



Gearshift Control Shaft Seal (37.23.10)

Special Service Tools




Seal extractor
308-621



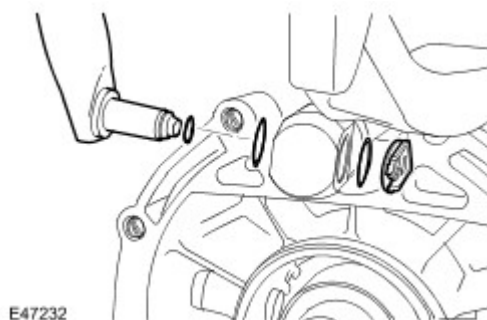
Seal installer
308-622

Removal

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

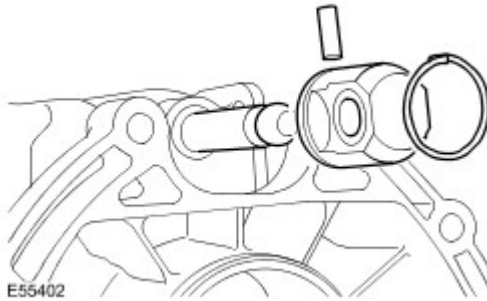
Raise and support the vehicle.

2. Remove the transfer case. For additional information, refer to [Transfer Case - 2.7L Diesel \(41.20.25.99\)](#) (Section 308-07)
3. Release the gearshift rod.
 - Remove the clip.
 - Remove and discard both O-ring seals.

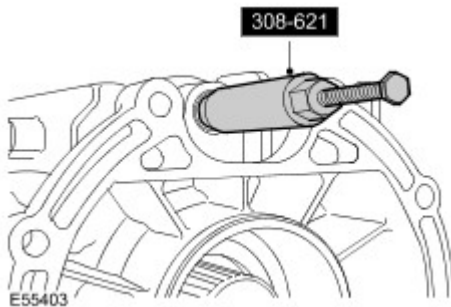


4. Remove the selector rod coupling.

- Release the clip.
- Remove the link pin.

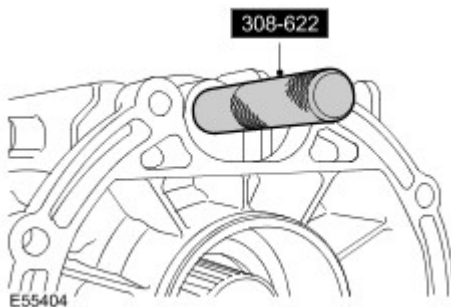


5. Remove the gearshift control shaft seal.
- Use the special tool.



Installation

1. Install the gearshift control shaft seal.
- Clean the component mating faces.
 - Use the special tool.



2. Install the selector rod coupling.
- Install the link pin.
 - Secure with the clip.
3. Install the gearshift rod.
- Clean the components.

- ▶ Lubricate the components.
- ▶ Install new O-ring seals.
- ▶ Install the clip.

- 4 . Install the transfer case. For additional information, refer to [Transfer Case - 2.7L Diesel \(41.20.25.99\)](#) (Section 308-07)
- 5 . Drain and refill the transmission. For additional information, refer to [Transmission Draining and Filling \(37.24.01\)](#) (Section 308-03)