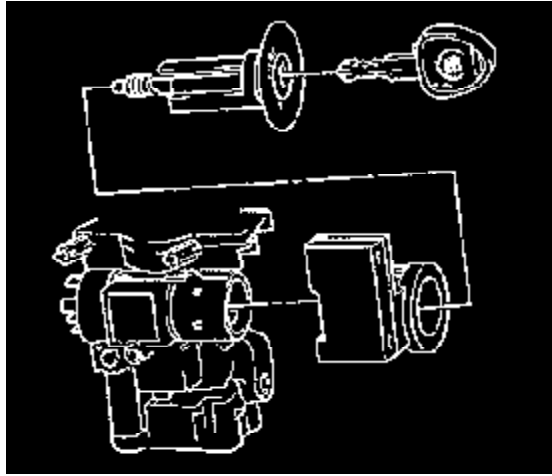


Steering Column: Service and Repair

Steering Column Replacement

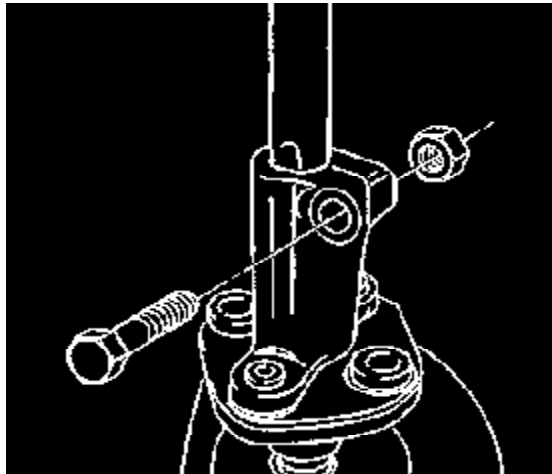
REMOVAL PROCEDURE



NOTICE: The front wheels of the vehicle must be maintained in the straight ahead position and the steering column must be in the LOCK position before disconnecting the steering column or intermediate shaft. Failure to follow these procedures will cause improper alignment of some components during installation and result in damage to the SIR coil assembly.

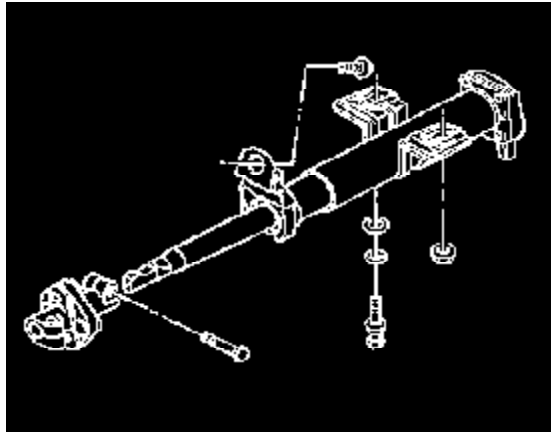
NOTICE: Once the steering column is removed from the vehicle, the column is extremely susceptible to damage. Dropping the column assembly on its end could collapse the steering shaft or loosen the plastic injections that maintain column rigidity. Leaning on the column assembly could cause the jacket to bend or deform. Any of the above damage could impair the columns collapsible design. If it is necessary to remove the steering wheel, under no condition should the end of the shaft be hammered on, as hammering could loosen the plastic injections which maintain column rigidity.

1. Disable Supplemental Inflatable Restraint (SIR) system.
2. Remove the steering wheel.
3. Remove the SIR coil.
4. Remove the ignition lock cylinder.
5. Disconnect the theft deterrent immobilizer connector.
6. Remove the immobilizer.
7. Remove the ignition switch.
8. Remove the windshield washer switch.
9. Remove the turn signal switch.
10. Remove the I/P driver knee bolster energy absorber.
11. Remove the sound insulator.

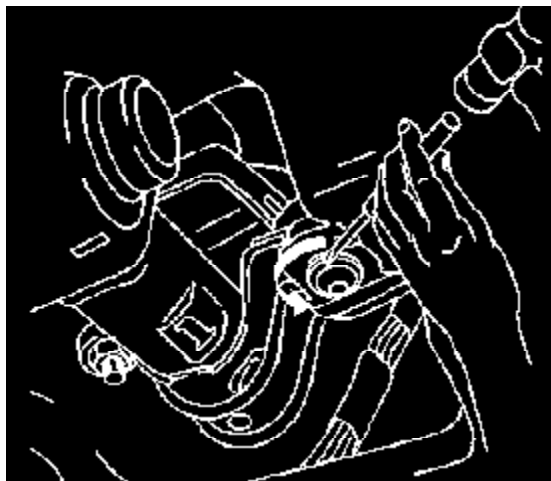


12. Remove the coupler bolt from the coupler/steering column shaft connection.

13. Slightly separate the coupler in order to allow for shaft removal.



14. Remove the forward support strap nut.



15. Using a chisel, rotate the forward support strap shear-bolt in order to remove.
16. Remove the rear support bracket bolt.

Important: Use CAUTION in the next step in order to prevent damage to the adjacent wiring.

17. Pull the steering column straight back through the dash assembly.

INSTALLATION PROCEDURE

NOTICE: If a service replacement steering column is being installed, do not remove the anti-rotation pin until after the column has been connected to the steering gear. Removing the antirotation pin before the column is connected to the steering gear may damage the SIR coil.

1. Install the steering column while carefully aligning into the lower steering coupler.
2. Hand start the following components:
 - ^ The rear support bracket bolt
 - ^ The forward support strap nut
 - ^ A new forward support shear-bolt
3. Tighten the following components:
 - ^ Tighten the rear support bracket bolt to **22 Nm (16 ft. lbs.)**.
 - ^ Tighten the forward support strap nut to **22 Nm (16 ft. lbs.)**.
 - ^ Tighten the new forward support shear-bolt to **21 Nm (15 ft. lbs.)**.
4. Install the coupler/steering column shaft connection bolt.
 - ^ Tighten the bolt to **22 Nm (16 ft. lbs.)**.
5. Install the sound insulator.
6. Install the I/P driver knee bolster energy absorber.
7. Install the turn signal switch.

8. Install the windshield washer switch.
9. Install the ignition switch.
10. Install the immobilizer.
11. Connect the immobilizer connector.
12. Install the ignition lock cylinder.
13. Install the SIR coil.
14. Install the steering wheel.
15. Enable the SIR system.