

Checking delivery rate

Test prerequisites

- Voltage supply OK.
- Remote control for V.A.G 1348 -V.A.G 1348/3A- is connected.

Test procedure

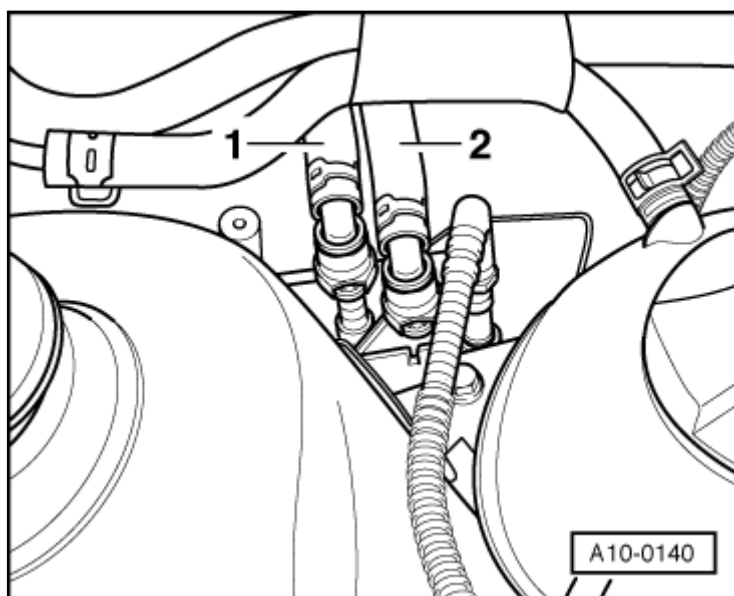
- Remove filler cap from fuel tank filler neck.



WARNING

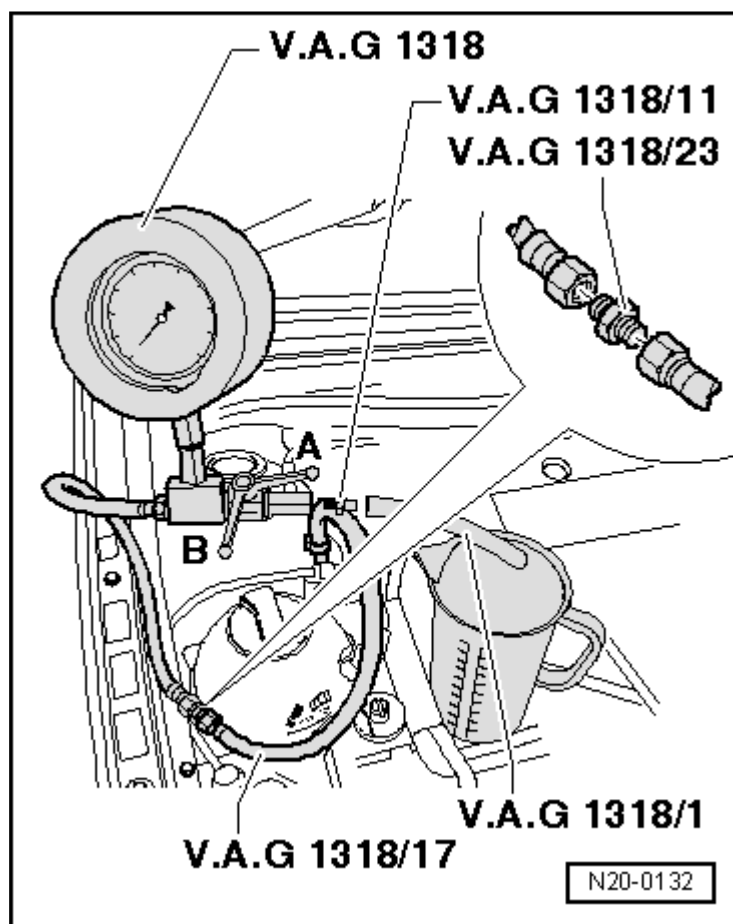
Fuel system is under pressure! Before opening the system place a cloth around the connection. Then release pressure by carefully loosening the connection.

- Pull off supply line -1- and catch escaping fuel with a cloth.



- Connect K-Jetronic pressure tester -V.A.G 1318- with double union -V.A.G 1318/23- to fuel supply line.
- Fit adapter -V.A.G 1318/1- onto adapter -V.A.G 1318/11- of K-Jetronic pressure tester -V.A.G 1318- and hold it in a measuring container.
- Open shut-off tap of K-Jetronic pressure tester -V.A.G 1318-. The lever then points in direction of flow -A-.
- Operate remote control for V.A.G 1348 -V.A.G 1348/3A-. Then slowly close shut-off tap until a pressure of 3 bar is displayed on pressure gauge. From this point on do not move position of shut-off tap.
- Empty measuring container.
- The quantity delivered by the fuel pump depends on the battery voltage. Therefore connect multimeter to vehicle battery using adapter cables from auxiliary measuring set -V.A.G 1594A- or auxiliary measuring set -V.A.G 1594C-.

- Operate remote control -V.A.G 1348/3A- for 30 seconds while measuring battery voltage.



- Compare quantity of fuel delivered with specification.

*) Minimum delivery rate $\text{cm}^3/30 \text{ seconds}$

**) Voltage at fuel pump with engine not running and pump running (approx. 2 volts less than battery voltage).

Example:

During the test a voltage of 12.5 volts is measured at the battery. As the voltage at the pump is approx. 2 volts less than the battery voltage, this will equate to a minimum delivery of $200 \text{ cm}^3/30 \text{ seconds}$.

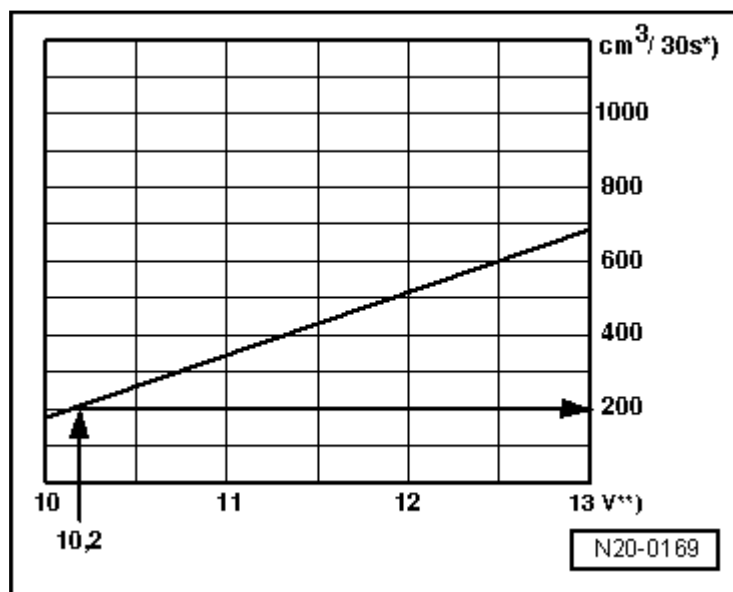
If the minimum delivery rate is not attained:

- Check fuel lines for possible restrictions (kinks) or blockages.
- Pull the supply hose off fuel filter inlet.
- Connect K-Jetronic pressure tester -V.A.G 1318- with adapter set -V.A.G 1318/17- to hose.
- Repeat delivery rate check.

If the minimum delivery rate is now attained:

- Replace fuel filter.

If the minimum delivery rate is again not



attained:

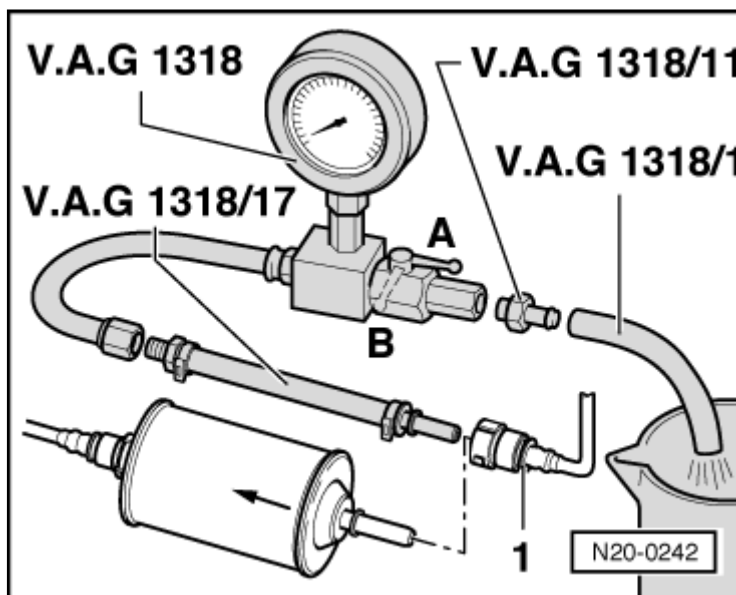
- Remove fuel delivery unit and check for dirt in filter strainer.

Only if still no fault has been detected:

- Fuel pump is defective. Renew fuel delivery unit → **Chapter**.

If delivery quantity has been attained, but nevertheless you suspect a fuel supply system fault (e.g. intermittent failure of fuel supply system):

- Check current draw of fuel pump as follows:
- Reconnect all disconnected fuel lines.



- Connect multimeter -V.A.G 1715- using pick-up clamp to the green/yellow wire in wiring harness.
- Start engine and run at idling speed.
- Measure current draw of fuel pump. Specification: max. 8 amps.



Note

If the fuel system malfunction is intermittent, you can perform the check during a road test, but a 2nd person is necessary.

If current consumption is exceeded:

- Fuel pump is defective. Renew fuel delivery unit → **Chapter**.

