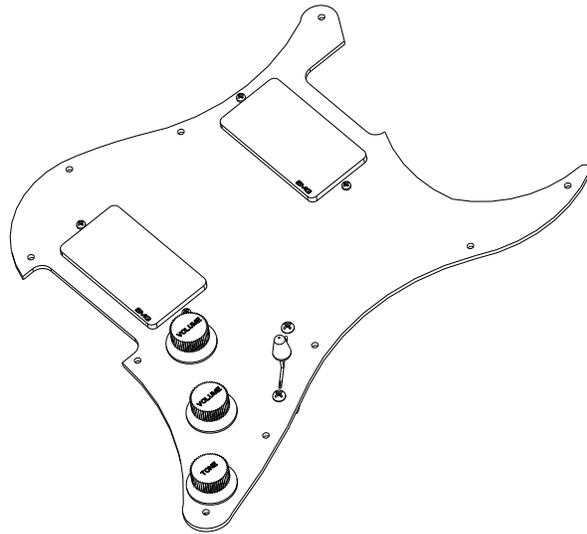




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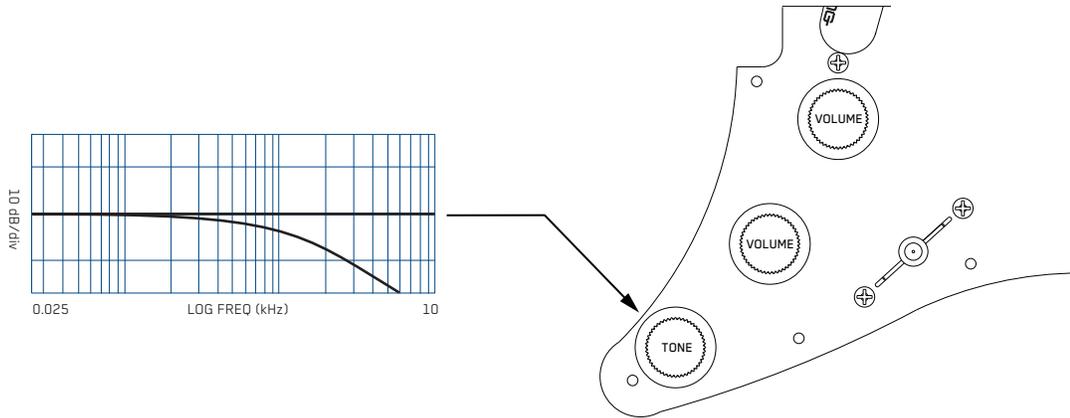
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## INSTALLATION INFORMATION EMG MODEL: KH-21 (PRO-SERIES ASSEMBLY)

### GENERAL INFORMATION:

The KH-21 is a pre-wired pickguard assembly that has been used by Kirk Hammett (Metallica) since 1996. It has 2 of our EMG-81 Pickups installed and features a Volume Control for each Pickup, 3 position selection switch and a standard passive tone control (High-End rolloff) . The 81 Pickups feature a Ceramic and Steel construction for high output. The 81 Pickup features dual steel bars for a more linear tone and amazing sustain.



### SPECIFICATIONS:

Logo Color	
Magnet Type*	
Resonant Frequency (KHz)	2.00
Output Voltage (String)	2.00
Output Voltage (Strum)	4.50
Output Noise (60 Hz)	-91
Output Impedance (Ohm/System)	10K
Current @9V (Microamps/Complete System)	150
Battery Life (Hours)	1500
Supply (Volts DC)	9

### MODEL:

81 Pickup
Silver
C/S

\* Magnet Type C/S (Ceramic/Steel)

### 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 NOTES:**

The only tools you will need for the installation are a #1 Phillips screwdriver and a 3/8-inch hex nut-driver. The Pickups and controls are pre-installed on a 11-Screw pickguard and should fit easily onto any Strat\*-Style Guitar.

- 1) Remove the Strings.
- 2) Unscrew the existing Output Jack Plate (2 screws) and either unsolder or cut the 2 wires going to the existing output jack.
- 3) Remove the existing Output Jack and install the 12B Stereo Jack included with the KH-21 System.
- 4) Install the 12B Jack onto the Jack plate with the spring terminals pointing downward, as shown in Diagrams #1 and #1a.
- 5) Route the Output cable (WHITE) and the battery Negative wire (GREEN) through hole in the Jack cavity into the Control cavity.
- 6) Screw the Jack plate into place and insert a 1/4 plug into the Jack to make sure it goes in all the way. If all seems to fit fine remove the plug.
- 7) Insert the Output Cable connector onto the Main PC Board marked WHT/BLK and insert the GREEN wire onto the pin marked GRN. Diagram #2
- 8) Place a 9-Volt Battery into the Control cavity as shown and insulate it with the foam provided. Diagram #2
- 9) With the battery in place and connected, it's a good idea to test the system before you screw the pickguard down. Plug a cable into the Jack and into the amp, and turn up the volume slightly. Tap on the pickups with a small metallic screwdriver and make sure each pickup is working.
- 10) If all seems OK, screw the pickguard into place, restring and adjust the pickups as close as possible to the strings.

To replace the battery:

Remove the 4 screws immediately surrounding the controls, lift the pickguard, remove and replace the battery. See Diagram #3

Diagram #1

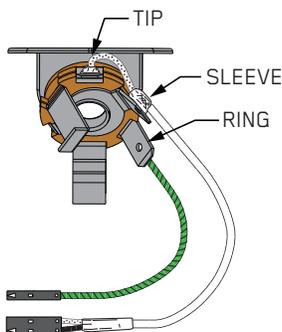
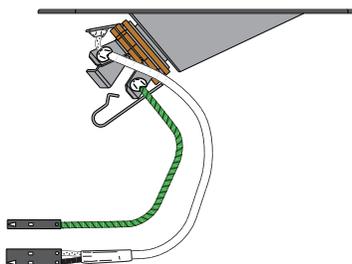


Diagram #1a



**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 and use the shrink tubing included to cover the connections. Soldering the wires is the preferred.

Cover these connections with the shrink tubing provided.

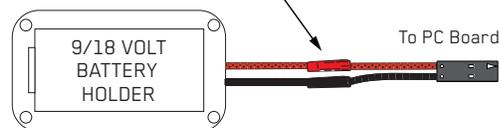
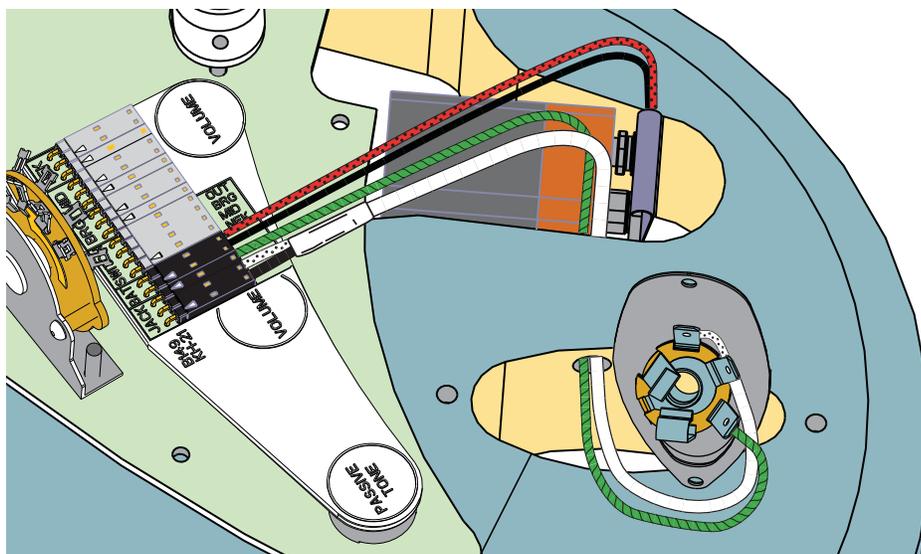
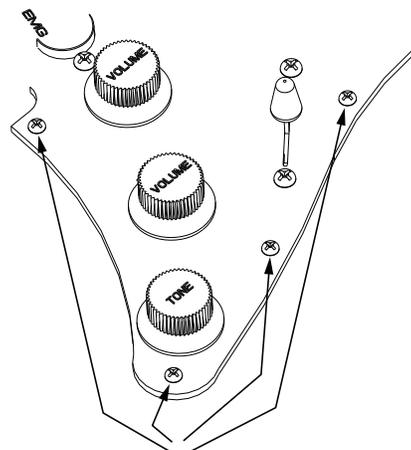


Diagram #2



Route the Output Cable and Green wire from the Output Jack Cavity to the Control Cavity and plug them onto the BLK, WHT and GRN pins on the PC Board.

Diagram #3



Battery Replacement: Remove these 4 screws, gently lift the pickguard, remove and replace the battery.