

# REMOVAL & INSTALLATION

## AXLE SHAFT OIL SEALS

### Removal

1. Using an Allen wrench to prevent strut piston rod from turning, loosen strut piston rod nut 5 revolutions on both sides. Raise and support vehicle. Disconnect both lower suspension arms from spindle carriers.

**CAUTION: To avoid damage to axle shaft joint and boot, DO NOT bend axle shaft inner joint more than 18 degrees, or outer joint more than 45 degrees.**

2. On right-hand side, remove mounting bracket from axle shaft intermediate bearing. Discard mounting bracket and nuts. On either side, using Axle Shaft Remover (308-256), remove axle shaft from transaxle. Remove and discard axle shaft retaining clip. Support axle shaft.
3. Using a slide hammer and Axle Shaft Oil Seal Remover (308-208), remove oil seal from transaxle.

### Installation

**NOTE: Use installation sleeve provided with NEW oil seal to protect seal when inserting axle shaft.**

1. Using Axle Shaft Oil Seal Installer (308-039), install NEW oil seal into transaxle. Install NEW retaining clip onto axle shaft, and install axle shaft into transaxle.
2. On right-hand side, install NEW intermediate bearing bracket and NEW nuts. Tighten nuts to 18 ft. lbs. (25 N.m). On either side, install lower suspension arm to spindle carrier and tighten bolt to 35 ft. lbs. (48 N.m).
3. Check transaxle fluid level and add fluid if necessary. See **LUBRICATION** . Lower vehicle. Tighten strut piston rod nut to 35 ft. lbs. (48 N.m).

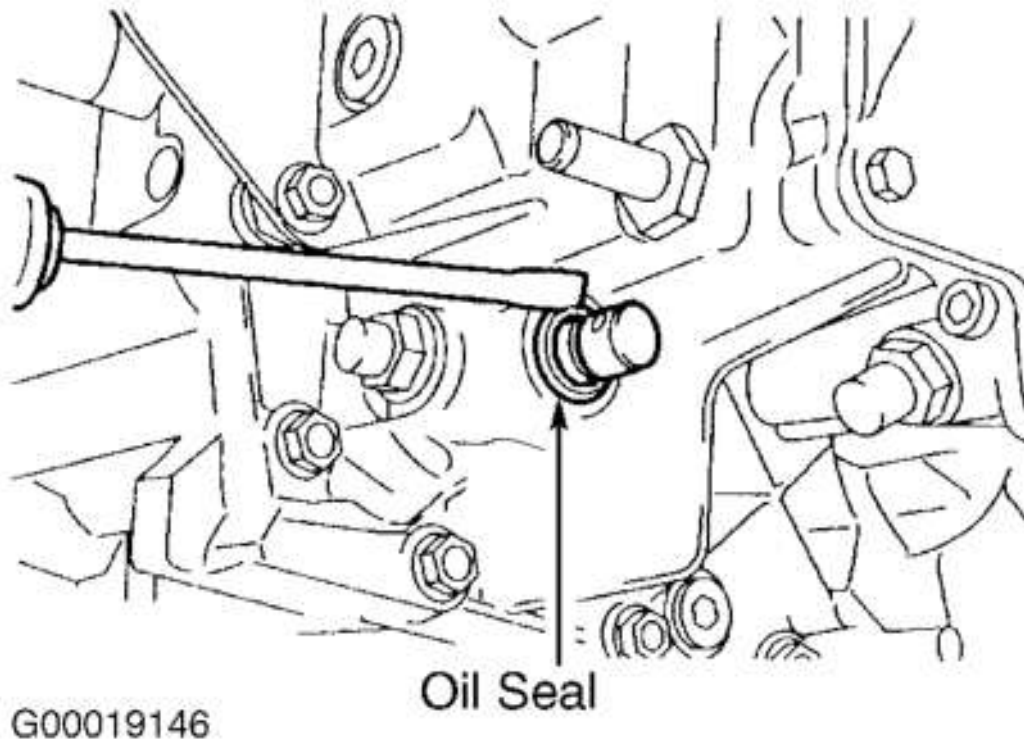
## DRIVE AXLE SHAFTS

**NOTE: See appropriate article in DRIVE AXLES.**

## GEARSHIFT CONTROL SHAFT OIL SEAL

### Removal

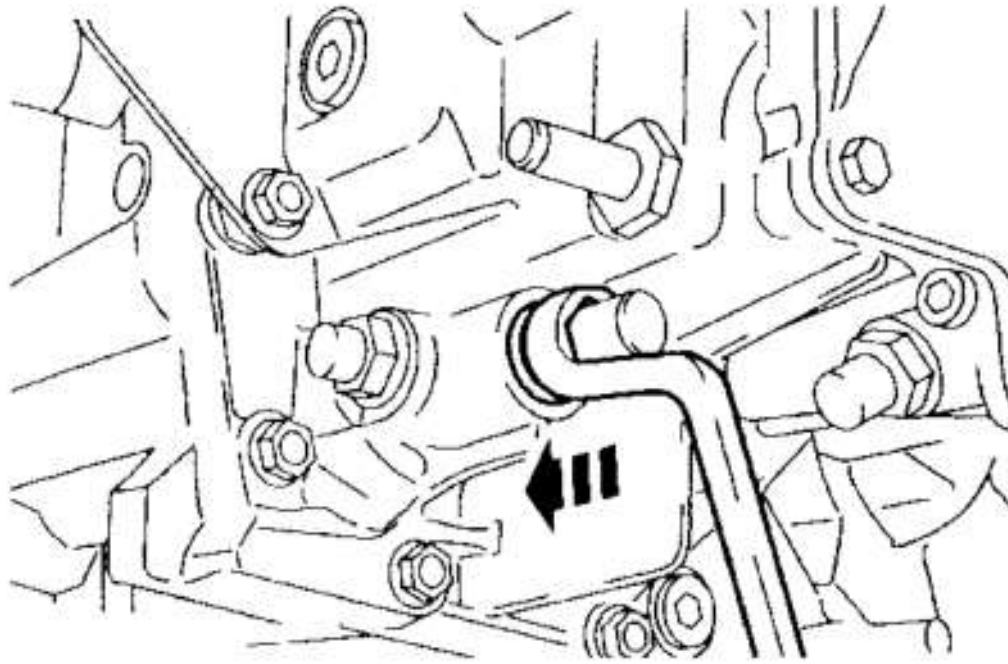
1. Place transaxle in 3rd gear. Raise and support vehicle. Open gearshift cable cover. Remove gearshift cable end fittings from gearshift lever and selector lever. Twist lower part of connector clockwise, while twisting upper part of connector counterclockwise. Remove gearshift cable from bracket. Remove gearshift cable cover.
2. Remove clip and rubber boot from selector lever. Remove gearshift lever. Remove selector lever. Using a flat blade screwdriver, remove gearshift control shaft oil seal. See **Fig. 6** .



**Fig. 6: Removing Gearshift Control Shaft Oil Seal**  
Courtesy of FORD MOTOR CO.

#### **Installation**

1. Using a box wrench, install gearshift control shaft oil seal. See **Fig. 7** . Install gearshift and selector levers. Install clip and rubber boot. Install gearshift cable cover.
2. Install gearshift and selector cable end fittings. Install gearshift and selector cable to bracket by twisting lower connector clockwise and upper connector counterclockwise. Close gearshift cable cover. Lower vehicle.



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**Fig. 7: Installing Gearshift Control Shaft Oil Seal**  
Courtesy of FORD MOTOR CO.

## TRANSAXLE

**NOTE:** For manual transaxle removal procedure, see appropriate **CLUTCHES** article in **TRANSMISSION SERVICING**.

## VEHICLE SPEED SENSOR

### Removal & Installation

Raise and support vehicle. Disconnect Vehicle Speed Sensor (VSS) harness connector. Remove retaining pin and remove VSS. To install, insert speed sensor into transaxle. Install retaining pin. Reconnect harness connector. Lower vehicle.