

STEERING WHEEL

Removal

1. Before proceeding, see **SERVICE PRECAUTIONS** . Disable air bag system. See **DISABLING & ACTIVATING AIR BAG SYSTEM** .
2. Remove driver-side air bag module. See **AIR BAG MODULES** . Scribe mark on steering shaft and steering wheel to ensure proper alignment during installation. Remove steering wheel nut. Using Steering Wheel Puller (J-1859-A) remove steering wheel.

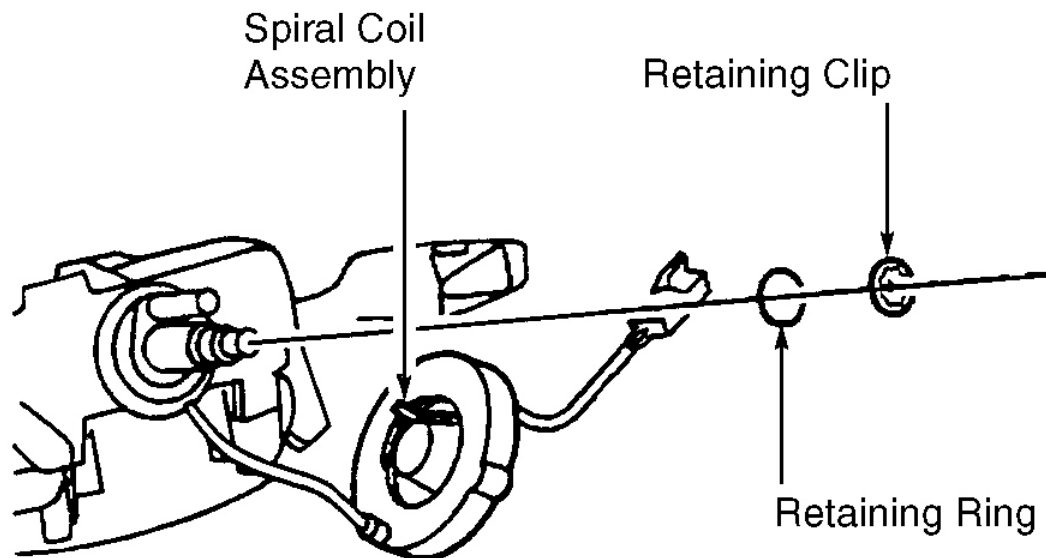
Installation

1. To install, reverse removal procedure. Route wiring through steering wheel. Align mark on steering wheel with mark on shaft, then install nut. Tighten nut to 29 ft. lbs. (40 N.m). Install driver-side air bag module. See **AIR BAG MODULES** .
2. Activate air bag system. See **DISABLING & ACTIVATING AIR BAG SYSTEM** . Check system for proper operation. See **SYSTEM OPERATION CHECK** .

SIR COIL ASSEMBLY

Removal

1. Before proceeding, see **SERVICE PRECAUTIONS** . Disable air bag system. See **DISABLING & ACTIVATING AIR BAG SYSTEM** .
2. Ensure front wheels face straight ahead. Remove driver-side air bag module. See **AIR BAG MODULES** . Remove steering wheel. See **STEERING WHEEL** .
3. Remove upper and lower steering column covers. Remove coil assembly retaining ring. Remove SIR coil assembly and let hang. Remove filler panel. Disconnect SIR coil harness connector and remove coil assembly. See **Fig. 9** .



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Fig. 9: Removing SIR Coil Assembly

Courtesy of GENERAL MOTORS CORP.

Installation

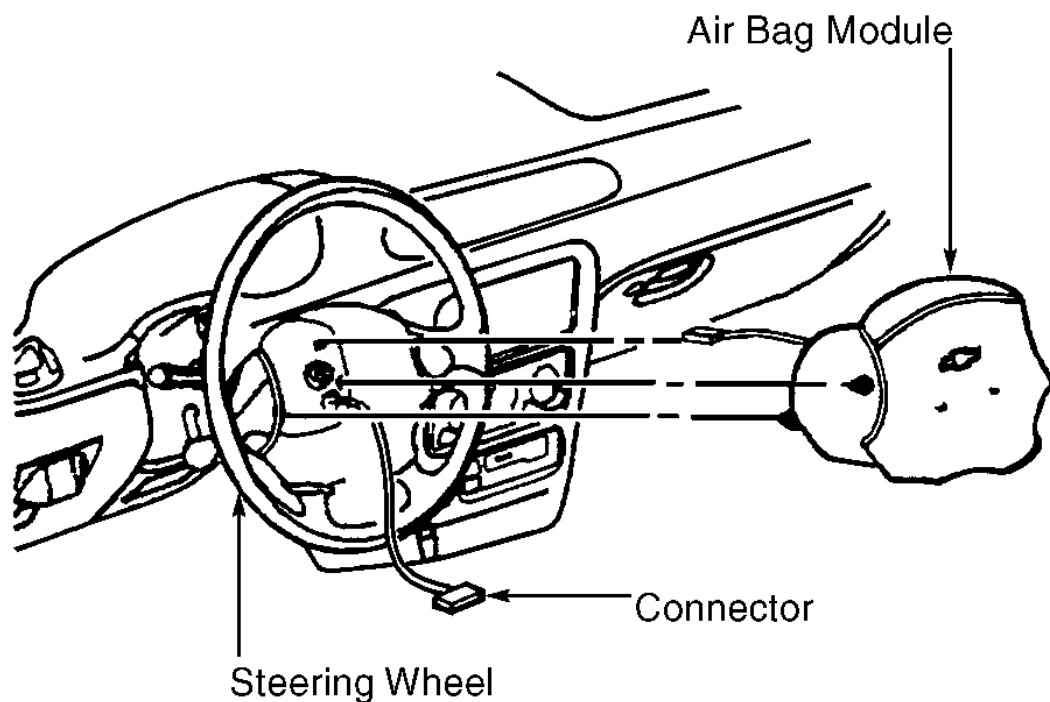
NOTE: Coil assembly will become uncentered if column is separated from steering gear and allowed to rotate, or if centering spring is depressed, allowing hub to rotate while coil assembly is removed from column.

1. Turn ignition switch to LOCK position. Ensure front wheels face straight ahead. Center upper shaft assembly. Center SIR coil assembly if necessary. See **CENTERING COIL ASSEMBLY** under ADJUSTMENTS.
2. Align coil assembly with horn tower on canceling cam assembly inner ring and projections on outer ring. Install retaining ring securely in groove on shaft. See **Fig. 9**.
3. Install upper and lower steering column covers. Activate air bag system. See **DISABLING & ACTIVATING AIR BAG SYSTEM**. Check system for proper operation. See **SYSTEM OPERATION CHECK**.

AIR BAG MODULES**Removal (Driver-Side)**

1. Before proceeding, see **SERVICE PRECAUTIONS**. Disable air bag system. See **DISABLING & ACTIVATING AIR BAG SYSTEM**.

- Remove Torx bolts from back of steering wheel. See **Fig. 10** . Remove CPA clip and disconnect driver-side air bag module connector. Remove air bag module.



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Fig. 10: Removing Driver-Side Air Bag Module

Courtesy of GENERAL MOTORS CORP.

Installation

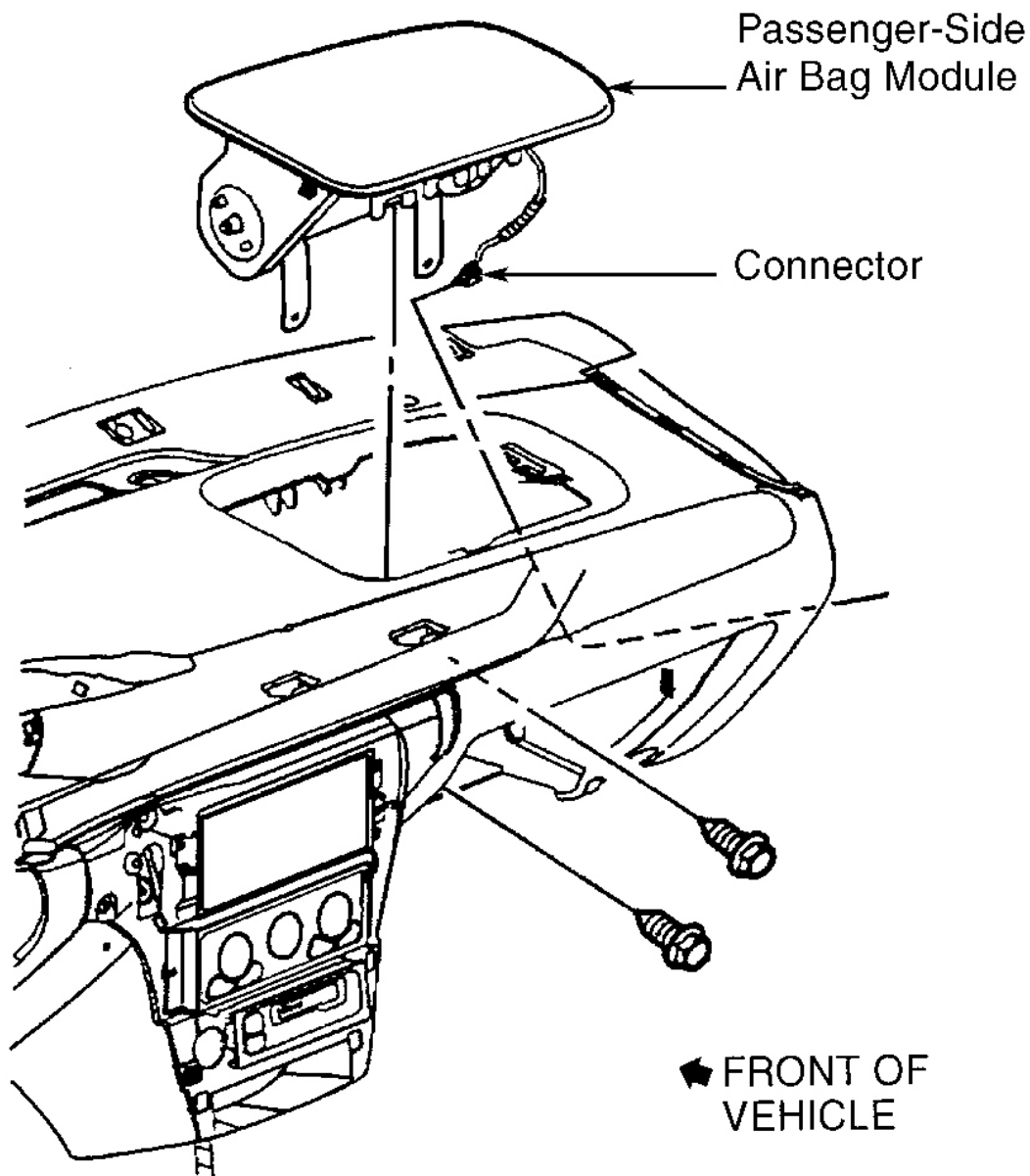
- Connect air bag connector and CPA clip. Secure SIR coil connector to steering wheel by inserting thick section of wire into existing retainer. Install air bag module to steering wheel, ensuring no wires are pinched. See **Fig. 10** . Tighten air bag module bolts/screws through back of steering wheel. Tighten screws to 89 INCH lbs. (10 N.m).
- Activate air bag system. See **DISABLING & ACTIVATING AIR BAG SYSTEM** . Check system for proper operation. See **SYSTEM OPERATION CHECK** .

Removal (Passenger-Side)

- Before proceeding, see **SERVICE PRECAUTIONS** . Disable air bag system. See **DISABLING & ACTIVATING AIR BAG SYSTEM** .
- Remove glove box. Remove passenger-side air bag harness from harness clips. Remove air bag module fasteners. Remove passenger-side air bag module. See **Fig. 11** .

Installation

1. Install air bag module. See **Fig. 11** . Install fasteners and tighten to 89 INCH lbs. (10 N.m). Install glove box.
2. Activate air bag system. See **DISABLING & ACTIVATING AIR BAG SYSTEM** . Check system for proper operation. See **SYSTEM OPERATION CHECK** .



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Fig. 11: Removing Passenger-Side Air Bag Module

Courtesy of GENERAL MOTORS CORP.

SYSTEM OPERATION CHECK

If system is functioning normally, AIR BAG warning light flashes 7 times and then turns off when ignition switch is turned ON. System malfunction is indicated when light does not illuminate at all, light comes on while vehicle is driven, light flashes 7 times and remains on, or light does not flash but remains on when ignition switch is turned on.

SIR system faults are usually due to a disconnected or loose electrical connector caused by previous service on vehicle. Always check SIR coil connector at base of steering column for loose or damaged wiring