

**Werkstatthandbuch
Workshop Manual
Manual d`atelier
Manual de taller**

Kompetenzklasse 2
competence level 2
catégories de compétence 2
clases de competencia 2

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2 General

4 Technical data

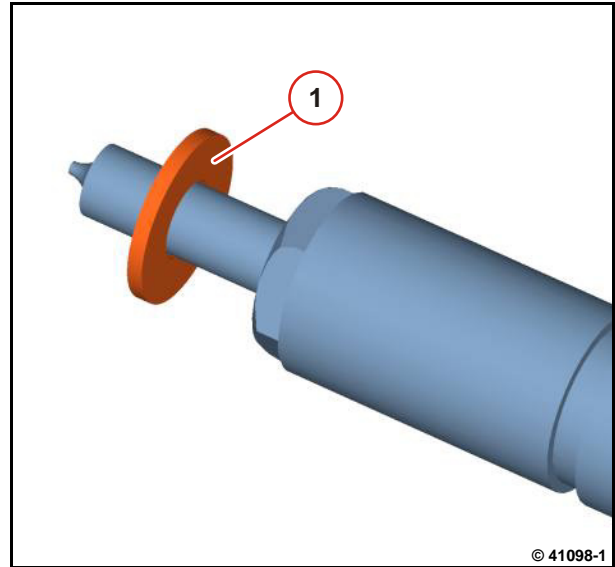
4.1 Testing and setting data

Job card	Activity	Maintenance group
W 01-02-02	Removing and installing the rocker arm	Cylinder head
W 01-04-04	Removing and installing the cylinder head	Cylinder head
W 01-04-09	Measuring the piston projection	Cylinder head
W 06-01-05	Removing and installing the exhaust manifold	Exhaust system / Charging
W 06-07-03	Removing and installing the air intake manifold	Exhaust system / Charging
W 07-07-01	Removing and installing the fuel injectors	Fuel system
W 07-10-08	Removing and installing the fuel filter console	Fuel system
W 07-11-01	Removing and installing the fuel supply pump	Fuel system
W 09-07-08	Removing and installing the coolant pump	Cooling system
W 09-08-01	Checking the coolant thermostat when uninstalled	Cooling system
W 09-08-02	Removing and installing the coolant thermostat	Cooling system
W 12-02-02	Removing and installing the V-belt, V-belt pulley	Other components
W 12-06-01	Removing and installing the flywheel	Other components
W 13-02-03	Removing and installing the generator	Electrical system
W 13-03-02	Removing and installing the starter	Electrical system
W 13-06-01	Removing and installing the heating plugs	Electrical system



Installing the fuel injector

- Mount new sealing ring (1) on fuel injector.



© 41098-1

- Insert fuel injector (3) in cylinder head.



The fuel leakage connection faces the exhaust manifold.

- Mount clamping shoe (2).

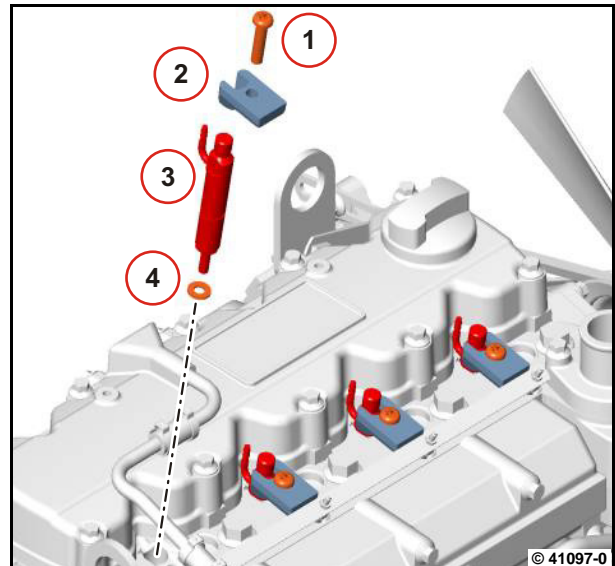


Note installation position of the clamping shoe.

- Tighten screw (1).



27 Nm



© 41097-0

- Mount high pressure pipes (1).

- Screw on union nuts.



Attention!

Install injection pipes without tension.

- Tighten union nuts.



28 Nm

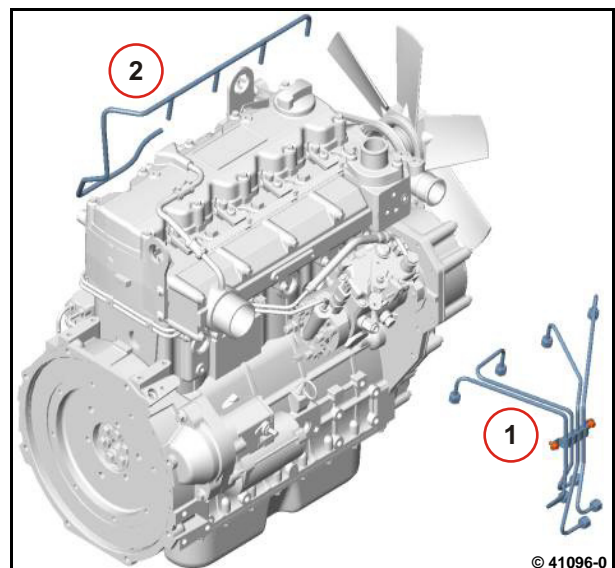
- Push the pipes (2) onto the fuel injectors.

- Position pipe clip.

- Tighten screw.



9 Nm



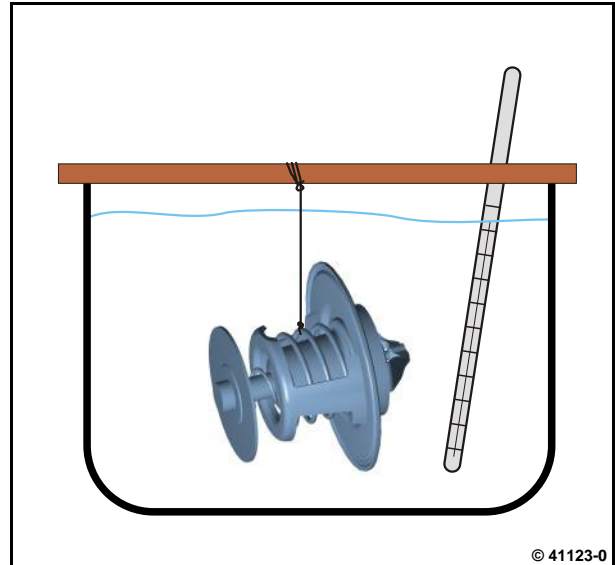
© 41096-0

- Heat up the coolant thermostat in the water bath.



In order to determine the exact beginning of opening, the temperature should be measured as close as possible to the thermostat without touching it.

The water should be continuously stirred for an even temperature distribution. The temperature rise should not take place faster than 1°C/min. Otherwise the beginning of opening will be delayed accordingly.

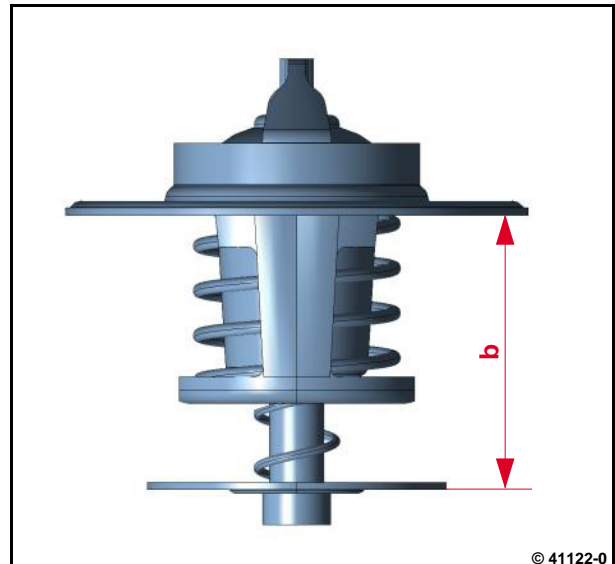


- Measure dimension "b" on the coolant thermostat.



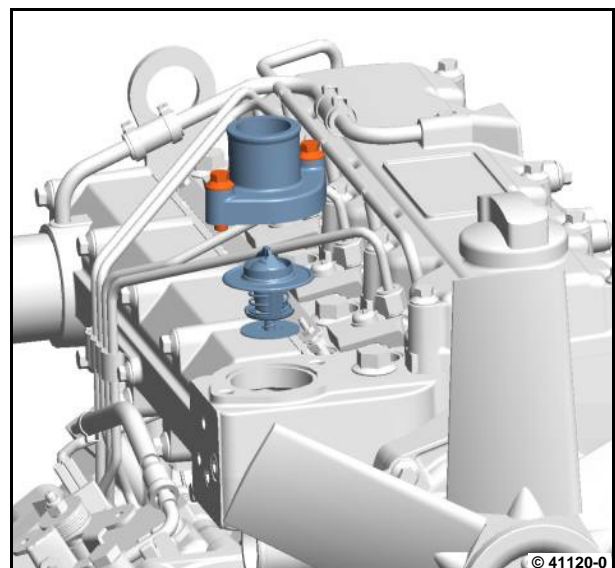
„b“ = end of stroke at 99 °C - 102 °C

Stroke distance at given temperature at least 8 mm.

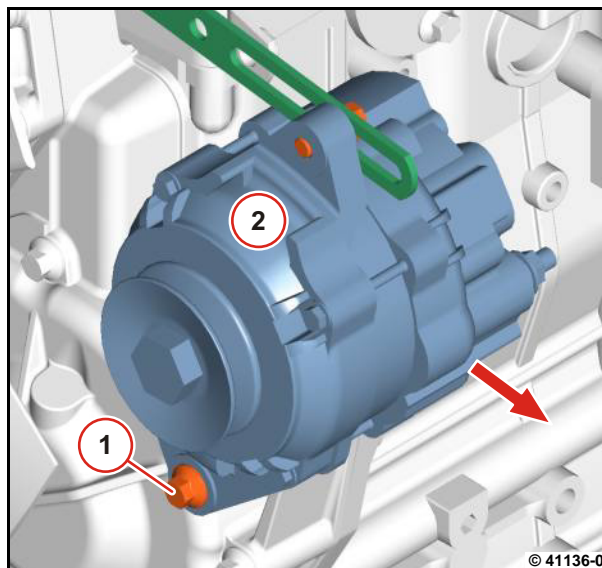


- Install the coolant thermostat.

 [W 09-08-02](#)



- Unscrew screw (1).
- Remove generator (2).
- Visually inspect the components.



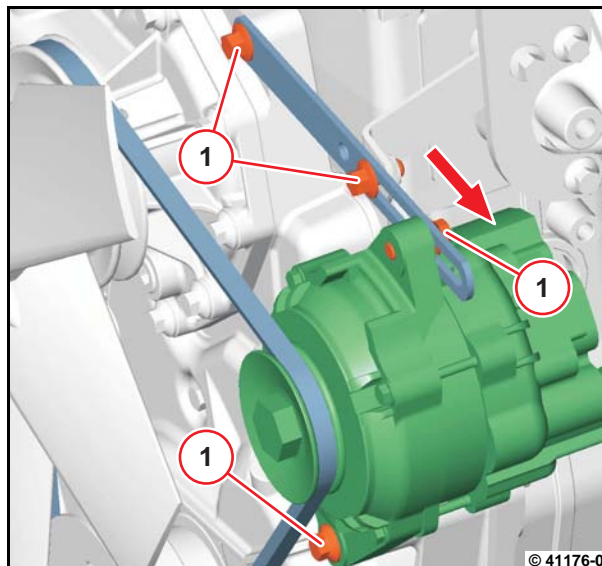
6

Installing the generator

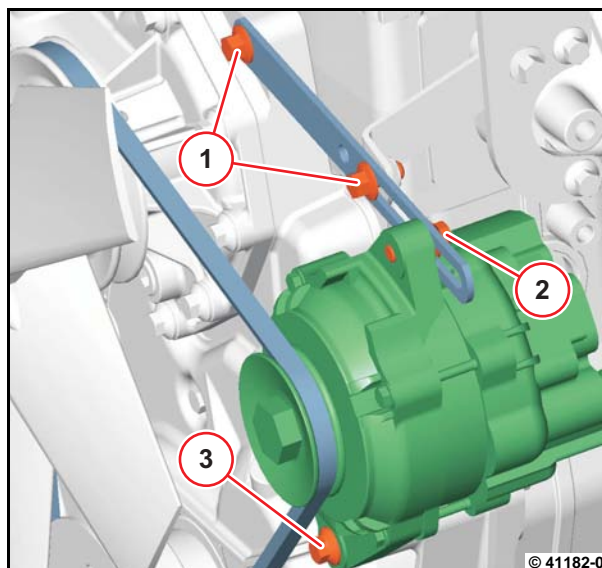
- Mount generator.
- Mount V-belt.
- Tighten screws (1).
- Press generator in direction of arrow.



V-belt is clamped.



- Tighten screws (1).
 21 Nm
- Tighten screw (2).
 21 Nm
- Tighten screw (3).
 22 Nm
- Check V-belt tension.



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