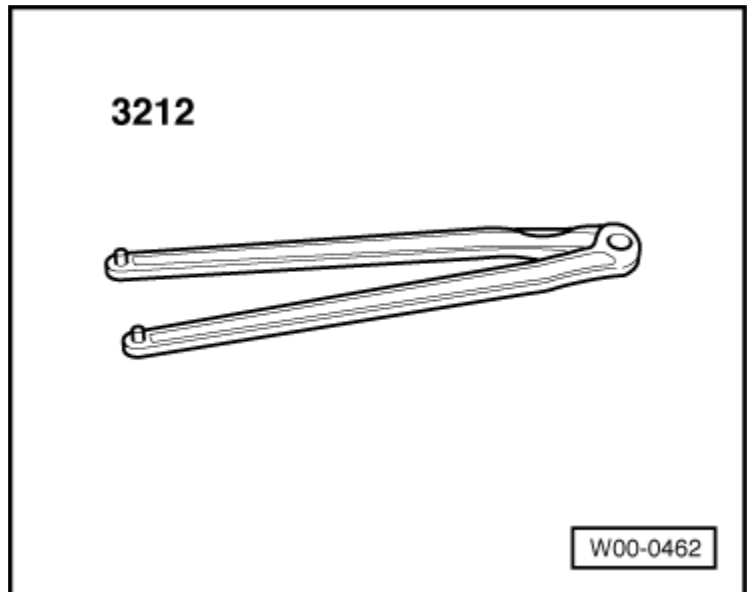


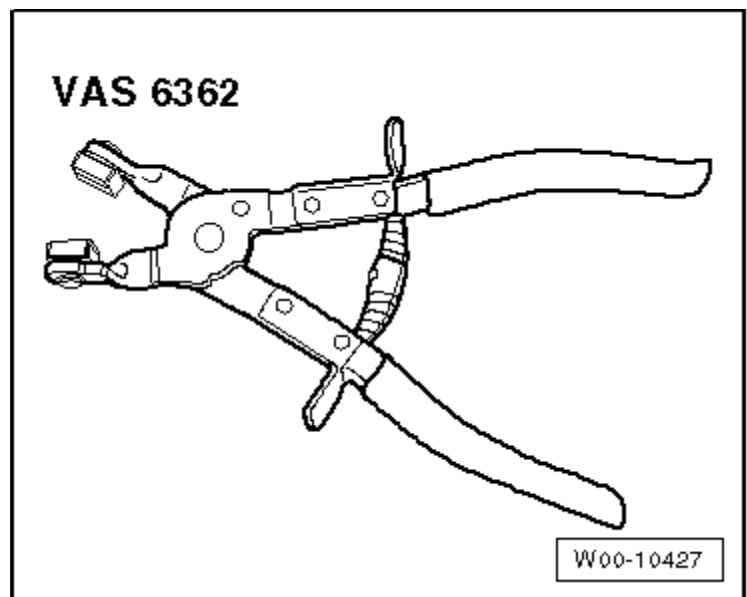
Removing and installing coolant pipe (front)

Special tools and workshop equipment required

- ◆ Pin wrench -3212-

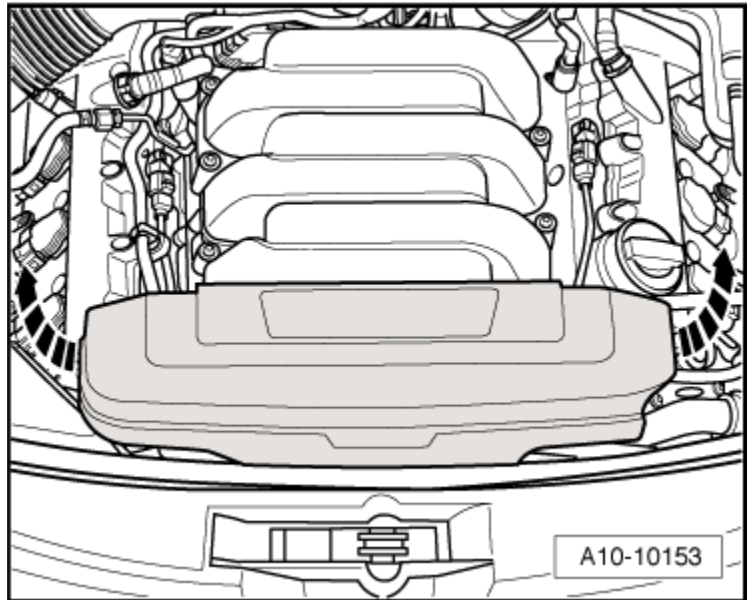


- ◆ Hose clip pliers -VAS 6362-

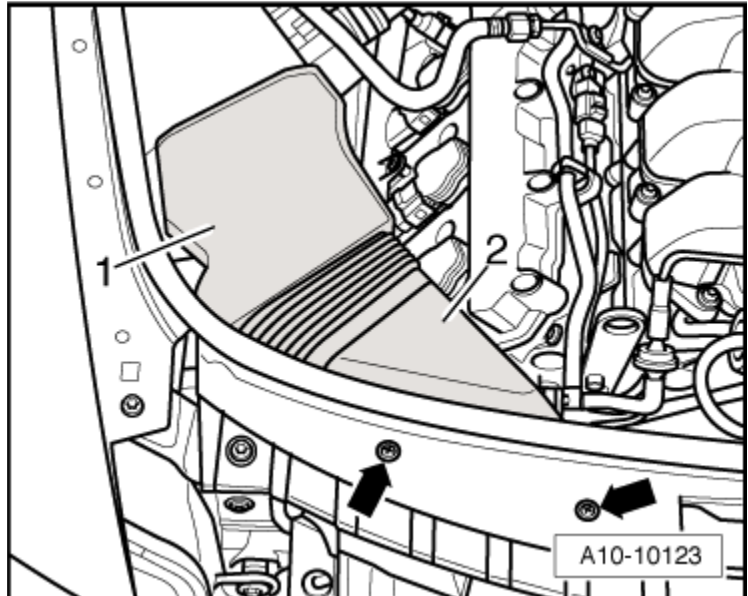


Removing

- Pull off engine cover panel (front) -arrows-

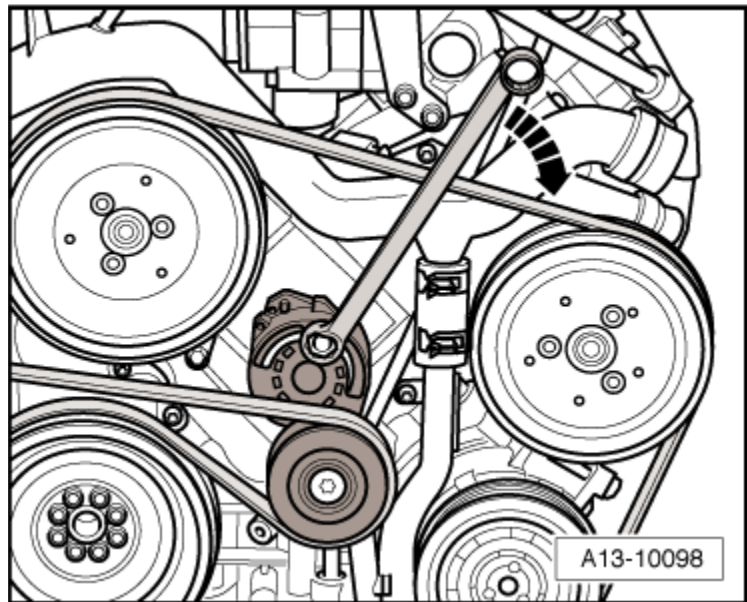


- Remove bolts -arrows-.
- Remove air ducts -1- and -2-.

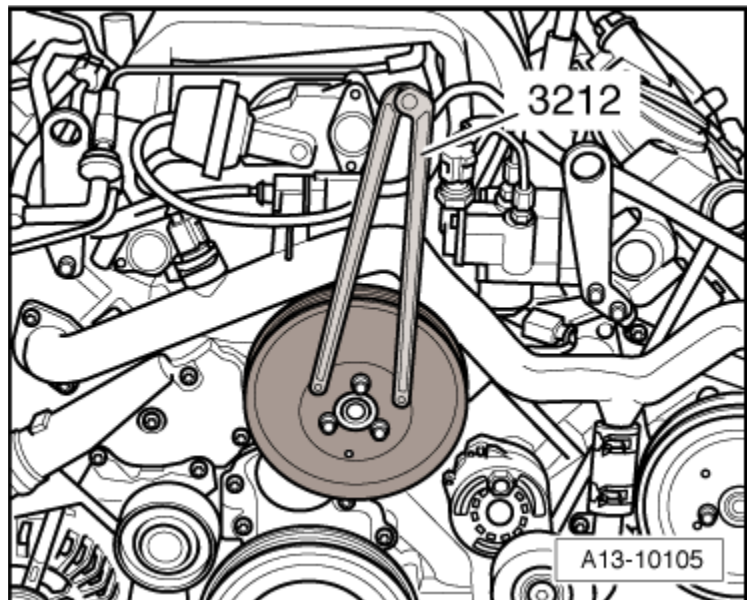
**Note**

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

- To slacken poly V-belt turn tensioner in direction of -arrow-.
- Remove poly V-belt from coolant pump.
- Release pressure from the tensioner.



- Unbolt belt pulley from coolant pump.
- Use pin wrench -3212- to counterhold pulley when loosening bolts.



- Unplug electrical connector -3-.
- Detach coolant hoses -arrows- from coolant pipe (front).
- Unscrew bolts -1-, -2-, -4- and -5- and remove coolant pipe (front).

Installing

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



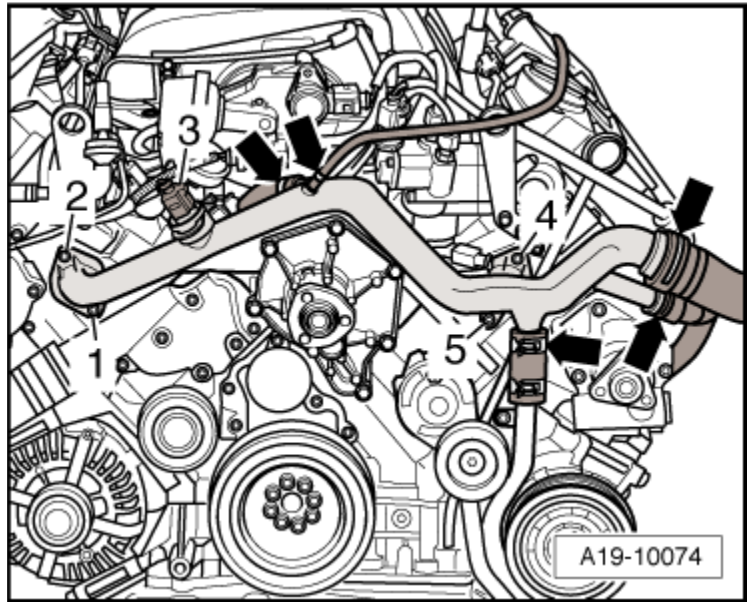
Note

- ◆ Renew seals and O-rings.
- ◆ Secure all hose connections with the correct type of hose clips (same as original)

equipment) → *Electronic parts catalogue*.

- Before installing, clean and smoothen sealing surface for O-ring.
- Lubricate new O-ring with coolant and slide onto coolant pipe.
- Install poly V-belt → **Chapter**.
- Fill cooling system → **Anchor**.

Tightening torques



Component	Nm
Coolant pipe (front) to engine	9
Poly V-belt pulley to coolant pump	20