

Speedometer Vehicle Speed Sensor (VSS), removing and installing

- Transmission installed
- Observe general repair instructions ⇒ [Page 00-14](#).

CAUTION!

Handle sensor carefully. If damaged it may not indicate speed accurately.

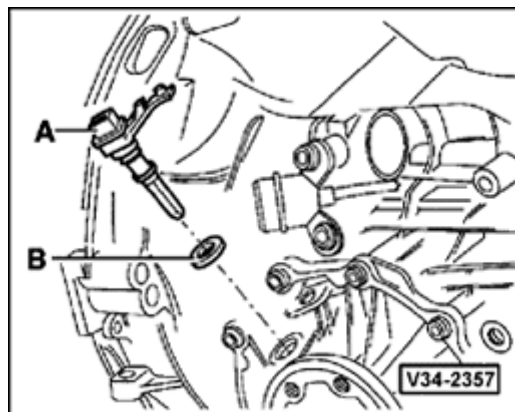
Removing

A

- Disconnect harness connector from Speedometer Vehicle Speed Sensor (VSS) -A-.
- Press retaining clip down, turn sensor sideways and remove upward.

Installing

- Replace seal -B-.
- Install sensor and lock in place.



Speedometer drive gear, removing and installing

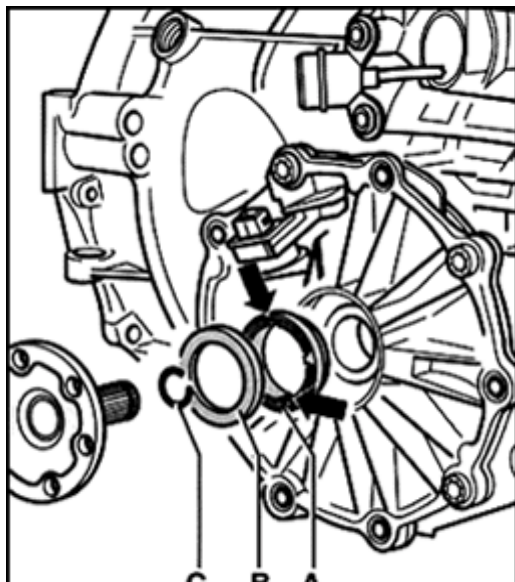
Special tools and equipment

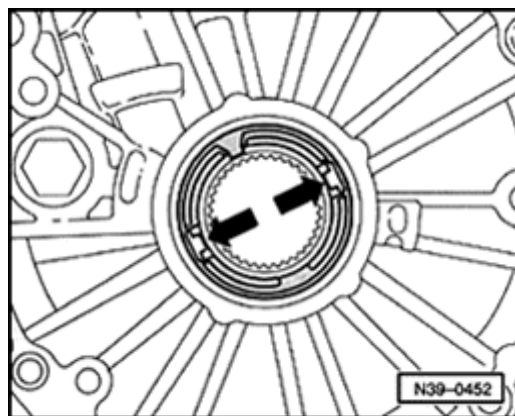
- ◆ VW195 arbor
- ◆ VW295 needle bearing drift
- ◆ VW681 extractor lever
- ◆ VAG1306 drip tray

Removing

A

- Remove left drive flange and seal -B- ⇒ drive flange seal, replacing, ⇒ [Page 39-1](#) .
- Remove speedometer vehicle speed sensor ⇒ [Page 39-13](#) .





A

- Press retaining clips in direction of arrows using screwdriver.
- Carefully remove drive gear by prying out out, alternating between sides.

Installing

Installation is the reverse of removal, note the following:

CAUTION!

Install the drive gear carefully onto the differential, without canting. Do not use force, the drive gear can break easily.

Installation position:

- ▲ The drive peg of the drive gear -A- faces seal -B- and locates in the groove of the differential.

Retaining clips (arrows) locate in circumferential groove in differential.

- Always replace seal -B- and circlip -C- ⇒ [Page 39-3](#) .
- Install drive flange using VW295 needle bearing drift.
- Top off and check transmission oil level ⇒ [Page 34-38](#) .

Tightening torques

Component		Tightening torque
Driveshaft to drive flange	M 8	40 Nm (30 ft lb)
	M10	80 Nm (59 ft lb)
Heat shields over drive axles on transmission		23 Nm (17 ft lb)

