

Dismantling and assembling engine

Removing and installing vibration damper

Special tools and workshop equipment required

- Counterhold for vibration damper 3256

Removing

- Remove the noise insulation -arrows-.
- Remove ribbed belt => Page [13-8](#)
- Unscrew air duct to air cleaner at radiator.

- Counterhold pulley for viscous fan with 2-hole pin wrench 3212 and unscrew viscous fan with wrench 3312 (left-hand thread).
- Remove viscous fan from mounting and put in front of radiator cowl.
- If necessary, unclip wiring harness at bottom on radiator cowl.
- Unscrew radiator cowl from radiator and remove it and the viscous fan from above.
- Unscrew radiator cowl with electric fan motor from radiator and remove it upwards.

- Insert vibration damper counterhold 3256 as illustrated, and unscrew central bolt.

Note:

Before securing the counterhold 3256, in vehicles with engine codes AAT and AEL, first the two bolts for the oil separator bracket must be unscrewed.

- Unscrew the 4 securing bolts (M8) for vibration damper and remove vibration damper.

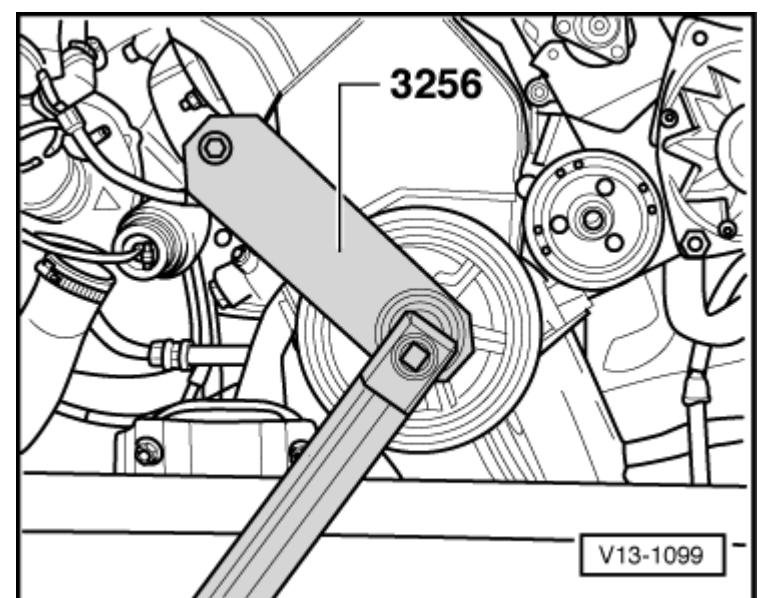
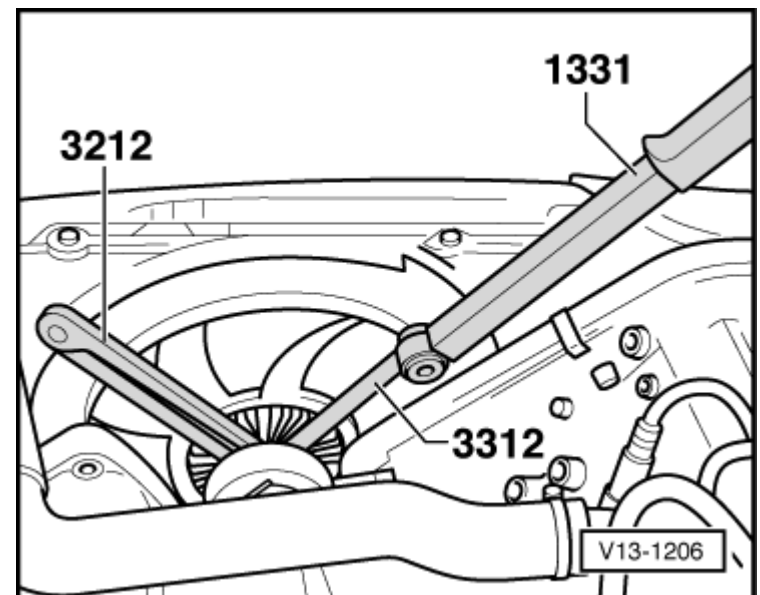
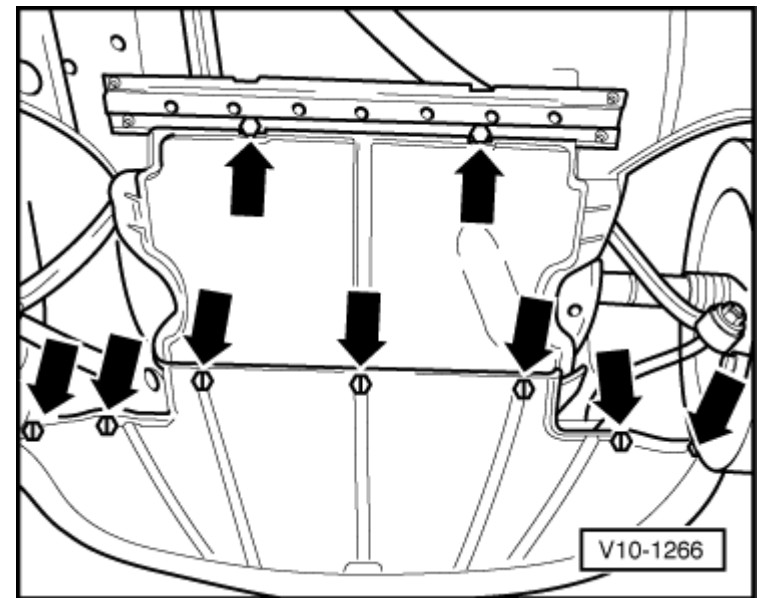
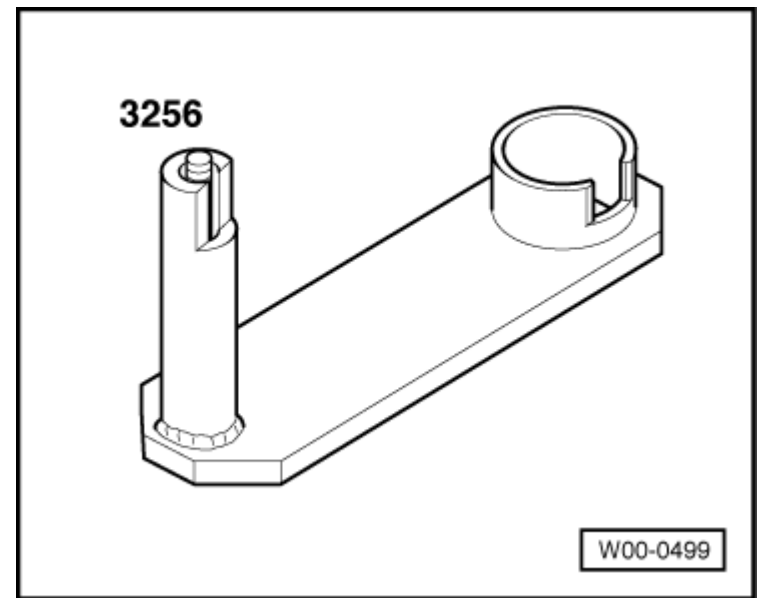
Installing

Installation is carried out in the reverse order; note the following:

- Tighten central bolt of vibration damper (use counterhold 3256):
 - Tightening torque: 200 Nm + 270° (3/4 turn)
- Install ribbed belt =>Page [13-10](#)
- Install viscous fan => Page [19-20](#)

Tightening torques

| Component | Nm |
|---|--------------|
| Vibration damper with toothed belt to crankshaft 1) | 200 + 270°2) |
| Vibration damper to toothed belt sprocket (M8) | 20 |



- 1) Always replace central bolt
- 2) 270° corresponds to 3/4 turn