

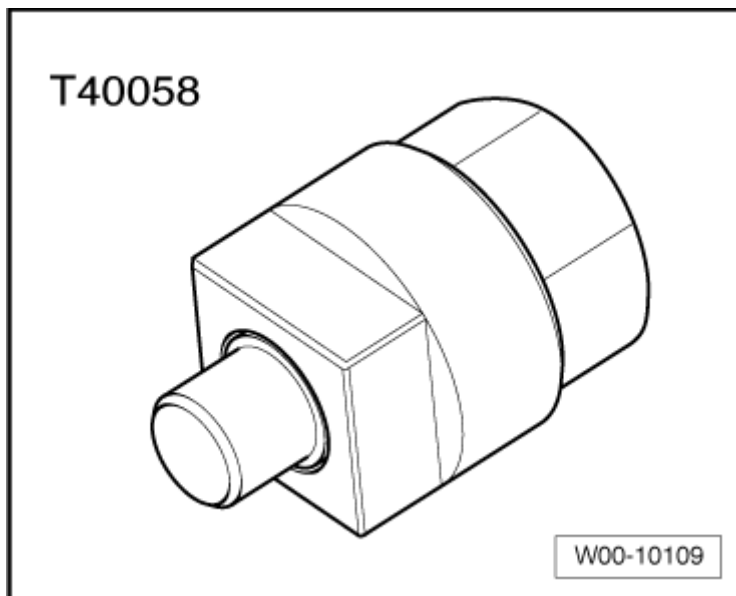
Removing and installing toothed belt for high-pressure pump - vehicles from 12.2005 onwards

Special tools and workshop equipment required

- ♦ Adapter -T40058-

Removing

- Remove intake manifold (top section)
→ **Chapter**.

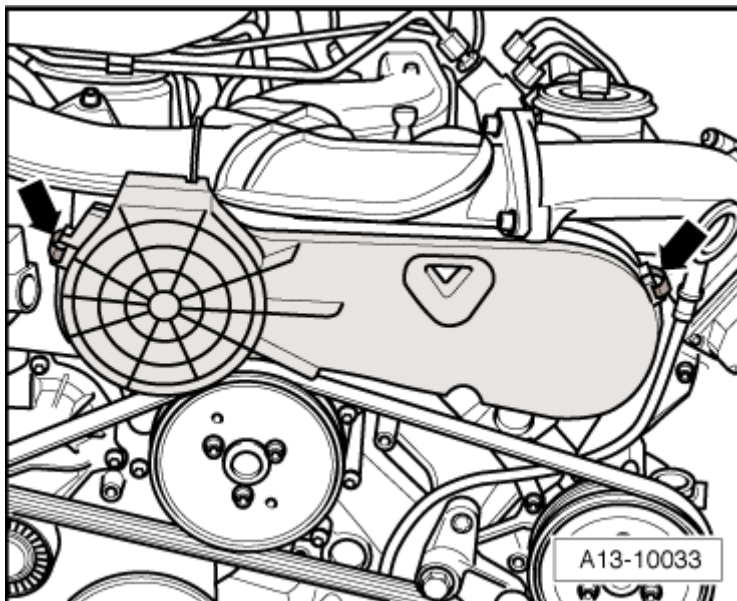


- Loosen clamps -arrows-.
- Pivot toothed belt cover forward and disengage retaining pegs on bottom side of toothed belt cover.
- Remove toothed belt cover.



Note

Before removing, mark rotation direction of toothed belt with chalk or felt-tip pen. If the belt runs in the opposite direction when it is refitted, this can cause breakage.



- Unscrew bolt -arrow- and detach tensioning roller.
- Take off toothed belt first from toothed belt drive sprocket and then from toothed belt sprocket at high-pressure pump.

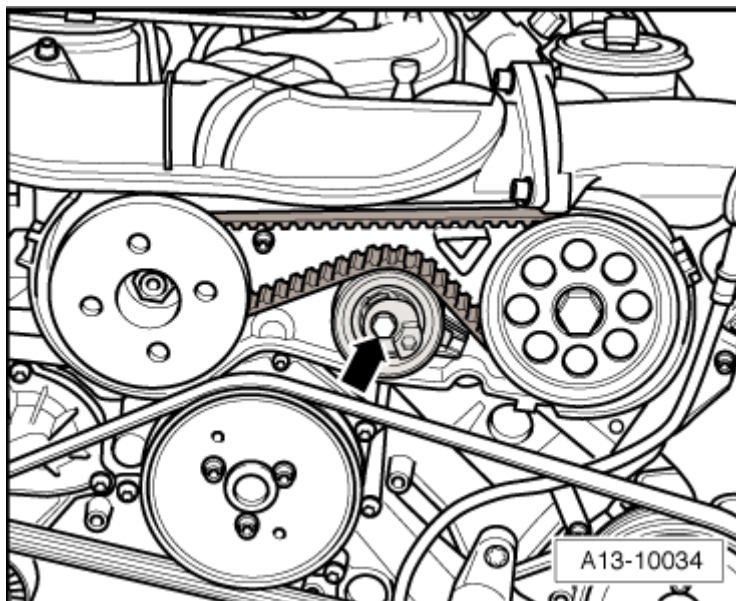
Installing

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

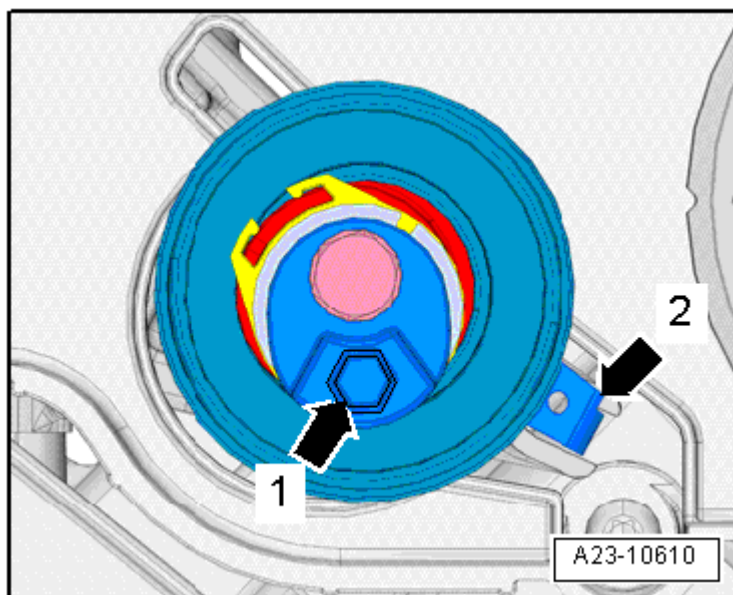


Note

Before installing toothed belt, make sure high-pressure pump with toothed belt sprocket and toothed belt drive sprocket are firmly secured.



- Check installation position of toothed belt tensioning roller:
- Retaining lug -arrow 2- must engage in slot on bracket for high-pressure pump.
- Tensioning roller must be slack and hexagon socket -arrow 1- must face downwards.
- Fit toothed belt.
- Install toothed belt tensioning roller; to do so, screw in bolt for toothed belt tensioning roller without applying force until eccentric adjuster of toothed belt tensioning roller can just still be turned without axial movement.

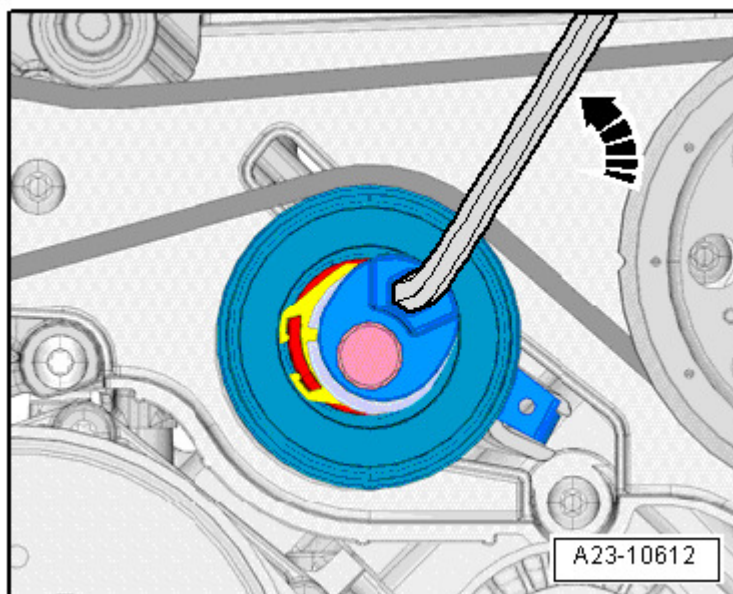


- Tension toothed belt tensioning roller slightly by turning further in direction of -arrow- using hexagon key until hexagon socket is in "1 o'clock" position.

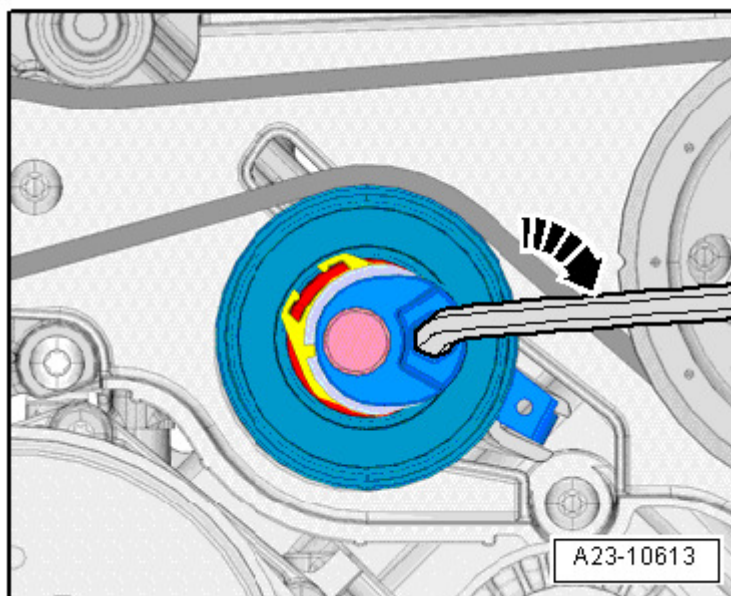


Caution

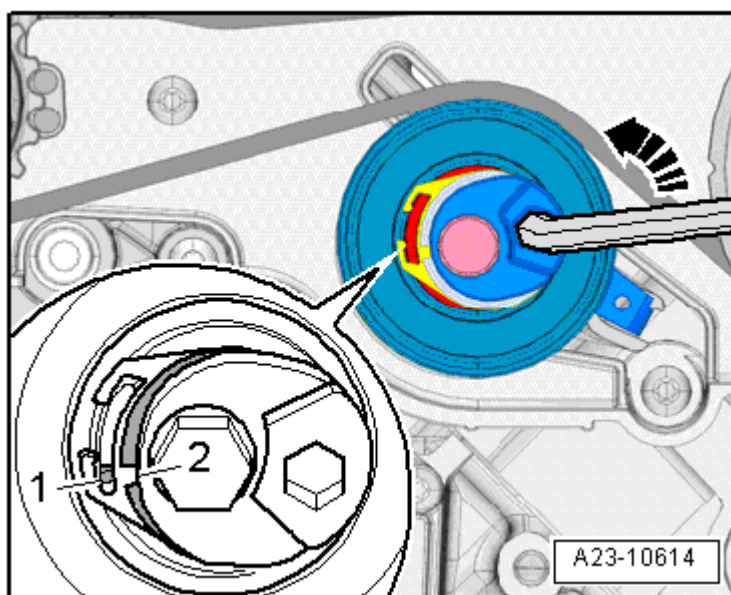
Do NOT turn tensioning roller up to or beyond "12 o'clock" position.



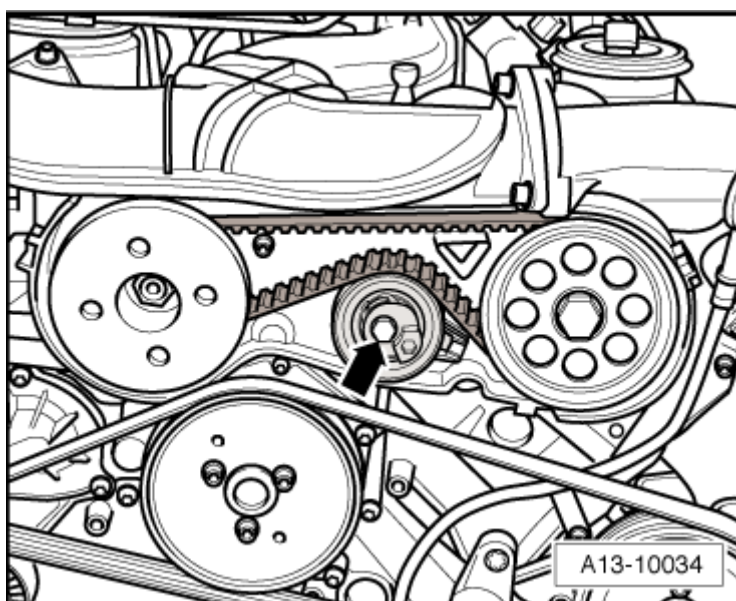
- Now release toothed belt tensioning roller -arrow- to such an extent that hexagon socket moves into "3 o'clock" position.



- Tension tensioning roller slightly from "3 o'clock" position -arrow- until lug -1- and notch -2- are exactly in line.

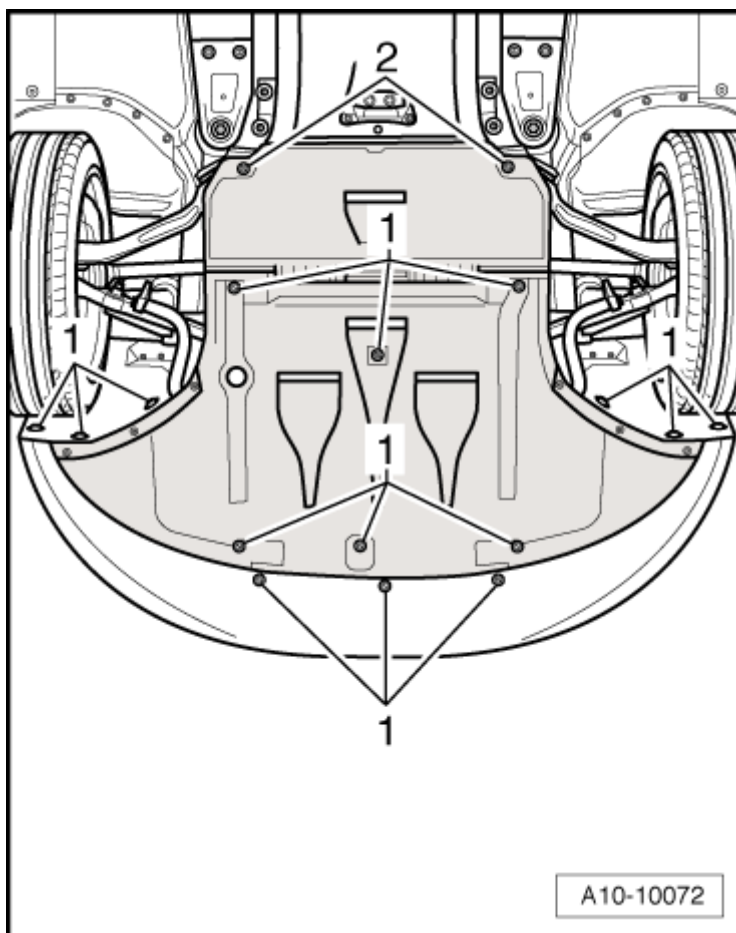


- Hold toothed belt tensioning roller in this position and tighten bolt -arrow- → Item.



Turn crankshaft one complete revolution to check toothed belt tension. To do this:

- Release quick-release fasteners -1- and -2- and take off front and rear noise insulation.

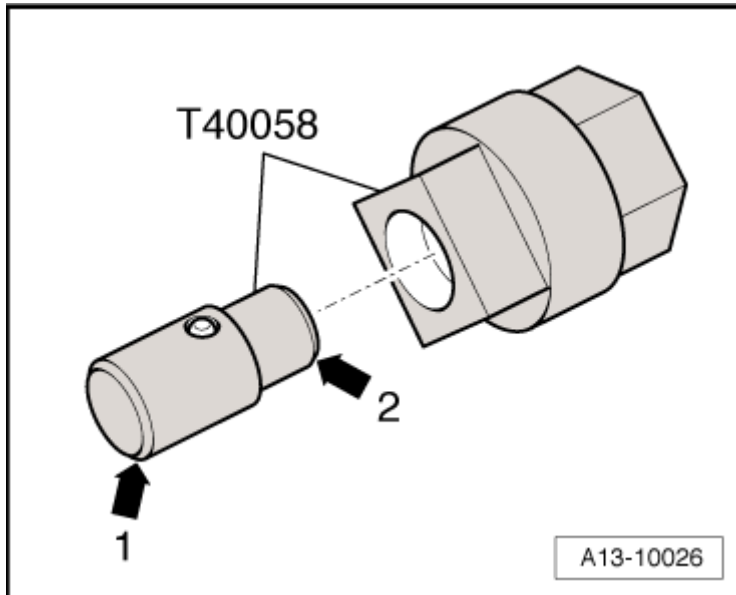


- Insert guide pin of adapter -T40058- with the larger-diameter section - arrow 1- pointing towards the engine. The smaller-diameter section -arrow 2- faces the adapter.

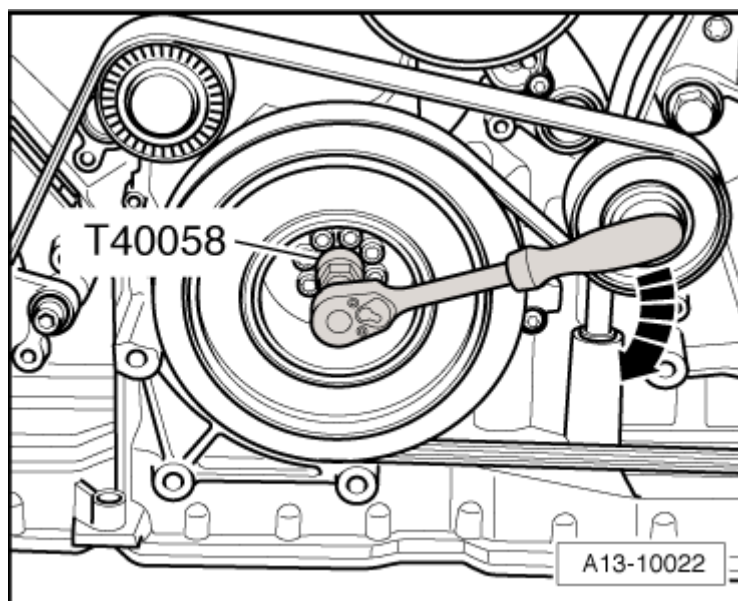


Caution

Do not rotate crankshaft in opposite direction of engine rotation.



- Turn crankshaft at least one complete revolution in normal running direction - arrow-.



– Check toothed belt tension.

- Lug -1- should align with notch -2-.

If specification is not obtained:

– Adjust the toothed belt tension again.

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

- Install intake manifold (top section)
→ Chapter.
- Tightening torque: exploded view -
toothed belt for high-pressure pump
→ Chapter

