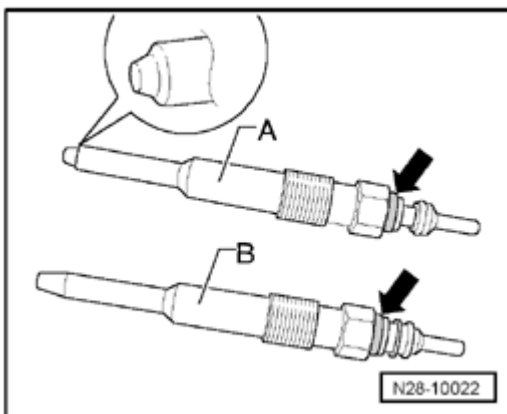


Glow plug system, checking

Warning!

The ceramic glow plugs ⇒ [28-1, Visual characteristics of the ceramic glow plugs](#) are very sensitive to impacts and bending. For this reason, any glow plugs that have been dropped (even from a short distance of approx. 2 cm) must not be used under any circumstances, even if there appears to be no external damage. The installation instructions must be followed exactly, otherwise there is a dangerous risk that the plug may break and thereby cause engine damage.

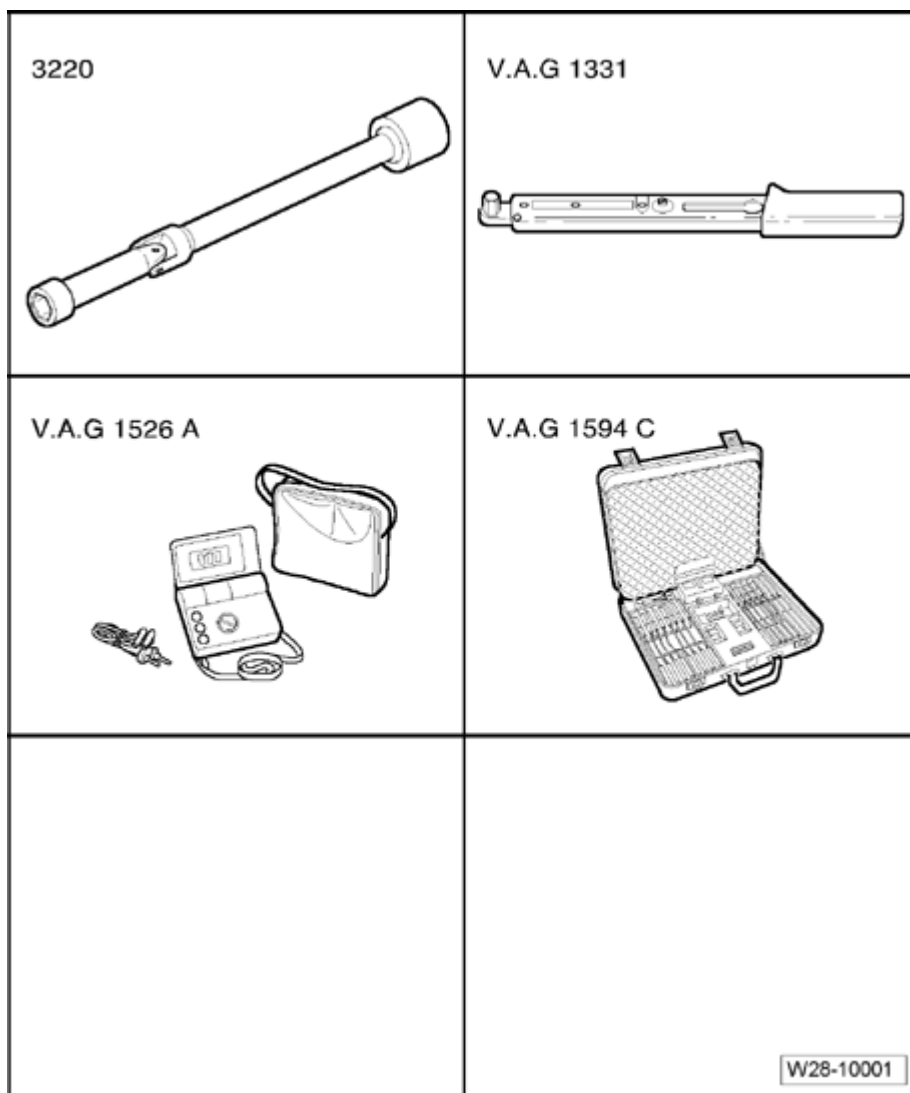


Visual characteristics of the ceramic glow plugs

- **A** - = Ceramic glow plug, phased step at the tip (see magnification), white color coding - **arrow** - .
- **B** - = Metal glow plug, green color coding - **arrow** - .

Removing, installing and checking the ceramic glow plugs ⇒ [28-1, Ceramic glow plugs, removing, installing and checking](#) .

Ceramic glow plugs, removing, installing and checking



Special tools, testers and auxiliary items required

- Hinged socket 3220
- Torque wrench (5 to 50 Nm) V.A.G 1331
- Portable multimeter V.A.G 1526 A
- Test adapter kit V.A.G 1594 C

Conditions

- Engine is cold
- Ignition is switched off

Work sequence

Note:

- *When removing and installing, do not deform ceramic glow plugs. Damaged components must be removed.*

- Disconnect connectors from ceramic glow plugs.
- Remove ceramic glow plugs using hinged socket 3220 .

Installation is performed in the reverse sequence, when doing this note the following:

- Before installing, cylinder head bore for glow plug and threads must be cleaned completely of sediments.

Note:

- *The threads of the cylinder head bore and the ceramic glow plugs are not to be oiled or greased.*

- Thread ceramic glow plug into cylinder head by hand using hinged socket 3220 .
- Tighten ceramic glow plugs. Tightening torque: 15 Nm

Warning!

After installing and before the starting the engine, test the resistance of all ceramic glow plugs with the engine still cold.

- Specification: max. 1 Ω

- If specified value is exceeded, replace faulty ceramic glow plug.

Note:

- *If the faulty ceramic glow plug is broken, remove the broken pieces from the engine, otherwise engine damage will occur.*