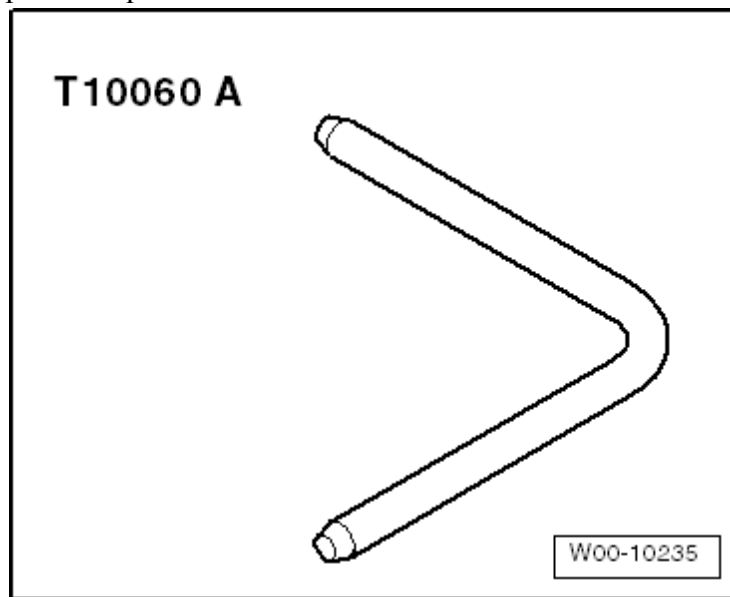


1.8 litre engine (110 ... 140 kW)

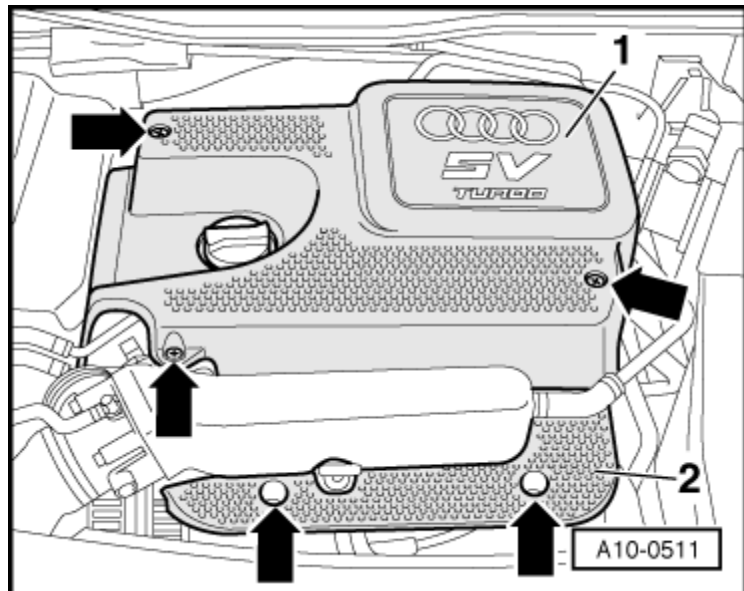
Special tools and workshop equipment required

t Locking pin -T10060 A-

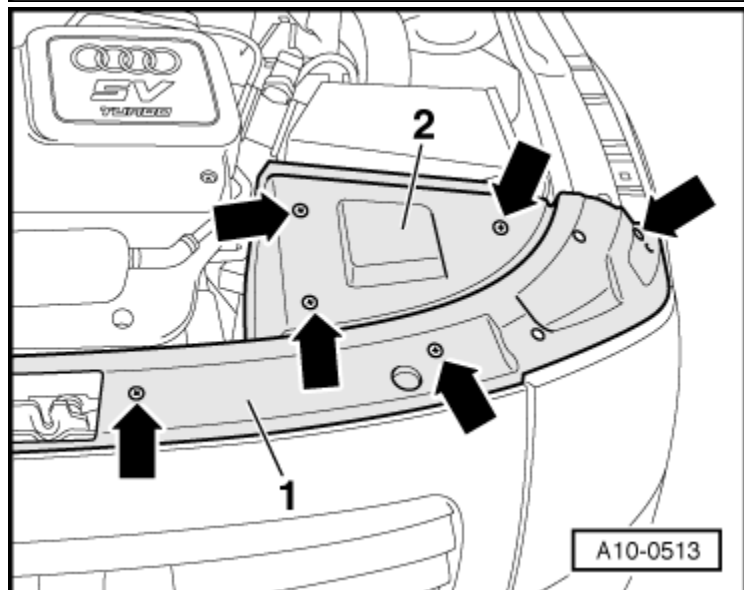


Removing

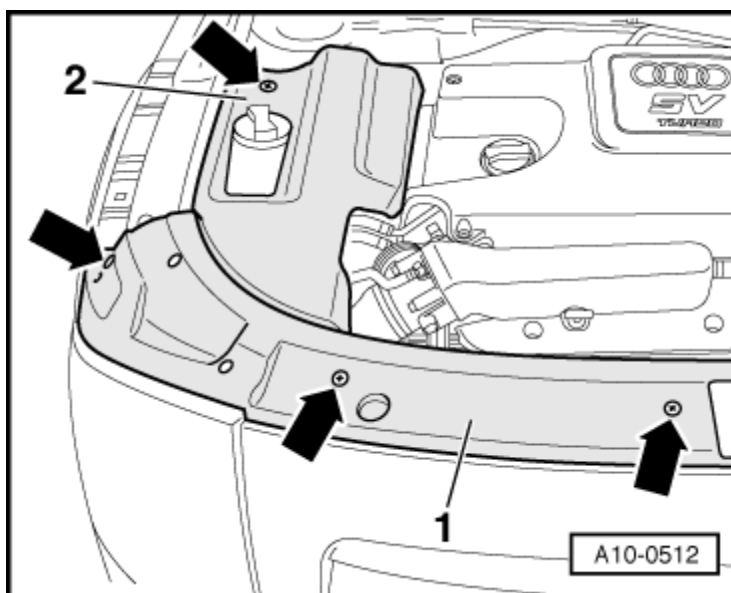
- With ignition switched off, disconnect earth cable at battery → [Chapter](#).
- Remove engine cover panel -1- and cover in front of intake manifold -2-- arrows-.



- Remove cover -1- (left-side) on lock carrier -arrows-.



- Remove covers -1- and -2- on lock carrier (right-side) and above coolant expansion tank -arrows-.

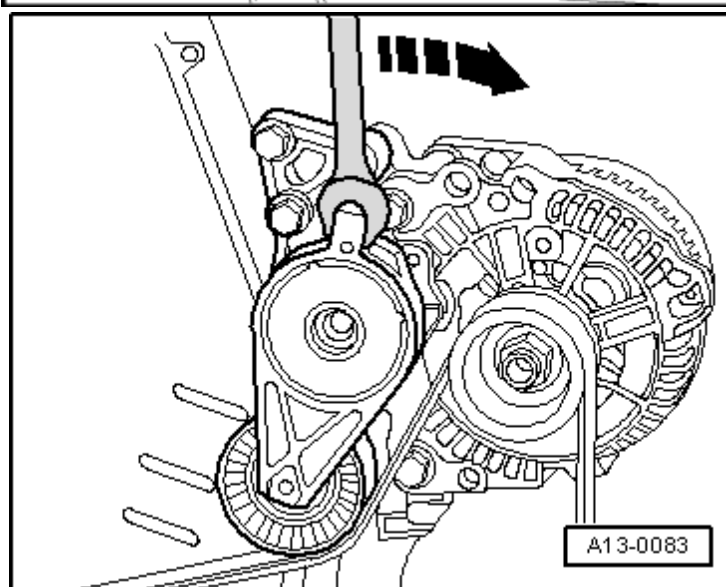


! Caution

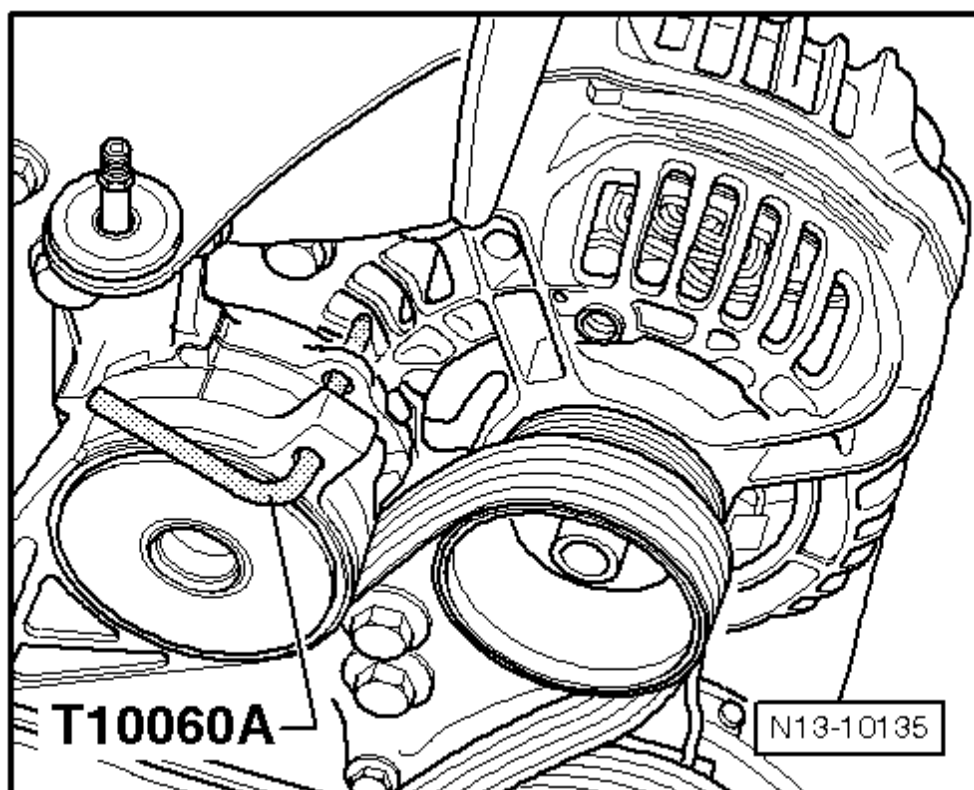
Risk of breakage if the poly V-belt runs in the opposite direction when refitted.

Before removing, mark direction of operation of poly V-belt with chalk or felt-tipped pen in preparation for re-installation.

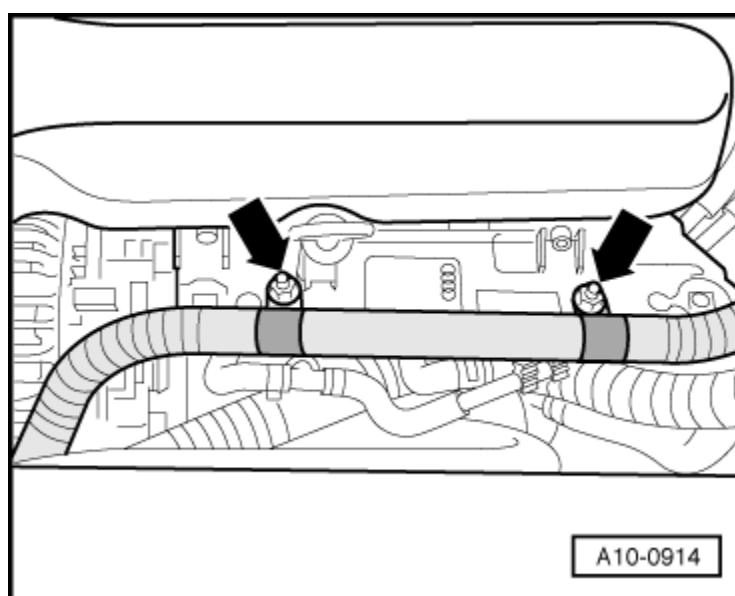
- To slacken poly V-belt turn tensioner in direction of -arrow-.



- Lock the poly V-belt tensioner using the locking pin - T10060 A-.
- Take off poly V-belt.

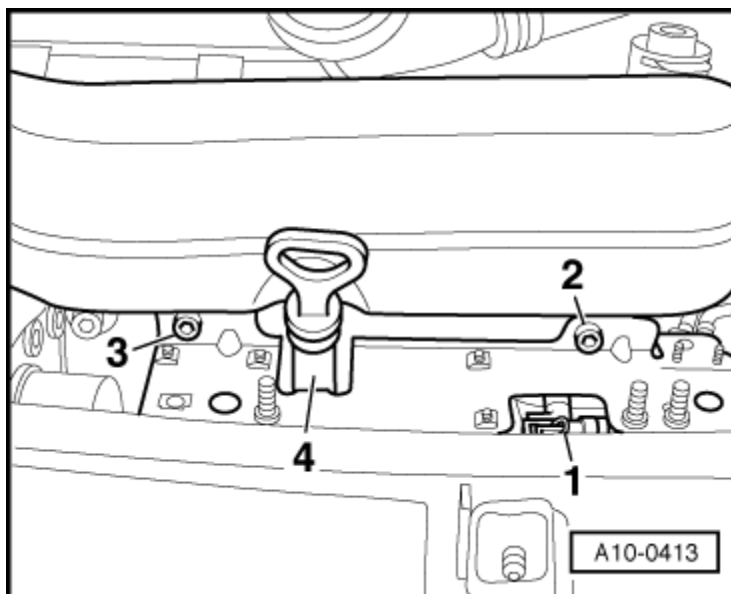


- Detach pipe for secondary air system from bracket on engine -arrows-.

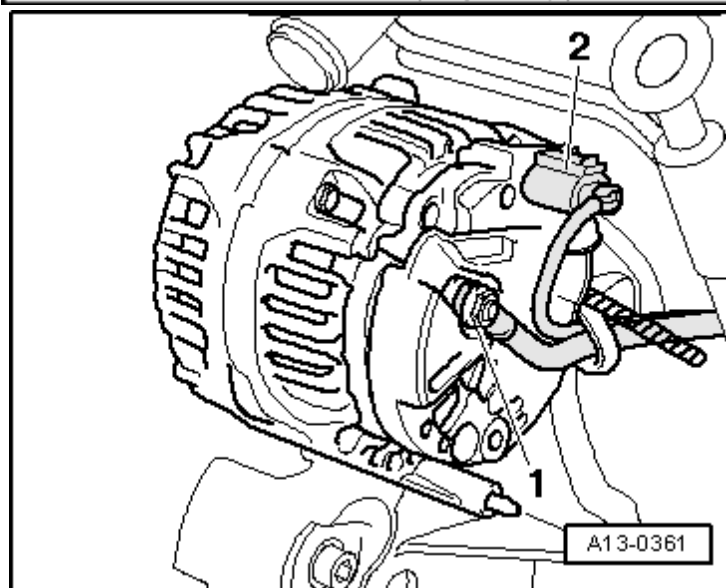


- Unscrew bolts -2- and -3- and pull bracket off guide tube for dipstick -4-.
- On underside of bracket, unplug
- connectors -1- for turbocharger air recirculation valve -N249- and secondary air inlet valve -N112-.
- Detach vacuum hose going to electrical change-over valves at intake manifold.
- Move bracket clear to one side (hoses remain attached).

- Disconnect air hoses at secondary air pump.



- Unplug electrical connector -2-.
- Detach electrical wire -1- from alternator.
- Unscrew wiring clamp at alternator.



- Unscrew bolts -arrows-.
- Detach alternator and guide it out of engine compartment towards the left.

Installing

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

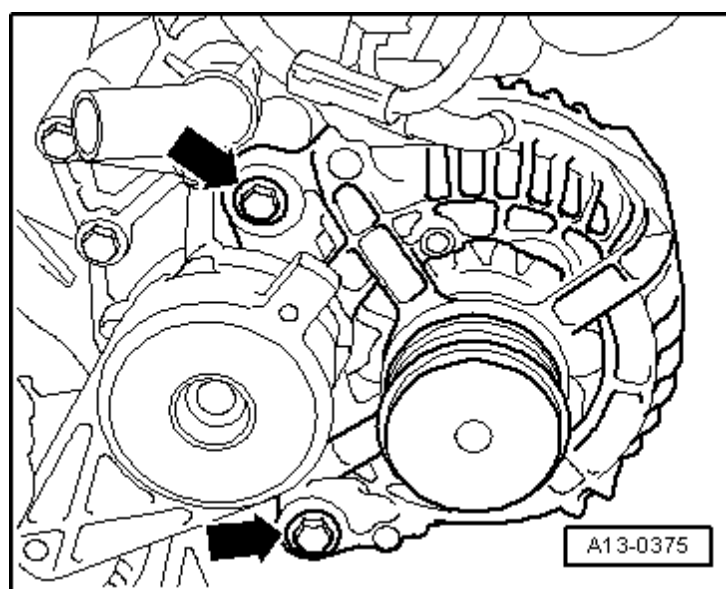
- To facilitate positioning of alternator, drive back bushes for securing bolts slightly.



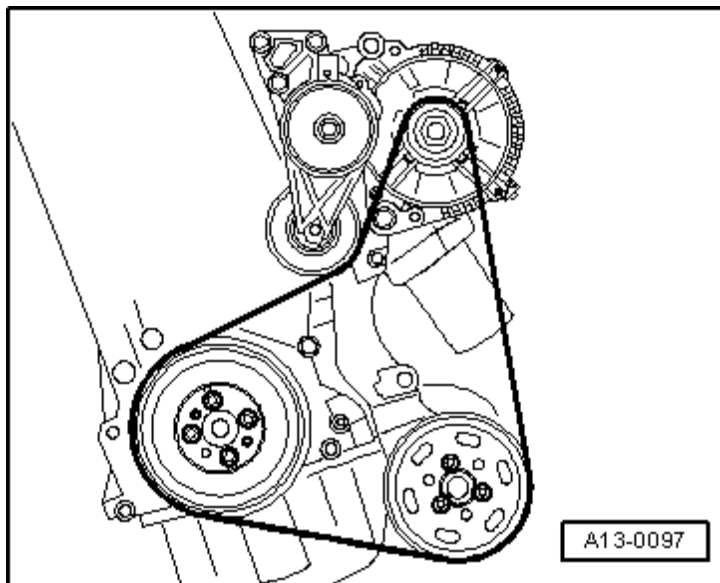
Note

Stiff alternator mount bushes must be freed; otherwise the clamping force of the bush will not be adequate even when the bolts are tightened to the correct torque.

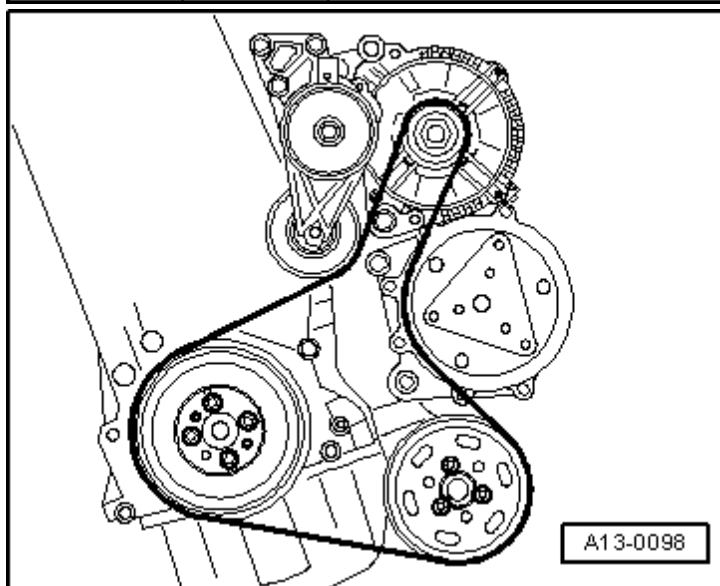
- Fit poly V-belt on pulleys of crankshaft, alternator and air conditioner compressor (if fitted).



- 1 Routing of poly V-belt on vehicles with no air conditioner.



- 1 Routing of poly V-belt on vehicles with air conditioner.
- Check correct positioning of poly V-belt.



Use ring

spanner to hold

- tensioner and pull out locking pin -T10060 A-

.

Release

- pressure from tensioner.

Connect

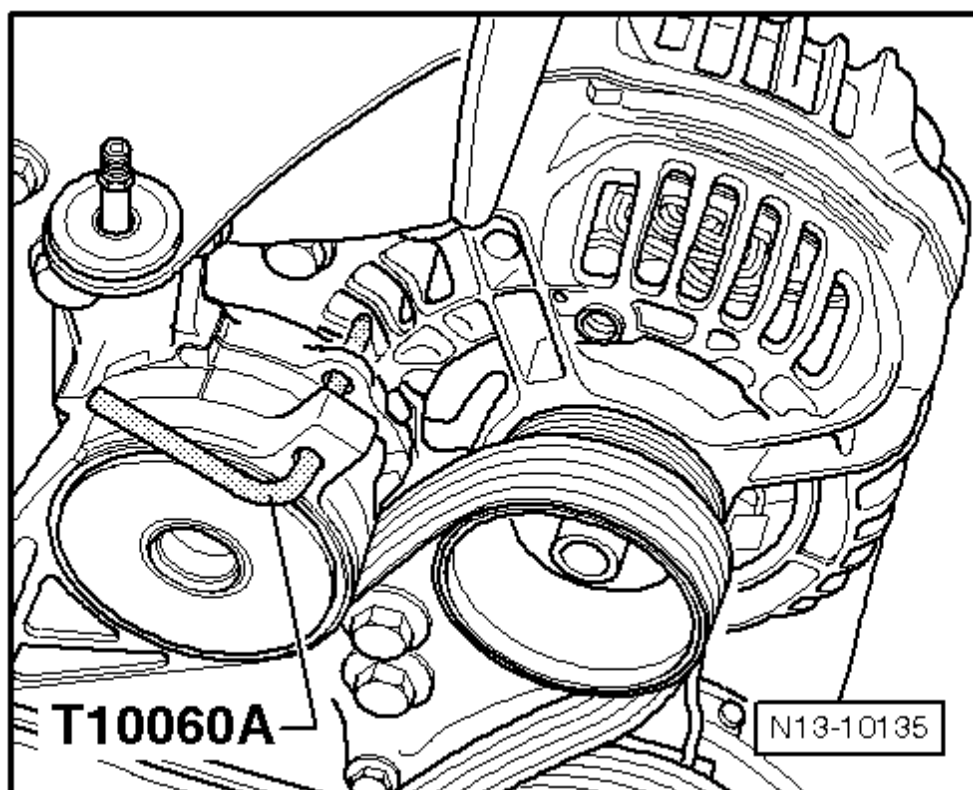
- battery. Steps required
- [Chapter](#).

Start engine

- and check that belt runs properly.

Tightening

torques



Component	Nm
Alternator to bracket	23
Terminal 30/B+ to alternator	16
Bracket to intake manifold	10
Pipe for secondary air system to bracket	10