



How to change engine  
thermostat on **Mercedes**  
**W201** – replacement  
guide

## VIDEO TUTORIAL



### Important!

This replacement procedure can be used for:

MERCEDES-BENZ 190 (W201) E 1.8 (201.018), MERCEDES-BENZ 190 (W201) 2.0 (201.022), MERCEDES-BENZ 190 (W201) E 2.0 (201.024), MERCEDES-BENZ 190 (W201) 2.0 (201.023), MERCEDES-BENZ 190 (W201) E 2.0, MERCEDES-BENZ 190 (W201) E 2.3 (201.028), MERCEDES-BENZ Saloon (W124) 200 E 2.0 (124.021), MERCEDES-BENZ Saloon (W124) 230 E 2.3 (124.023), MERCEDES-BENZ W124 Estate (S124) 200 TE 2.0 (124.081), MERCEDES-BENZ W124 Estate (S124) 230 TE 2.3 KAT (124.083), MERCEDES-BENZ W124 Coupe (C124) 230 CE 2.3 (124.043), MERCEDES-BENZ W124 Coupe (C124) 230 CE 2.3 KAT (124.043), MERCEDES-BENZ Saloon (W124) 230 E 2.3 KAT (124.023), MERCEDES-BENZ W124 Estate (S124) 230 TE 2.3 (124.083)

The steps may slightly vary depending on the car design.

**REPLACEMENT: ENGINE THERMOSTAT – MERCEDES W201. TOOLS YOU MIGHT NEED:**



- Wire brush
- All-purpose cleaning spray
- Torque wrench
- Combination spanner #10
- Drive socket # 7
- Drive socket # 8
- Drive socket # 10
- Ratchet wrench
- Long nose pliers
- Funnel
- Fluid container
- Fender cover

**BUY TOOLS**

Replacement: engine thermostat – Mercedes W201. AUTODOC recommends:

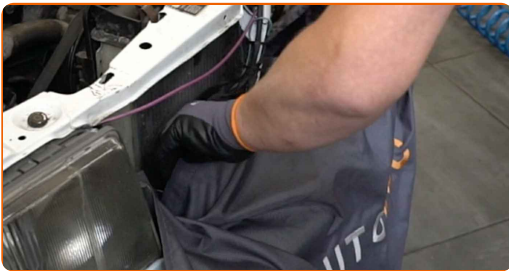
- Check the condition of the coolant every time you replace the thermostat. Change the coolant if necessary.
- Please note: all work on the car – Mercedes W201 – should be done with the engine switched off.

**CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:**

**1** Open the bonnet.



**2** Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.



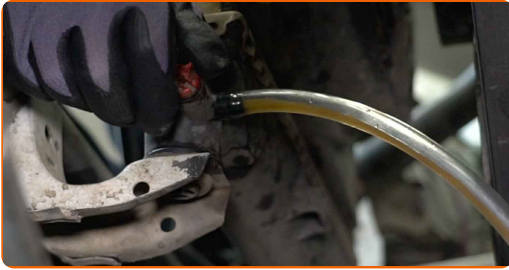
**3** Unscrew the coolant reservoir cap.

**4** Lift the car using a jack or place it over an inspection pit.

**5** Prepare a container for fluids.

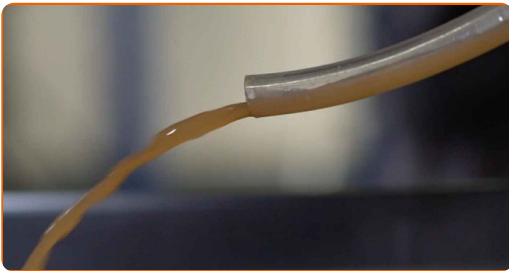
6

Open the coolant drain tap.



7

Drain the coolant from the engine.



Replacement: engine thermostat – Mercedes W201. AUTODOC experts recommend:

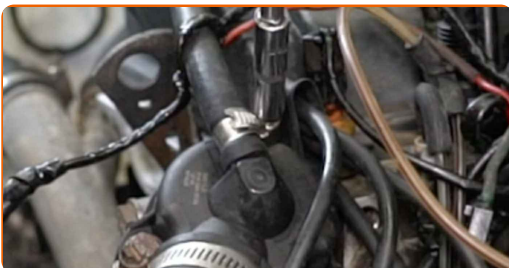
- All work should be done with the engine stopped.
- Wait until the coolant has completely flowed out of the drain hole.

8

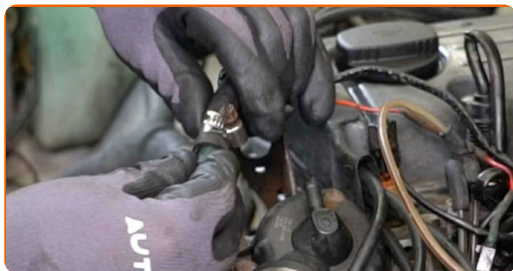
Close the coolant drain tap.

9

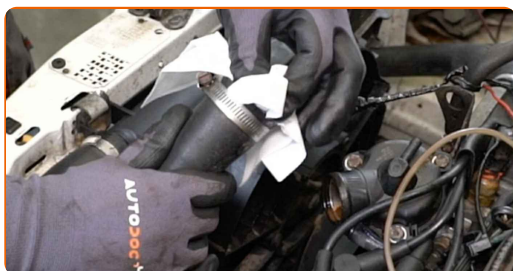
Loosen the clamp of the expansion tank hose. Use a drive socket #7. Use a ratchet wrench.



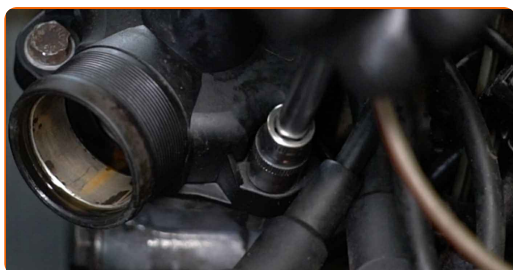
**10** Detach the expansion tank hose from the thermostat housing.



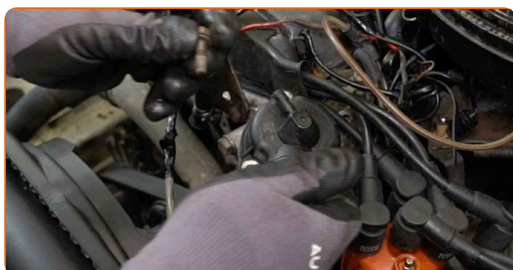
**11** Detach the coolant hose.



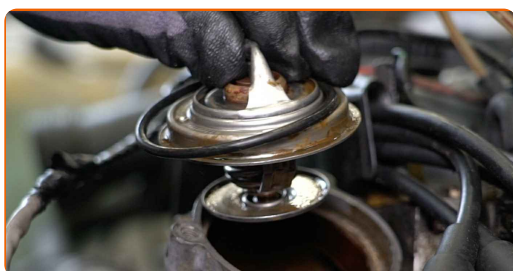
**12** Unscrew the thermostat housing fasteners. Use a drive socket #10. Use a ratchet wrench.



**13** Remove the fastening bolts.



**14** Remove the thermostat together with the housing.



Replacement: engine thermostat – Mercedes W201. Professionals recommend:

- Caution! Coolant may leak out of the coolant lines and thermostat housing.

15

Clean the thermostat housing mounting seat. Use all-purpose cleaning spray.

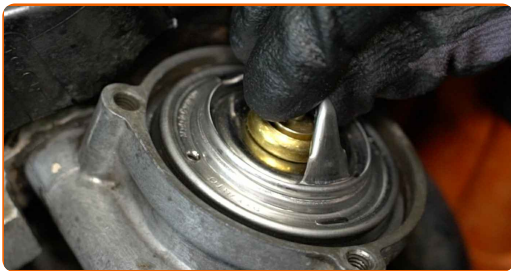


16

Clean the thermostat mounting seat. Use a wire brush. Use all-purpose cleaning spray.

17

Install a new thermostat.



18

Install the thermostat housing.

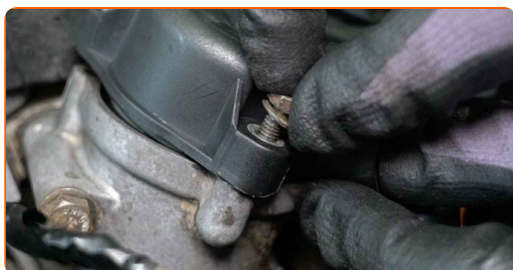


Replacement: engine thermostat – Mercedes W201. Tip from AUTODOC experts:

- Be sure to use a new O-ring when installing the sensor.

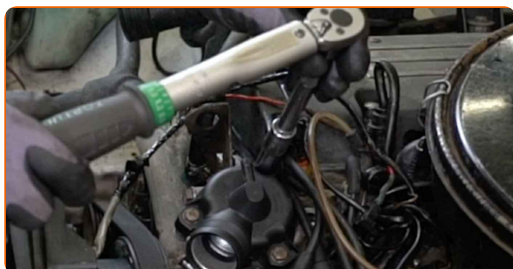
19

Install the fastening bolts.



20

Tighten the thermostat housing fasteners. Use a drive socket #10. Use a torque wrench. Tighten it to 12 Nm torque.



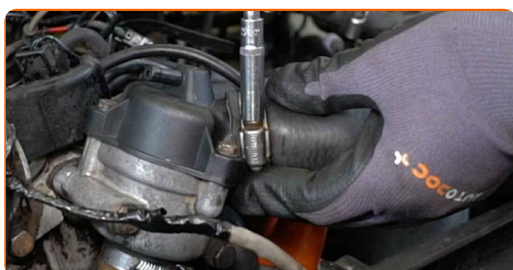
21

Attach the coolant hose.



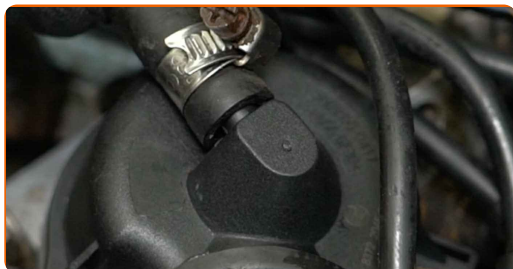
22

Secure the coolant hose clamp. Use a drive socket #8. Use a ratchet wrench.

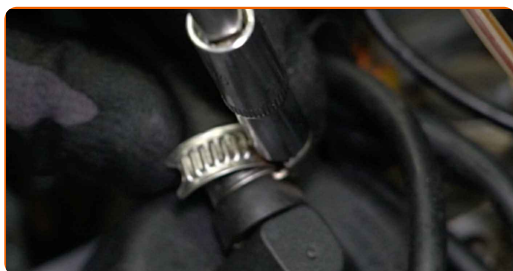




**23** Connect the expansion tank hose to the thermostat housing.



**24** Tighten the clamp of the expansion tank hose. Use a drive socket #7. Use a ratchet wrench.



**25** Remove the coolant reservoir cap.

**26** Insert the funnel.



**27** Pour coolant in the coolant reservoir.



Replacement: engine thermostat – Mercedes W201. Tip:

- Only use the coolant recommended by the manufacturer.
- The coolant level should be at the MAX mark.
- Wait until the air goes out of the system.

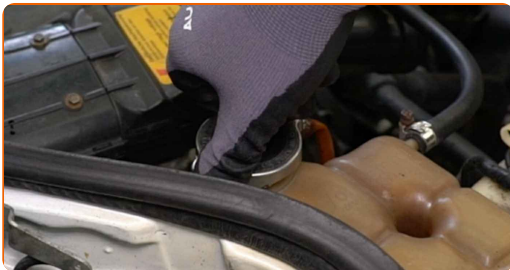
28

Install the coolant reservoir cap.



29

Screw on the coolant reservoir cap.



30

Run the engine for a few minutes.



AUTODOC recommends:

- This should be done in order to remove residual air from the cooling system and to check if the components are operating correctly.

**31** Shut off the engine.

**32** Remove the fender protection cover.



**33** Close the hood.



**WELL DONE!** 

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