

Installation:

The installation is accomplished in the reverse order of removal observing the following points:

1. Do not kink or stretch the new shaft.
2. The flange of the shaft housing must mate flush with the speedometer.
3. The square end of the shaft must fit easily into the speedometer without force.
4. Install a new rubber collar where the shaft enters the stub axle.
5. Use a new cotter key for the drive shaft in the wheel bearing cap.

Note:

Special care should be taken in placing the flexible shaft in a good position.

The shaft must operate smoothly without noise or vibrations and must therefore be positioned so that it has no bends with a radius of less than 150 mm (6 in.). When the wheels are aligned straight ahead, the flexible shaft should lie in a smooth curve from the wheel to the entrance in the chassis. The flexible shaft must not become kinked or stretched in any wheel position. If the housing becomes damaged and binds the shaft, a pulsation will occur and make the speedometer needle oscillate. Sharp bends hinder the motion of the shaft and cause the shaft to break prematurely. The rubber seal at the entrance to the axle prevents the entry of water which could cause bearing damage or, in winter, freeze the shaft solid in the housing. This seal must therefore be carefully installed so that a proper seat is obtained.

Oil or water resistant grease are to be used to lubricate the speedometer drive.

Removing and Installing Tachometer Drive Shaft

44 LI

General

Since the construction and operation of the tachometer drive shaft is, in principle, identical to the speedometer drive shaft, the same care and installation cautions apply as in section 43 LI.

Removal

1. Remove foot pedal floor board.
2. Disconnect the flexible shaft from the tachometer.
3. Remove the flexible shaft from the oil pump at the engine.
4. Remove clamps at the instrument panel and engine compartment.
5. Remove hose clamps in the floor tunnel.
6. Remove the flexible shaft from the car.

Installation

The installation is accomplished in the reverse order of removal observing the following points:

1. Install a new rubber boot at the rear panel.
2. Waterproof the flexible shaft and rubber boot with sealing compound.
3. Inspect the rubber strap above the rear axle and replace if necessary.
4. Properly connect clamps and fasteners.