

Checking components


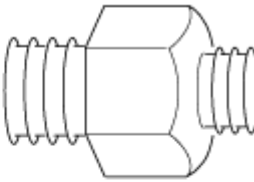
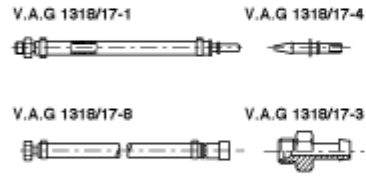
Checking fuel pressure regulator and holding pressure

The fuel pressure regulator regulates the fuel pressure depending on intake manifold pressure.

Special tools, workshop equipment, test and measuring appliances and aux. items required

- ☐ V.A.G 1318 Pressure gauge
- ☐ 1318/9 Adapter
- ☐ 1318/17 Adapter

Test sequence

<p>V.A.G 1318</p> 	<p>V.A.G 1318/9</p> 
<p>V.A.G 1318/17</p> 	
	<p style="text-align: right;">W24-0001</p>

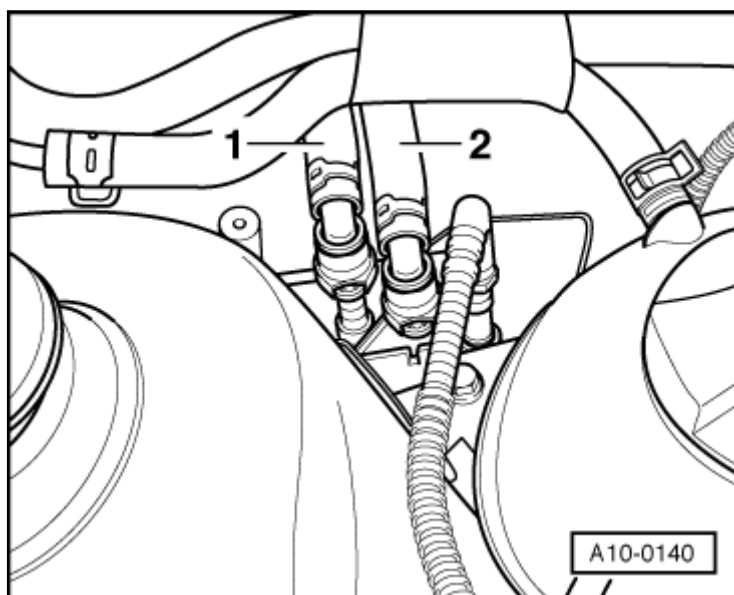
- Remove fuse 28 (fuel pump) from fuse holder.

Warning!

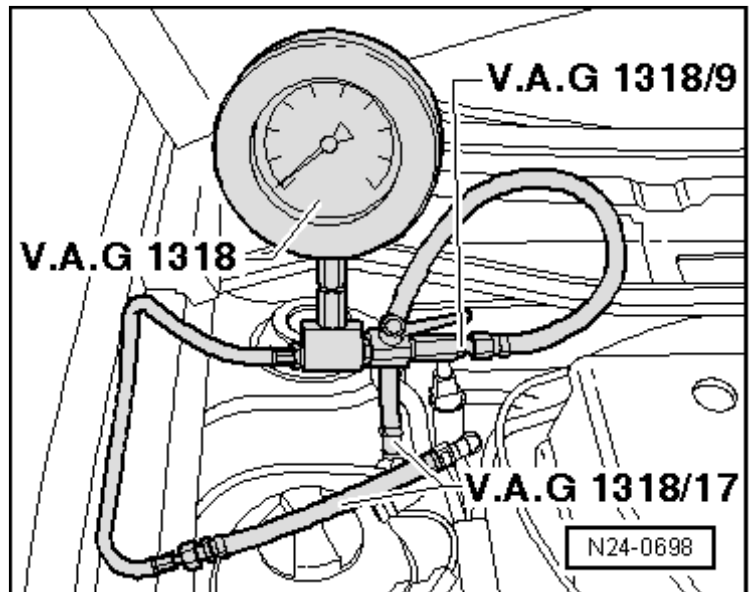
Fuel system is under pressure! Before opening the system place a cloth around the connection. Then release pressure by carefully loosening the connection.

- → Disconnect the fuel supply pipe coupling -1- (black or black marking) and catch the fuel which escapes with a cloth.

To do this, press buttons together on hose coupling.



- → Connect pressure gauge V.A.G 1318 to fuel supply pipe/hose and to hose to fuel rail using adapters 1318/9 and 1318/17.
- Open shut-off tap on pressure gauge. The handle points in direction of flow.
- Refit fuse 28 (fuel pump) in fuse holder.
- Start the engine and run at idling speed.
- Measure fuel pressure.
Specification: Approx. 2.5 bar



- → Pull the vacuum hose -1- off fuel pressure regulator -2-. The fuel pressure must increase to approx. 3.0 bar.

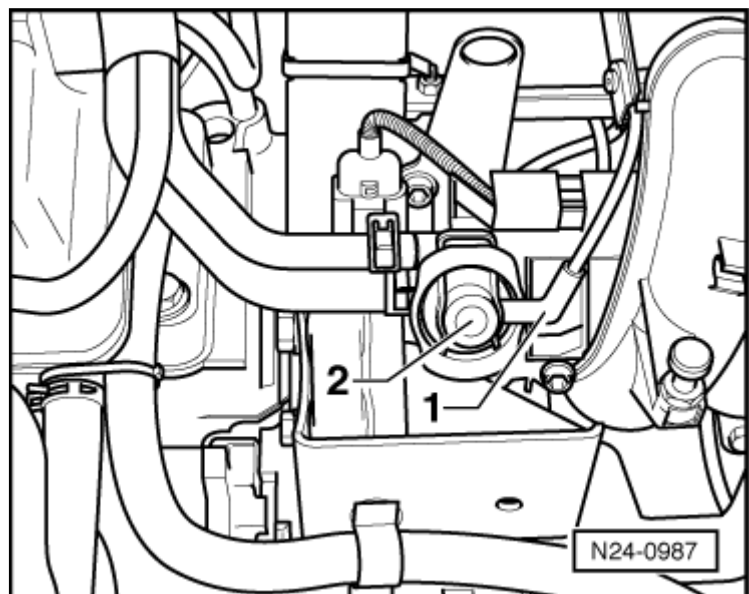
If the specification is not obtained:

- Check quantity supplied by fuel pump.

=> Rep. Gr. 20; Removing and installing parts of fuel system; checking fuel pump

If the specification is obtained:

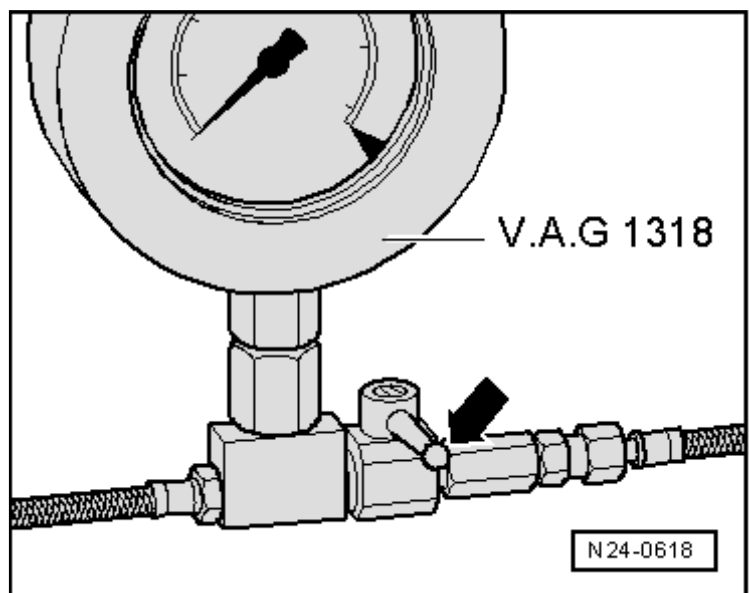
- Switch off ignition.



- Check for leaks and holding pressure by observing pressure drop on gauge. After 10 minutes there must be a residual pressure of at least 2.0 bar.

If the holding pressure drops below 2 bar:

- Start the engine and run at idling speed.
- → Switch ignition off after the pressure has built-up. At the same time close pressure measured device cut-off tap (handle cross through-flow direction -arrow-).
- Observe pressure drop on gauge.



If the pressure does not drop:

- Check fuel pump non-return valve.

=> Rep. Gr. 20; Removing and installing parts of fuel system; checking fuel pump

If the pressure drops again:

- Check pressure gauge for leaks.
- Check pipe connections, O rings on fuel manifold and injectors for leaks.

If no leaks can be found:

- Renew fuel pressure regulator
- Erase learnt values and adapt engine control unit=> Page [24-128](#)

Note:

Before removing pressure gauge place a cloth around the connections to be loosened and remove fuse 28 (fuel pump) from fuse holder.