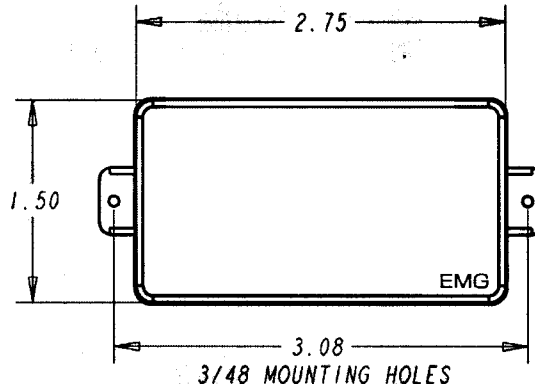


# EMG

P.O. BOX 4394  
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## INSTALLATION INFORMATION

EMG Models: EMG-H, HA, 60, 60A, 81, 85

### SPECIFICATIONS:

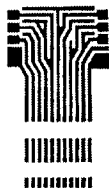
	H	HA
Logo Color	White	Gold
Resonant Frequency (KHz)	4.35	4.8
RMS Output Voltage	.60	0.8
Peak Output Voltage	1.70	1.10
Output Noise (dBV)	-90	-91
Output Impedance (Kohm)	10	10
Current@ 9V (Microamps)	80	80
Battery Life (Hours)	3000	3000
Maximum Supply (Volts DC)	27	27

### MODEL:

60	60A	81	85
Grey	Gold	Silver	Gold
3.10	4.8	2.25	2.55
1.0	0.8	1.25	1.0
3.0	1.10	3.55	3.0
-89	-91	-91	-89
10	10	10	10
80	80	80	80
3000	3000	3000	3000
27	27	27	27

### IMPORTANT INSTALLATION NOTES:

- 1) Only one battery is required for the pickups, and any active accessories such as the SPC, RPC, EXG, AB, PA-2, and Pi-2.
- 2) Use an Alkaline or Lithium battery for longest life.
- 3) The controls included with EMG Systems are 25K Ohm, Audio Taper. This value of control is required for the system to work correctly.
- 4) When installing EMG Pickups, DO NOT reconnect the bridge ground wire. This wire is usually soldered to a volume or tone control casing and goes to the bridge. This wire grounds the strings and uses them and your body as a shield against hum and buzz. It also creates a shock hazard. EMG Pickups are shielded internally and DO NOT require string grounding. This greatly reduces the possibility of reverse polarity shock from microphones and other equipment
- 5) EMG Active Pickups have very little magnetism compared to passive pickups. We recommend you adjust the pickups as close to the strings as possible. Sustain and string movement will not be inhibited by close adjustment.
- 6) If your installation is different from the diagrams in these instructions or you need additional diagrams visit our website: [emgpickups.com](http://emgpickups.com) for a complete listing of available diagrams.



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### 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.

## Installation Procedure for Models EMG-H, 60, 81, 85:

Refer to the following diagrams. Find the diagram of the volume, tone configuration you want in your guitar and follow that diagram. It is recommended that if you plan to install other EMG Products, that you do the installation per the diagram on the reverse side and get the system functioning before adding any accessories.

With dual-pickup installations it may not be necessary to rewire the selection switch. Often the wires coming from the volume controls, and the wires going to the jack are all within a shielded cable. If this is so, simply compare the wires on the selection switch (usually color-coded) and solder them to the appropriate volume control and to the jack.

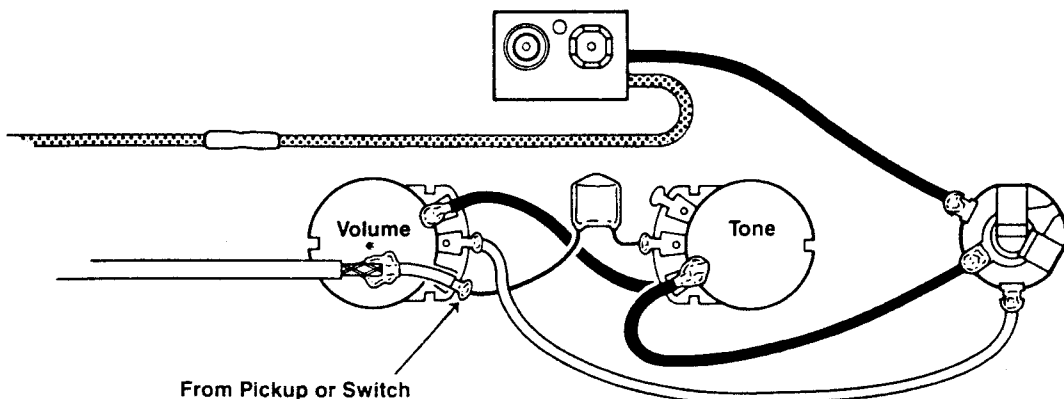
- 1) Disconnect the existing pickup from its volume and tone control.
- 2) Disconnect any existing selection switch wire(s) from its volume and tone control.
- 3) Remove the pickup and the volume and tone control. Place the EMG Volume and Tone Control in the instru-

ment. Mount the pickup in the mounting ring and install it routing the cable to the control cavity.

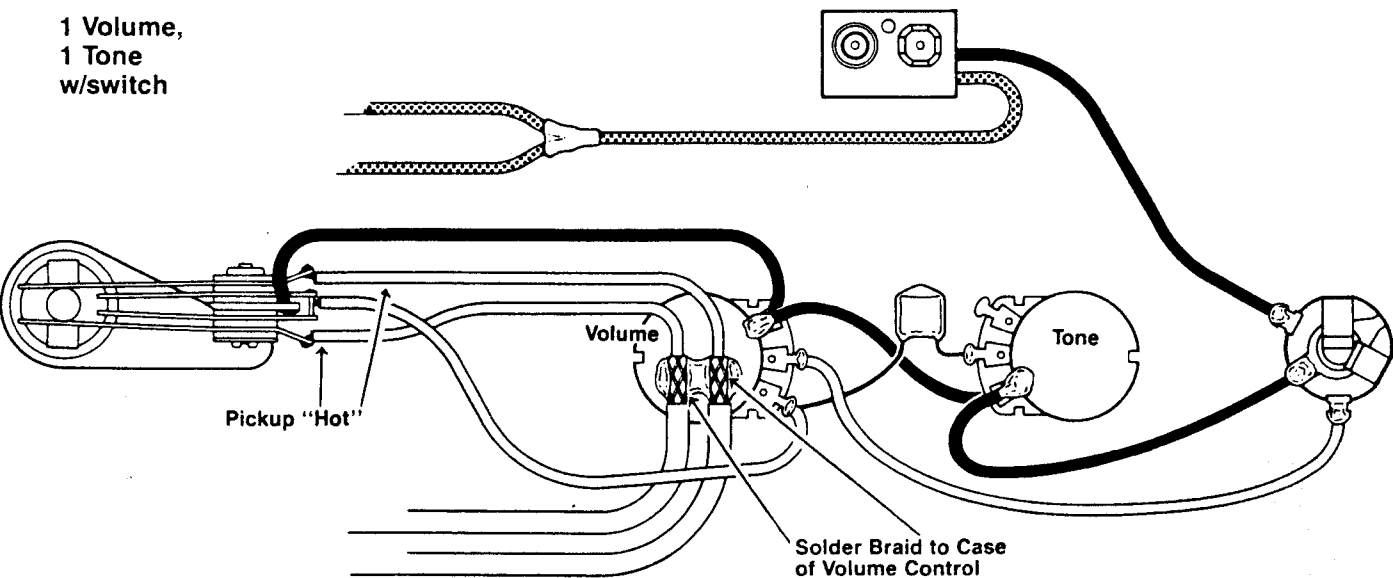
- 4) Connect the pickup to the volume control as shown in the diagram, and connect the switch wires as shown.
- 5) For two-pickup guitars, follow steps 1-4 before continuing.
- 6) Remove the existing output jack and replace it with the EMG Output Jack. Solder the output wire to the jack as shown in the diagram.
- 7) Solder the RED wire(s) of the pickup(s) to the RED wire of the battery clip and cover the connection with the heat-shrink tubing provided.
- 8) Use some of the packaging foam that comes with the pickup and surround the battery to insulate it. Place the battery in the control cavity.
- 9) We suggest you test the guitar before closing up the control cavity to make sure everything is working.

**Be sure to unplug your guitar when not in use to avoid current drain on the battery.**

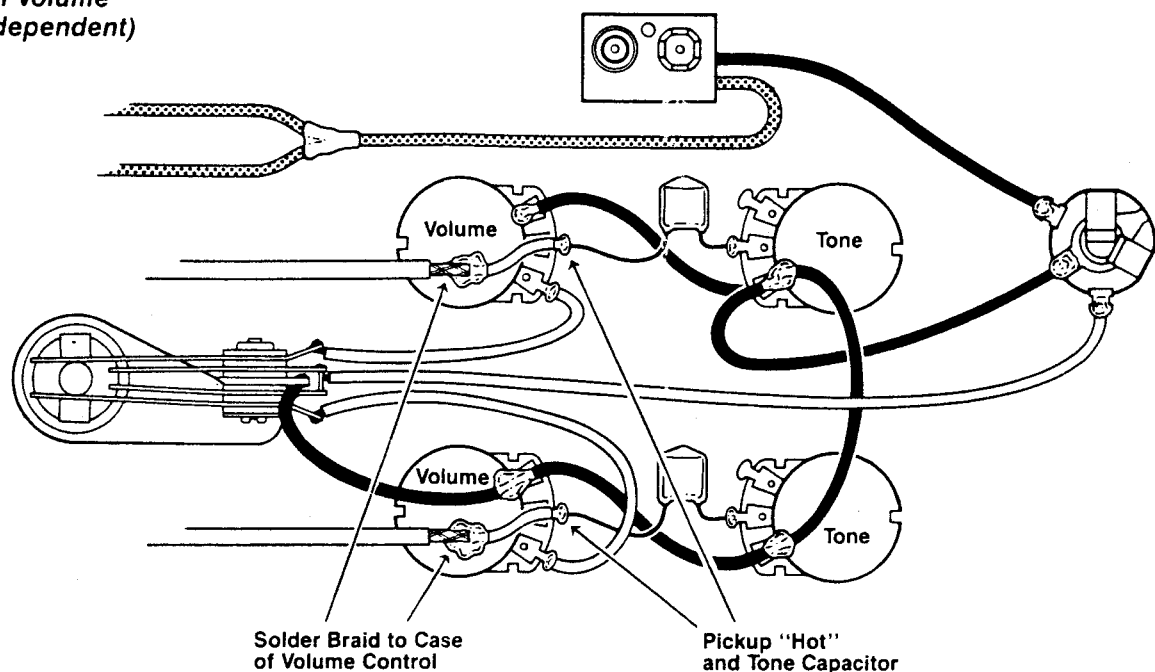
1 Volume,  
1 Tone



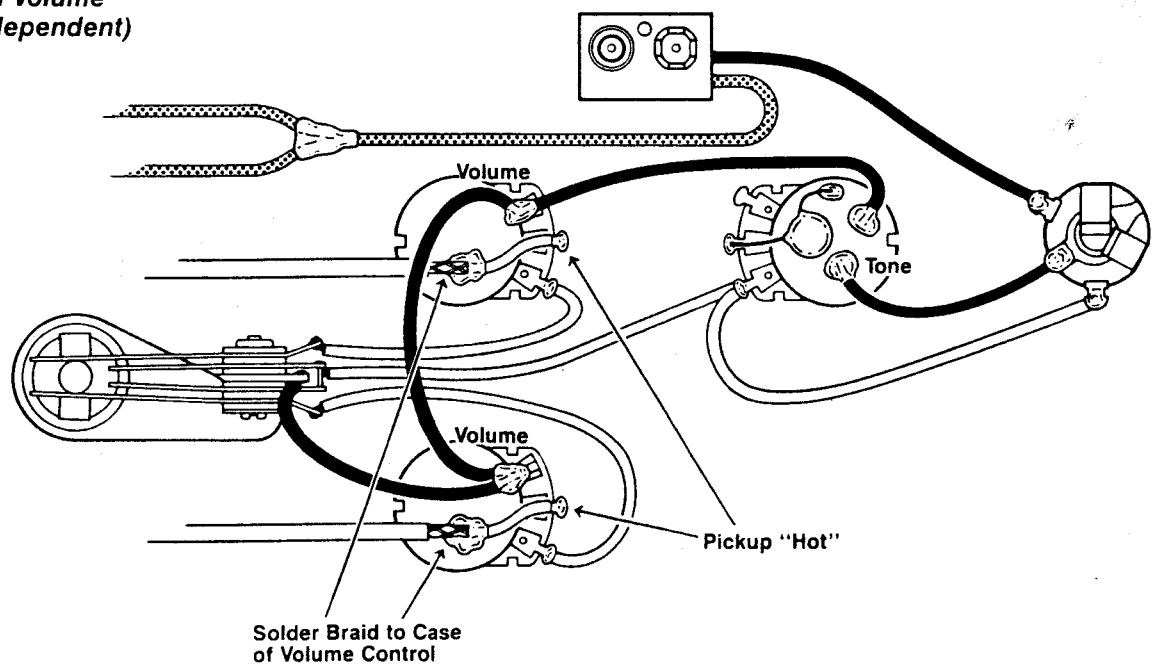
1 Volume,  
1 Tone  
w/switch



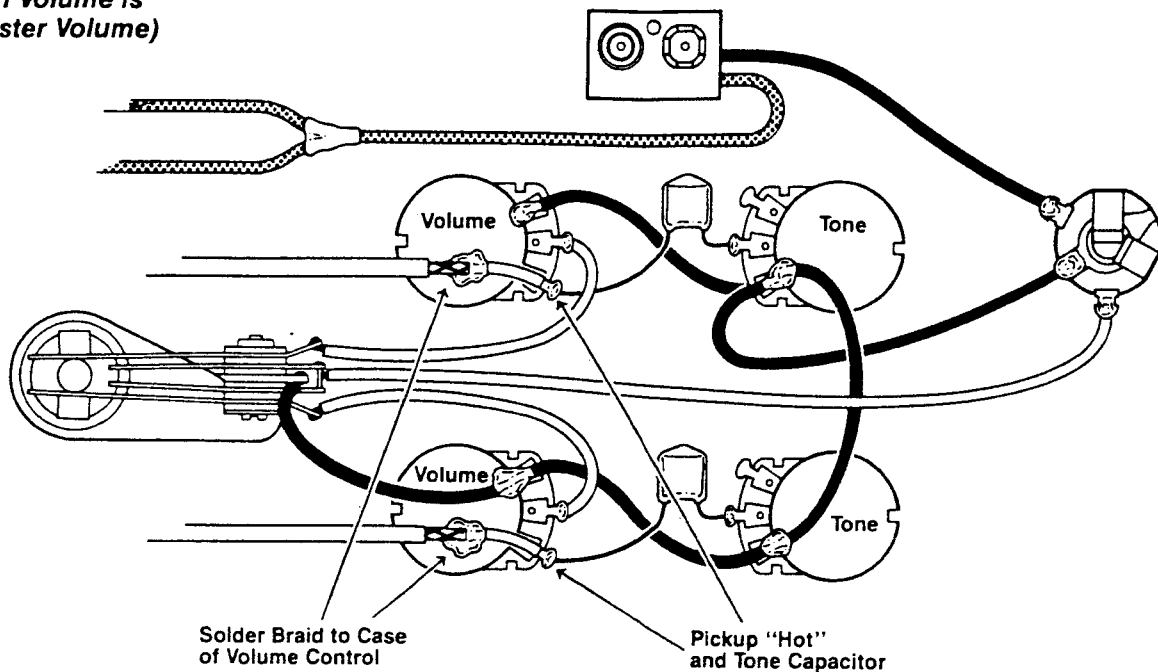
2 Volume,  
2 Tone,  
w/Switch  
(each Volume  
is independent)



2 Volume,  
1 Tone,  
w/Switch  
(each Volume  
is independent)



**2 Volume,  
2 Tone,  
w/Switch  
(each Volume is  
a Master Volume)**



### Installation Notes: for the EMG-H, 60, 81, 85 Pickups

The EMG pickups are now coming with a connector for easy installation. Install the connector as shown in the diagram.

