



LTZ-80-A750

Shifter PCB

A750 to 80 Series Shifter Swap

Caution: Read through the entire instructions before starting the installation of this product. This product is designed with an easy installation in mind. However, this kit does involve mechanical and electrical skills. If you are uncertain of whether you can install this kit or not, bring the kit to an automotive electrician for install.

WARNING: When shifting the vehicle out of park, it may roll. Be sure to block the tires, turn on the parking brake and take precautions to keep the vehicle from rolling.

How the PCB operates the shifter:

This circuit board uses contactless magnetic switches to control the electronic manual shift from 5th gear to 4th (Overdrive off) and from 2nd to 1st using the O/D Off button. If you are driving in D (going fast enough to be in 5th gear) and activate the O/D Off button, the transmission will shift into 4th. Deactivating the button will shift back to 5th gear.

If you are driving in L the transmission will be in 2nd gear with the O/D off button deactivated. If you activate the O/D off button, the transmission will shift into 1st gear.

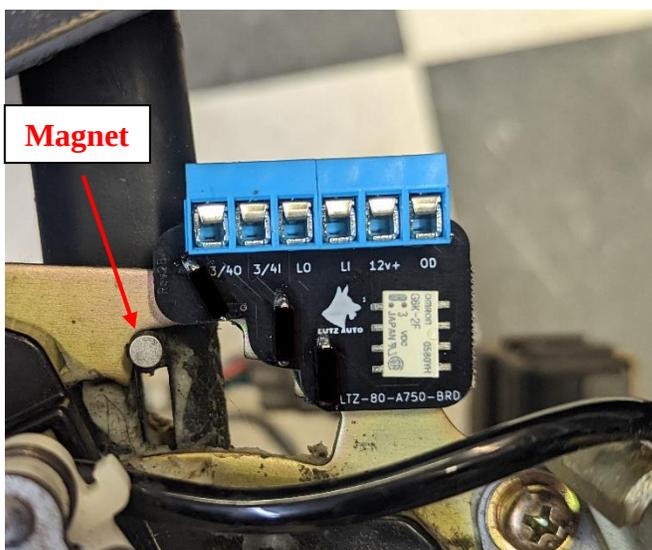
Installing the PCB and Magnet

The circuit board sticks to the shifter using very strong VHB tape. The shifter will have grease on it that needs to be COMPLETELY cleaned off. We use isopropyl alcohol for this. The VHB tape will stick very well if all of the grease is cleaned off. If your board does not stick correctly, you did not get all of the grease off. We have included extra VHB tape just in case. You can replace the VHB tape, trim it to the shape of the board and try again.

The circuit board needs to be stuck in the orientation and location in the photo. The board should be very close to and aligned with the shift gate pattern.

There is a magnet taped to these instructions [HERE](#) →

You will need to use some super glue to glue the magnet to the shift gate pin shown below. You will need to shift the shifter out of park to do this. **WARNING:** When shifting the vehicle out of park, it may roll. Be sure to block the tires, turn on the parking brake and take precautions to keep the vehicle from rolling.





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Wiring the PCB

The PCB should be wired according to the diagram below. The connector comes pre-wired, but you will need to splice in the 80 series shifter O/D button – one wire to the pcb and the other to ground. You will also need to connect a Key-On 12V+ power source of your choice to the pcb.

