

Audi > B3 > 1994-1998**2.8 Liter V6 2V Engine Mechanical, Engine Code (s): AAH, AFC****13 - Toothed camshaft drive belt, assembly****Toothed camshaft drive belt, removing and installing**

Removing:

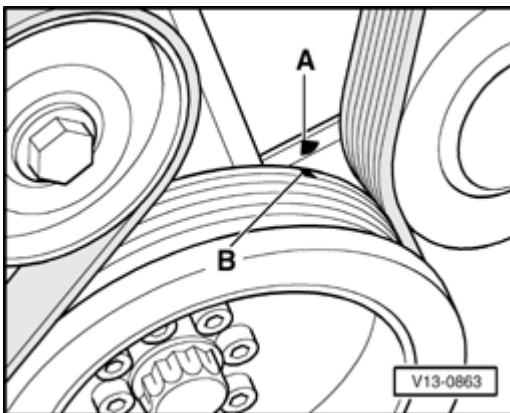
Installing:

Adjusting belt tension:

Removing**CAUTION!**

Mark the running direction of the belt with a crayon or marker before removing. Reinstalling a used belt in reversed running direction could damage the belt.

- Remove ribbed belt ⇒ [Ribbed belt, removing and installing](#) .
- Remove ribbed belt tensioner.
- Unclip camshaft drive belt guard on both sides.
- Turn crankshaft by hand to Top Dead Center (TDC) position.

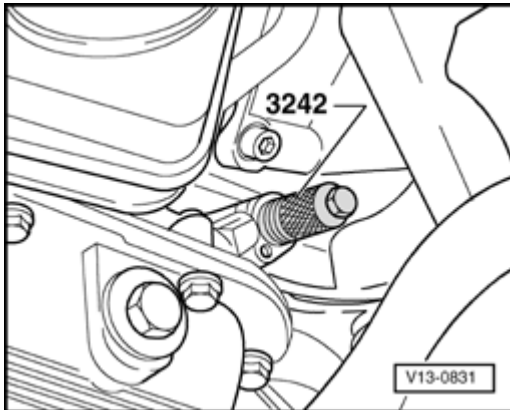


- ▶ Notch - **A** - must align with notch - **B** - .
- Check camshaft position.
- ▶ Large holes in camshaft sprocket locking plates must face each other.

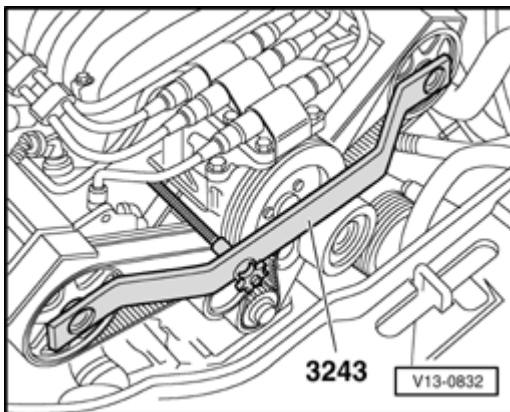
If not:

- Turn crankshaft one more revolution.

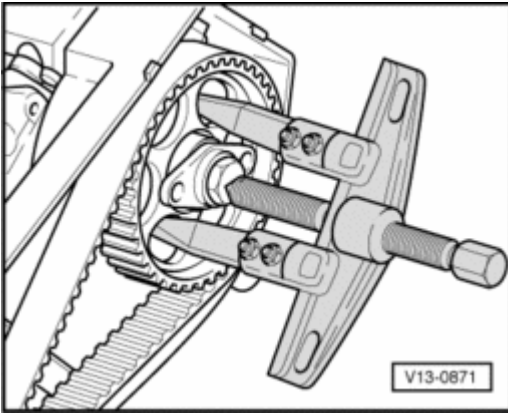
- Remove Crankshaft Position (CKP) sensor from left-hand side of cylinder block, behind oil cooler (above oil pan).
- ▶ TDC recess in crankshaft must be positioned behind open hole for CKP sensor (inspect visually or by touch).



- Thread crankshaft holding tool 3242 into CKP sensor hole, and tighten slightly.
- Remove vibration damper ⇒ [Vibration damper, removing and installing](#) .
- Remove lower belt guard.



- Install camshaft holding tool 3243 .
- Loosen left and right camshaft sprocket bolts approx. 3 turns.
DO NOT remove bolts.
- Remove camshaft holding tool 3243 .



- Loosen right and left camshaft sprockets from tapered ends of camshafts using puller (Kukko 20/10 shown).
- ▶ Puller arms must engage on rear of sprocket
- ▶ With engine installed in vehicle, use puller 3032
- Loosen and remove toothed belt.

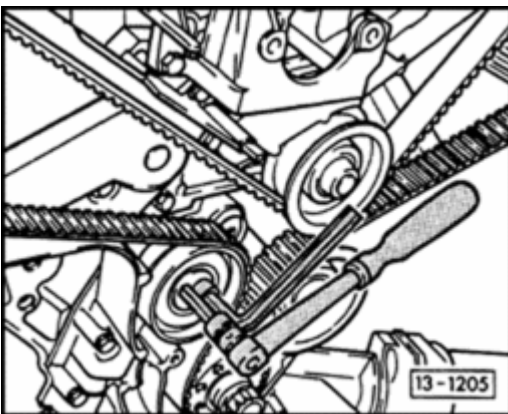
Installing

- Install toothed belt over both camshaft sprockets.
- Install camshaft holding tool 3243 .
- Install toothed belt over remaining sprockets, then over tensioner roller last.

Note:

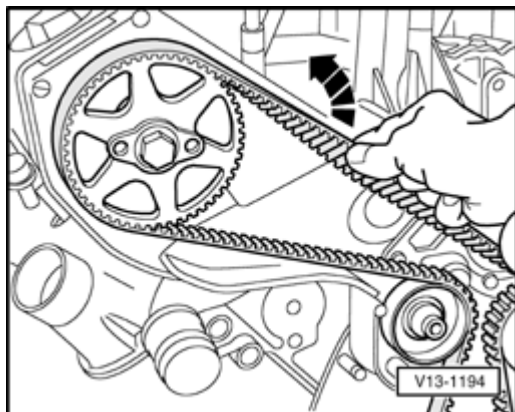
- ◆ The camshaft sprockets must be loose enough on the tapered ends of the camshafts so that the camshafts can still be turned, but not so loose that the sprockets tilt out of alignment.

Adjusting belt tension



The toothed belt tension adjustment is done by turning the tensioning roller with 8 mm hex-key wrench.

- Adjust tensioner so it can just be moved slightly by hand.



- Check belt tension by gripping belt halfway between camshaft sprocket and coolant pump.
Twisting the belt with the thumb and index finger, it must be just possible to twist it approx. 90 ° .
- Fully tighten tensioner center bolt with 8 mm hex-key wrench.
Tightening torque: 45 Nm (33 ft lb)
- Fully tighten camshaft sprocket bolts.
Tightening torque: 30 Nm (22 ft lb) plus 1/2-turn (180 °)
- Remove crankshaft holding tool 3243 .
- Reinstall Crankshaft Position (CKP) sensor.
Tightening torque: 10 Nm (7 ft lb)

Note:

- ◆ If crankshaft center bolt has been removed:
- ◆ Always replace.
- ◆ Use only new double hex-head (12-pt.) cap screw, grade 9.8.
- ◆ Tightening torque (with bolt oiled): 200 Nm (148 ft lb) plus additional 1/2-turn (180 °)

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