




Gear Position Sensor

Removal

1. Disconnect the battery ground cable. For additional information, refer to [Specifications](#) (Section 414-00 Charging System - General Information)

2.  **WARNING: Do not work on or under a vehicle supported only by a jack. Always support the vehicle on safety stands.**

Raise and support the vehicle.

3. Remove the transmission. For additional information, refer to [Transmission \(37.20.02.99\)](#) (Section 308-03 Manual Transmission/Transaxle - 2.7L Diesel)

4.  **CAUTION: Before disconnecting or removing the components, ensure the area around the joint faces and connections are clean. Plug open connections to prevent contamination.**

Remove the gear position sensor.

- Remove the 2 Torx screws.
- Remove and discard the O-ring seal.



Installation

1. Install the gear position sensor.
 - Clean the component mating faces.
 - Install a new O-ring seal.
 - Apply sealant to the Torx screw thread.
 - Tighten the Torx screws to 10 Nm (7 lb.ft).
2. Install the transmission. For additional information, refer to [Transmission \(37.20.02.99\)](#) (Section 308-03 Manual Transmission/Transaxle - 2.7L Diesel)
3. Connect the battery ground cable. For additional information, refer to [Specifications](#) (Section 414-00

Charging System - General Information)