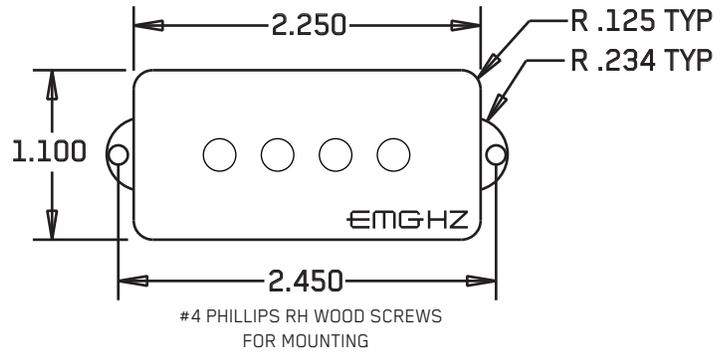


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## INSTALLATION INFORMATION

### EMG MODELS: P-HZ (GB MODEL)

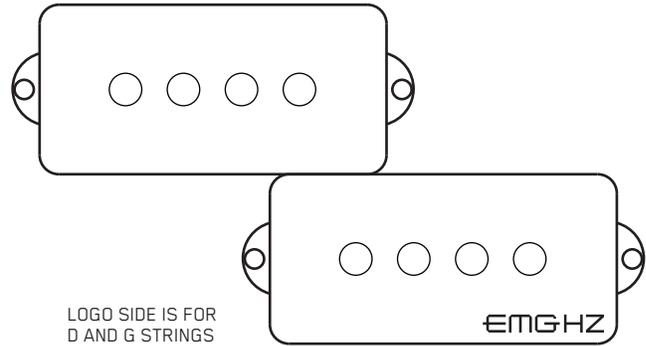
#### SPECIFICATIONS

Logo Color  
Magnet Type  
Inductance (Henries)  
DC Resistance (kOhm)  
Resonant Frequency (KHz) (1)  
Resonant Frequency (KHz) (2)  
Impedance at Resonance (kOhm) (1)

#### MODEL:

P-HZ  
Gold  
Alnico 5  
6.70  
12.83  
1.77  
2.36  
74.47

- (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 diagram above, the P Set consists of two pickups. Both pickups are identical in size and shape. Either can be used for the E/A Strings or the D/G Strings. The only difference between them is the connector on the bottom of the pickup. The pickup that features the EMG Logo is intended to be used under the D/G Strings so that the connector cable is long enough to get to the control cavity. The Pickup (SJ) is shorter than the Bridge Pickup (LJ).

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 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>.

#### IMPORTANT NOTE:

It is common practice to ground (earth) the strings of an instrument that uses passive pickups to reduce noise. 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 EMG-HZ 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: P-HZ**

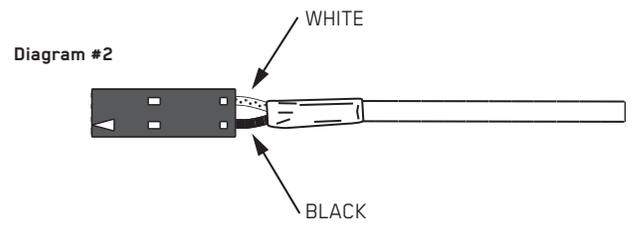
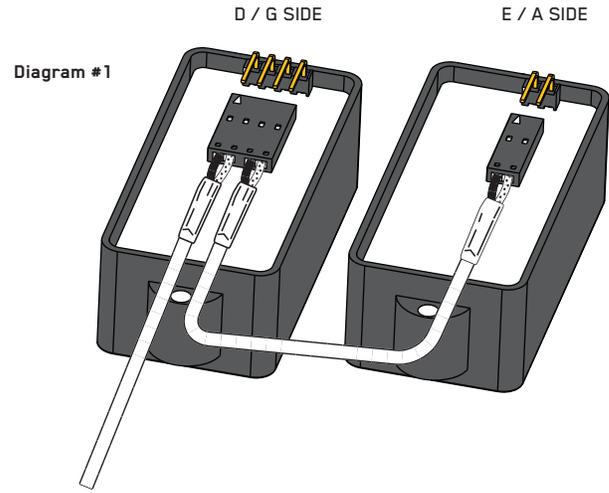
**General Notes:**

- 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.

If you are installing only one pickup use the instructions on this page. If you are installing two pickups go to page 3 and begin there.

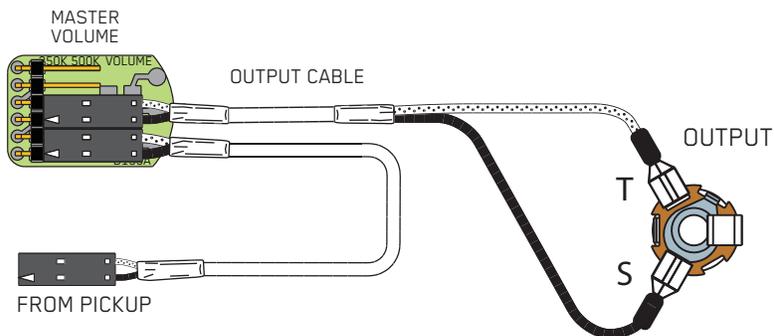
**Installation**

- 1) Diagram #1 shows how to install the pickup cable onto the back of the pickup. It's a good idea to keep any extra length of cable in the pickup cavity if possible. Route the cable 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) Diagram #3 shows an installation that has just a volume control, while diagram #4 shows the typical P Style installation with a master volume and master tone control.
- 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](http://emgpickups.com) for more diagrams and video installations.



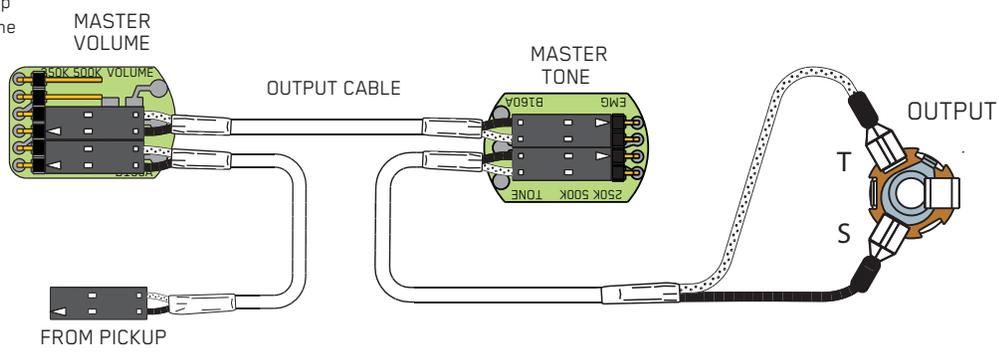
**Diagram #3**

One Pickup  
One Volume



**Diagram #4**

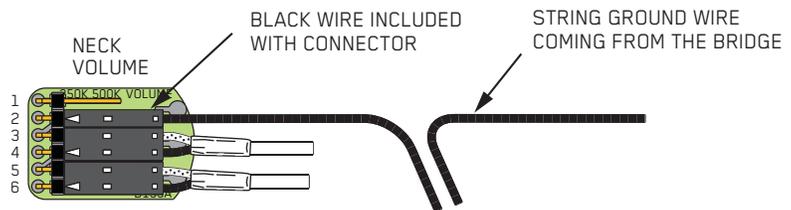
One Pickup  
One Volume  
One Tone



**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: P-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

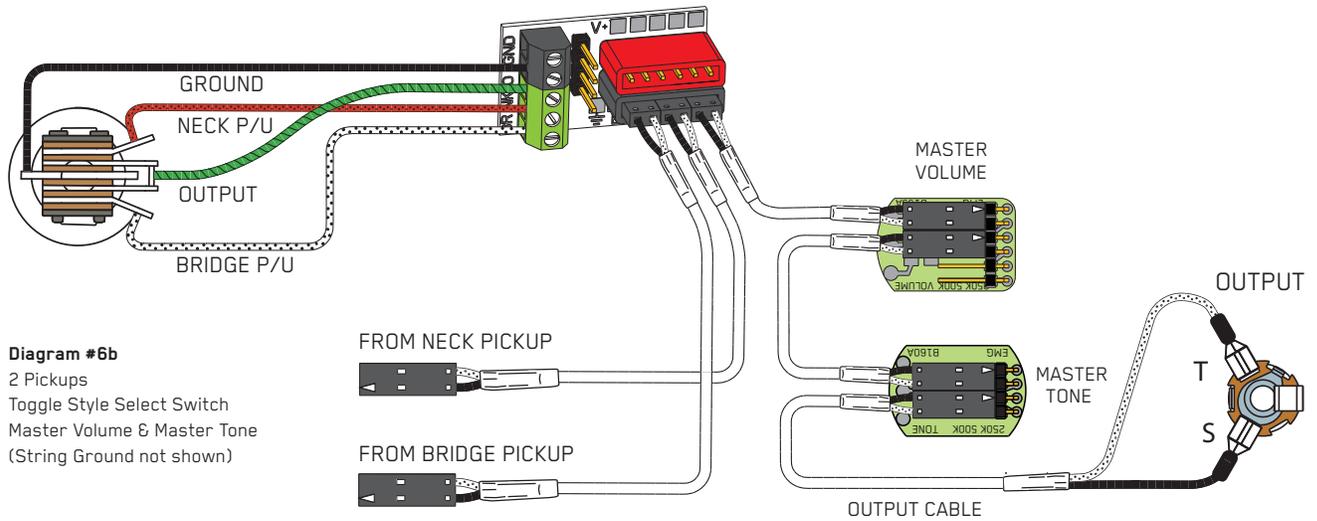
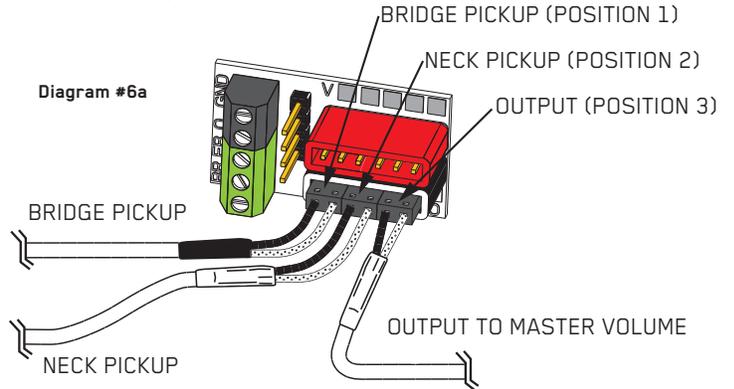
- 1) Install the Pickups and route the Pickup cables to the control cavity.  
If the cables are too long, wind up the excess and keep it under the pickup.
- 2) Mount the Volume and Tone controls into the body.  
Plug both Pickup cables onto the Pickup Buss (BLACK Shroud) as shown,  
**Refer to Diagram #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.

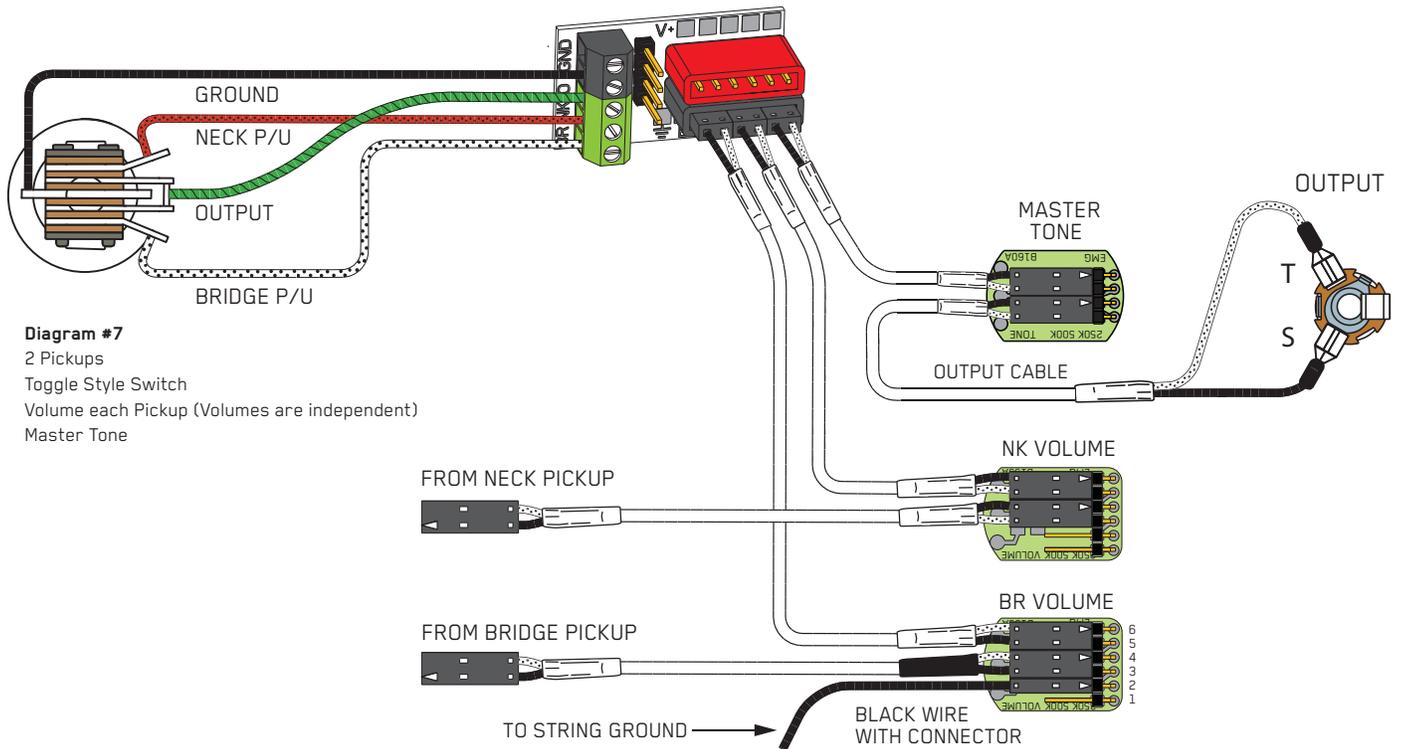


**Diagram #6b**  
2 Pickups  
Toggle Style Select Switch  
Master Volume & Master Tone  
(String Ground not shown)

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

##### Refer to Diagram #7 (Next Page)

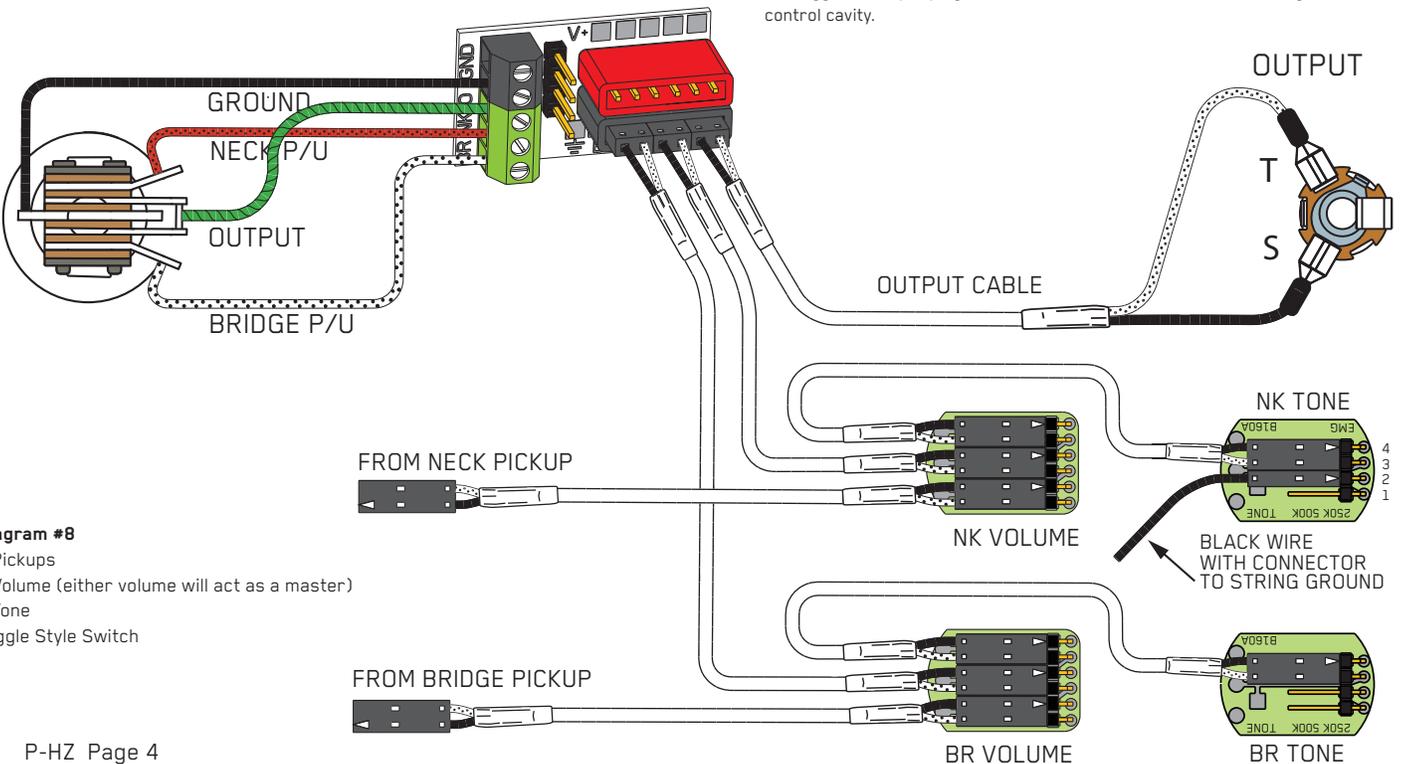
- 1) Install the Pickups and route the Pickup cables to the control cavity.  
If the cables are too long, wind up the excess and keep it under the pickup.
- 2) Mount the Volume and Tone controls into the body.  
Plug both pickup cables onto the Volume controls as shown.  
Plug a coax cable from the Bridge 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 Buss (Position 1).  
 Plug a coax cable from the Neck (NK) Volume control to the Pickup Buss (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 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  
 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