

# Steering Column Services

## GM Ignition Switch Replacement Instructions

This design is used on most GM vehicles beginning in 1995 and includes cars and trucks with both tilt or non-tilt column designs.

The vehicle used in this example is a 2003 Buick Regal. This section will detail the disassembly of the upper steering column and the replacement of the ignition switch and harness leading to the bulk connector.



### DISASSEMBLY

Step-by-step procedures are as follows:

- 1) Set the wheels in the straight-ahead position before beginning.

Then disconnect the battery.

- 2) Remove the lower sound insulator panel to gain access. On some vehicles, there are multiple panels. You will need access between the kick panel and the center floor hump

**THIS IS PAGE 1 OF A 6 PAGE (18 STEP) SET OF INSTRUCTIONS**



4) Remove the lower dash panel, On some models, the instrument cluster face panel will need to be removed first to gain access to hidden screws securing this panel. This model simply snaps off after 1 bolt on the bottom is removed.



5) Remove the knee bolster panel. This is secured by 4 7mm bolts and 4 10mm bolts.



6) Remove the tilt release lever. This plastic lever snaps out of the housing by pulling firmly towards the door.





7) Remove the lower steering column shroud. Most GM vehicles have 2 20 torx bolts securing them to the column. This model simply snaps off after 1 bolt on the bottom is removed.



8) Remove the lower cover by pushing it towards the front of the car to release the front plastic hook tabs securing the upper and lower covers together.



9) Cut the multiple ties straps securing the wire harnesses to the column and other harnesses



10) Remove the upper steering column shroud. Most GM vehicles have 1 inverted torx bolts securing the cover to the column. This bolt is hard to see, but is mounted as shown.



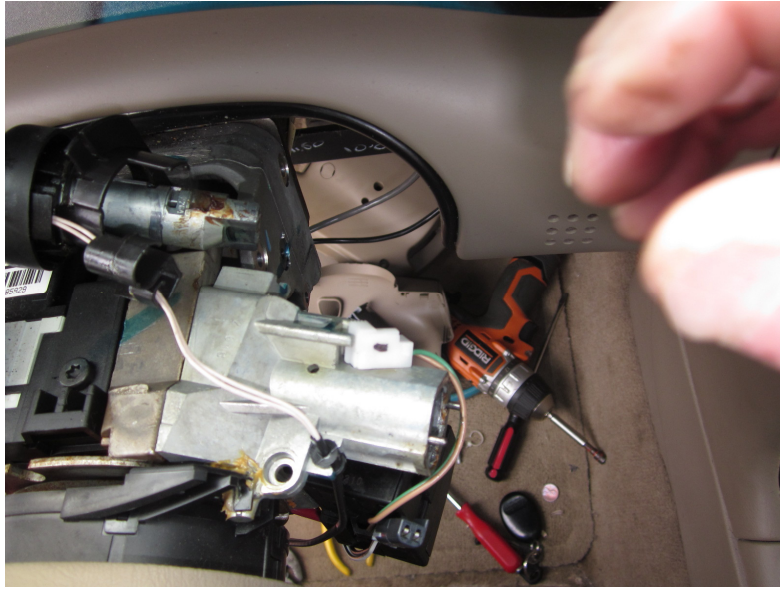
11) Remove the upper cover by pushing it towards the front of the car to release the front plastic lip from under the steering wheel.

**BE VERY CAREFUL NOT TO DAMAGE THE 4-WAY BUTTON ON THE TOP OF THE COLUMN!!!**



12) Remove the lock cylinder. This step may need to be performed before you can take the upper cover off on some models. In order to do this you will need to locate the access hole in the upper housing. Turn the ignition switch to the "Start" position with one hand. While in that position, with the other hand, depress the pin inside this hole and slide the lock cylinder out.

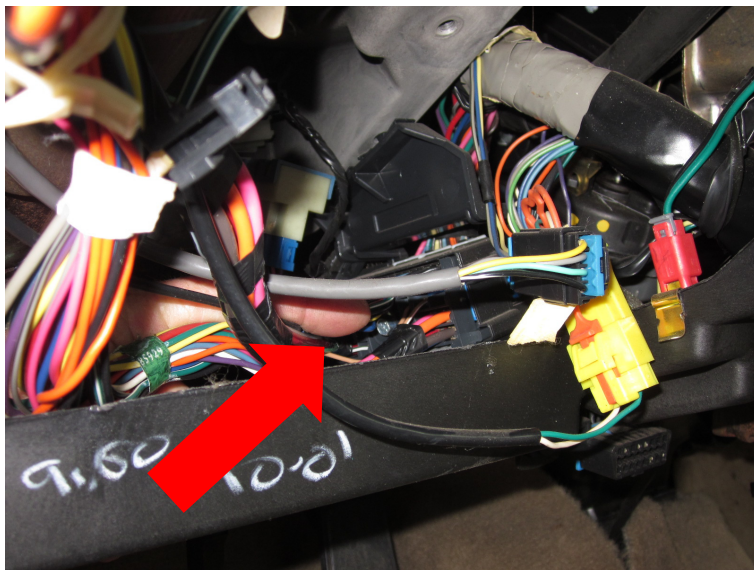




13) Remove the key warning buzzer contact. This is held in place by a plastic tab located on the inside of the contact. Depress the tab and rotate the contact assembly clockwise to release it.



14) Remove the 2 bolts securing the ignition switch to the housing.



15) Remove the bulk connector located under the dash. This '60 pin' connector is secured to the dash harness by 1 7mm red colored hex head bolt in the center of the connector. The bolt will not come out, but the connector will separate once unscrewed.



16) Remove the switch and harness from the column to gain access to the bulk connector.



17) Split the connector by sliding the turn signal switch and wiper switch connectors out of the bulk connector. They are held in place by a small tab on the inside edge. Gently pry the tab while sliding the connectors apart.



18) Remove the switch and harness from the car