

This first page shows how to separate parts of the old wiring from the guitar in such a way that preserves the option to revert your guitar back to its original state - in case you want to sell it or want to use the LesLee unit in another Les Paul®, Telecaster Deluxe® or Telecaster Custom® type guitar. We will remove the output jack and the two tone pots. This leaves you with the two volume pots and the the 3-way toggle switch installed only. On page two the new pots for master tone and LesLee speed will be installed.

Now please study the step-by-step guide in this manual before you proceed with the installation. And if you have zero experience with guitar electrics and using a soldering iron, please find a local guitar service point or a friend with experience who can do the installation for you.



installation manual • Les Paul®

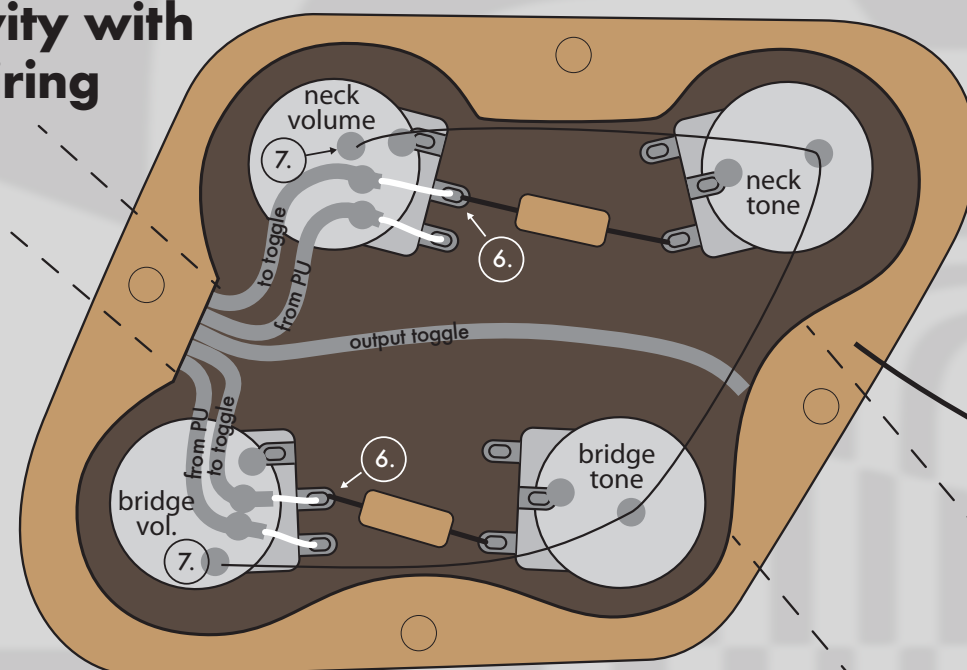
needed tools:

- cross head screw driver
- soldering iron, best with temperature control
- included birch-ply 1/2" wrench

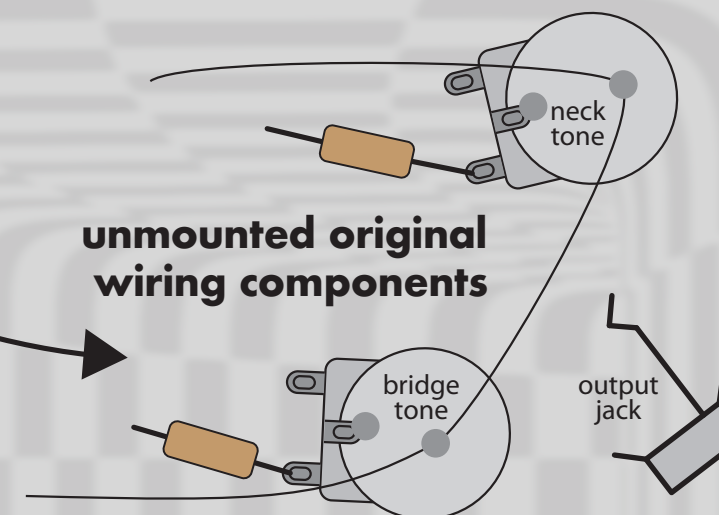
To obtain the birch-ply wrench please unmount it from the unit



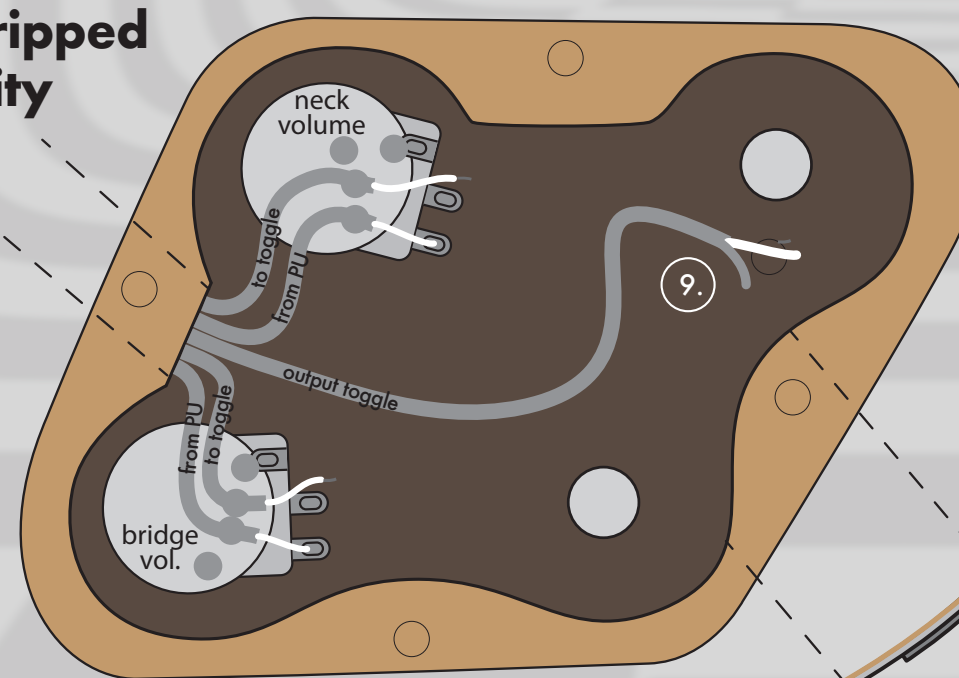
control cavity with original wiring



unmounted original wiring components



partially stripped control cavity



1. Lay your guitar on a table with the neck pointing to your left. Support the body and neck preventing the headstock from touching the table. You can use folded blankets or towels or a few cushions to do so.
2. Remove both tone knobs and unscrew the two nuts that hold the pots and remove the washers.
3. Now carefully flip the guitar on its face and set it into your cushioning.
4. Unscrew and remove the cover of the control cavity.
5. Make a few photographs of your wiring to document the original state of your guitar.
6. **Unsolder the tone capacitors and the wires from both middle lugs of the volume pots.**
7. **At the volume pot casings unsolder the ground wires that come from the tone pot casings.**
8. Unscrew the jack plate from the rim of the guitar and use the birch-ply 1/2" wrench to unmount the output jack from its plate.
9. **Unsolder the output jack from the wire and shield.**
10. Lift the two tone pots with the wires and capacitors connected out of their holes and put the assembly to the side.
11. Store the removed wiring components and the jack to preserve the option of reverting your guitar to its original state.
12. **Unsolder the hot wires at the middle lugs of both volume pots (wires to toggle switch).**

done strippin'!

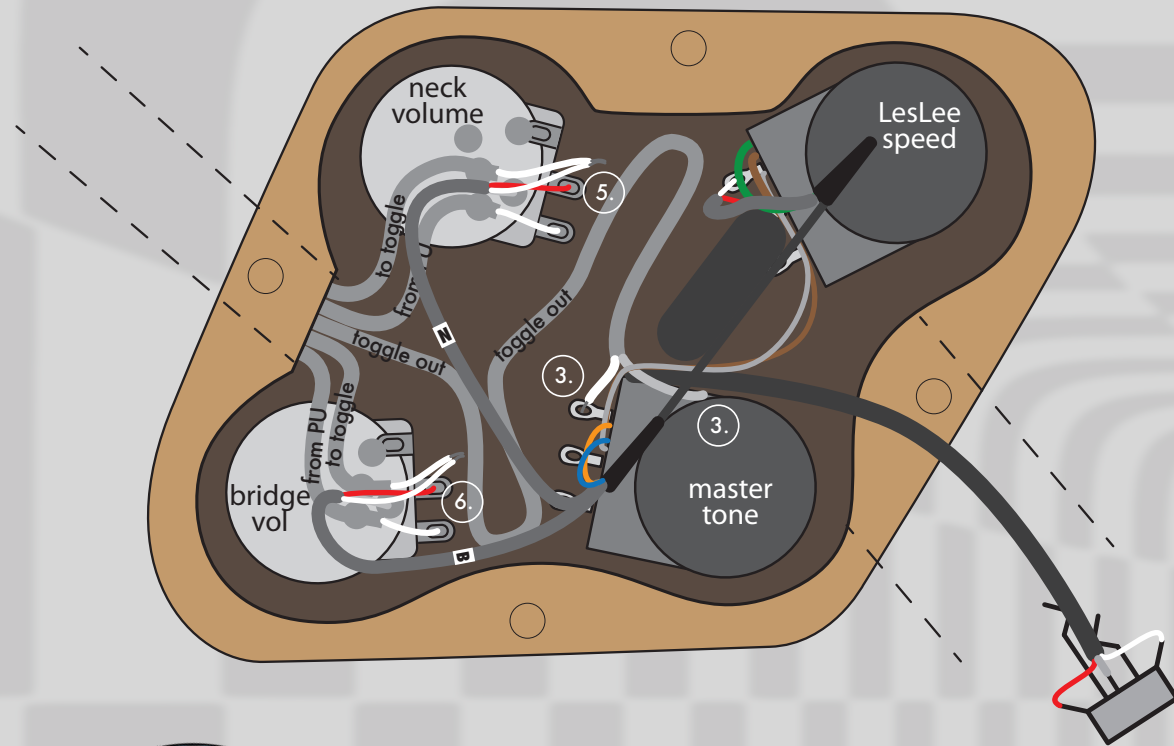


flip to continue on page two

Page two guides you through the steps of installing Pickup LesLee® into the stripped control cavity. The unit comes with all components wired to simply be mounted. Those are the stereo output jack and the new master tone pot and the speed pot. The wires for inputs and return signals of the pickups will need to be connected to the right lugs and wires. Please follow the step-by-step guide on the right side of this page to proceed with the installation.

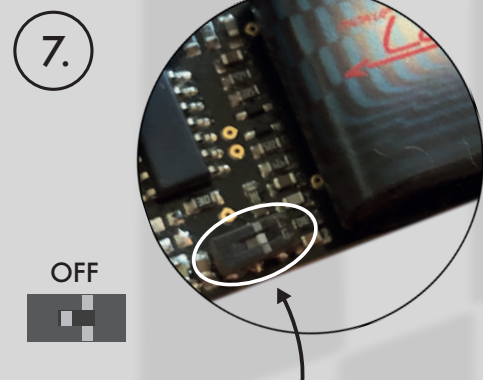
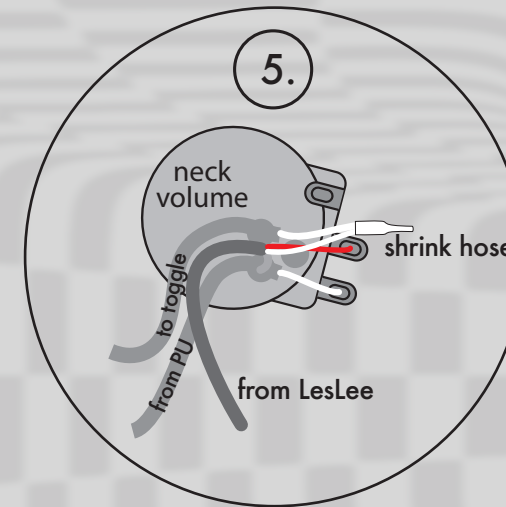


connecting the input and return wires

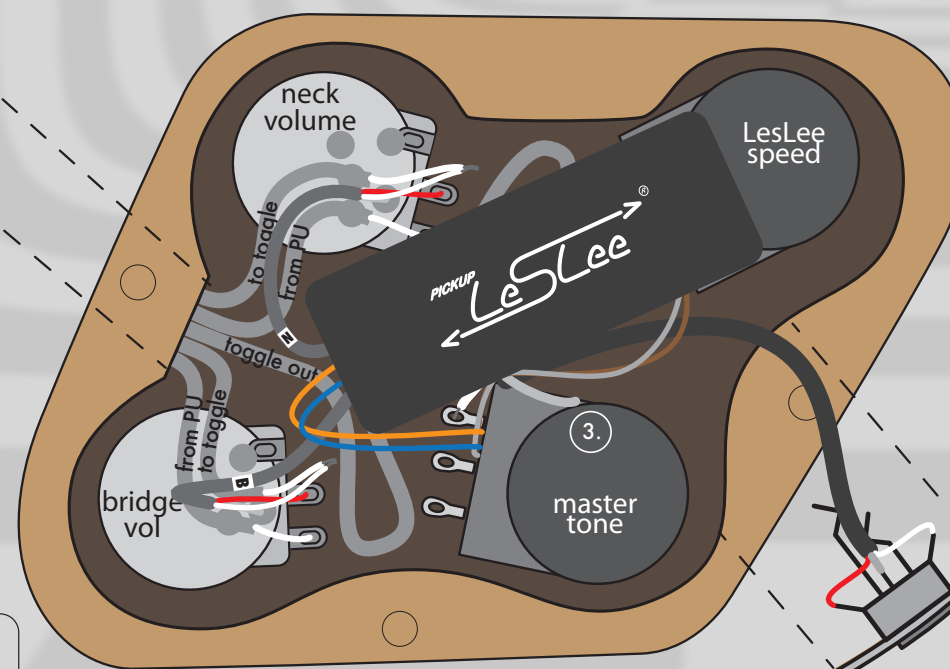


installation manual • Les Paul®

1. Start with threading the **output jack** into its channel and set the two **pots** of the LesLee unit into their holes with the motherboard facing upward and towards the volume pots, we'll bend it down when everything is hooked up. Mount the jack onto the jack plate and screw the plate back onto the body.
2. Flip the guitar upwards on its side and make sure to have the two pots positioned as shown in the illustration. Now mount the pots to the body with their washers and nuts, then lay it back down on its face.
3. Next we solder the **shield of the original output cable (toggle out)** to the casing of the new master tone pot and the **hot wire to the upper lug of the tone pot (3)**. At the casing you already see the shield of the output cable, so just add the shield to the same solder spot. Also try to zig-zag the excess length of the toggle-out wire across the cavity as shown in the drawing.
4. The unit comes with two double-pole shielded cables. One is gonna be connected to the neck volume pot and one to the bridge volume pot. The cables are marked with little stickers "N" for neck and "B" for bridge.
5. Let's start with the neck wiring. **The shield is soldered to the casing of the neck volume pot. Then solder the red wire to the middle lug of the pot and the white wire to the disconnected wire that goes to the toggle switch.** Use the small piece of white shrink hose that comes with the unit (in the accessory bag) and shrink it onto the soldered connection with a few strokes of the side of your soldering iron. (see picture 5)
6. **Repeat the same procedure with the cable marked "B" at the bridge volume pot.**
7. On the motherboard switch the tiny **maintenance switch to ON**. To do so flip the board upward a bit towards the centre of the guitar body and use a pin or ball pen to move the slider on the switch to ON. (see picture 7)
8. Now you're ready to bend the unit back down again and screw the cover back on.



fully mounted LesLee unit in control cavity



You find the **maintenance switch** near the bottom of the motherboard to the left of the supercap. You can use a pin or ballpen to switch it from OFF to ON.
Remember to always switch it OFF whenever you work on the wiring in the future.

2

On **left-handed guitars** the motherboard will run along the shorter diagonal of the cavity pointing at the neck volume pot. And the former bridge tone will be speed On-Off and the former neck tone is the master tone.

That's it! Put the knobs on the new pots and please proceed to the user manual to start using Pickup LesLee®.

done!