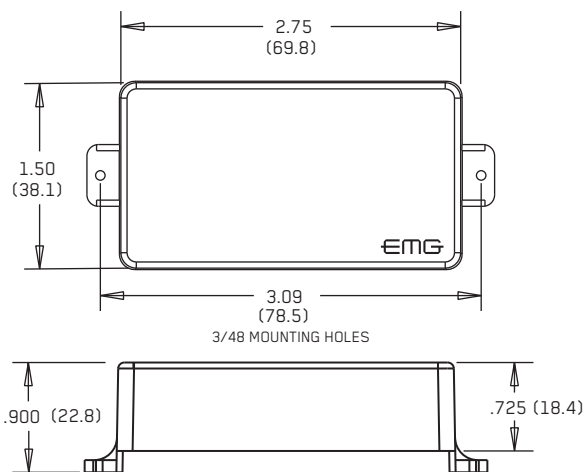




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INSTALLATION INFORMATION

EMG MODEL: **EMG-KFK SET (EMG-81 / EMG-85 / EMG-PA2)**

SPECIFICATIONS:

	MODEL:	
	81	85
Logo Color	Silver	Gold
Magnet Type *	C/S	A
Resonant Frequency (KHz)	1.63	1.87
Output Voltage (String)	3.00	3.10
Output Voltage (Strum)	4.50	4.50
Output Noise (60 Hz)	-100	-101
Output Impedance (Kohm)	10	10
Current @9V (Microamps / system)	160	
Battery Life (Hours / System)	1500	
Maximum Supply (Volts DC)	27	

Note: Magnet Type: A (Alnico)

C/S (Ceramic/Steel)

PA2	
Input Impedance(Ohms)	500K
Noise	-130dbV
Output Impedance (Ohms)	2K
Current @ 9 Volts (Microamps)	290
Battery Life (Hours)	1725
Maximum Supply (Volts DC)	27

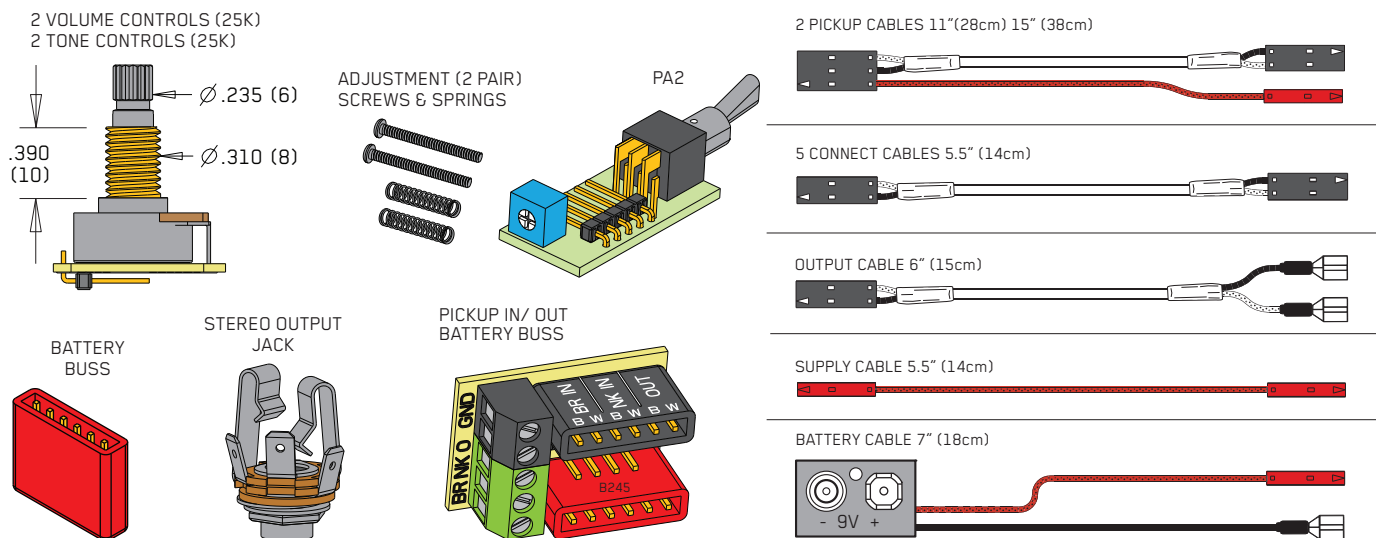
INSTALLATION NOTES:

All EMG Pickups are compatible with each other. The connector system is an easy method of installation, avoiding the need to solder.

Older systems may need to be soldered, while the newer systems can be easily connected and modified. If you have an older EMG Pickup you can install the new system along with it.

EMG accessories like the VLPF, EXG, SPC or RPC Controls can be added to any EMG Pickup System without the need for an extra battery.

INCLUDED WITH THE KFK SYSTEM:



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 Model: KFK Set (EMG-81 / 85 / PA2)

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 #2 below.
- 2) If your instrument has a battery holder see diagram #3 below.
- 3) Instruments with two pickups may need soldering to the selection switch in some installations.

Installation (Two Pickup Guitars with Selection switch):

The KFK Set uses the EMG B157 Pickup Buss, shown in diagram #1.

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.

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.

****Tips and Tricks**** Start your installation by:

- 1) Determine which type output jack your instrument has.
A Stereo 152B type is Included, but if you have a long panel jack a Switchcraft 152B Long Panel Jack will be required.
- 2) Remove the strings, 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.
- 6) IMPORTANT: EMG Active pickups do not require a string ground wire! DO NOT Reconnect the string ground, it is unnecessary.

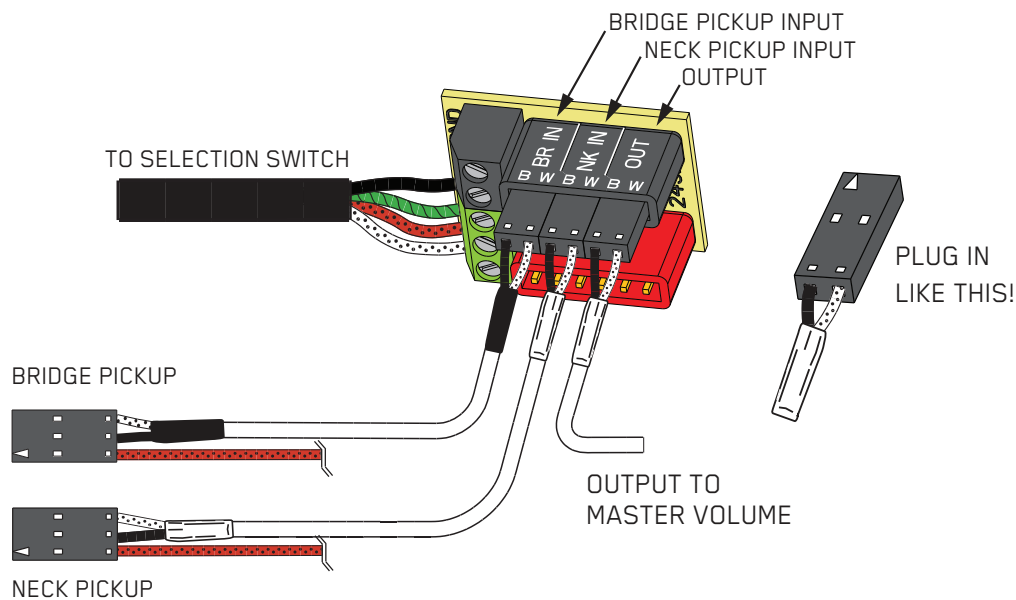


Diagram #2

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

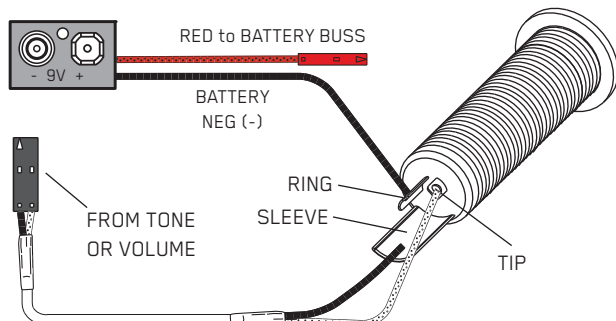


Diagram #3

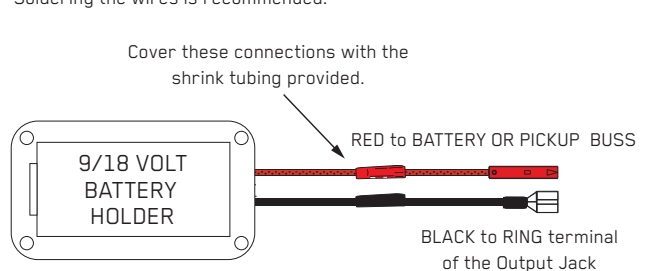
If the instrument has a Battery Holder:

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.



2 Pickups / Toggle Select Switch / Master Volume and Tone with a PA2

The KFK System is shown below wired just like Kerry's Guitar. Diagram #5 shows a toggle switch, and diagram #6 shows a lever style switch. There are two volume controls and two tone controls included with the KFK System so be sure to see Page 4 showing two alternate installation diagrams.

Refer to Diagram #5

- 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) Plug both Pickup cables onto the Pickup Buss (BLACK Shroud) as shown, 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.
- 4) Plug a coax cable from the Master Volume to the Master Tone as shown.
- 5) Plug a coax cable from the Master Tone to the PA2, and note the reversed connector on the PA2.
- 6) Strip the insulation from the switch wires and Insert them into the GREEN Terminal Block and tighten the screws with a small screwdriver.
The BR Terminal is the Bridge Pickup, The NK Terminal is the Neck Pickup, the output of the switch goes to the O terminal. Use the BLACK section of the terminal block for any ground connections.
- 7) Plug the output cable from the PA2 to the output jack by pushing the connectors onto the output jack terminals, WHITE wire to the (T) contact, BLACK wire to the (S) contact
- 8) Plug the BLACK Battery Negative wire onto the RING (R) contact.

Diagram #5

2 Pickups
Toggle Style Select Switch
Master Volume & Master Tone
PA2

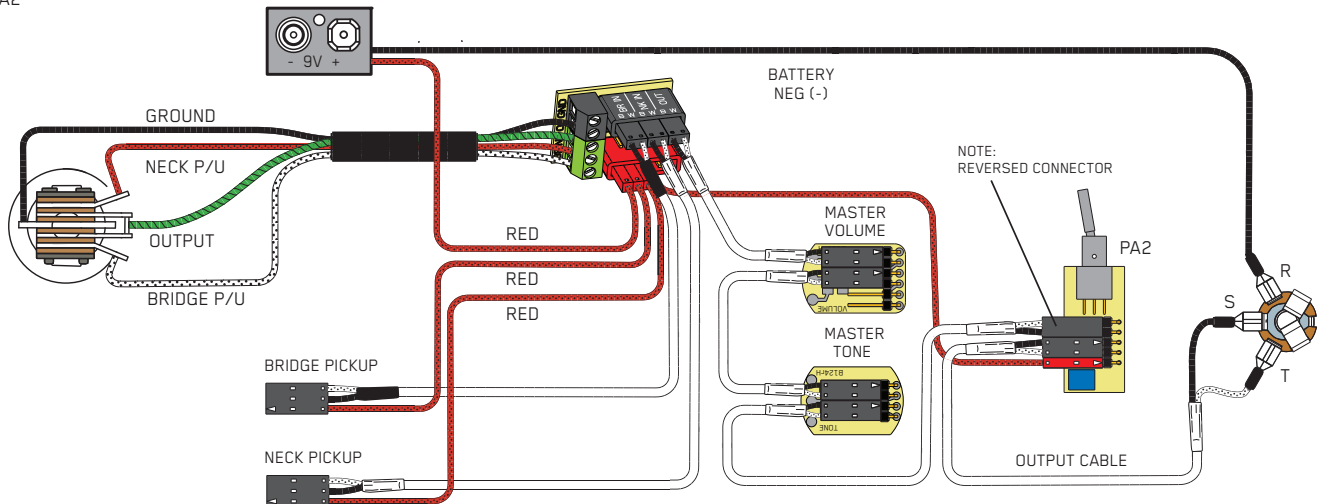
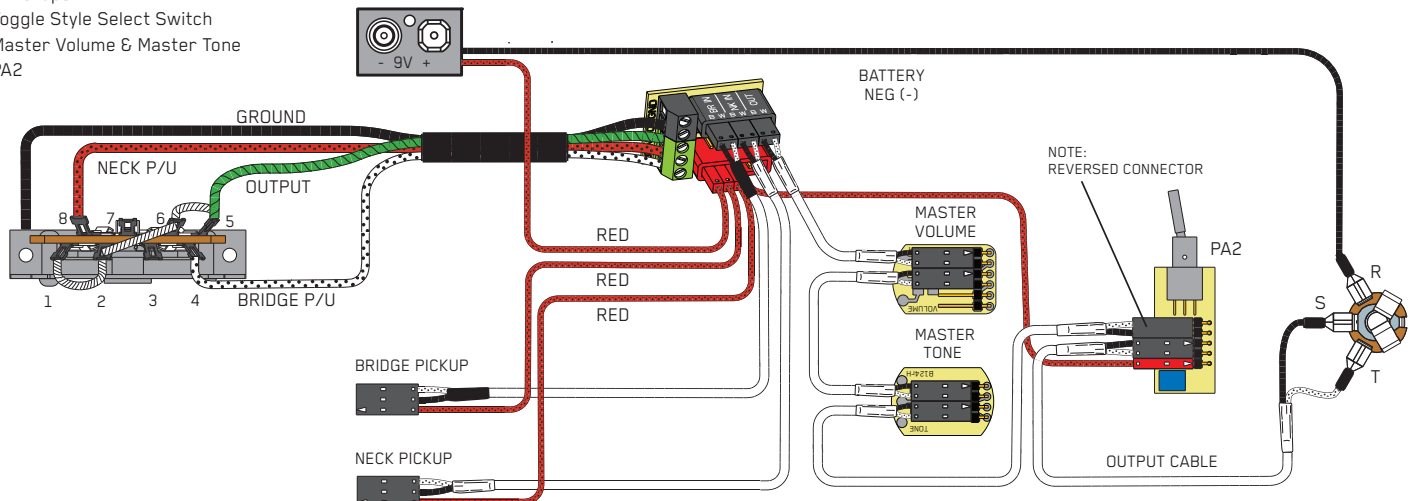


Diagram #6

2 Pickups
Toggle Style Select Switch
Master Volume & Master Tone
PA2



- 9) Plug the RED Wires of the pickups onto the V+ Supply Buss (RED Shroud) along with the RED wire of the PA2 and the RED wire of the battery clip.
- 10) Put the battery in the insulating foam piece provided and place it securely in the control cavity. We suggest that you plug in the instrument and test it before closing the control cavity.

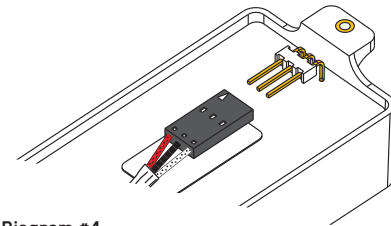
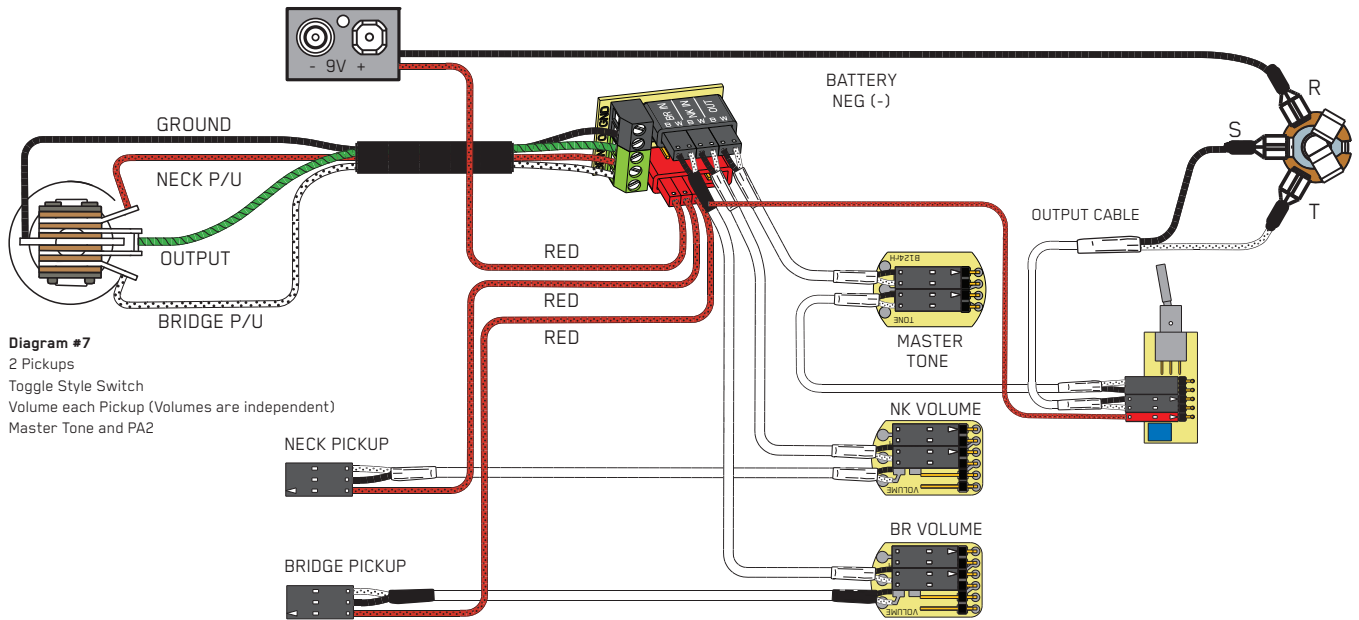


Diagram #4

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



Refer to Diagram #7 Above:

- 1) Install the Pickups and route the pickup cables to the control cavity.
If the cables are too long, wind up any excess and keep it under the pickup.
- 2) Plug the neck and bridge pickup cables onto the volume controls as shown.
- 3) Plug a coax cable from the Bridge Volume to the Pickup Buss (Position 1).
Plug a coax cable from the Neck Volume to the Pickup Buss (Position 2).
Plug a coax cable from the Pickup Buss (Position 3) to the Master Tone.
- 4) Plug a coax cable from the Master Tone control to the input of the PA2.
Note the reversed connector.
- 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 BR Terminal is the Bridge Pickup, The NK Terminal is the Neck Pickup, the output of the switch goes to the O terminal. Use the BLACK section of the terminal block for any ground connections.
- 6) Plug the output cable from the PA2 to the output jack and and push the connectors onto the T and S terminals of the jack.
- 7) Plug the Battery Negative wire (Black) onto the R terminal of the output jack.
- 8) Plug the RED Wires of the pickups onto the V+ Supply Buss (RED Shroud) along with the RED wire of the PA2 and the RED wire of the battery clip.
- 9) Put the battery in the foam insulator provided and place it securely in the control cavity. We suggest that you plug in the instrument and test it before closing the control cavity.

Refer to Diagram #8 Below:

- 1) Install the Pickups and route the cables to the control cavity.
If the cables are too long, keep any excess under the pickup.
- 2) Plug the neck and bridge pickup cables onto the Volume controls as shown.
- 3) Plug a coax cable from each of the Volume controls to the tone controls.
- 4) Plug a coax cable from the Bridge Volume to the Pickup Buss (Position 1).
Plug a coax cable from the Neck Volume to the Pickup Buss (Position 2).
Plug a coax cable from the Pickup Buss (Position 3) to the input of the PA2.
Note the reversed connector on the PA2.
- 5) Strip the insulation from the switch wires and Insert them into the GREEN and BLACK Terminal Blocks and tighten the screws with a small screwdriver.
The BR Terminal is the Bridge Pickup, The NK Terminal is the Neck Pickup, the output of the switch goes to the O terminal. Use the BLACK section of the terminal block for any ground connections.
- 6) Plug the output cable from the PA2 to the output jack and push the connectors onto the T and S terminals of the jack.
- 7) Plug the Battery Negative wire (Black) onto the R terminal of the output jack.
- 8) Plug the RED Wires of the pickups onto the V+ Supply Buss (RED Shroud) along with the RED wire of the PA2 and the RED wire of the battery clip.
- 9) Put the battery in the foam insulator provided and place it securely in the control cavity. We suggest that you plug in the instrument and test it before closing the control cavity.

