

## High Pressure Pumps

### Special tools and workshop equipment required

- ◆ Torque Wrench -V.A.G 1331-
- ◆ SW 17 socket -V.A.G 1331/6-
- ◆ SW 14 socket, open ring -V.A.G 1331/8-

### Removing

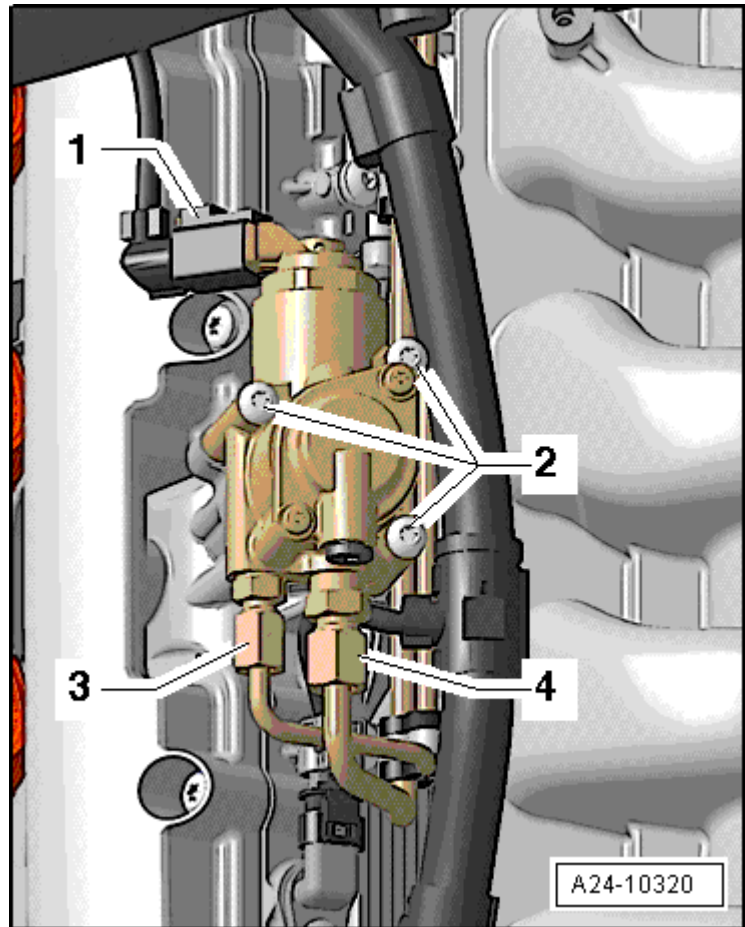


#### **WARNING**

- ◆ ***Fuel system is under high pressure! Before opening high pressure components of the fuel injection system, pressure must be relieved to residual pressure. Refer to → Chapter „Before Opening High Pressure Fuel Injection System“.***
- ◆ ***Then wrap a clean rag around the connection and relieve residual pressure by carefully loosening the connection.***
- ◆ ***Observe safety precautions when disconnecting the battery. Refer to → [Electrical Equipment; Rep. Gr.27](#).***

- Disconnect electrical connector -1- from respective high pressure pump.

### Right high pressure pump



### Left high pressure pump

- Remove union nuts -3- and -4-.
- Remove bolts -2-.



#### Note

*Do not change the angles of the high pressure lines.*

- Carefully remove high pressure pump.
- Remove roller tappet from cylinder head.

### Installing

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

Tightening specifications. Refer to → [Chapter „High Pressure Pump Assembly Overview“](#).



#### Note

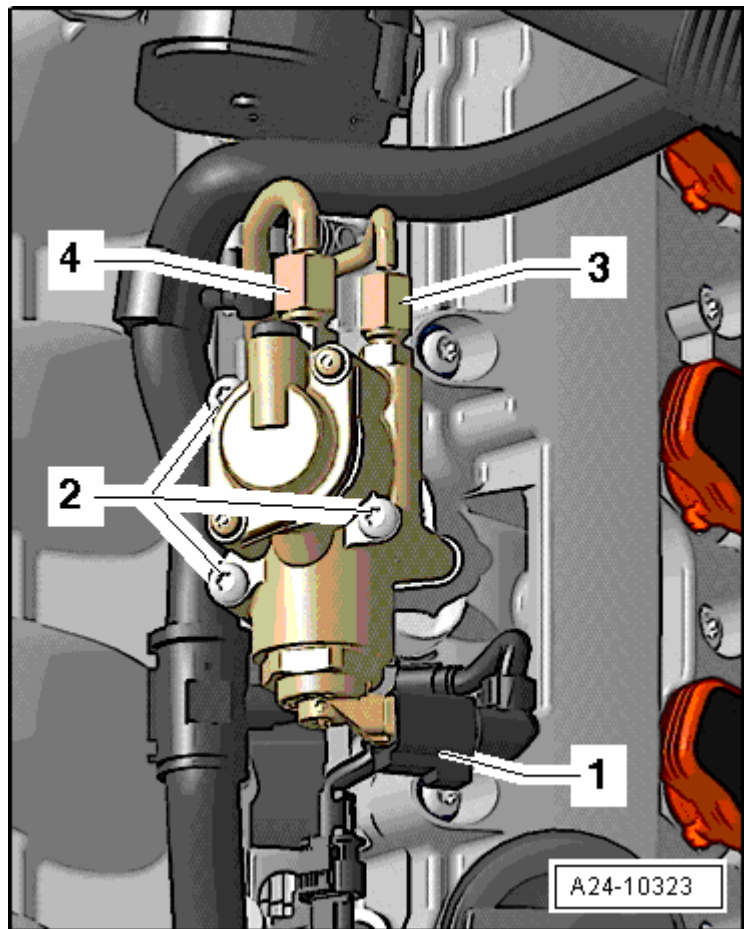
*Always replace O-ring.*

- Insert roller tappet in cylinder head.

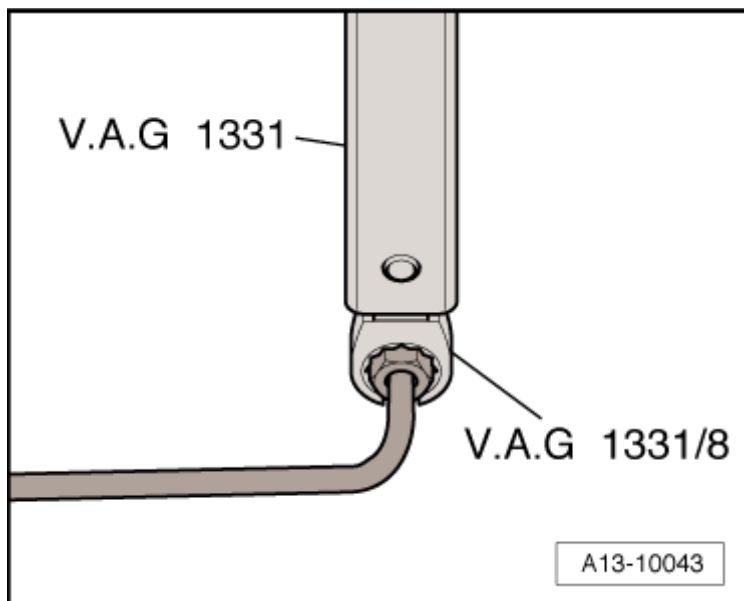
- To set the high pressure pump in place, lift the high pressure lines only slightly.
- Insert high pressure pump with new O-ring in cylinder head and tighten.

**Note**

- ◆ *High pressure line connections must not show any signs of damage.*
- ◆ *Do not change the angles of the high pressure lines.*
- Hand-tighten the union nuts for the high-pressure lines.
- Make sure the high-pressure lines are seated free of stress.



- To fasten the SW 14 union nut for high pressure line, use torque wrench - V.A.G 1331- with 17 mm open end wrench socket -V.A.G 1331/8-.



- To tighten SW 17 union nut for high pressure line, use the torque wrench -V.A.G 1331- with SW 17 socket -V.A.G 1331/6-.

