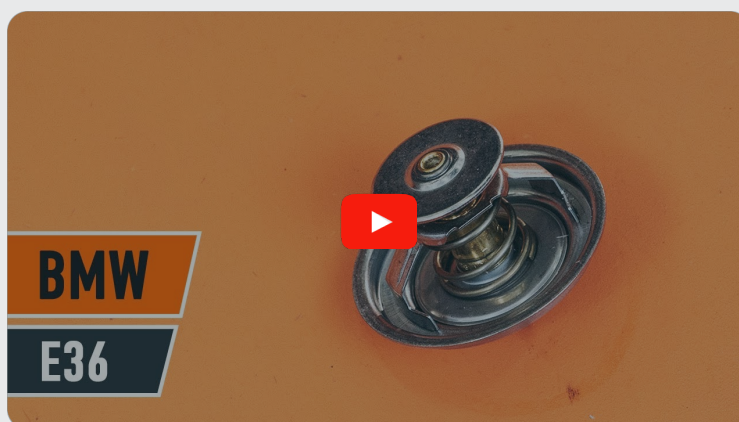


## SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

### **Important!**

This replacement procedure can be used for:

BMW Z3 Roadster (E36) 2.8 i

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: BMW 3 Saloon (E36) 323i 2.5

## REPLACEMENT: ENGINE THERMOSTAT – BMW Z3 ROADSTER (E36). AUTODOC RECOMMENDS:



- All-purpose cleaning spray
- Sealant
- Torque wrench
- Drive socket # 7
- Drive socket # 10
- Drive socket # 13
- Ratchet wrench
- Clip removal tool
- Seal scraper
- Flat screwdriver
- Funnel
- Fluid container
- Fender cover

**Buy tools**

### Replacement: engine thermostat – BMW Z3 Roadster (E36). Tip from AUTODOC:

- Check the condition of the coolant every time you replace the thermostat. Change the coolant if necessary.
- Please note: all work on the car – BMW Z3 Roadster (E36) – should be done with the engine switched off.

## CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1

Open the hood.

2

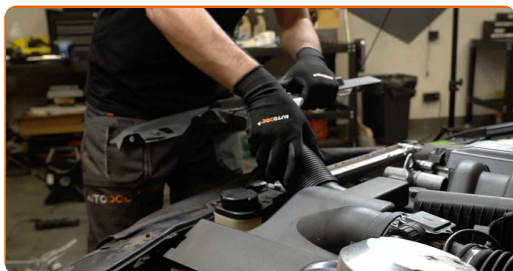
Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.

3

Remove the fasteners of the air duct housing. Use a clip removal tool.

4

Remove the air distribution housing assembly.



5

Unscrew the coolant reservoir cap.



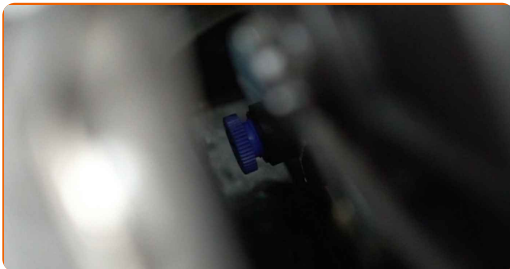
6

Prepare a container for fluids.



7

Open the coolant drain tap.



8

Drain the coolant from the engine.



Replacement: engine thermostat – BMW Z3 Roadster (E36). AUTODOC experts recommend:

- Caution! The coolant can be very hot.
- Wear gloves to prevent contact with hot liquid.
- All work should be done with the engine stopped.
- Wait until the coolant has completely flowed out of the drain hole.

**9** Close the coolant drain tap.



**10** Loosen the clamps of the coolant hoses. Use a drive socket #7. Use a ratchet wrench.



**11** Detach the coolant hose.



**12** Loosen the coolant hose clamp. Use a drive socket #7. Use a ratchet wrench.



**13** Detach the coolant hose.



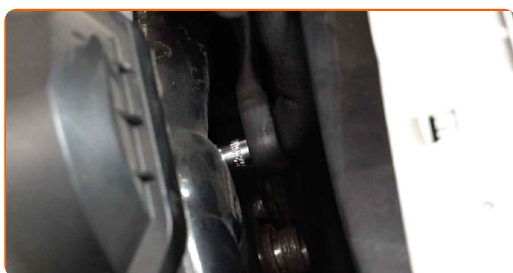
14

Detach the coolant pipe bracket. Use a drive socket #13. Use a ratchet wrench.



15

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



16

Clean the thermostat housing fasteners. Use all-purpose cleaning spray.



17

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



18

Remove the thermostat housing.



#### AUTODOC recommends:

- Replacement: engine thermostat – BMW Z3 Roadster (E36). To avoid damaging the part when removing it, do not use excessive force.
- Caution! Coolant may leak out of the coolant lines and thermostat housing.

19

Remove the thermostat.



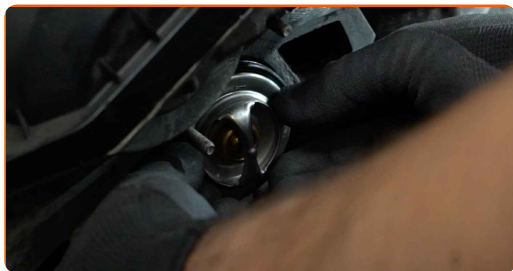
20

Clean the thermostat housing mounting seat. Use a flat screwdriver. Use a seal scraper. Use all-purpose cleaning spray.

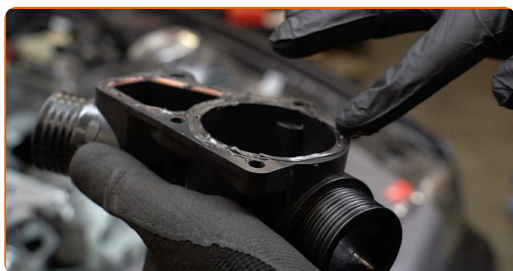




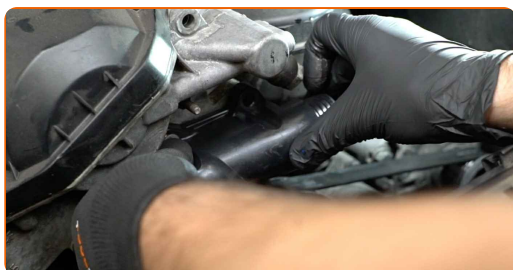
**21** Install a new thermostat.



**22** Treat the thermostat housing mounting seat. Use a sealant.



**23** Install the new thermostat housing.

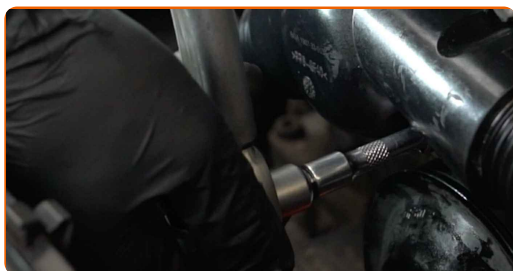


#### AUTODOC recommends:

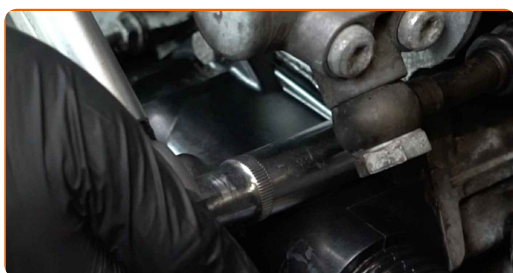
- Replacement: engine thermostat – BMW Z3 Roadster (E36). Do not use excessive force during installation. This may damage the part.



- 24** Tighten the thermostat housing fasteners. Use a drive socket #10. Use a torque wrench. Tighten it to 7 nm torque.

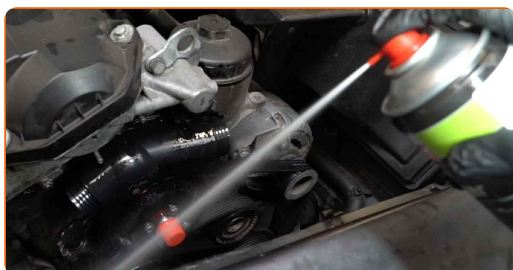


- 25** Attach the coolant pipe bracket. Use a drive socket #13. Use a torque wrench. Tighten it to 11 nm torque.

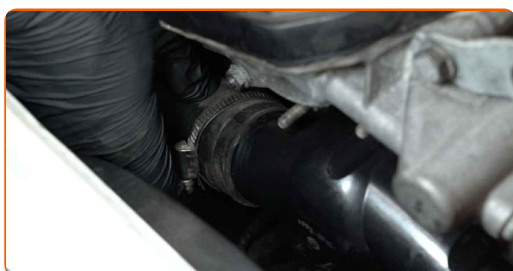


- 26** Tighten the thermostat housing fasteners. Use a drive socket #10. Use a torque wrench. Tighten it to 7 nm torque.

- 27** Clean the thermostat housing fasteners. Use all-purpose cleaning spray.

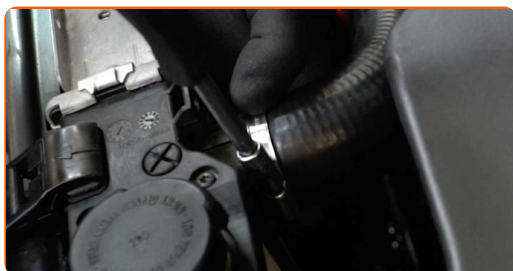


- 28** Connect the coolant hoses to the thermostat housing.



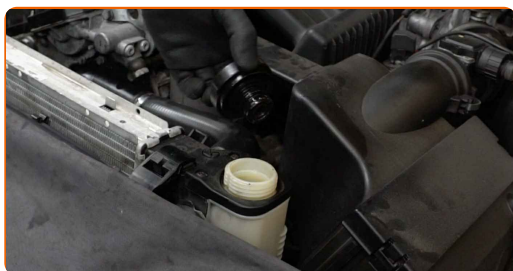
29

Fasten the clamps of the coolant hoses. Use a drive socket #7. Use a ratchet wrench.



30

Remove the coolant reservoir cap.



31

Insert the funnel.



32

Pour coolant in the coolant reservoir.

