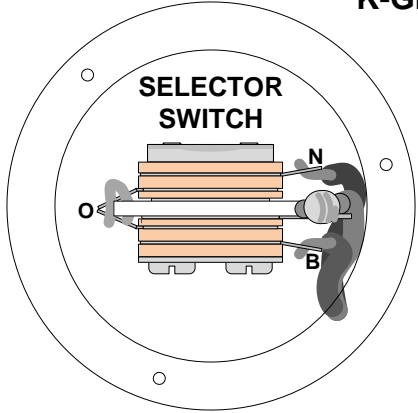
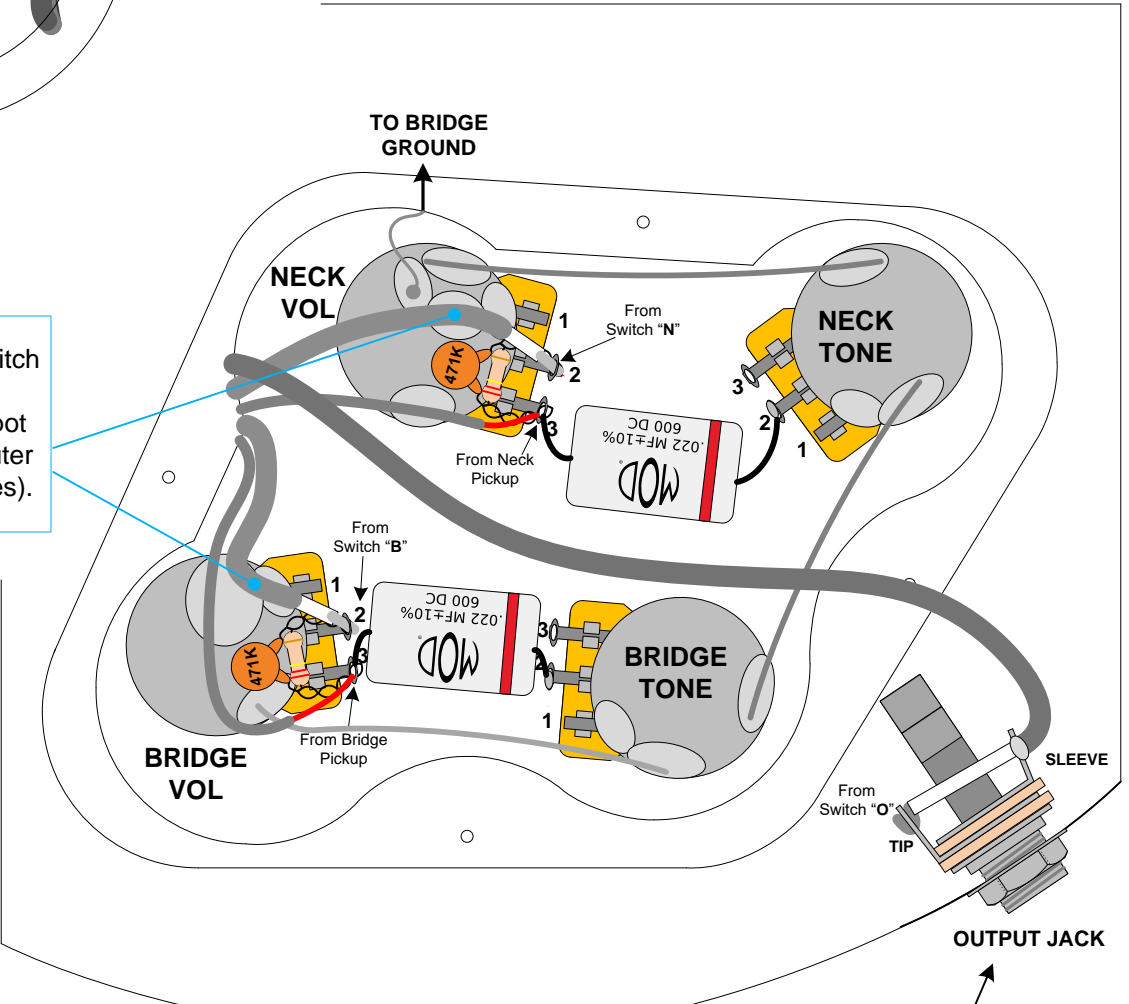


K-GMOD-5 - Les Paul Toggle Switch and Jack Wiring Kit

Les Paul Style Switch Harness and
Jack Final Wiring

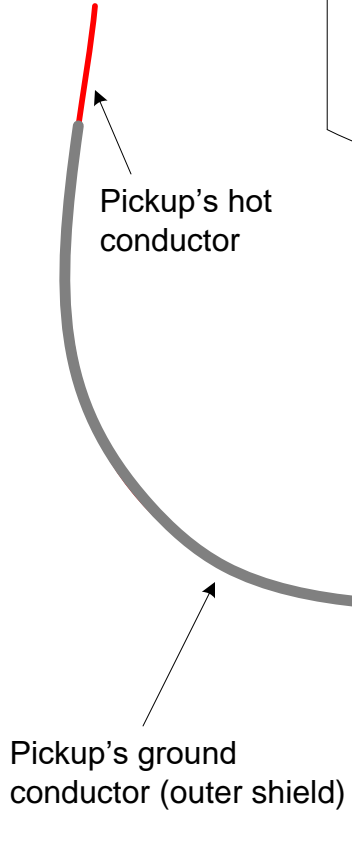
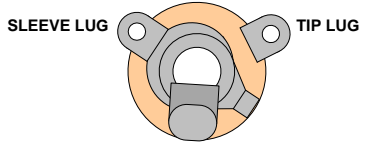


Both N and B selector switch wire shields should be soldered to the volume pot bodies (along with the outer shields of the pickup wires).



"Modern" Volume Pot Connections (Closeup):

- 1: grounded
- 2: (1) cap leads, (1) resistor lead, (1) selector switch wire.
- 3: (2) cap lead, (1) resistor lead, (1) pickup hot wire.



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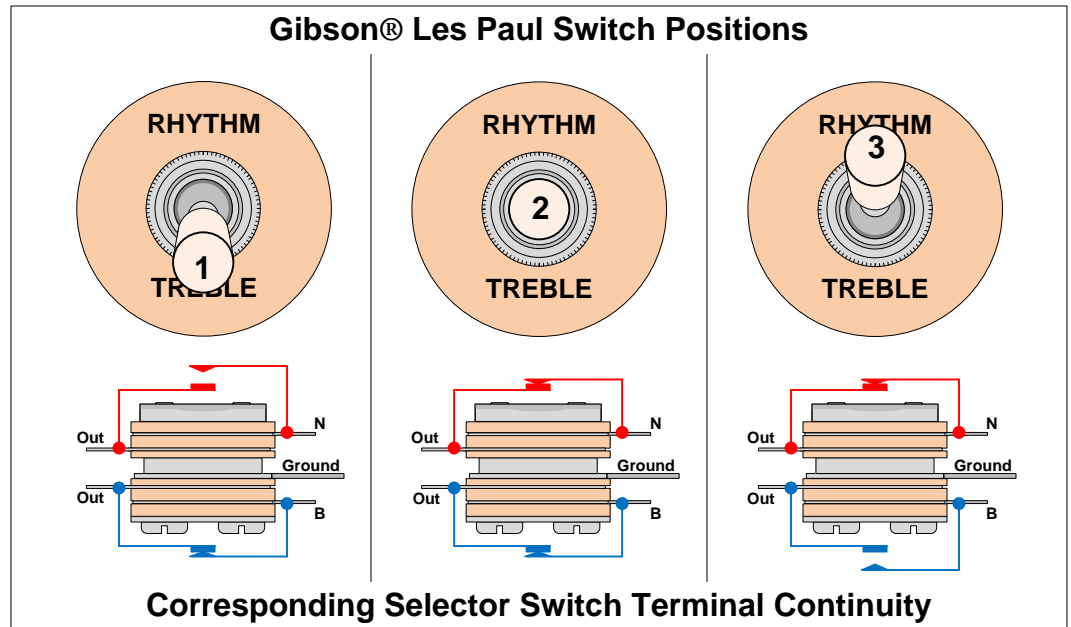
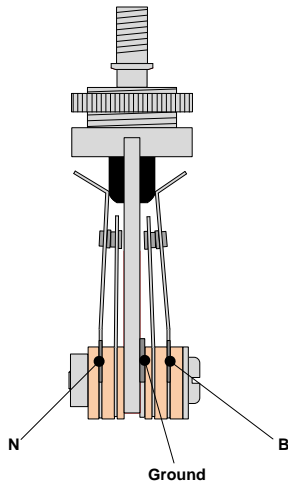
**K-GMOD-5
Wiring Diagram**

K-GMOD-5 PARTS LIST

Gibson style pickup selector switch - straight

W-SC-W02

(1)



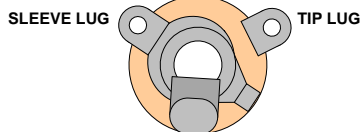
The switch lugs are named according to their function in the Les Paul guitar. Look at the bottom of the switch with its terminals oriented as shown above and the toggle cap pointing out away from view:

- Pushing the toggle down removes electrical continuity between N and Out.
- Pulling the toggle up removes electrical continuity between B and Out.

¼" Mono Jack (Output Jack)

W-SC-11

(1)



Shielded Wire

S-W901

(6 FT)

Bus Wire (20 AWG), Tin Plated, Lead Free

S-W3817

(12")

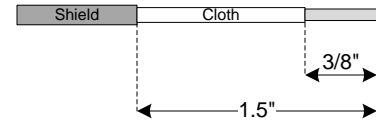
Wire Labels:



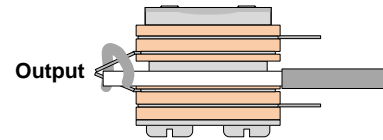
P-GMOD-5 Assembly Instructions

- Cut a 26" piece of the shielded wire. This will be the output ("O") wire.
- Cut the remaining 46" piece of wire in half. These two 23" pieces of wire will be the neck ("N") and bridge ("B") wires.

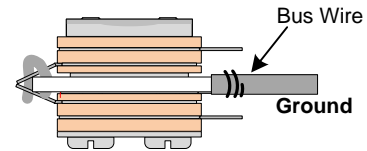
- On one end of the 26" wire, remove 1.5" of shielding and 3/8" of cloth.



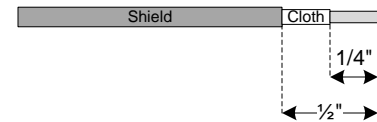
- Take the switch and press its two output lugs together. Insert the end of the 26" output wire through both of these lugs, hook it around and crimp it to hold the two output lugs together. Solder this connection.



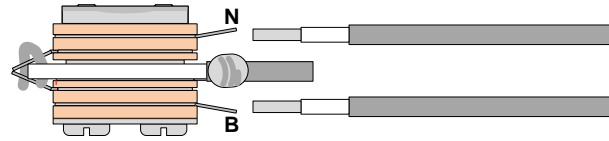
- If the shield braid's ends are frayed now is a good time to trim them if necessary. This part will be coated with solder so it doesn't need to look perfect. Cut a 1" piece of bus wire and use it to tie the output wire to the ground lug around the wire's shield. Apply solder to the ground lug, bus wire and shield for both a good mechanical hold and electrical continuity between shield and ground. Be sure to coat the shield's end in solder.



- On one end of both 23" wires, remove 1/2" of shielding and 1/4" of cloth. Trim the shields of stray wires for a clean cut at their ends.



- Connect one of these 23" wires to terminal "N" and solder it. (You can bend the switch lug outward slightly to make more room for soldering).



- Connect the other 23" wire to terminal "B" and solder it. (You can bend the switch lug outward slightly to make more room for soldering).

- Put the three wires side by side. Cut a 2" piece of bus wire and wrap it around the three near the ends of the N and B wires' shields. Apply solder to the bus wire and shield for both a good mechanical hold and electrical continuity between all three shields and ground. Be sure to apply some solder to the ends of the shields of N and B for a clean look.

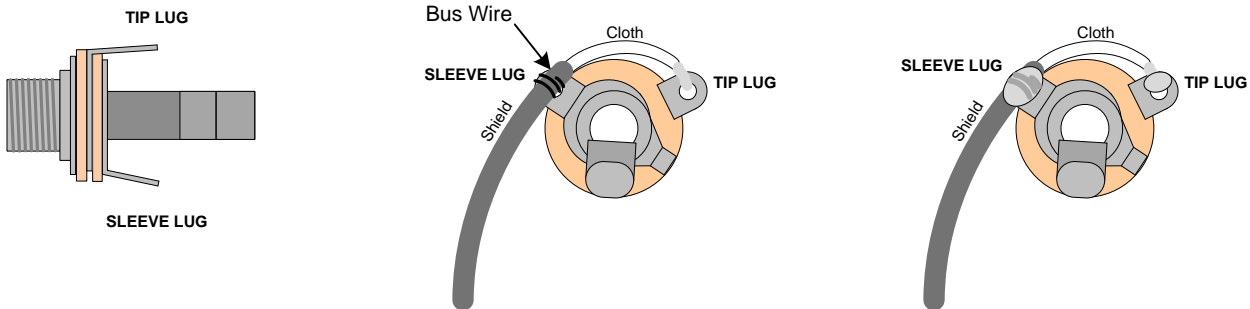
- On the other end of the N and B wires, remove 1/2" of shielding and 1/4" of cloth. Remove 1" of shield and 1/4" of cloth from the O wire.

- Label the wires "O", "N" and "B" according to the switch terminals to which they are connected.



Wiring the Output Jack

- First mount the selector switch into the guitar and route the cables through the cavity.
- Locate the output wire labeled “O”.
- Cut a 1" piece of buss wire and use it to tie the output wire to the sleeve lug around the wire's shield.
- Connect the end of the output wire to the tip lug and solder this connection. Then solder the shield to the sleeve lug.



Finishing Up

- Use the final wiring drawing as a guide.
- Mount the jack and carefully place the output wire through the gap of the electronics cavity. The shield is grounded so be sure that it is not making contact with any of the other connections. It can touch the metal back of potentiometers since these are also grounded.
- Attach the “N” wire to lug 2 of the neck volume pot and solder the shield to the back of the pot.
- Attach the “B” wire to lug 2 of the bridge volume pot and solder the shield to the back of the pot.
- Check that all connections are soldered before completing the wiring.