

2007 GM Steering Wheel Replacement

Tools Required:

Allen Wrench: approx. 1/16" width
 #20 and #30 Torx Bit
 Steering Wheel Puller w/ GM legs

small screw driver
 21 mm or 13/16" socket
 Small hand pliers (needle nose)


Diagnostic Pre-Test:

1. Insert key and turn to ignition power.
2. Observe airbag lamp indicator flash during diagnostic test. (see picture 1)
3. If lamp indicator remains on, do not perform steering wheel removal. Have problem repaired before proceeding. If lamp indicator turns off, then continue forward with procedure.



Preparation:

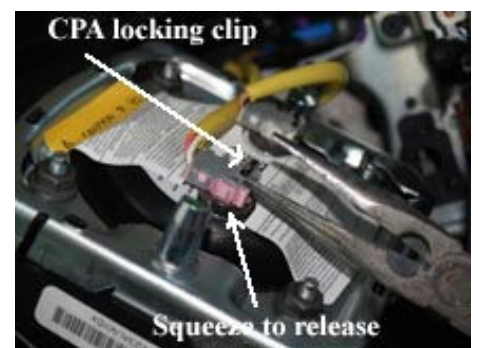
1. Align steering wheel to point front tires straight ahead. This will give you a reference point when re-installing the steering wheel on the column later.

Disarm Airbag System:

1.  Disconnect negative battery terminal. Both terminals maybe disconnected, if so, remove the negative terminal first. (see picture 2)
2. Wait 10 minutes for reserve capacitor charge to discharge within the SDM module.

Airbag Removal:

1. Using an Allen wrench, insert into the side airbag access hole to depress latch pin holding airbag. Perform on each side of airbag. (see picture 3)
 Note: latch pin is about 1.25 – 1.5 inches from entrance hole.
2. Once both sides of airbag retention clips have been released, turn airbag around to gain access to the airbag connectors on back side. (see picture 4)
3.  Gently, lift CPA (Connector Position Assurance) clip from inside of each airbag connector. (see picture 4)
 Note: Use needle nose pliers or small screw driver. Retain CPA clip for replacement later.
4.  To release airbag connector(s), squeeze side clips then separate from airbag. (see picture 4)
 Note: can use needle nose pliers here.
5. Set airbag aside faced up out of the way.
 Note: Do not face airbag towards you when carrying.
 Do not place airbag near high temperatures.
 Do not drop airbag or any airbag system component.



Steering Wheel Removal:

1. Disconnect steering wheel wiring harness from coil connector plug. Use small screw driver to release. (see picture 5)
2. Loosen, but do not remove, steering wheel shaft nut on the steering wheel shaft. (13/16" socket)
Note: Sometimes the steering wheel is excessively tight on the shaft and may want to pop off the column during removal. By leaving the nut on the shaft, nearly off but still threaded, this will add a measure of protection in the event the wheel wants to pop off. (see picture 6)
3. Using a steering wheel puller with G.M. legs, loosen the steering wheel from the column. (see pictures 7 and 8)

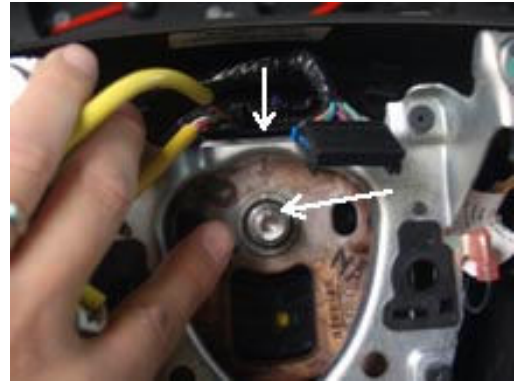


4. Once steering wheel has been loosened with the steering wheel puller, remove nut from shaft. (Picture 9)
5. Carefully remove steering wheel off column making sure to not do damage airbag connector leads in the process. (picture 10)



Steering Wheel Installation:

1. Install **AUTOWOODS** WoodGrain steering wheel onto steering wheel shaft. Align arrow on frame with alignment notch on column shaft. Careful to also bring in yellow airbag connector(s) between wheel frame and rear plastic cover as seen in picture. (see picture 11)



2. Install/Connect shaft column nut and tighten to 30 ft./lb. torque with torque wrench. (see picture 6)

3. To connect airbag, squeeze side clips on each connector side while pushing into color matching airbag receptacle. (one white and one pink) (see picture 12)

Finish connection by inserting CPA, connector position assurance, clip into the connector. (see picture 4)



3. Install airbag into steering wheel mounting frame. Note: You will feel or hear a one time click when the airbag clips into place.

Re-Arm and Re-Test:

1. Connect Negative battery cable. (see picture 2)
2. Insert key and turn to ignition power for self diagnostic test. Observe airbag indicator lamp on dash. If lamp flashes then turns off, your installation is complete. If lamp remains on, check the following:
 - a) Disarm and remove airbag as described above.
 - b) Inspect steering wheel wiring harness connection to coil. (remove and reconnect)
 - c) Inspect each of the airbag connectors to make sure the CPA is in place.
 - d) Re-install and perform another diagnostic test to ensure airbag lamp indicator turns off.

Congratulations! You've successfully installed your Autowoods 2007+ Wood Grain steering wheel. Take a picture and send it into info@autowoods.com with a brief description of your experience. Let us know if we can make improvements with this installation guide.

