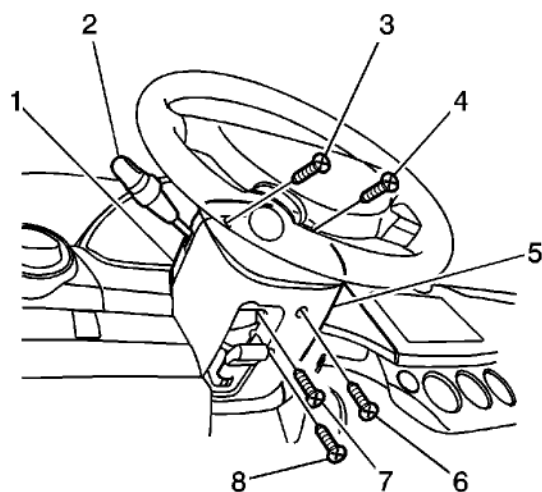


Fastener Tightening Specifications

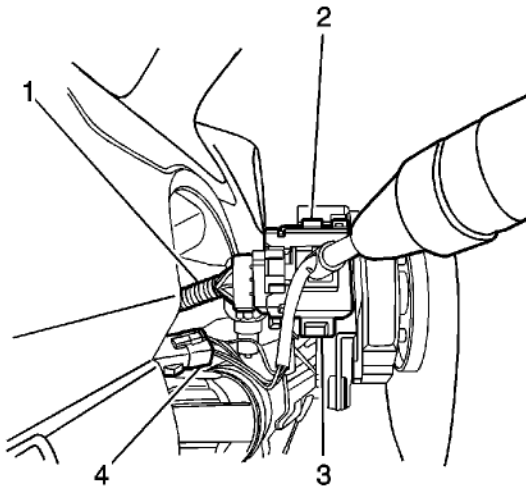
Application	Specification	
	Metric	English
Coupling Flange Pinch Bolt	22 N·m	16 lb ft
Ignition Switch Housing Sheer Bolts	11 N·m	97 lb in
Ignition Switch Retaining Screw	2 N·m	18 lb in
Key Interlock Solenoid Screws	2 N·m	18 lb in
Key Reminder Switch Screws	2 N·m	18 lb in
Lower Instrument Trim Panel Screws	3 N·m	27 lb in
Lower Steering Column Cover Panel Screws	3 N·m	27 lb in
Steering Column Jacket Assembly Bracket Nuts	22 N·m	16 lb ft
Steering Wheel Nut	38 N·m	28 lb ft
Support Housing Screws	16 N·m	12 lb ft
Tilt Steering Lever Cap Screw	4 N·m	35 lb in
Turn Signal Switch Housing Screws	3 N·m	27 lb in
Upper and Lower Steering Column Cover Panel Screws	3 N·m	27 lb in

Turn Signal Multifunction Switch Replacement (Notchback)

Removal Procedure

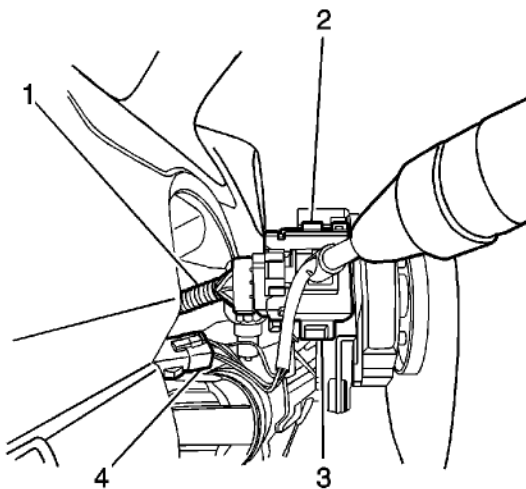


1. Disconnect the negative battery cable. Refer to [Battery Negative Cable Disconnection and Connection](#).
2. Remove the lower steering column cover panel screws (6, 7, 8).
3. Turn the steering wheel in order to access the upper steering column cover panel screws (3, 4). Remove the upper steering column cover panel screws.
4. Remove the upper steering column cover panel (1) and the lower steering column cover panel (5).

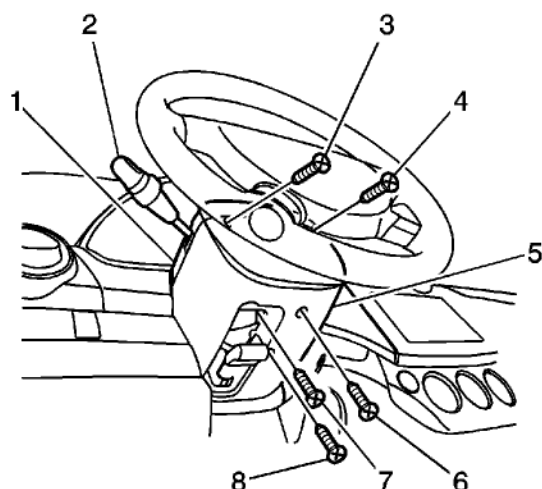


5. Remove the turn signal switch by pushing in on the tabs (2, 3) on either side of the switch housing.
6. Disconnect the electrical connectors (1, 4) from the turn signal switch.

Installation Procedure



1. Connect the electrical connectors (1, 4) to the turn signal switch.
2. Install the turn signal switch into the switch housing.



3. Install the upper steering column cover panel (1) and the lower steering column cover panel (5).

Notice: Refer to [Fastener Notice](#) in the Preface section.

4. Install the lower steering column cover panel screws (6, 7, 8).

Tighten

Tighten the lower steering column cover panel screws to 3 N·m (27 lb in).

5. Turn the steering wheel in order to access the upper steering column cover panel screw holes. Install the upper steering column cover panel screws (3, 4).

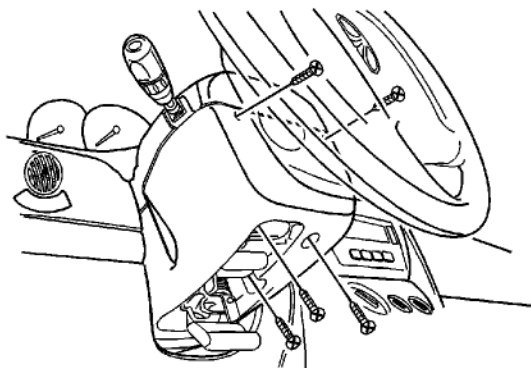
Tighten

Tighten the upper steering column cover panel screws to 3 N·m (27 lb in).

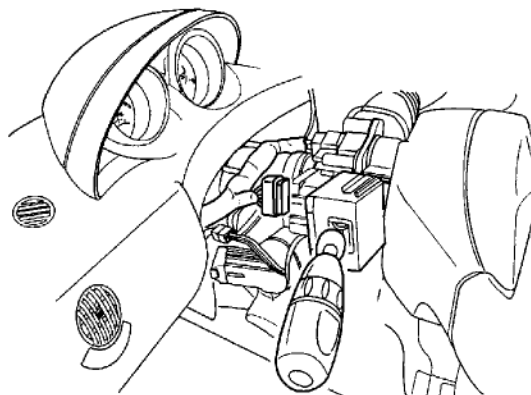
6. Connect the negative battery cable. Refer to [Battery Negative Cable Disconnection and Connection](#).

Turn Signal Multifunction Switch Replacement (Hatchback)

Removal Procedure



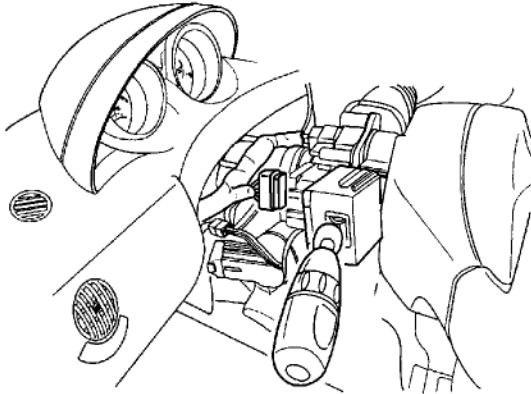
1. Disconnect the negative battery cable. Refer to [Battery Negative Cable Disconnection and Connection](#).
2. Remove the lower steering column cover panel screws.
3. Turn the steering wheel in order to access the upper steering column cover panel screws. Remove the upper steering column cover panel screws.
4. Remove the upper and the lower steering column cover panels.



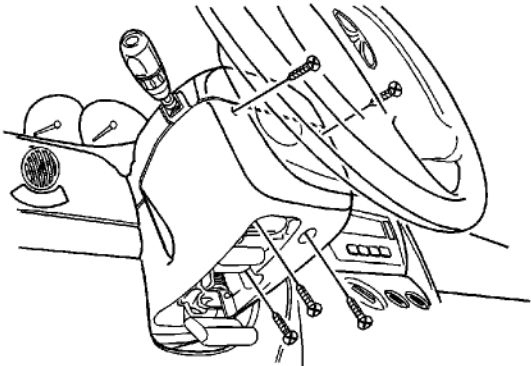


5. Remove the turn signal switch by pushing in on the tabs on either side of the switch housing.
6. Disconnect the electrical connectors from the turn signal switch.

Installation Procedure



1. Connect the electrical connectors to the turn signal switch.
2. Install the turn signal switch into the switch housing.



3. Install the upper and the lower steering column cover panels.

Notice: Refer to [Fastener Notice](#) in the Preface section.

4. Install the lower steering column cover panel screws.

Tighten

Tighten the lower steering column cover panel screws to 3 N·m (27 lb in).

5. Turn the steering wheel in order to access the upper steering column cover panel screw holes. Install the upper steering column cover panel screws.

Tighten

Tighten the upper steering column cover panel screws to 3 N·m (27 lb in).

6. Connect the negative battery cable. Refer to [Battery Negative Cable Disconnection and Connection](#) .

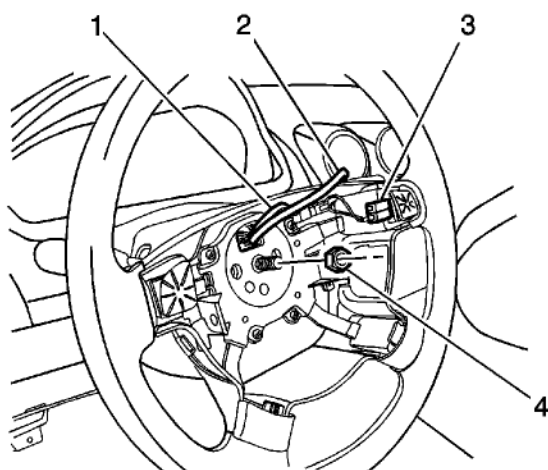
Steering Wheel Replacement (Notchback)

Tools Required

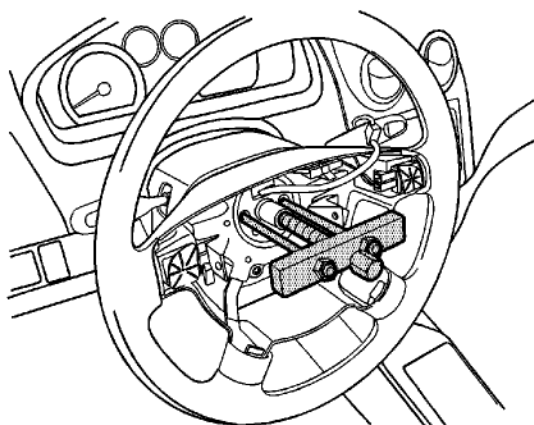
[KM-210-A](#) Steering Wheel Puller

Removal Procedure

1. Disconnect the negative battery cable. Refer to [Battery Negative Cable Disconnection and Connection](#).
2. Remove the SIR module. Refer to [Inflatable Restraint Steering Wheel Module Replacement](#).



3. Place match marks on the steering wheel and on the steering column shaft.
4. Disconnect the horn connector.
5. Remove the steering wheel nut (4) and the retaining clip.

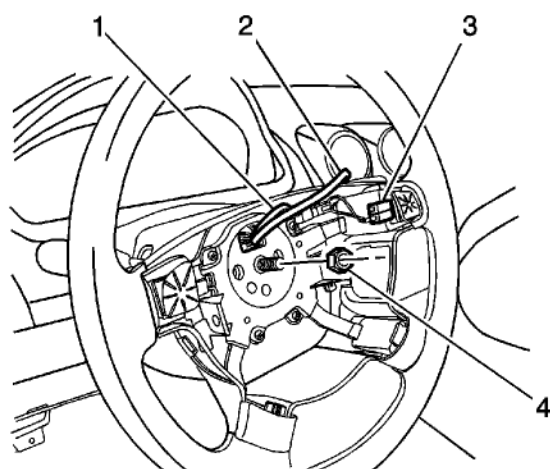


6. Remove the steering wheel using the [KM-210-A](#).
7. Unclip the contact ring from the steering wheel, if necessary.

Installation Procedure

1. Clip the contact ring on the steering wheel, if necessary.
2. Align the match marks on the steering wheel and the steering column shaft. Turn the signal-canceling cam on the wheel to the left.

Notice: Refer to [Fastener Notice](#) in the Preface section.



3. Install the retaining clip and the steering wheel nut (4).

Tighten

Tighten the steering wheel nut to 38 N·m (28 lb ft).

4. Bend the tabs to secure the retaining clip.
5. Install the SIR module. Refer to [Inflatable Restraint Steering Wheel Module Replacement](#).
6. Connect the negative battery cable. Refer to [Battery Negative Cable Disconnection and Connection](#).

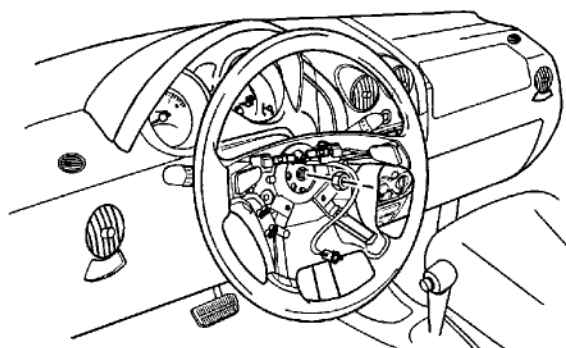
Steering Wheel Replacement (Hatchback)

Tools Required

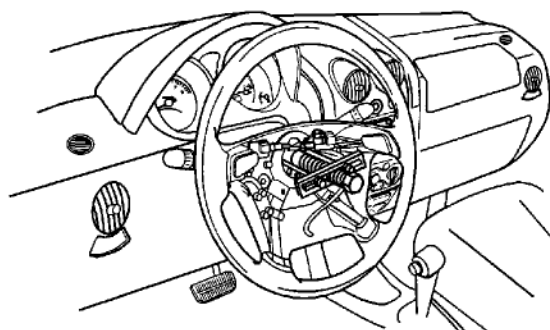
- [KM-210-A](#) Steering Wheel Puller
- [J 36541-A](#) Steering Wheel Puller Legs
- [J 1859-A](#) Steering Wheel Puller

Removal Procedure

1. Disconnect the negative battery cable. Refer to [Battery Negative Cable Disconnection and Connection](#).
2. Remove the SIR module. Refer to [Inflatable Restraint Steering Wheel Module Replacement](#).

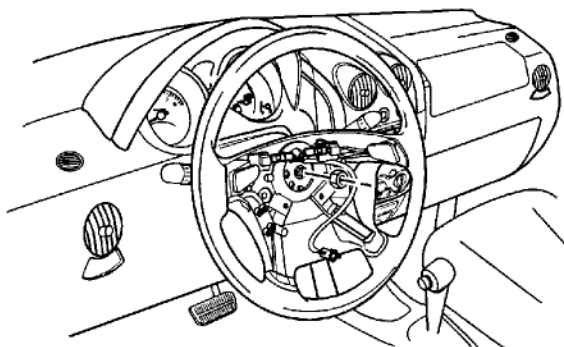


3. Place match marks on the steering wheel and on the steering column shaft.
4. Remove the steering wheel nut and the retaining clip.



5. Remove the steering wheel using the [KM-210-A](#) or the [J 1859-A](#) with the [J 36541-A](#).
6. Unclip the contact ring from the steering wheel, if necessary.

Installation Procedure



1. Clip the contact ring on the steering wheel, if necessary.
2. Align the match marks on the steering wheel and the steering column shaft. Turn the signal-canceling cam on the wheel to the left.

Notice: Refer to [Fastener Notice](#) in the Preface section.

3. Install the retaining clip and the steering wheel nut.

Tighten

Tighten the steering wheel nut to 38 N·m (28 lb ft).

4. Bend the tabs to secure the retaining clip.
5. Install the SIR module. Refer to [Inflatable Restraint Steering Wheel Module Replacement](#) .
6. Connect the negative battery cable. Refer to [Battery Negative Cable Disconnection and Connection](#).

Steering Column Replacement (Notchback)

Important: Remove the steering column only if:

- The steering column requires replacement.
- The steering and the ignition lock housing require replacement.
- Another operation requires the removal of the steering column.

Removal Procedure

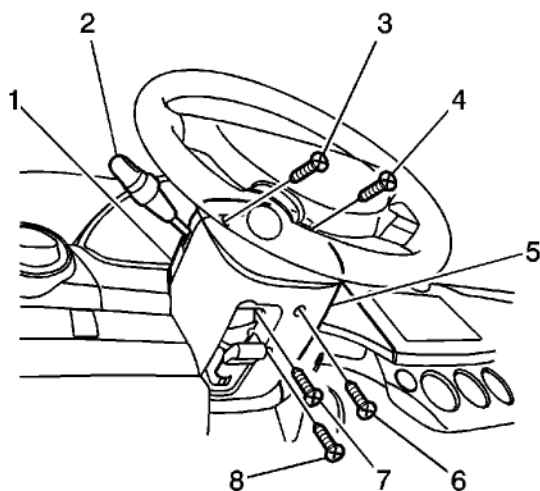
Notice: Refer to [Steering Column in Lock Position Notice](#) in the Preface section.

Important: Ensure the front wheels are in the straight-ahead position.

1. Adjust the steering wheel to the straight-ahead position.

Caution: The sensing and the diagnosis module (SDM) can maintain sufficient voltage to deploy the airbags and pretensioners for up to 1 minute after the ignition has been turned OFF and the fuse has been removed. If the airbags and pretensioners are not disconnected, do not begin service until one minute has been passed after disconnecting power to the SDM. Failure to do so may cause personal injury.

2. Disconnect the negative battery cable and let the vehicle sit for 1 minute. Refer to [Battery Negative Cable Disconnection and Connection](#).

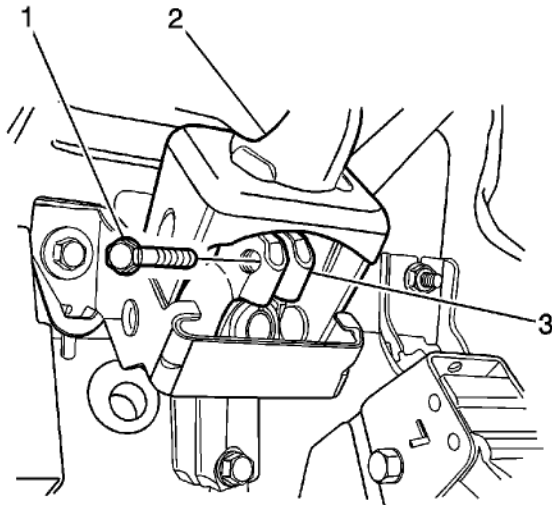


3. Remove the lower steering column cover panel screws (6, 7, 8).
4. Turn the steering wheel in order to access the upper steering column cover panel screws (3, 4). Remove the upper steering column cover panel screws.
5. Remove the upper steering column cover panel (1) and the lower steering column cover panel (5).
6. Remove the switch levers. Refer to [Turn Signal Multifunction Switch Replacement](#) and to

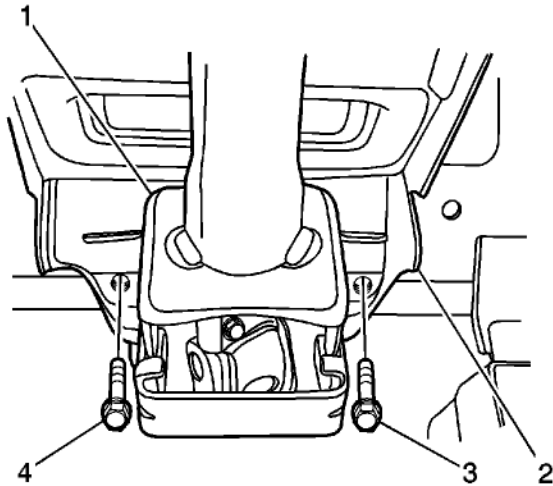
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[Windshield Wiper and Washer Switch Replacement.](#)

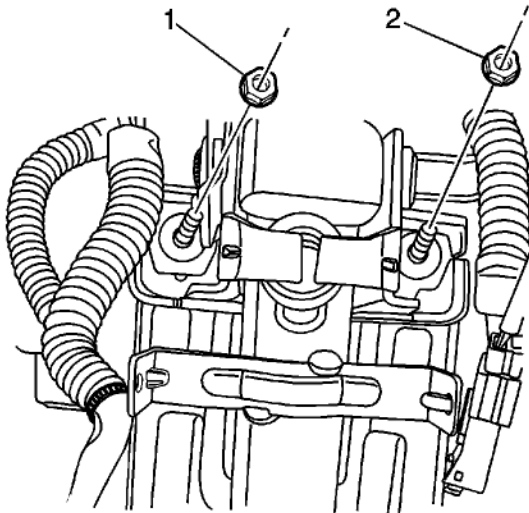
7. Using a taped flat-bladed tool, gently pry and remove the instrument panel lower cover in order to access the steering column.
8. Remove the inflatable restraint steering wheel module. Refer to [Inflatable Restraint Steering Wheel Module Replacement](#).
9. Remove the steering wheel. Refer to [Steering Wheel Replacement](#).
10. Remove the inflatable restraint steering wheel module coil. Refer to [Inflatable Restraint Steering Wheel Module Coil Replacement](#).
11. Remove the theft deterrent control module. Refer to [Theft Deterrent Module Replacement](#).
12. Remove the following components. Refer to [Ignition Lock Cylinder Replacement](#).
 - 12.1. The key reminder switch screws
 - 12.2. The key reminder switch
 - 12.3. The key hole illumination screw
 - 12.4. The key hole illumination
 - 12.5. The ignition switch
 - 12.6. The ignition lock cylinder



13. Remove the pinch bolt (1) from the upper steering shaft coupling flange (3).



14. Remove the bolts (3, 4) holding the steering column jacket assembly lower bracket.



15. Remove the nuts (1, 2) holding the steering column jacket assembly upper bracket.

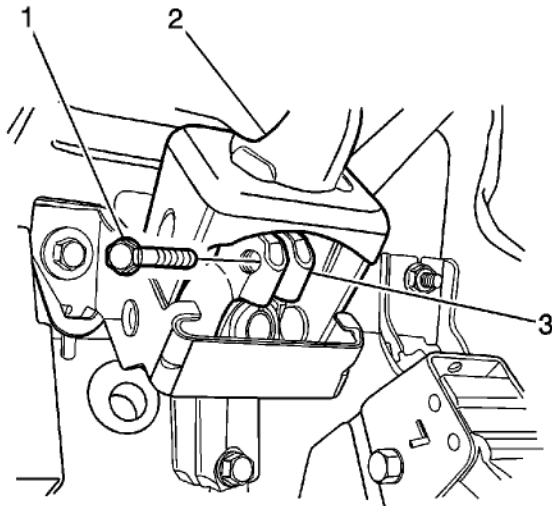
Notice: Once the steering column is removed from the vehicle, the column is extremely susceptible to damage. Dropping the column assembly on the end could collapse the steering shaft or loosen the plastic injections, which maintain column rigidity. Leaning on the column assembly could cause the jacket to bend or deform. Any of the above damage could impair the columns collapsible design. Do NOT hammer on the end of the shaft, because hammering could loosen the plastic injections, which maintain column rigidity. If you need to remove the steering wheel, refer to the Steering Wheel Replacement procedure in this section.

16. Guide the steering column assembly out of the steering shaft flange and carefully lay down the assembly.

Installation Procedure

Important: For proper installation of the steering column, ensure the front wheels are in the straight-ahead position.

1. Place the alignment bushing onto the end of the steering column shaft.



Important: Provide support for the steering column assembly until the mounting nuts are fastened. Do not let the steering column assembly hang unsupported.

2. Carefully guide the steering shaft into the steering shaft coupling flange (3).

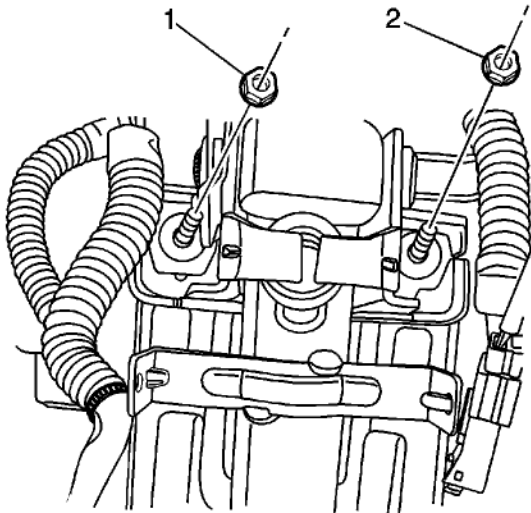
Notice: Refer to [Fastener Notice](#) in the Preface section.

3. Install the pinch bolt (1) into the non-threaded hole of the flange.

Tighten

Tighten the pinch bolt to 22 N·m (16 lb ft).

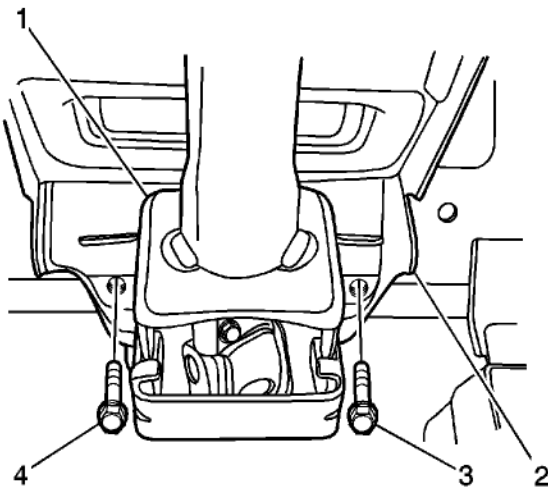
4. Slide the alignment bushing into the steering column housing.



5. Install the nuts (1, 2) to the of the steering column jacket assembly front bracket.

Tighten

Tighten the nuts to 22 N·m (16 lb ft).



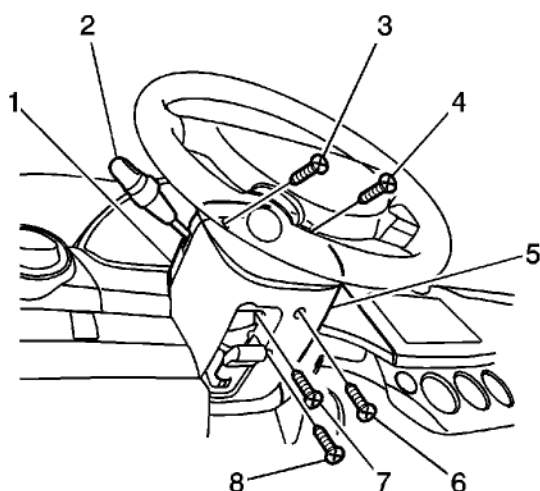
6. Install the bolts (3, 4) to the rear bracket of the steering column jacket assembly.

Tighten

Tighten the bolts to 22 N·m (16 lb ft).

7. Install the following components. Refer to [Ignition Lock Cylinder Replacement](#).
- 7.1. The ignition lock cylinder

- 7.2. The ignition switch
- 7.3. The key hole illumination
- 7.4. The key hole illumination screw
- 7.5. The key reminder switch
- 7.6. The key reminder switch screws
8. Install the theft deterrent control module. Refer to [Theft Deterrent Module Replacement](#).
9. Install the inflatable restraint steering wheel module coil. Refer to [Inflatable Restraint Steering Wheel Module Coil Replacement](#).
10. Install the steering wheel. Refer to [Steering Wheel Replacement](#).
11. Install the inflatable restraint steering wheel module. Refer to [Inflatable Restraint Steering Wheel Module Replacement](#).
12. Install the instrument panel lower cover.
13. Install the switch levers. Refer to [Turn Signal Multifunction Switch Replacement](#) and to [Windshield Wiper and Washer Switch Replacement](#).



14. Install the upper steering column cover panel (1) and the lower steering column cover panel (5).
15. Install the lower steering column cover panel screws (6, 7, 8).

Tighten

Tighten the lower steering column cover panel screws to 3 N·m (27 lb in).

16. Turn the steering wheel in order to access the upper steering column cover panel screw holes. Install the upper steering column cover panel screws (3, 4).

Tighten

Tighten the upper steering column cover panel screws to 3 N·m (27 lb in).

17. Verify the steering wheel is in the straight-ahead position. Refer to [Straight Ahead Inspection](#).
18. Connect the negative battery cable. Refer to [Battery Negative Cable Disconnection and Connection](#).

Steering Column Replacement (Hatchback)

Important: Remove the steering column only if:

- The steering column requires replacement.
- The steering and the ignition lock housing require replacement.
- Another operation requires the removal of the steering column.

Removal Procedure

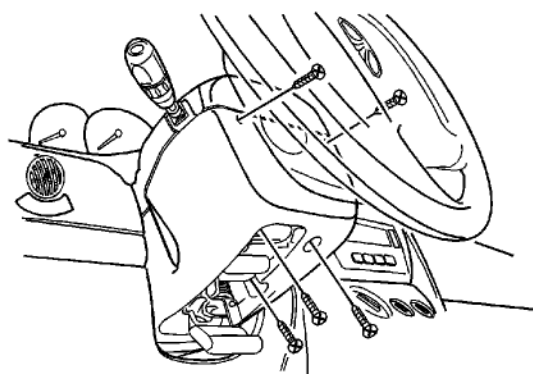
Notice: Refer to [Steering Column in Lock Position Notice](#) in the Preface section.

Important: Ensure the front wheels are in the straight-ahead position.

1. Adjust the steering wheel to the straight-ahead position.

Caution: The sensing and the diagnosis module (SDM) can maintain sufficient voltage to deploy the airbags and pretensioners for up to 1 minute after the ignition has been turned OFF and the fuse has been removed. If the airbags and pretensioners are not disconnected, do not begin service until one minute has been passed after disconnecting power to the SDM. Failure to do so may cause personal injury.

2. Disconnect the negative battery cable and let the vehicle sit for 1 minute. Refer to [Battery Negative Cable Disconnection and Connection](#).

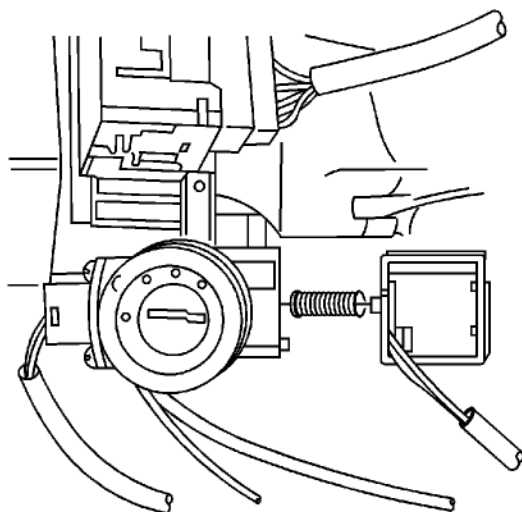


3. Remove the lower steering column cover panel screws.
4. Turn the steering wheel in order to access the upper steering column cover panel screws. Remove the upper steering column cover panel screws.
5. Remove the upper steering column cover panel and the lower steering column cover panel.
6. Remove the switch levers. Refer to [Turn Signal Multifunction Switch Replacement](#) and to

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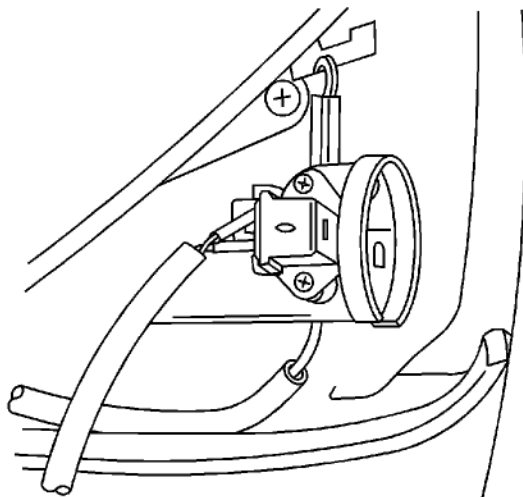
[Windshield Wiper and Washer Switch Replacement](#) .

7. Remove the screws and the lower instrument trim panel.
8. Remove the inflatable restraint steering wheel module. Refer to [Inflatable Restraint Steering Wheel Module Replacement](#) .
9. Remove the steering wheel. Refer to [Steering Wheel Replacement](#) .
10. Remove the inflatable restraint steering wheel module coil. Refer to [Inflatable Restraint Steering Wheel Module Coil Replacement](#) .
11. Remove the theft deterrent control module. Refer to [Theft Deterrent Module Replacement](#) .

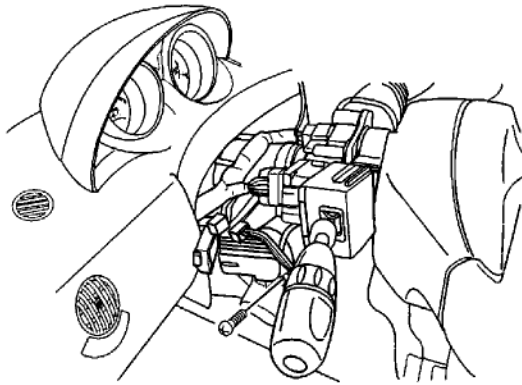


Important: Do not drop the key interlock solenoid spring.

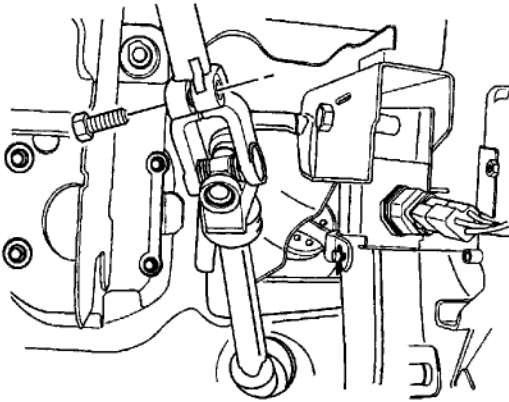
12. Remove the key interlock solenoid screws and the key interlock solenoid.



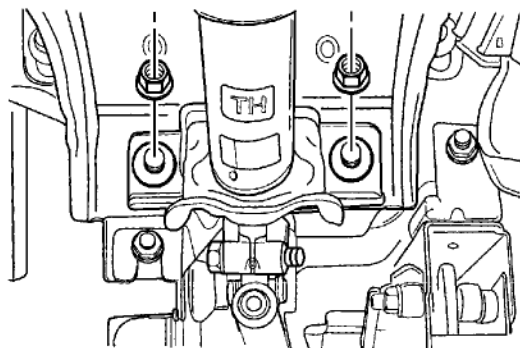
13. Remove the key reminder switch screws and the key reminder switch.



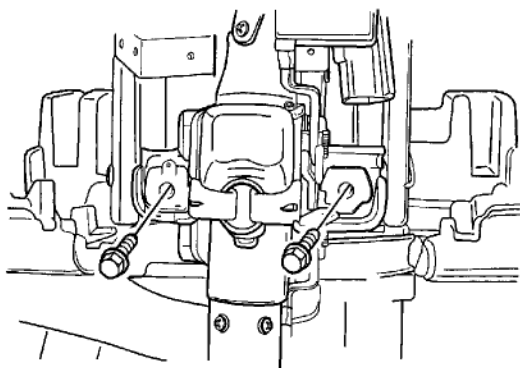
14. Disconnect the ignition switch electrical connector.



15. Remove the pinch bolt from the upper steering shaft coupling flange.



16. Remove the nuts holding the steering column jacket assembly rear bracket.

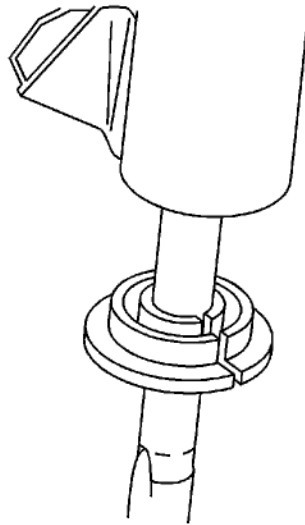


17. Remove the bolts holding the steering column jacket assembly front bracket.

Notice: Once the steering column is removed from the vehicle, the column is extremely susceptible to damage. Dropping the column assembly on the end could collapse the steering shaft or loosen the plastic injections, which maintain column rigidity. Leaning on the column assembly could cause the jacket to bend or deform. Any of the above damage could impair the columns collapsible design. Do NOT hammer on the end of the shaft, because hammering could loosen the plastic injections, which maintain column rigidity. If you need to remove the steering wheel, refer to the Steering Wheel Replacement procedure in this section.

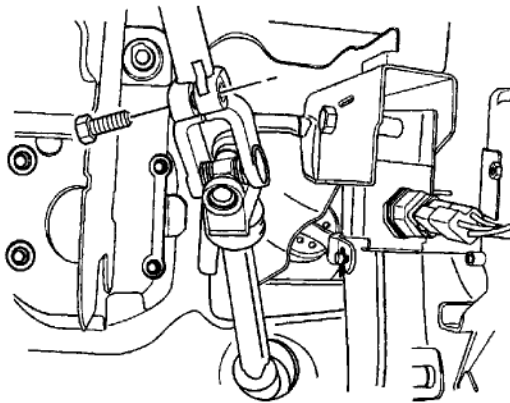
18. Guide the steering column assembly out of the steering shaft flange and carefully lay down the assembly.

Installation Procedure



Important: For proper installation of the steering column, ensure the front wheels are in the straight-ahead position.

1. Place the alignment bushing onto the end of the steering column shaft.



Important: Provide support for the steering column assembly until the mounting nuts are fastened. Do not let the steering column assembly hang unsupported.

2. Carefully guide the steering shaft into the coupling flange.

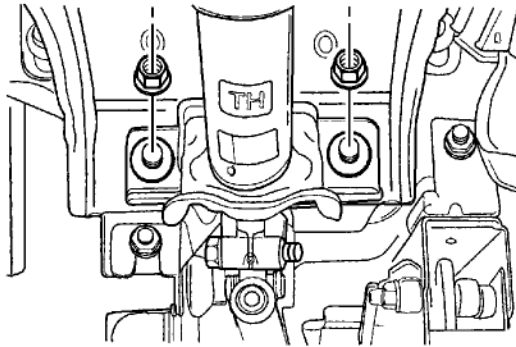
Notice: Refer to [Fastener Notice](#) in the Preface section.

3. Install the pinch bolt into the non-threaded hole of the flange.

Tighten

Tighten the pinch bolt to 22 N·m (16 lb ft).

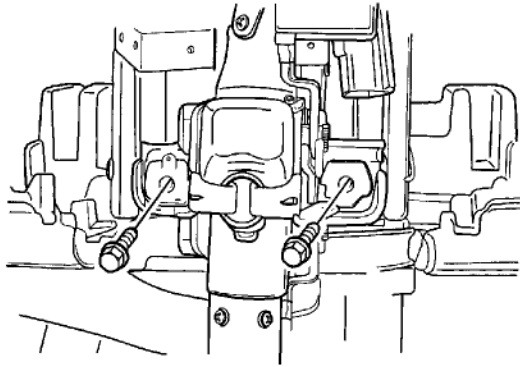
4. Slide the alignment bushing into the steering column housing.



5. Install the nuts for the rear bracket of the steering column jacket assembly.

Tighten

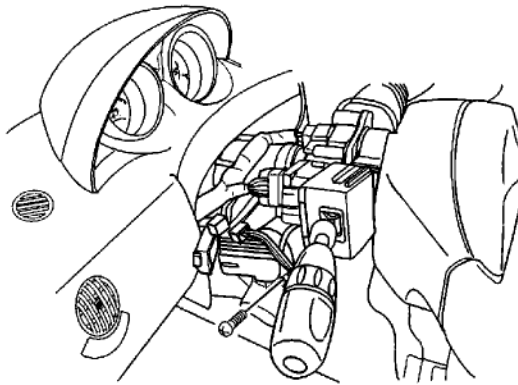
Tighten the nuts to 22 N·m (16 lb ft).



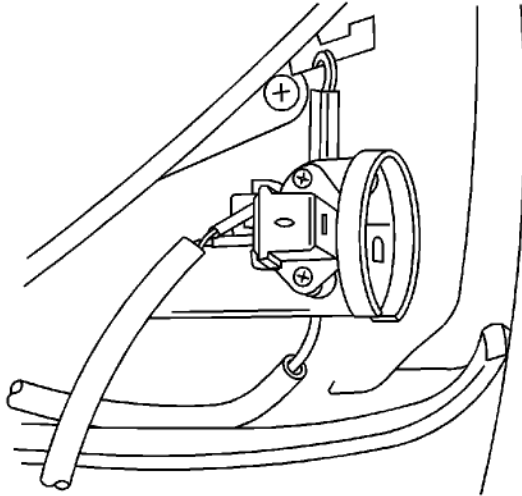
6. Install the bolts for the steering column jacket assembly front bracket.

Tighten

Tighten the bolts to 22 N·m (16 lb ft).



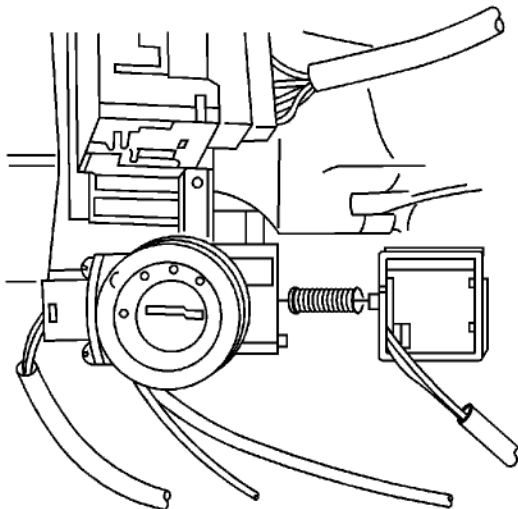
7. Connect the ignition switch electrical connector.



8. Install the key reminder switch and the key reminder switch screws.

Tighten

Tighten the screws to 2 N·m (18 lb in).



9. Install the key interlock solenoid and the key interlock solenoid screws.

Tighten

Tighten the screws to 2 N·m (18 lb in).

10. Install the theft deterrent control module. Refer to [Theft Deterrent Module Replacement](#) .
11. Install the inflatable restraint steering wheel module coil. Refer to [Inflatable Restraint](#)

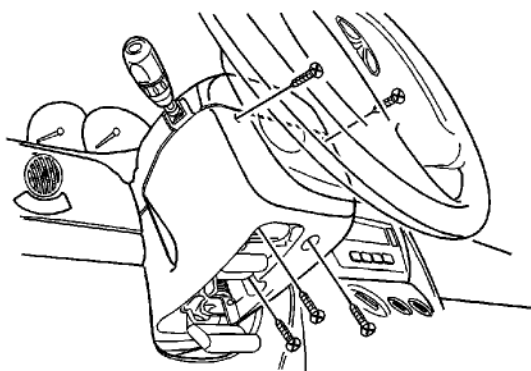
[Steering Wheel Module Coil Replacement](#) .

12. Install the steering wheel. Refer to [Steering Wheel Replacement](#) .
13. Install the inflatable restraint steering wheel module. Refer to [Inflatable Restraint Steering Wheel Module Replacement](#) .
14. Install the lower instrument trim panel and the screws.

Tighten

Tighten the screws to 3 N·m (27 lb in).

15. Install the switch levers. Refer to [Turn Signal Multifunction Switch Replacement](#) and to [Windshield Wiper and Washer Switch Replacement](#) .



16. Install the upper steering column cover panel and the lower steering column cover panel.
17. Install the lower steering column cover panel screws.

Tighten

Tighten the lower steering column cover panel screws to 3 N·m (27 lb in).

18. Turn the steering wheel in order to access the upper steering column cover panel screw holes. Install the upper steering column cover panel screws.

Tighten

Tighten the upper steering column cover panel screws to 3 N·m (27 lb in).

19. Verify the steering wheel is in the straight-ahead position. Refer to [Straight Ahead Inspection](#) .
20. Connect the negative battery cable. Refer to [Battery Negative Cable Disconnection and Connection](#) .