

This first page shows how to partially separate the original wiring from the pick guard while preserving 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 Telecaster Custom®, Telecaster Deluxe® or Toronado® guitar. We will remove the output jack and the two tone pots. This leaves you with the two volume pots and the 3-way toggle switch installed only. On page two the new pots for master tone and LesLee speed will be installed.

Please study the step-by-step guide before you proceed with the installation. And if you lack experience with guitar electrics and using a soldering iron, please find a local guitar service point or a skilled friend who can do the installation for you.



installation manual • Fender® Telecaster Deluxe® & Custom®

Fender Toronado® - please download this manual:

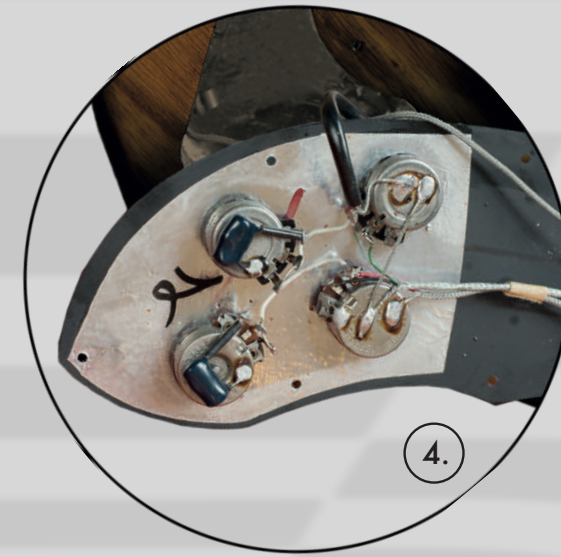
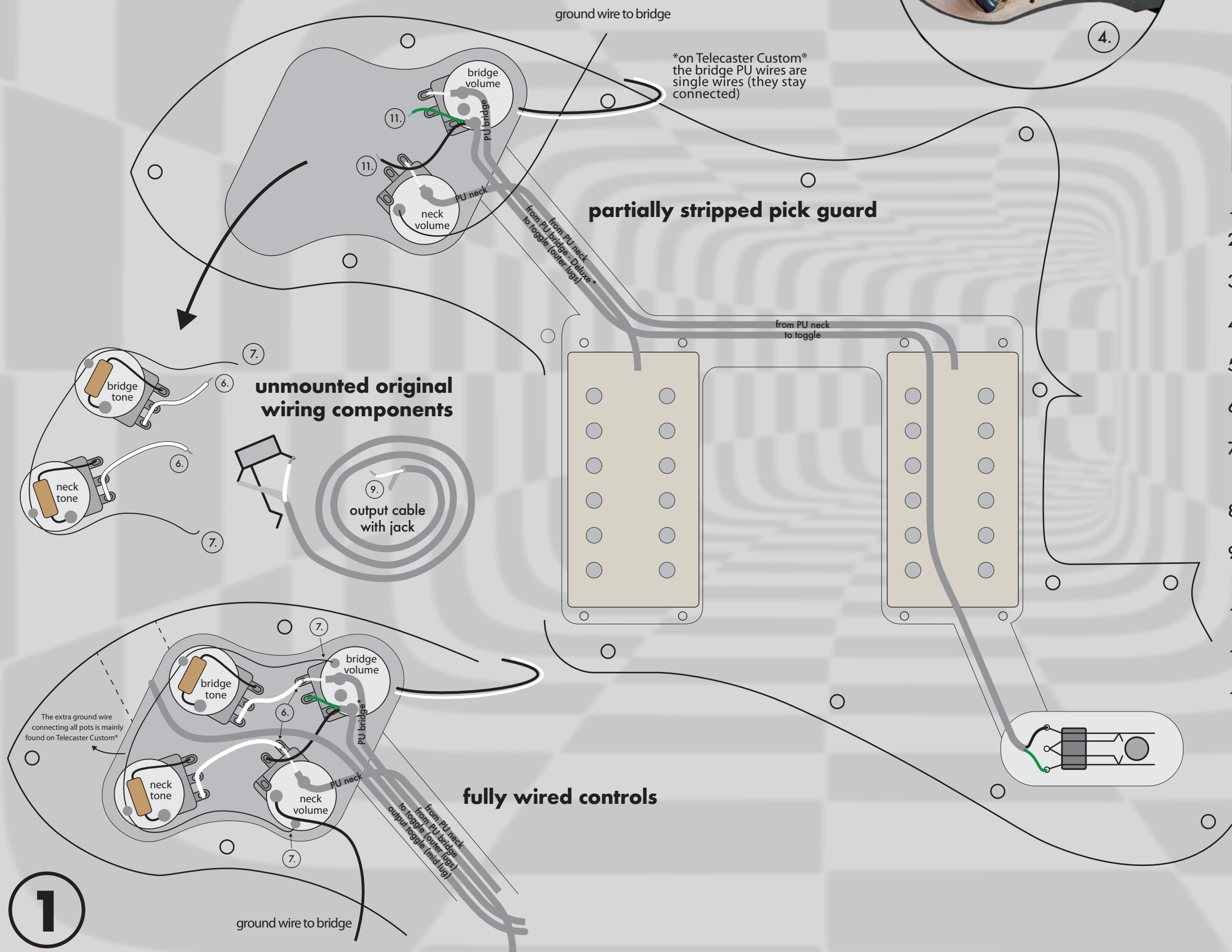


**needed tools:**

- cross head screw driver
- soldering iron, best with temperature control
- 1/2" (or 13mm) socket hex drive
- screw driver for the control knob set screws

Also obtain the birch-ply wrench by unmounting it from the unit

1. Remove the strings from your guitar.
2. Unmount the two tone knobs from their pot shafts by loosening the little set screws.
3. Loosen the nuts that hold the tone pots so you can easily unmount them by hand in step 10.
4. Unscrew the pick guard and lift it up to turn it over like shown in the picture to the left.
5. Make a few photographs of your wiring to document the original state of your guitar.
6. **At both volume pots unsolder the hot wire that goes to the tone pot. See 6.**
7. **At the volume pots unsolder the extra ground wires connecting the pot casings** (mostly only seen on Telecaster Custom® models). **See 7.**
8. At the rim of the guitar unscrew **the jack plate and unmount the jack from its plate.**
9. Pull the jack into the control cavity and **unsolder its output cable** at the **selector switch** (mid lug and shield), keep the jack and the long output cable in one piece.
10. Unscrew and unmount the tone pots and remove them from the pick guard with caps and wires connected.
11. **At both volume pots unsolder the hot PU wires from each of the middle lugs. See 11.**
12. Store the removed wiring components to preserve the option of reverting your guitar to its original state.



done strippin'! 

**flip to continue on page two**

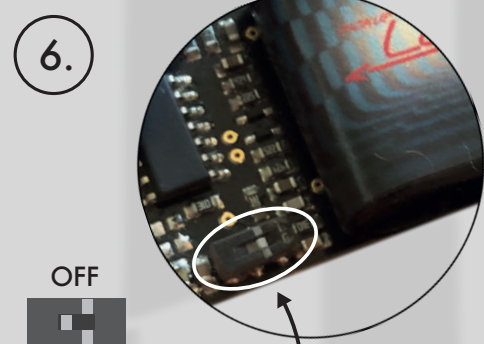
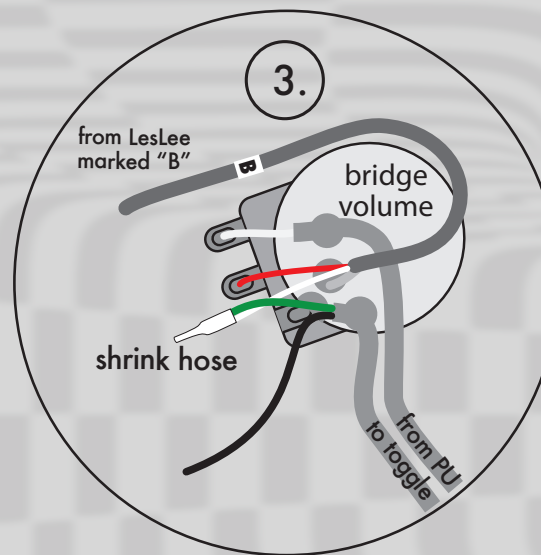
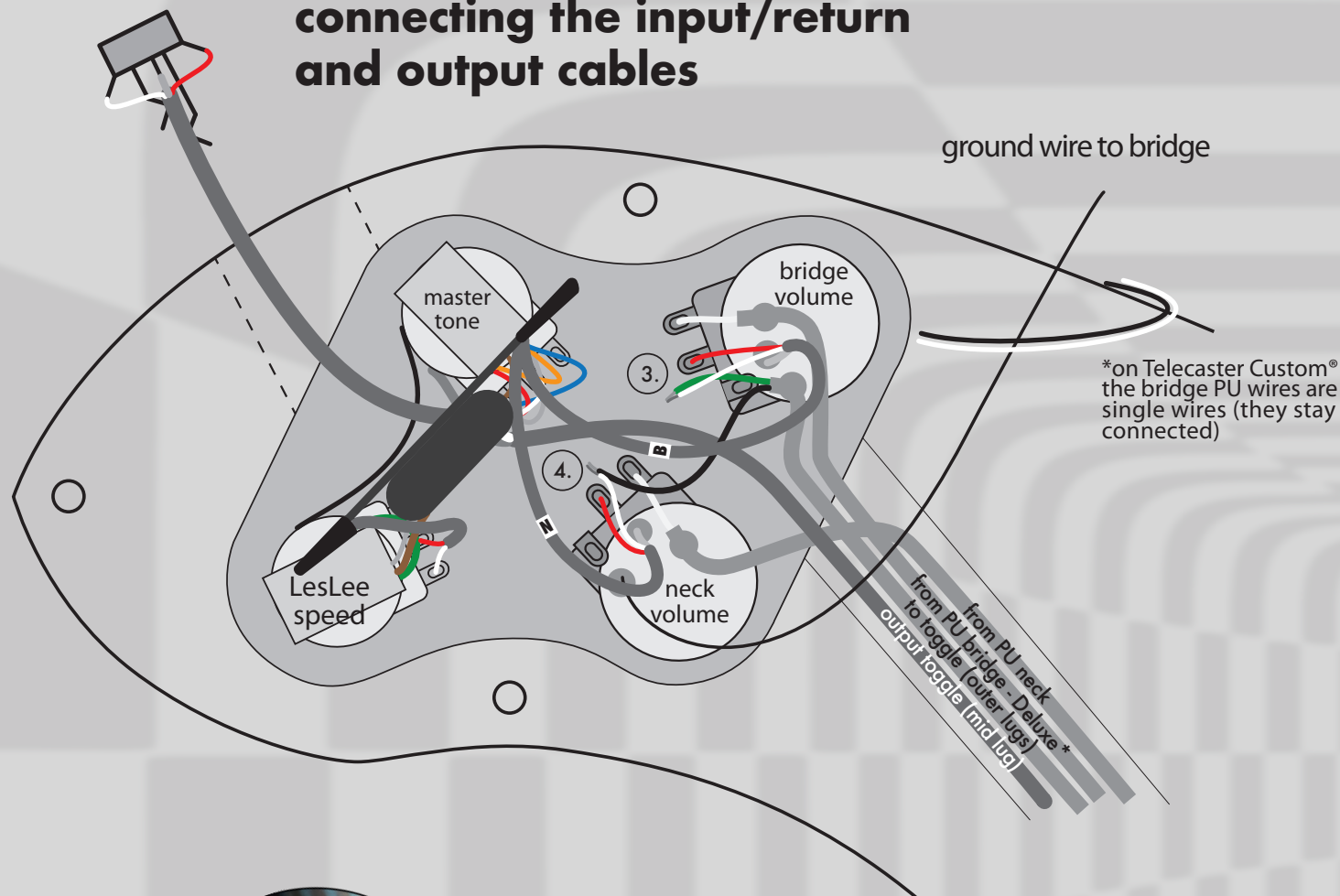
Page two guides you through the steps of installing Pickup LesLee® onto the stripped pickguard. The unit comes with all components wired to simply be mounted. Those are the stereo output jack and the new master tone pot and the speed pot. The wires for inputs and return signals of the pickups will need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



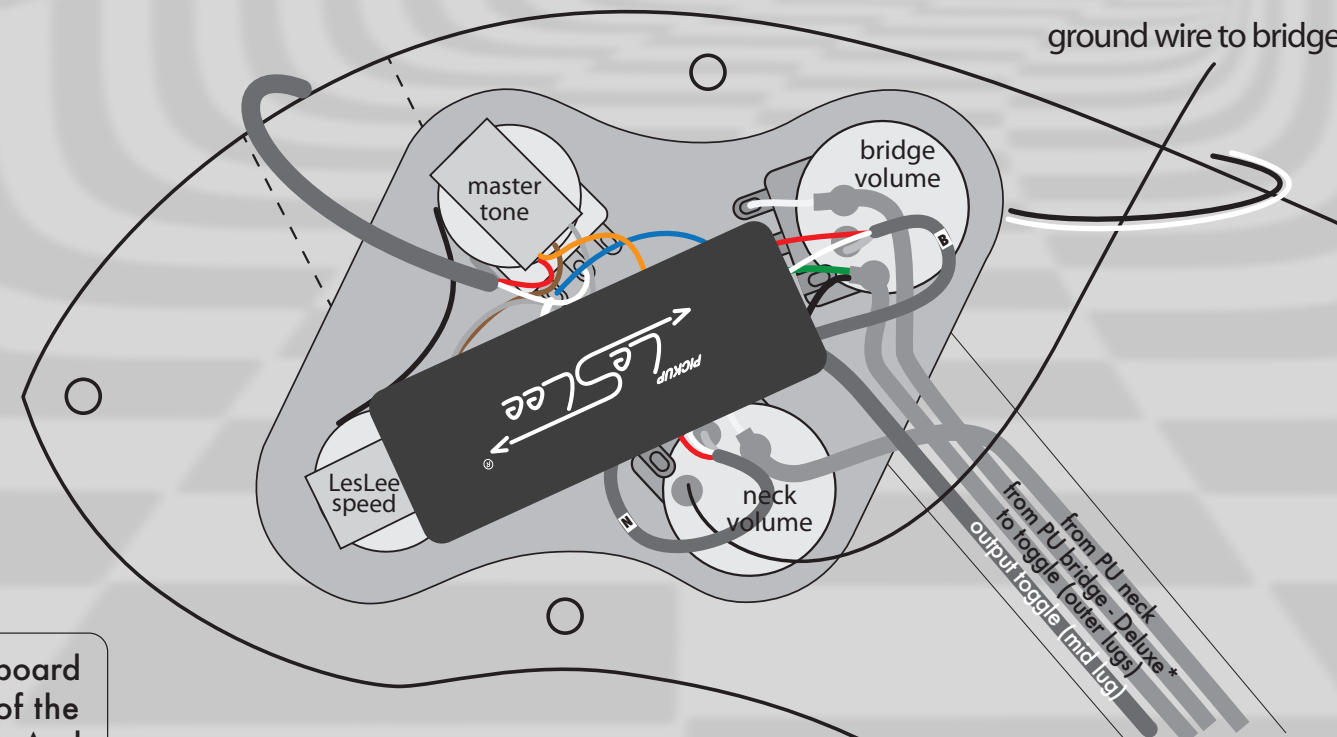
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## connecting the input/return and output cables



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.**



## fully mounted LesLee unit

1. Start with **setting the two pots** of the LesLee unit into their holes on the pickguard. The motherboard is facing upward to remain good access to the volume pots for the next steps of the installation. Make sure to have the two pots positioned as shown in the illustration and mount them to the pickguard with their washers and nuts.
2. Next we solder the **long shielded (single core) cable** to the **middle lug (output) of the selector switch** and its **shield** to the **ground connector of the switch**.
3. The unit comes with two **double core 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. Let's start with wiring the bridge connections. See 3. **The shield** is soldered to the **casing** of the bridge volume pot. Next solder the **red wire** to the **middle lug** of the pot and the **white wire** to the **disconnected wire** (see step 9 on page 1) that goes to the toggle switch. Use the small piece of white shrink hose that comes with the unit (in the accessories bag) and shrink it onto the soldered connection with a few strokes of the side of your soldering iron. (see picture 5)
4. **Repeat the same procedure with the cable marked "N" at the neck volume pot.**
5. Thread the **black output cable** including the **stereo jack** through the output channel to the rim of the guitar and mount the jack onto the jack plate, then screw the plate back onto the body.
6. 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)
7. Now you're ready to bend the unit back in place and flip the pickguard into position while guiding all wires into their channels. Finally screw the pickguard back onto the body.
8. Mount your knobs onto the two new pots and if they come with set screws please use the included **brass sleeves** for a tight fit.

That's it ! Restring your guitar and then proceed to the user manual to start using Pickup LesLee®.

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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.

done!