

13 51 017**Removing and installing/replacing high pressure pump (Bosch) (N55)****Warning!**

Observe warning on cylinder head cover.

Disconnect [negative battery terminal](#) (risk of fire due to short-circuiting on dismantling).

Electric fuel pump starts up automatically when door is opened!

Carry out installation work on fuel system only with coolant temperature below 40 °C.

**Important!**

Wear full face guard and protective gloves.

Fuel can emerge spontaneously at high speed when the high pressure line is released!

**Important!**

Adhere to conditions of absolute cleanliness when working on the high-pressure fuel system.

Introduced contaminants can cause malfunctions in the system!

- Do not allow any dirt particles or foreign bodies to get into the system.
- Remove all traces of dirt before removing lines or separate components.
- Use only fluff-free cloths.
- Seal all fuel system openings with protective caps or plugs.

Important!



Ignition coils must not be contaminated by fuel.

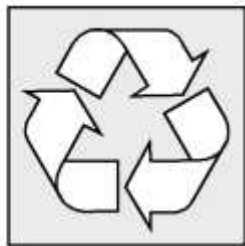
The resistance of the silicone material is reduced significantly by contact with fuel, which may cause the ignition coil to fail!

Cover ignition coil with suitable means.



Necessary preliminary tasks:

- [Remove](#) feed line.
- Remove [pressure line](#).



Recycling:

Fuel escapes when fuel lines are detached.

Catch and dispose of escaping fuel.

Observe country-specific waste disposal regulations.

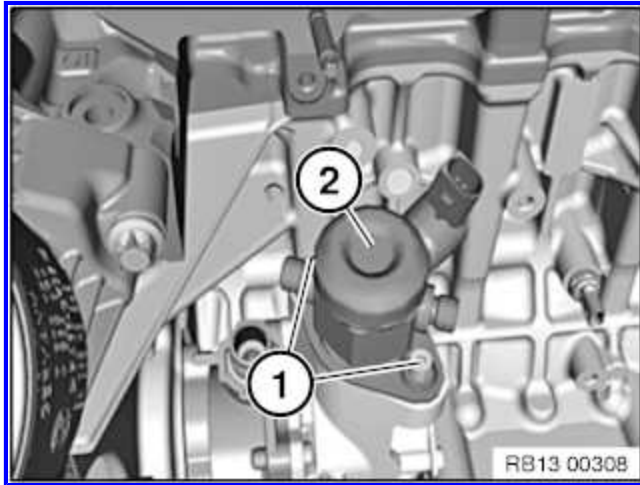
Release screws (1).

Remove high pressure pump (2).

When removing the high pressure pump, ensure that the pump tappet does not fall out.

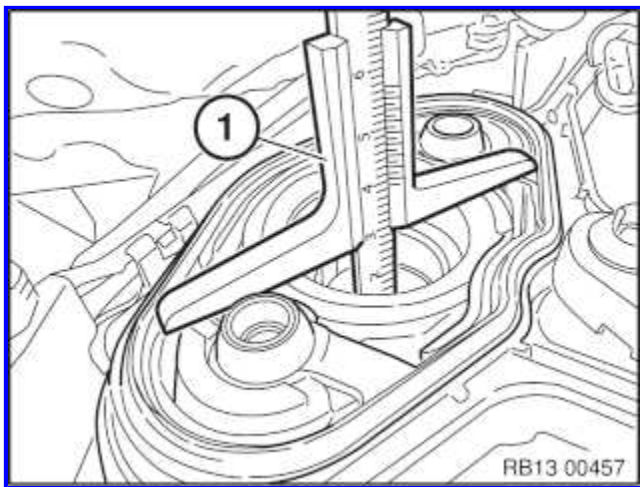
Installation note:

Before installing the high pressure pump, the cam of the high pressure pump drive must be turned to **BDC**. To do this, twist



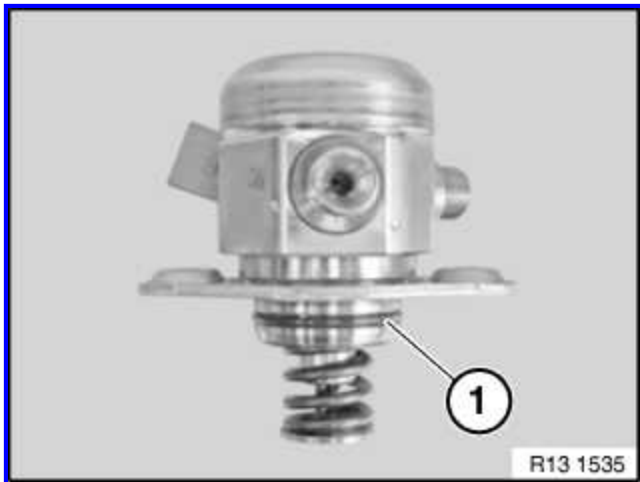
the engine if necessary in the direction of engine rotation to the central bolt of the crankshaft.

Adhere to tightening/torque sequence.



Lay depth gauge (1) flat on high pressure pump flange.

Turn engine at central bolt in direction of engine rotation until the depth gauge shows that the camshaft has reached the **BDC position**.



Installation note:

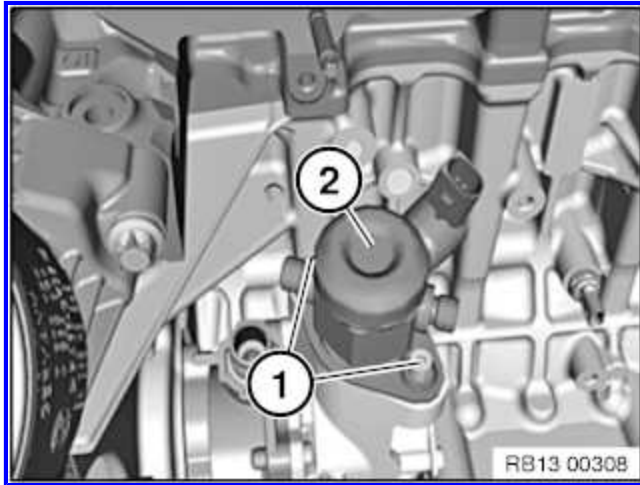
Replace O-ring (1) and coat with engine oil.

Clean contact surfaces.

Install high pressure pump (2).

Installation note:

Provisionally fasten screws (1) on high pressure pump (2) and tighten alternately in 90° increments until final tightening, otherwise the piston may break as a result of tilting!



Tightening torque [13 53 1AZ](#).

Attach connector.



Assemble engine.

Check fuel system for tightness.

Check function of DME.