

Removing and installing high-pressure fuel pump



Note

- ◆ *The high-pressure fuel pump should only be removed and installed when the engine is cold.*
- ◆ *When installing the high-pressure fuel pump, it is essential to ensure that no dirt enters the fuel system.*
- ◆ *Use a cloth to catch escaping fuel.*

Removing



Caution

Take care to keep components clean.

Observe rules for cleanliness when working on the fuel supply system → Chapter „Rules for cleanliness“.

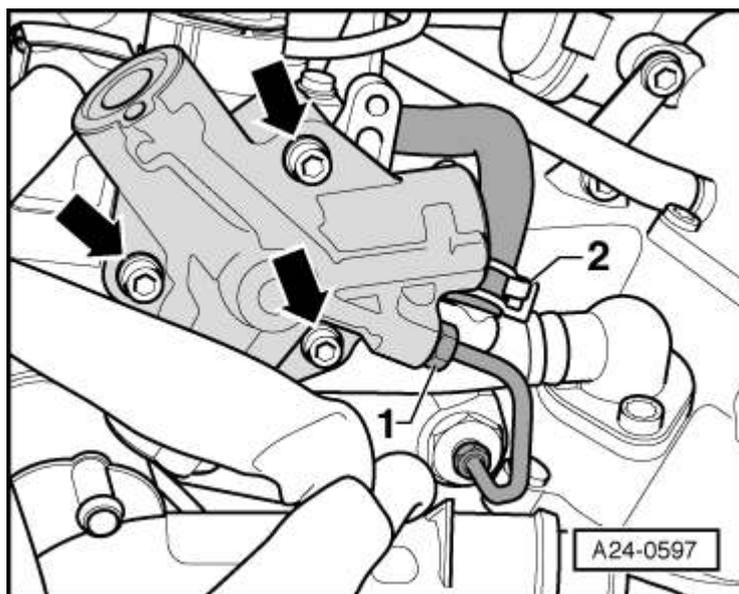
Risk of injury - fuel system operates under high pressure

The fuel system is pressurised. There is a risk of injury as fuel may spray out.

Before opening the fuel system:

- Put on safety goggles.
- Put on protective gloves.
- Release pressure (wrap clean cloth around connection and open connection carefully).

- Disconnect fuel supply line -2- from high-pressure fuel pump.
- Open connection for high-pressure fuel line -1- on high-pressure fuel pump and on fuel rail.
- Remove the three bolts -arrows-. If necessary, open cable ties securing wiring harness.
- Turn high-pressure fuel pump anti-clockwise until high-pressure line -2- can be disconnected from high-pressure fuel pump.
- Pull high-pressure fuel pump out of camshaft housing.



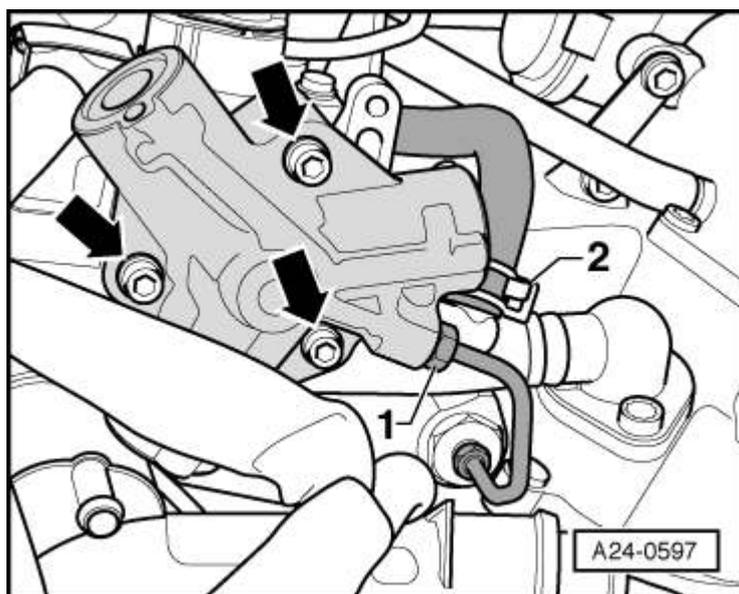
Installing



Note

- ◆ *O-ring for high-pressure fuel pump must always be renewed.*

- ◆ *High-pressure fuel line must always be renewed.*
- When installing high-pressure fuel pump in camshaft housing, pay attention to pin which must be guided into high-pressure fuel pump.
- Secure new high-pressure line at fuel rail hand-tight.
- Turn high-pressure fuel pump slightly anti-clockwise, then turn it clockwise while carefully guiding new high-pressure line into high-pressure fuel pump.
- Screw union screw -1- approx. 2 turns into high-pressure fuel pump.
- Tighten high-pressure fuel pump - arrows- with the three bolts. Tightening torque: 10 Nm
- Tighten high-pressure line. Tightening torque: 15 Nm



- Fit fuel supply line -2- back on high-pressure fuel pump. Make sure that hose clip is securely fitted.
- With engine idling, check high-pressure fuel pump and fuel lines for leaks.

