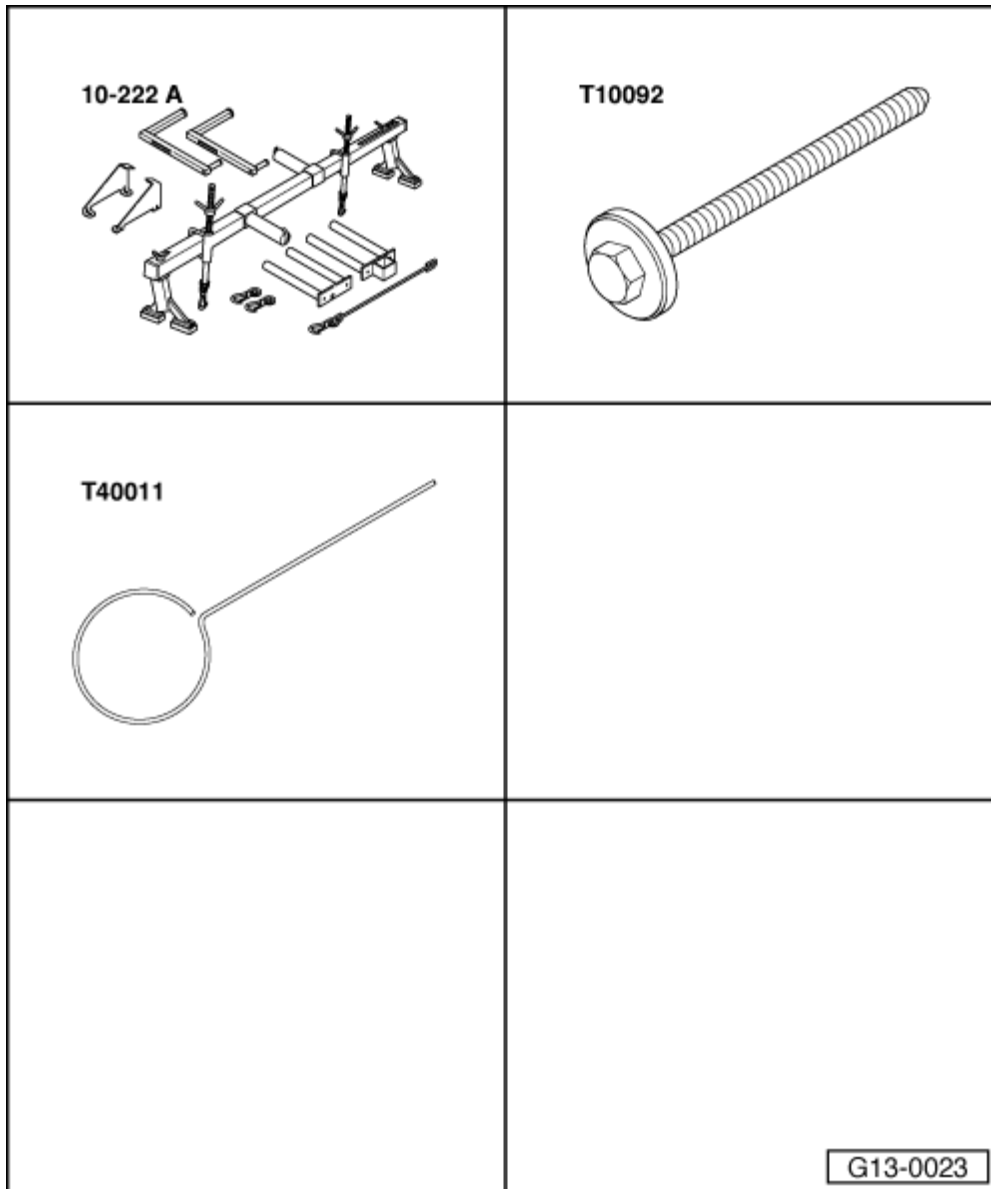


Removing and installing toothed belt



Special tools and workshop equipment required

- t Support bracket -10 - 222 A-
- t Tensioning bolt -T10092-
- t Locking pin -T40011-

Removing

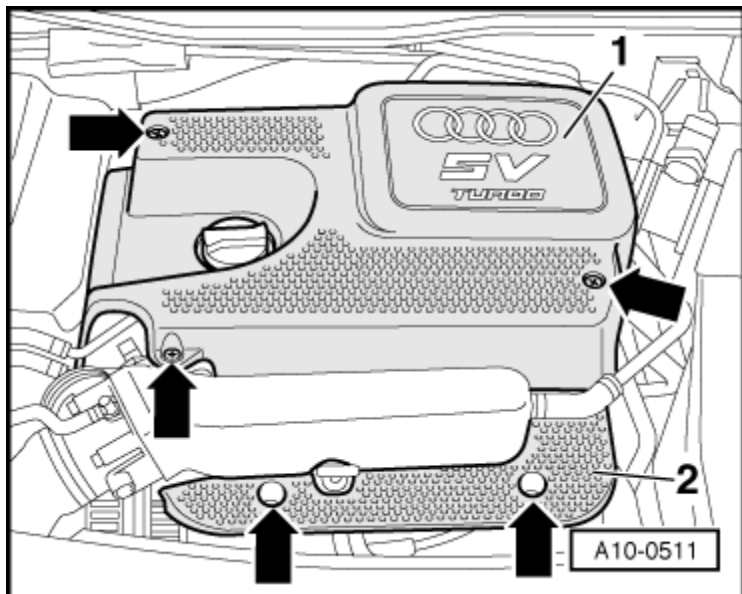
- Remove engine cover panel -1--
arrows-



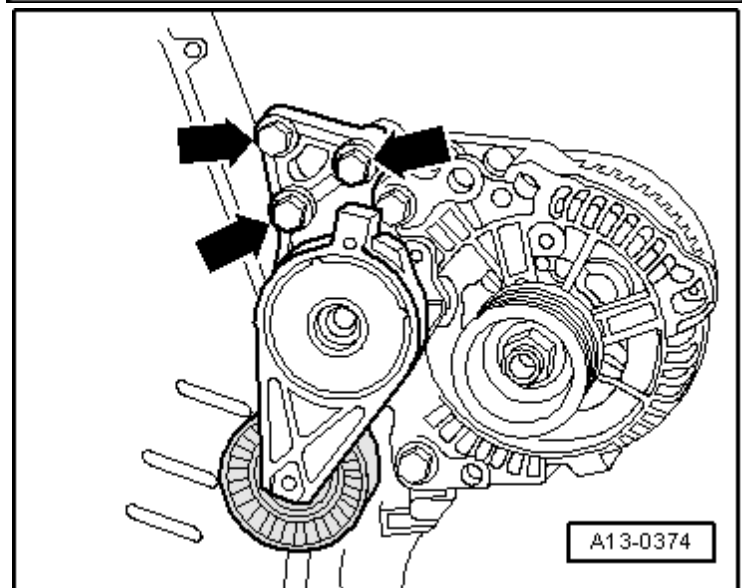
Note

Disregard -item 2-.

- Remove poly V-belt → [Chapter](#).

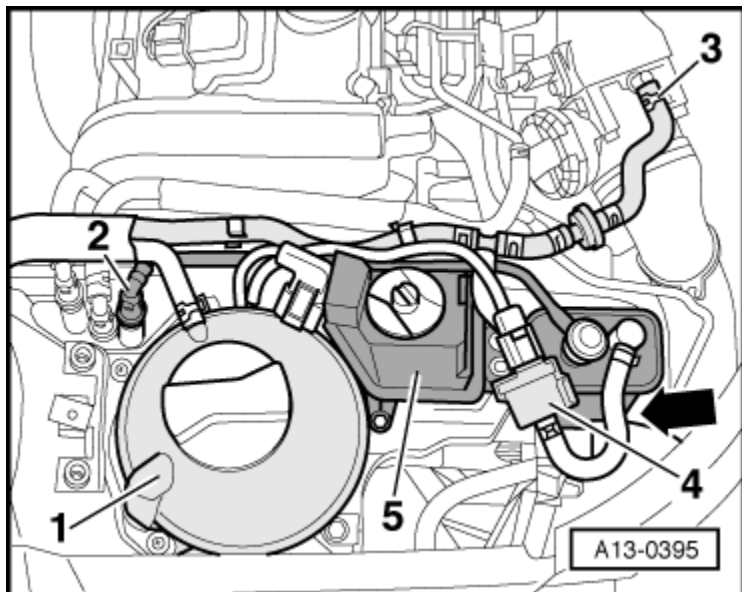


- Remove poly V-belt tensioner -arrows-.



Rest-of-world vehicles with hose routing version 1:

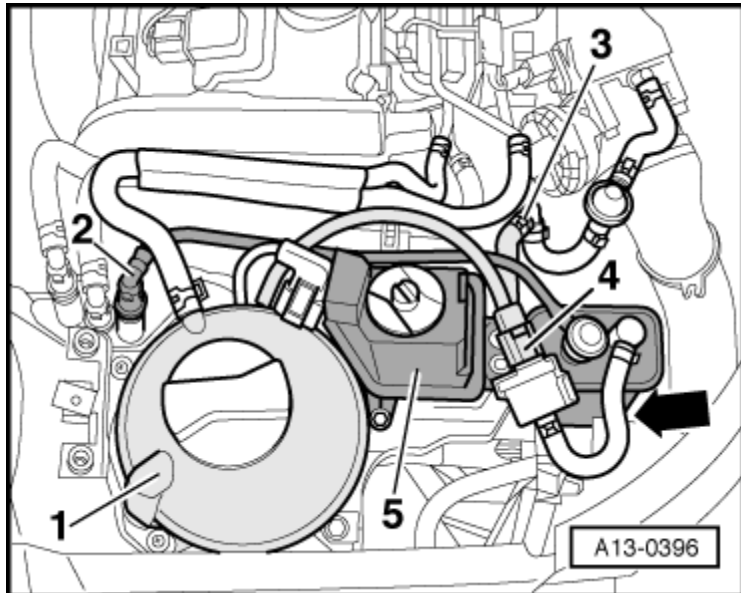
- Detach hose -3-.
- Press release tab and disconnect vacuum line -2- leading to activated charcoal filter.
- Detach solenoid valve 1 for activated charcoal filter system -N80--4- from activated charcoal filter.
- Unscrew nut -arrow- and move activated charcoal filter to one side; hoses remain connected.
- Detach coolant expansion tank -1- and power steering reservoir -5-. Hoses remain connected.



Rest-of-world vehicles with hose routing version 2:

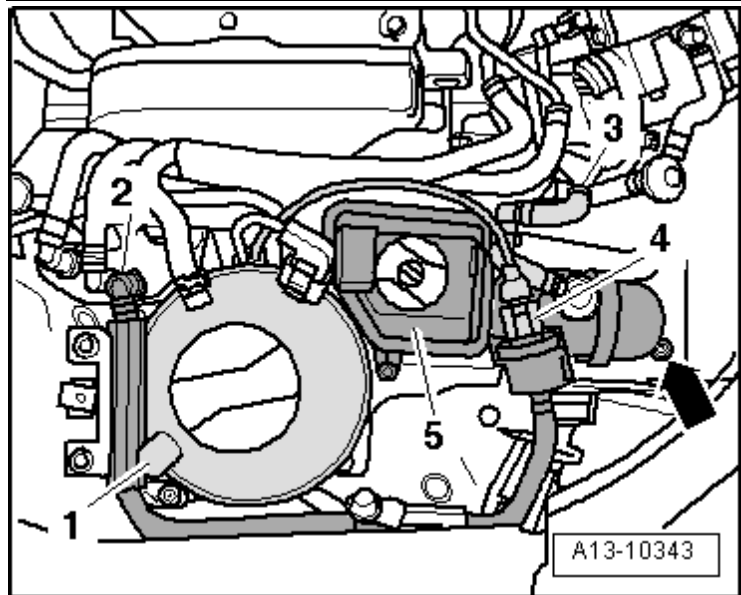
- Detach hose -3-.

- Press release tab and disconnect vacuum line -2- leading to activated charcoal filter.
- Unplug electrical connector -4- at solenoid valve 1 for activated charcoal filter system -N80-.
- Remove nut -arrow- and detach activated charcoal filter.
- Detach coolant expansion tank -1- and power steering reservoir -5-. Hoses remain connected.



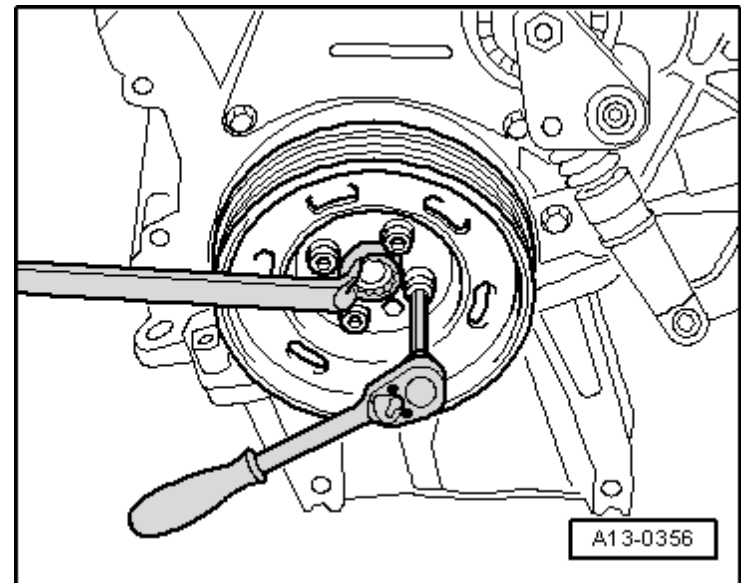
USA models:

- Detach hose -3-.
- Press release tab and disconnect vacuum hose -2- leading to solenoid valve 1 for activated charcoal filter system -N80-.
- Unplug electrical connector -4- at solenoid valve 1 for activated charcoal filter system -N80-.
- Remove nut -arrow- and detach vacuum reservoir.
- Detach coolant expansion tank -1- and power steering reservoir -5-. Hoses remain connected.

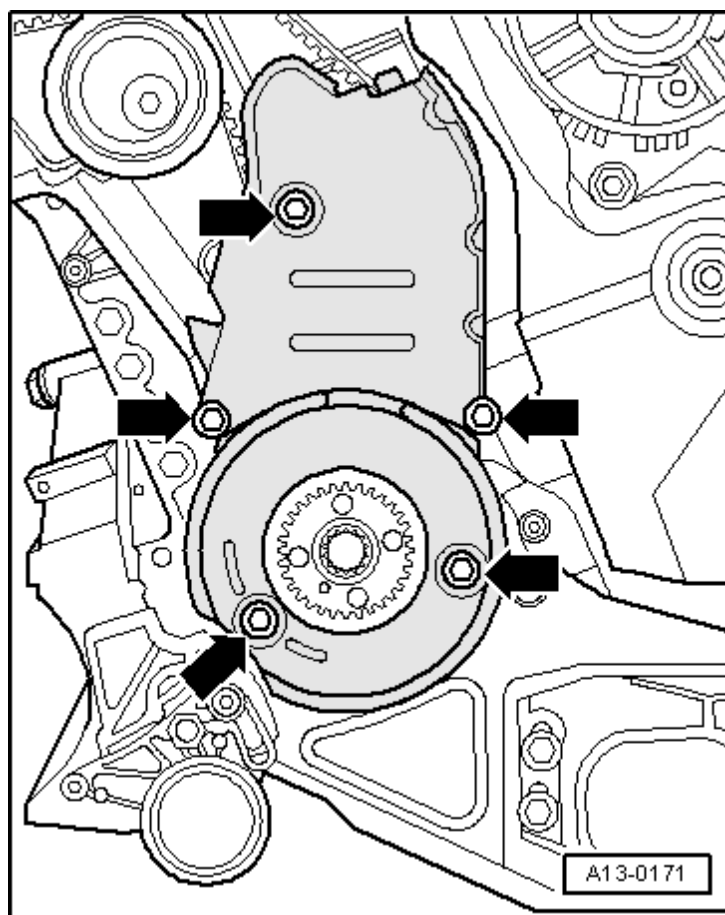


All models:

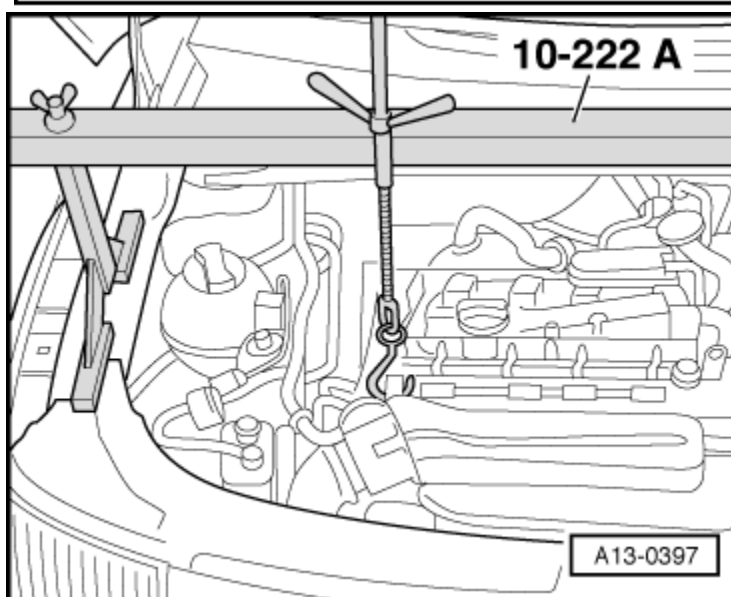
- Turn crankshaft to "TDC": With engine installed → [Chapter](#), with engine removed → [Chapter](#).
- Unbolt vibration damper; counterhold on centre bolt with ring spanner.



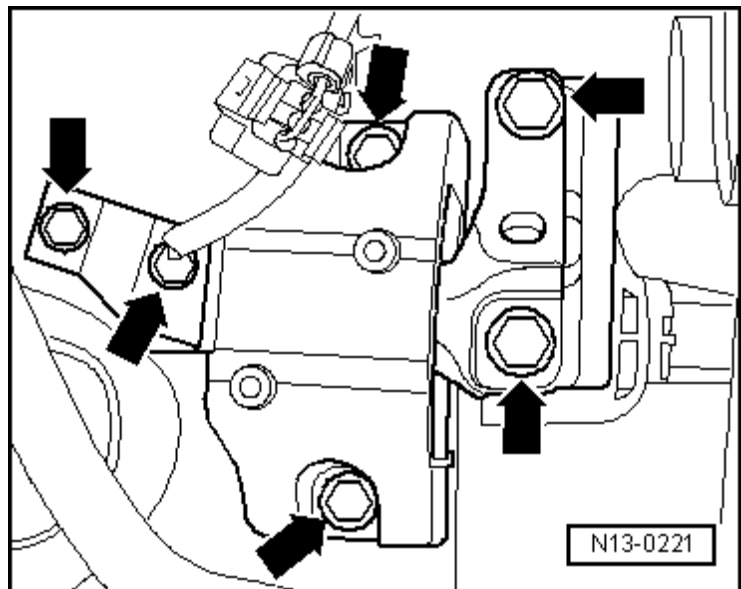
- Unbolt lower and centre toothed belt covers -arrows-.



- Set up support bracket -10 - 222 A- on top surface of panel flange.
- ! The spindle is located at the front.
- Attach hook on spindle to lifting eye (right-side).
- Lift engine slightly with spindle of support bracket -10 - 222 A-.



- Unbolt engine mounting and connecting bracket from body and from engine support -arrows-.
- Remove engine mounting.

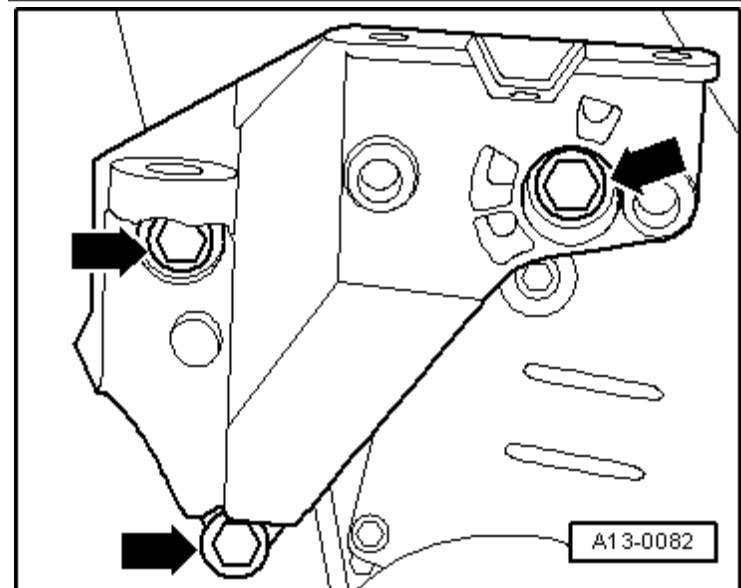


- Remove bolts for engine support - arrows- but do not take out the engine support.



Note

To remove the bolts for the engine support, raise or lower the engine slightly as necessary via the spindle on support bracket -10 - 222 A-.



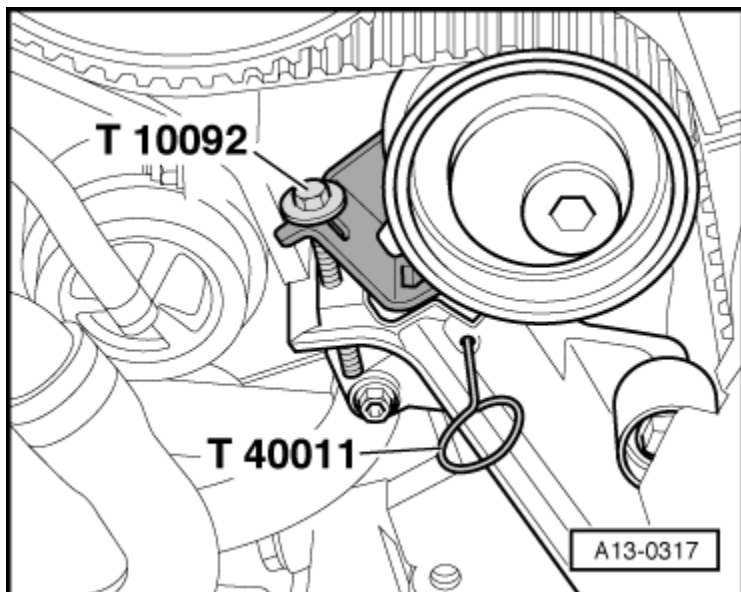
- Screw tensioning bolt -T10092- into toothed belt tensioner.
- Compress piston of tensioner just far enough so that the piston can be locked with locking pin -T40011-.



Note

Bend locking pin -T40011- approx. 90° so it can be inserted more easily.

- Mark the rotation direction of toothed belt with chalk or a felt-tipped pen.
- Pull out toothed belt through space between engine support and cylinder block.



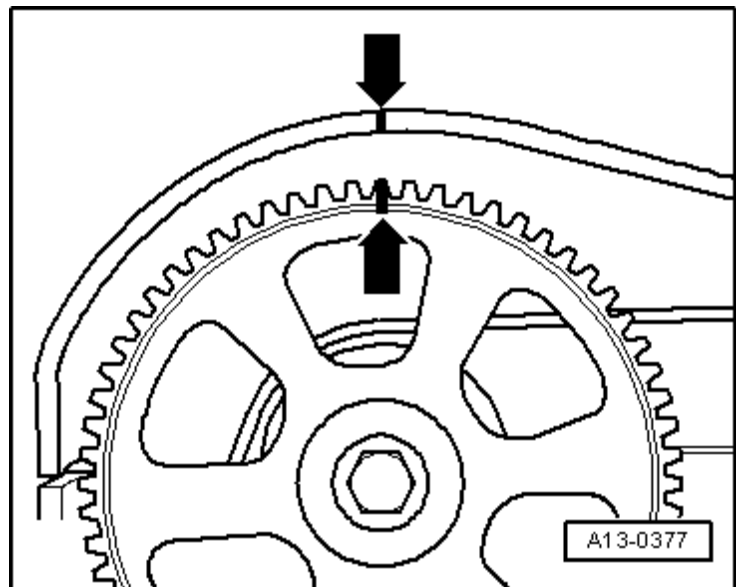
Installing (adjusting valve timing)



Caution

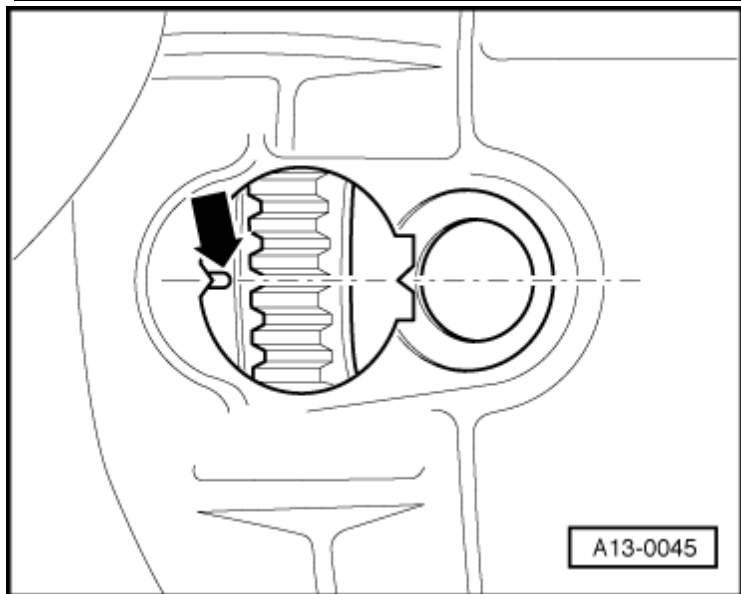
When turning the camshaft, the crankshaft must not be at "TDC". Otherwise, there is a risk of damage to valves and piston crowns.

- Check that marking on camshaft sprocket is aligned with marking on cylinder head cover -arrows-.



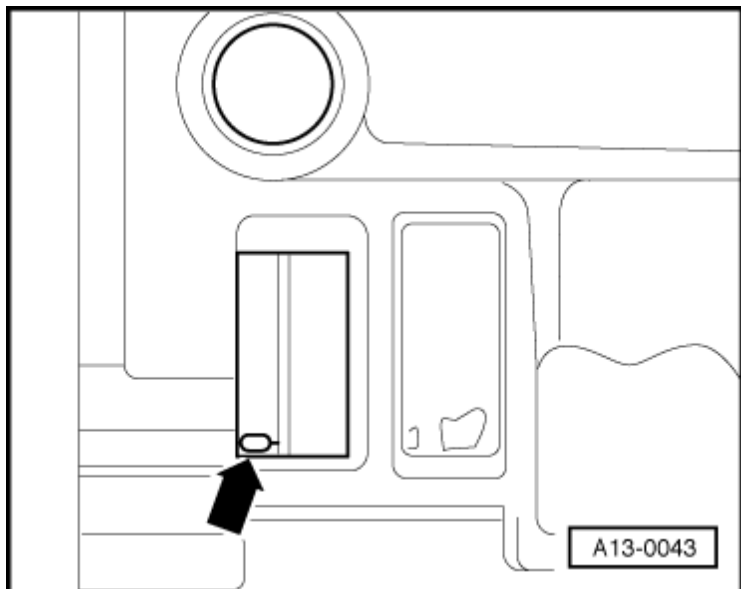
- Check that crankshaft is still positioned at TDC -arrow-.

1 Vehicles with manual gearbox



1 Vehicles with automatic gearbox

- Fit toothed belt onto crankshaft sprocket, noting direction of rotation.
- Fit toothed belt onto remaining sprockets in the sequence: coolant pump, tensioning roller, camshaft sprocket.



- Remove tensioning bolt -T10092-.
- Remove locking pin -T40011- from tensioner.

- 1 Piston of toothed belt tensioner is released.

Turn crankshaft at central bolt on toothed belt sprocket two revolutions in direction of engine rotation and check whether camshaft and crankshaft markings align with their respective reference points.

- Install toothed belt cover.

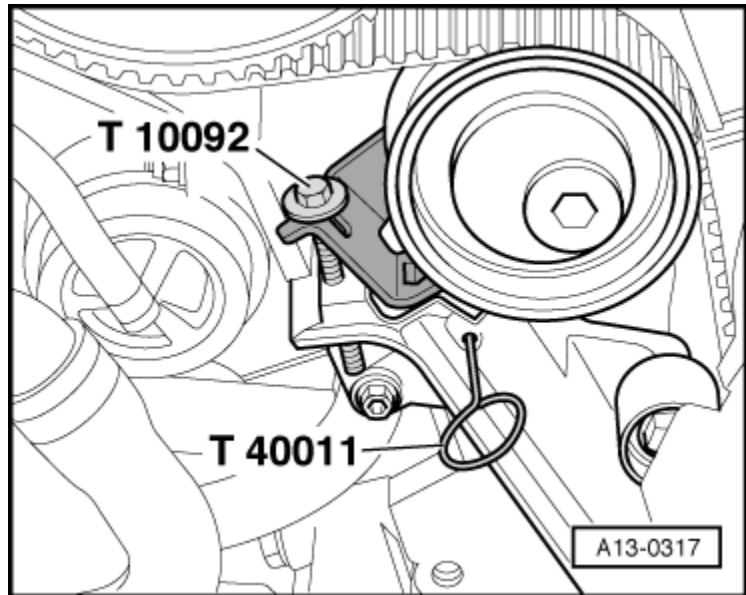
Installation is carried out in the reverse order; note the following:



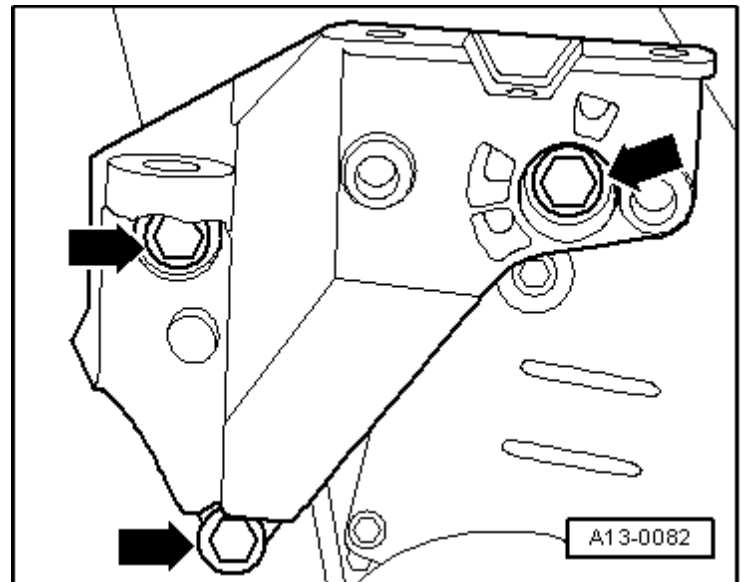
Note

Secure all hose connections with the correct type of hose clips (same as original equipment) → [Parts catalogue](#).

- Install vibration damper → [Chapter](#).



- Install engine support -arrows-.
- Adjust assembly mountings → [Chapter](#).
- Install poly V-belt → [Chapter](#).
- Install coolant expansion tank, power steering reservoir and activated charcoal filter.



Tightening torques

Component	Nm
Toothed belt cover (bottom) to cylinder block	10 ¹⁾
Toothed belt cover (centre) to cylinder block	10 ¹⁾
Engine support to cylinder block	45
Connecting bracket to body/engine mounting	25
Engine mounting to body	40 + 90° ²⁾³⁾
Tensioner for poly V-belt to bracket for ancillaries	23

1 ¹⁾ Install using locking fluid; locking fluid → [Parts catalogue](#).

1 ²⁾ Renew bolts.

1 ³⁾ 90° = one quarter turn.