volume control to the Pickup Buss (Position 2)
- 3) Plug a coax cable from the Pickup Buss (Position 3) to the Master Tone control as shown.
- 4) 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.
- 5) Plug the output cable onto the Tone control and connect the 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
We suggest that you plug in the instrument and test it before closing the control cavity.

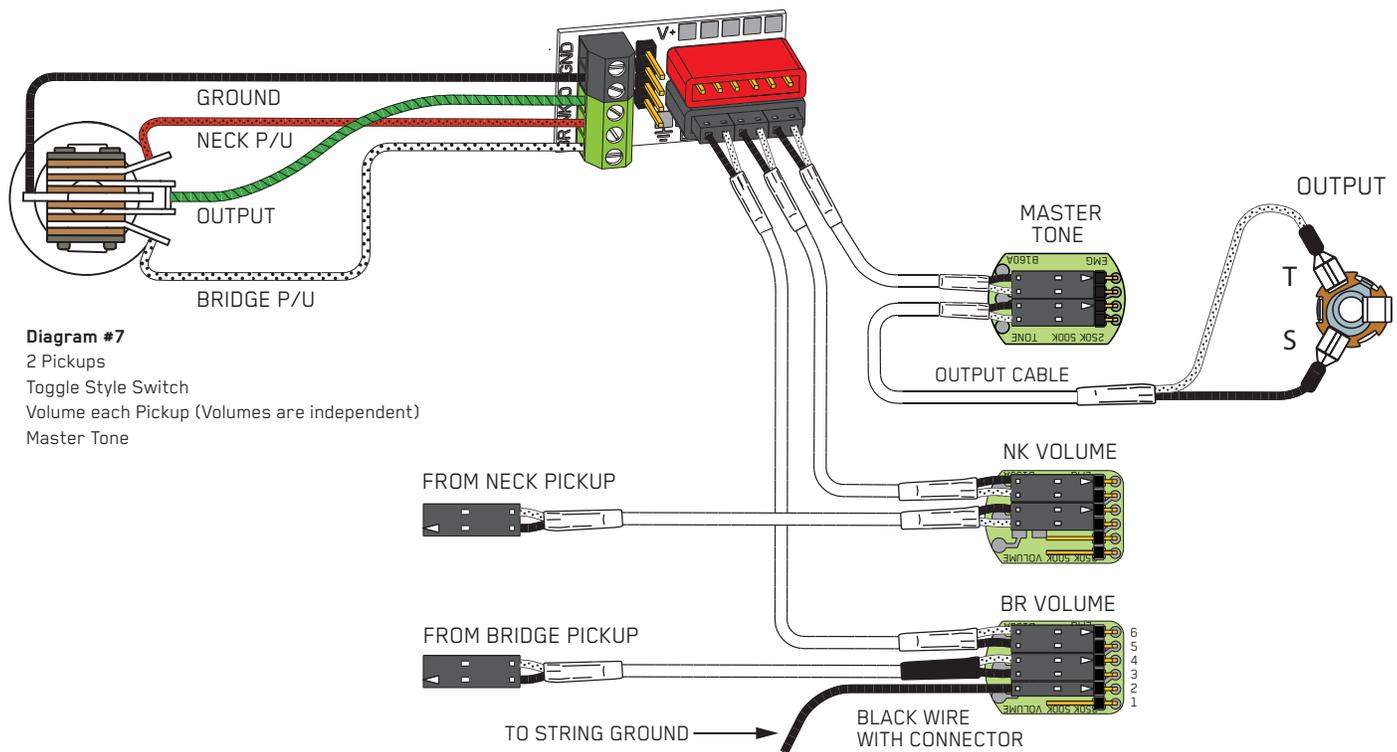


Diagram #7
 2 Pickups
 Toggle Style Switch
 Volume each Pickup (Volumes are independent)
 Master Tone

2 Pickups / Toggle Select Switch / 2 Volumes and 2 Tones)
 Refer to Diagram #8

- 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 coax cable from the Bridge (BR) Volume control to the Pickup Bus (Position 1).
 Plug a coax cable from the Neck (NK) Volume control to the Pickup Bus (Position 2).
- 3) Plug a coax cable from the Bridge (BR) Volume control to the Bridge (BR) Tone control as shown.
- 4) Plug a coax 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 Bus (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
 We suggest that you plug in the instrument and test it before closing the control cavity.

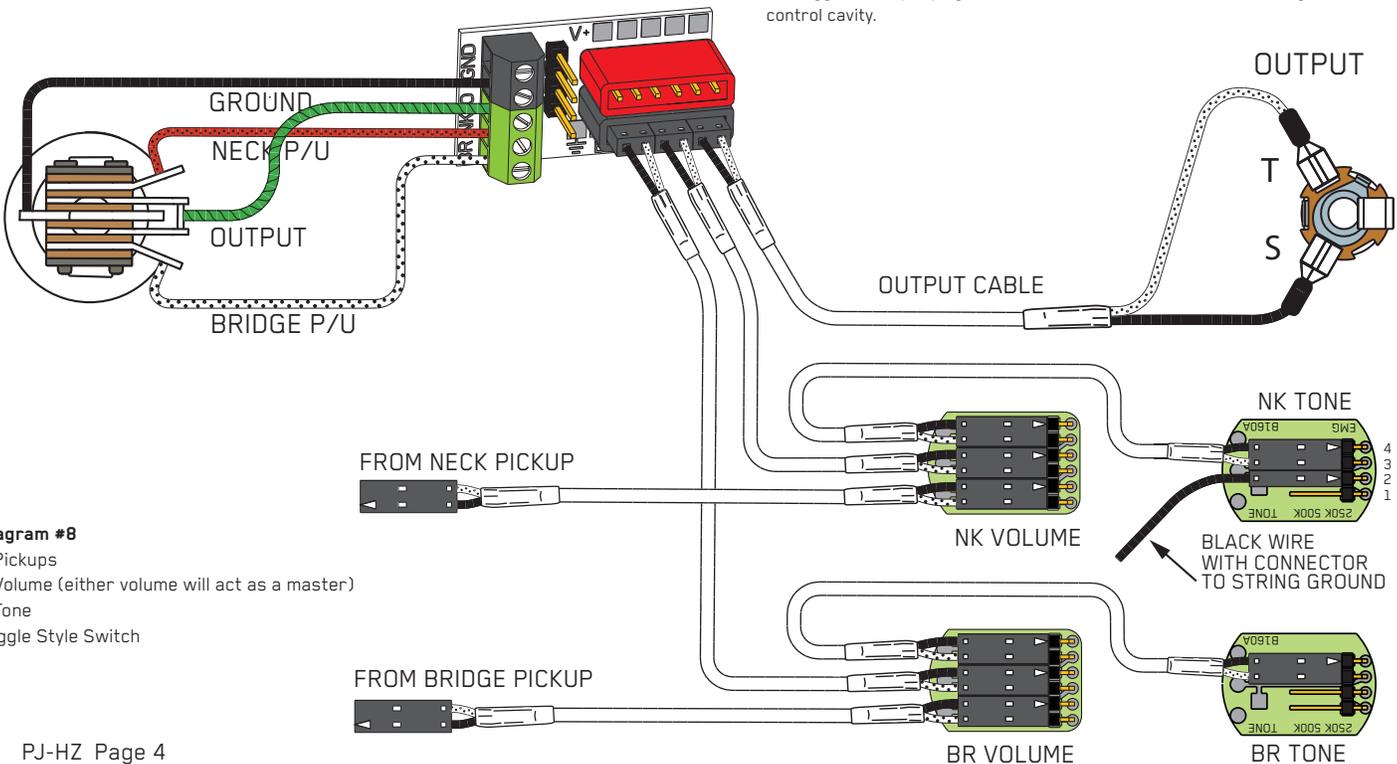


Diagram #8
 2 Pickups
 2 Volume (either volume will act as a master)
 2 Tone
 Toggle Style Switch