

## 2011 e89 Z4 upgrade from push/pull shifters to left/right pull

### Parts Req'd

- Left down/right up pull shift levers
  - Available from ECS: <http://www.ecstuning.com/Search/32306799619/ES2537238/>
    - Includes new screws. Old screws are reusable.
  - Available from mybimmerparts.com
  - Also available from the dealer
- 2011 e89 Z4 with push/pull shift levers

### Tools Req'd

- 10mm socket and wrench
- Long thin screwdriver
- T15 Screwdriver
- T25 Screwdriver

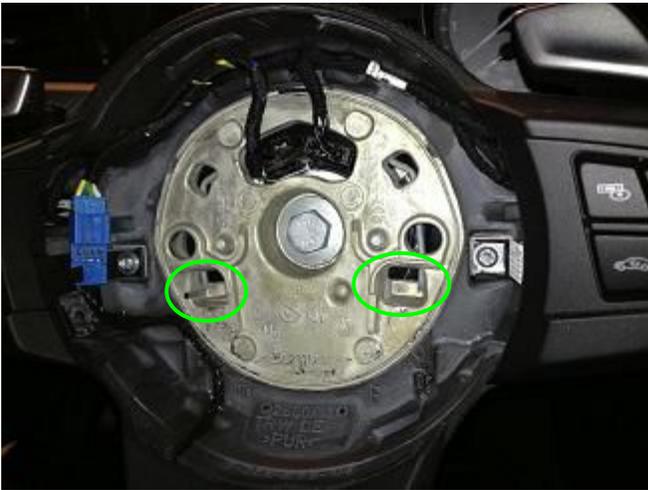
### Process

- Disconnect the battery
- Let the car sit for at least an hour to discharge any remaining juice from the airbag
- Remove the airbag
  - There's a hole on each side of the steering wheel at about 5 and 7 o'clock



- Insert the long thin screwdriver into each side, nearly vertically, and compress the spring to release each side of the airbag

- Note the springs to each side; these are what you're aiming for



- Disconnect the wire harness and set the airbag off to the side. Make a note of how the posts coming out of the back of the airbag line up with the holes in the steering wheel frame (arrow in blue)



- Remove the multifunction buttons
  - Using the T15 bit, remove the screw that holds in each set of multifunction buttons



- Pull the multifunction buttons and their surrounding trim out of the steering wheel. It seems easiest to start with the lower inside corner. They're held in by the two tabs you see sticking out



- Remove the old shift levers
  - There is a wire that runs from the right shift lever to the left. It's routed in the little channel that arcs across the top of the wheel. Pull the wires out of the channel.
  - Disconnect the wire harness from the left shift lever (connector circled in red, previous pic). It may be easier to remove with the shift lever partially removed from the wheel.
  - Use the T25 screwdriver to remove the screw holding the left shift lever in place (circled in green, previous pic) and remove the shift lever
  - Remove the screw holding the right shift lever (circled in green, previous pic)
  - Loosen the right shift lever; remove the wire harness connected to it (may be easier to remove with the lever partially removed from the wheel - connector circled in blue, previous pic), and feed the cable that went to the left shift lever through the hole while removing the right shift lever
- Install the new shift levers

- Push the left shift lever in through the back of the wheel and screw it down using the new screw provided
- Feed the wire from the right shift lever through the hole. Pull the wire through as you push the right shift lever into place from behind the steering wheel and screw it down
- Connect the wire from the right shift lever to the left shift lever. The harness is assymetrical and will only connect in the correct orientation
- Plug the connector from the steering wheel into the right shift lever
- Stuff the wire into the channel arcing across the top of the steering wheel
- Replace what was removed
  - Push the multifunction buttons back into place
  - Replace the T15 screw that holds each multifunction button set
  - Stuff the remaining wires back into the channel in the steering wheel



- The blue connector on the left slides under a tab on the left multifunction button assembly



- Partially line up the airbag pins with their holes



- Reconnect the airbag wiring
- Push the airbag firmly into place – it will clip back in place
- Reconnect the battery
- Test drive

