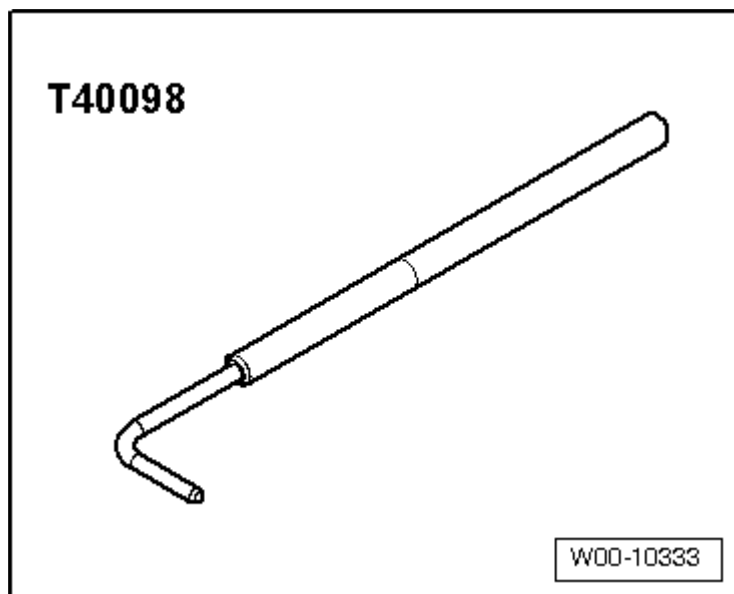


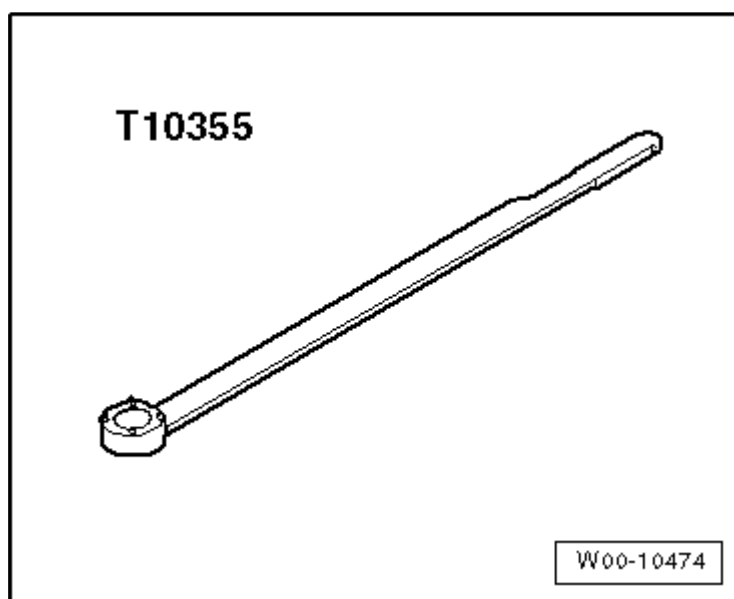
Renewing oil seal for vibration damper

Special tools and workshop equipment required

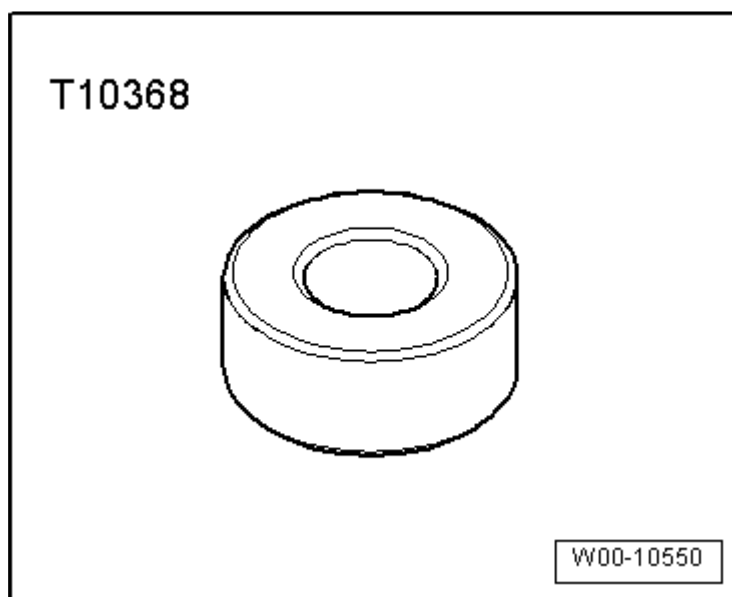
- ♦ Locking tool -T40098-



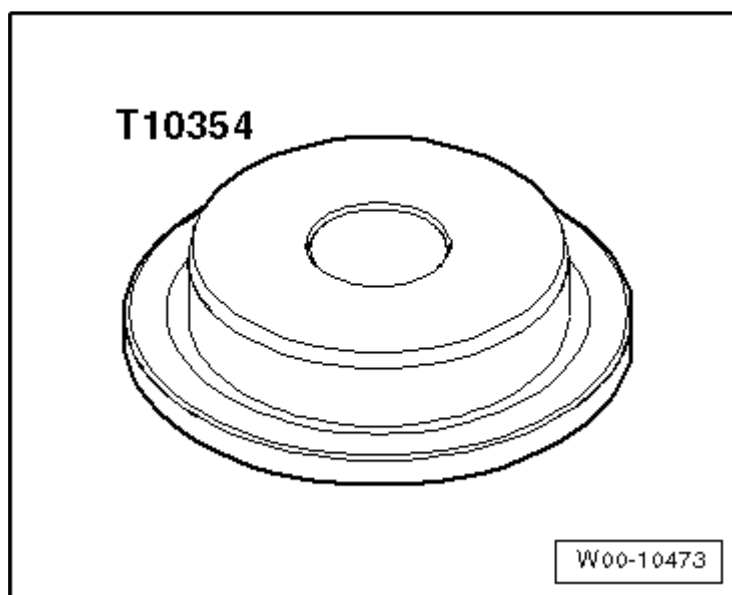
- ♦ Counterhold tool -T10355-



- ◆ Thrust piece -T10368-



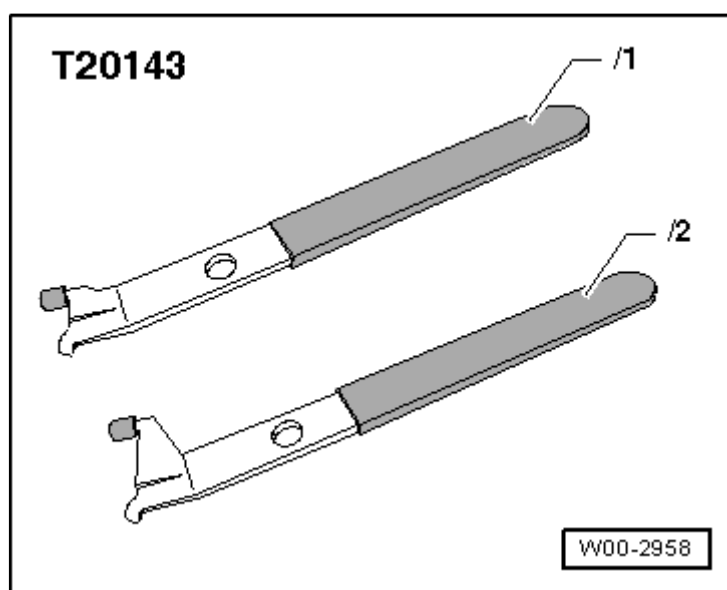
- ◆ Thrust piece -T10354-



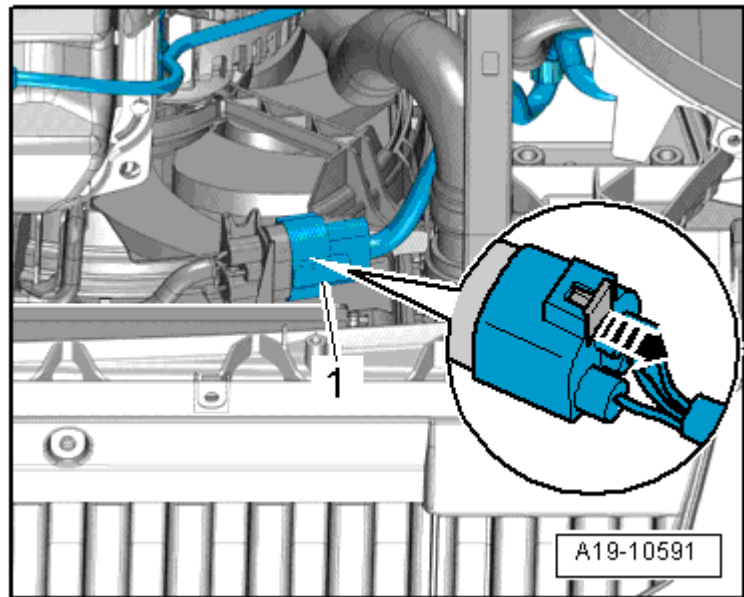
- ◆ Extractor tool -T20143-

Removing

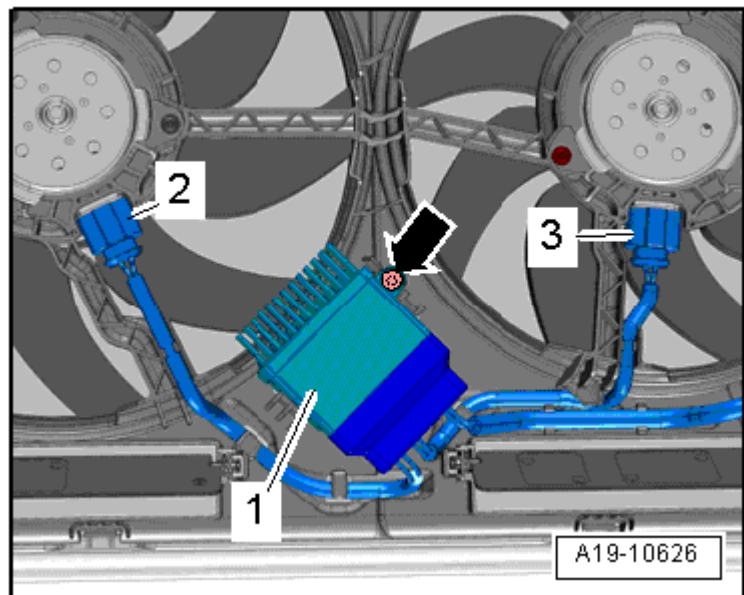
- Remove front noise insulation → Rep. gr.66.



- Take electrical connector -1- for radiator fan out of bracket and unplug connector (push retainer to the rear - arrow- and press down release catch).
- Move clear electrical wiring harness going to radiator fan control unit.



- Unplug electrical connectors -2- and -3-.
- Unscrew bolt -arrow- and remove radiator fan control unit -1-.

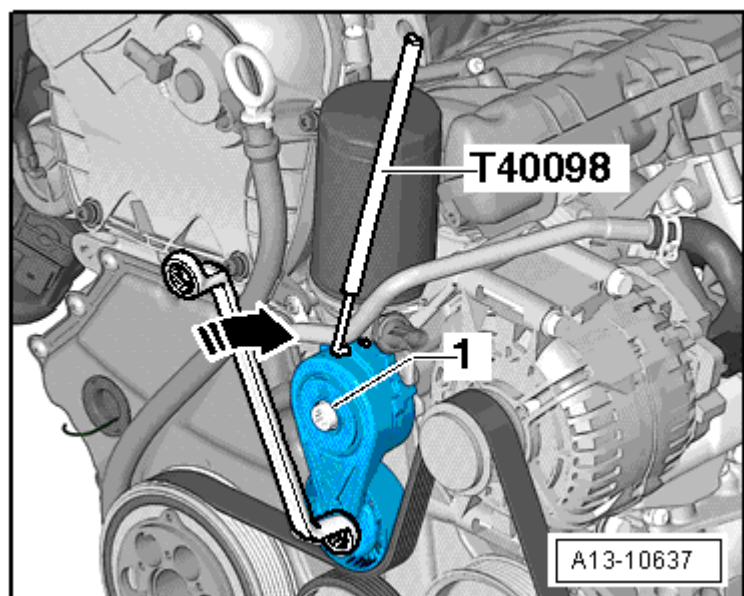


Caution

If a used belt runs in the opposite direction when it is refitted, this can cause breakage.

Before removing, mark direction of rotation of poly V-belt with chalk or felt-tip pen for re-installation.

- To slacken poly V-belt turn tensioner in direction of -arrow-.
- Lock tensioner with locking tool - T40098-.
- Remove poly V-belt from pulley on vibration damper.

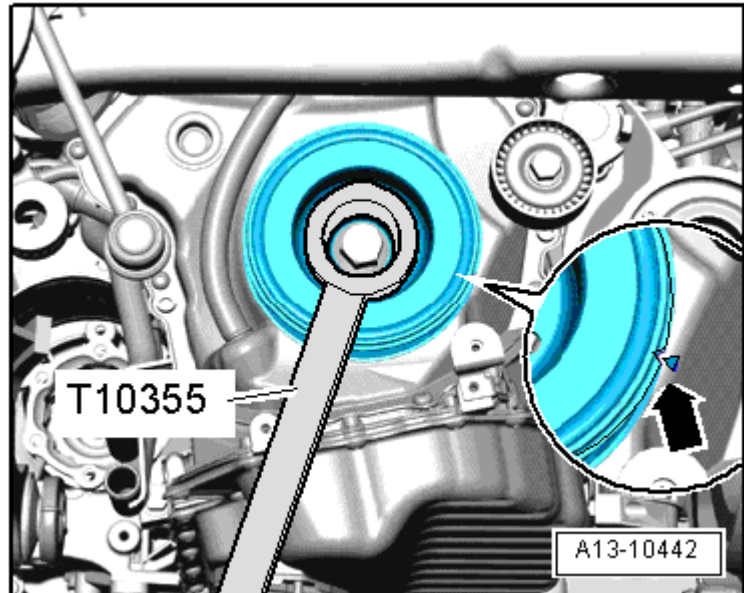


**Caution**

Risk of irreparable damage to engine.

To avoid disturbing valve timing, do not turn crankshaft out of „TDC“ position when vibration damper is removed.

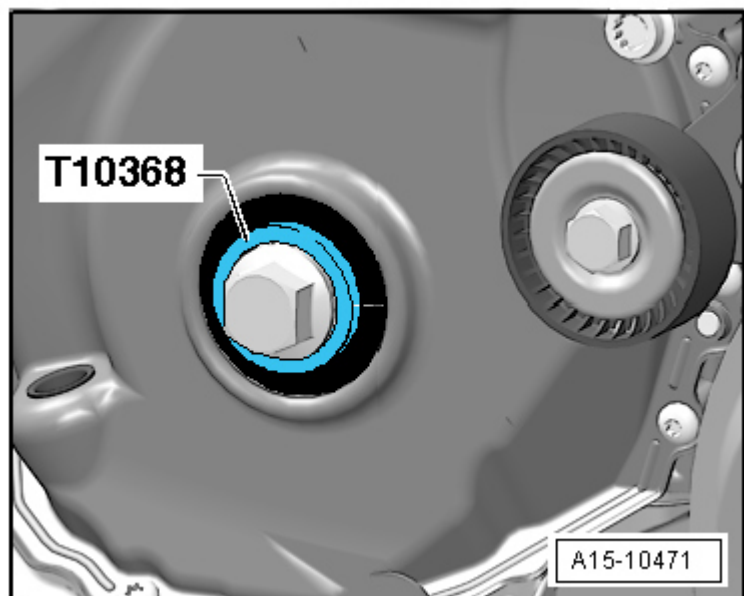
- Turn vibration damper to „TDC“ position -arrow- using counterhold tool -T10355-.
- Notch on vibration damper must align with arrow marking on cover for timing chains (bottom).
- Remove bolt for vibration damper using counterhold tool -T10355-.



- Detach vibration damper and fit thrust piece -T10368- in its place.
- Pull out oil seal using extractor tool -T20143/2-.

Installing

- Tightening torques → Chapter „Poly V-belt drive, bracket for ancillaries -exploded view“
- Clean contact surface and sealing surface.
- Remove thrust piece -T10368-.



- Use thrust piece -T10354- and bolt for vibration damper to pull in oil seal -arrow- onto stop.

**Note**

- ♦ *Renew bolt for vibration damper.*
- ♦ *Renew O-ring.*

Further assembly is basically carried out in reverse order of dismantling. Note the following:

- Install vibration damper → **Chapter**.
- Install poly V-belt → **Chapter**.

