

## High Pressure Pump

Special tools and workshop equipment required

t Socket 14 mm -3150-

t Torque wrench -V A G 1331-

t Ratchet -V A G 1331/1-

t Socket -T40055-

Removing

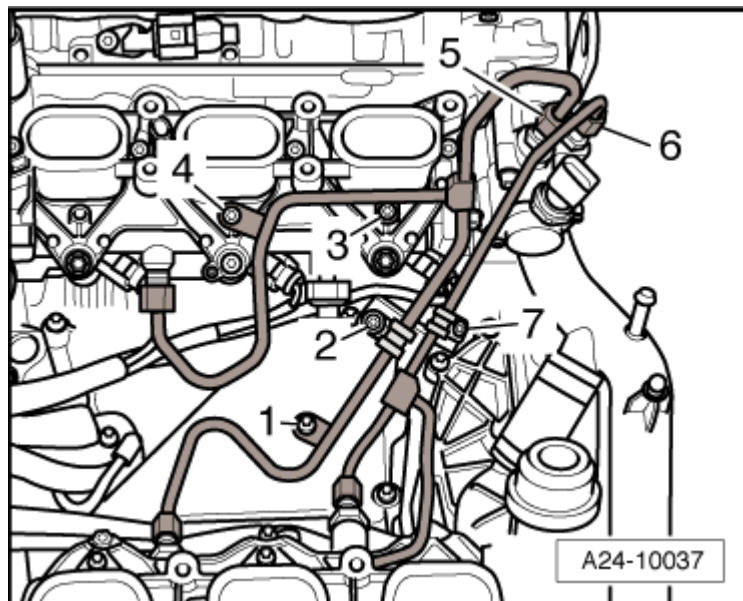


## WARNING

t Fuel system is under high pressure! Before opening high pressure components of the fuel injection system, pressure must be relieved to residual pressure → [Chapter](#).

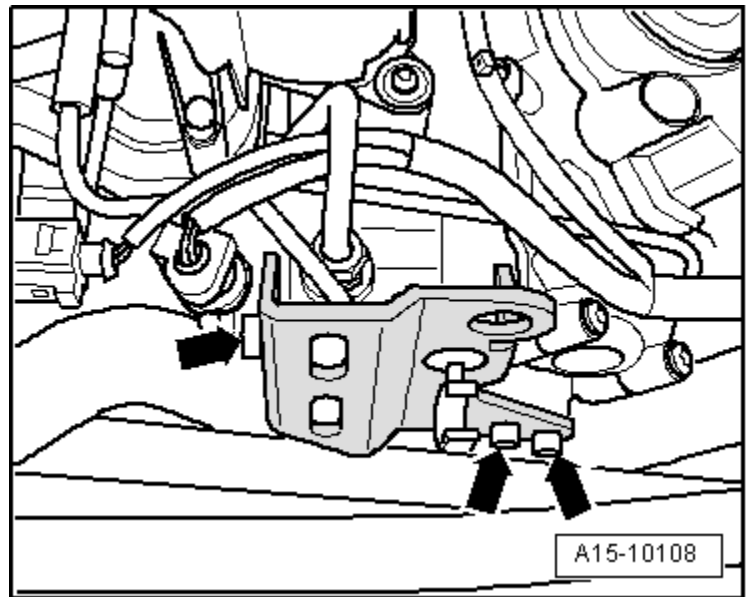
t Then wrap a clean rag around the connection and relieve residual pressure by carefully loosening the connection.

- Drain coolant → [Engine Mechanical/Rep.Gr.19](#).
- Remove front coolant pipe → [Engine Mechanical/Rep.Gr.19](#).
- Remove upper part of intake manifold → [Chapter](#).



- Remove bolts -1 through 4- and -7-.
- Loosen union nuts -5- and -6-.

- If equipped, remove large lifting eye - arrows-.



- Disconnect electrical connectors -1- and -2-.



Note

- 1- depending on version
- Remove bolts -arrows-.
- Carefully lift high pressure lines.



Note

- Do not change bend shape.
- Remove high pressure pump with actuator.

Installing

Installation is in reverse order of removal, note the following:



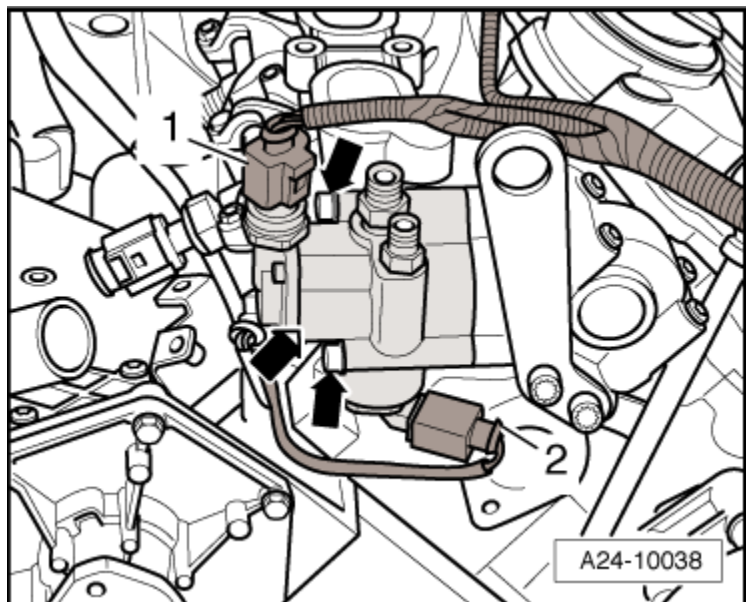
Note

- Replace O-ring.
- To set high pressure pump in place, lift high pressure lines only slightly.



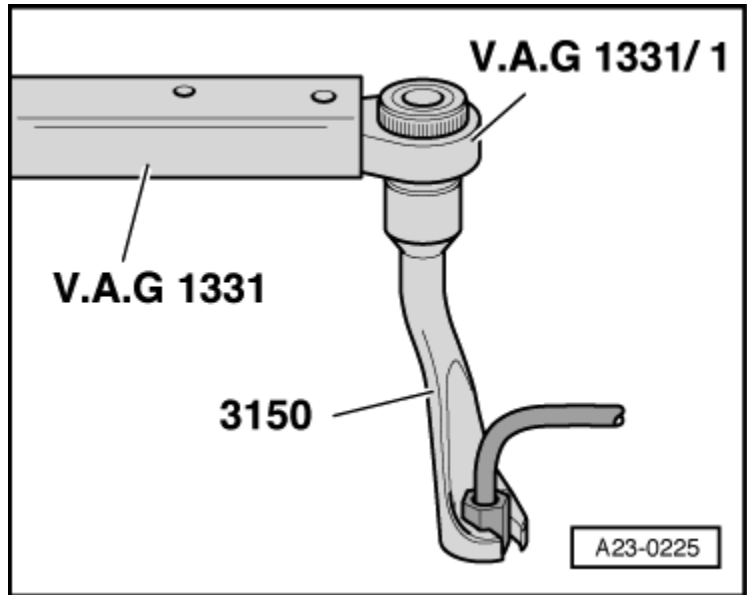
Note

- High pressure line connections must not show any signs of damage.
- Do not change bend shape of high pressure lines.
- Place high pressure pump with actuator into cylinder head and fasten.
- Hand-tighten union nuts for high-pressure lines.
- Make sure high-pressure lines are seated



free of stress.

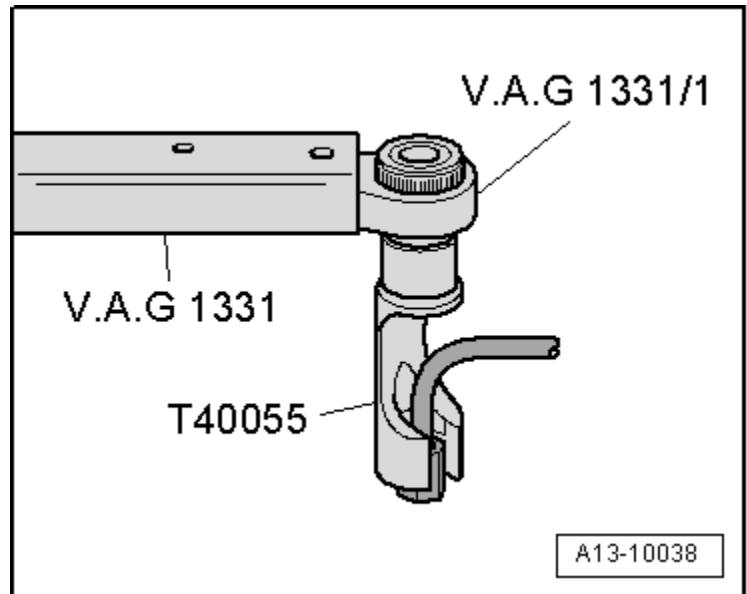
To fasten high-pressure line (14 mm ) at high pressure pump use torque wrench - V A G 1331-w ith ratchet-V A G 1331/1- and socket 14 mm -3150-.



To fasten high-pressure line (17 mm ) at high pressure pump , use torque wrench - V A G 1331-w ith reversible ratchet - V A G 1331/1- and socket -T40055-.

- Install intake manifold upper-part → [Chapter](#).
- Install front coolant pipe → [Engine Mechanical;Rep.Gr.19](#).
- Fillw ith coolant → [Engine Mechanical;Rep.Gr.19](#).

Tightening Specifications



Component	Nm
High pressure pump to cylinder head	10
High pressure lines to high pressure pump	25