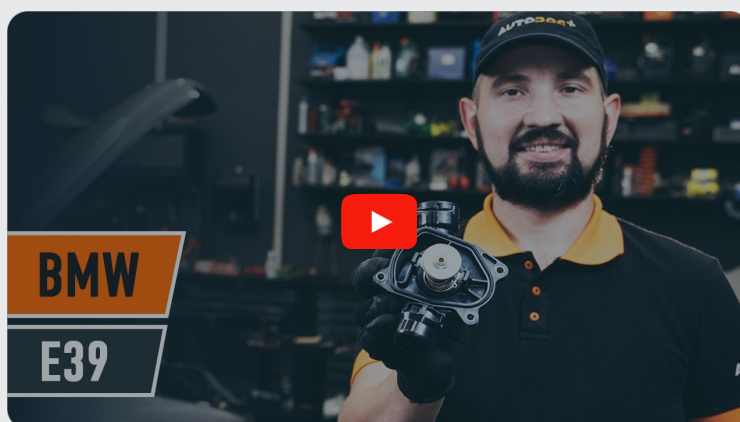


SIMILAR VIDEO TUTORIAL



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

Important!

This replacement procedure can be used for:

BMW 7 (E38) 730d 2.9

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 5 Touring (E39) 530d 3.0

REPLACEMENT: ENGINE THERMOSTAT – BMW 7 (E38). LIST OF THE TOOLS YOU'LL NEED:



- All-purpose cleaning spray
- Sealant
- Torque wrench
- Combination spanner #16
- Combination spanner #24
- Combination spanner #32
- Drive socket # 7
- Drive socket # 10
- HEX bit No.H5
- Ratchet wrench
- Clip removal tool
- Seal scraper
- Flat screwdriver
- Funnel
- Fluid container
- Crow bar
- Microfibre towel
- Fender cover

Buy tools

Replacement: engine thermostat – BMW 7 (E38). 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 7 (E38) – 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 Unscrew the coolant reservoir cap.

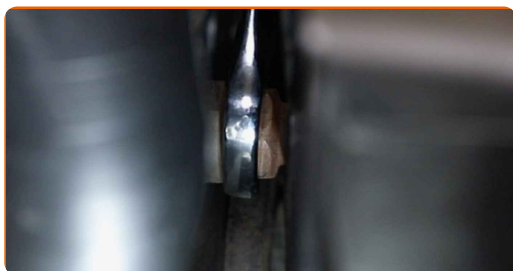


4 Remove the fan shroud clips. Use a clip removal tool.



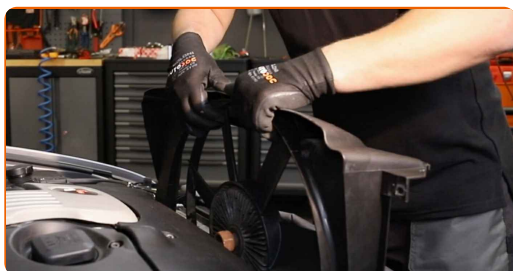
5

Unscrew the cooling fan fastener. Use a combination spanner #32 (2 pieces).



6

Remove the fan shroud. Remove the cooling fan.



7

Unscrew the engine cover fastener. Use HEX No.H5. Use a ratchet wrench.



8

Remove the engine cover.



AUTODOC recommends:

- Replacement: engine thermostat – BMW 7 (E38). Do not use excessive force when removing the part as this may damage it.

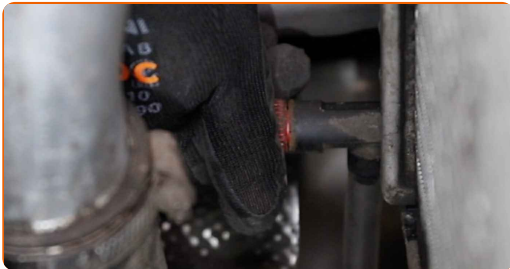
9

Prepare a container for fluids.



10

Open the coolant drain tap.



11

Drain the coolant from the engine.



Replacement: engine thermostat – BMW 7 (E38). Tip from AUTODOC experts:

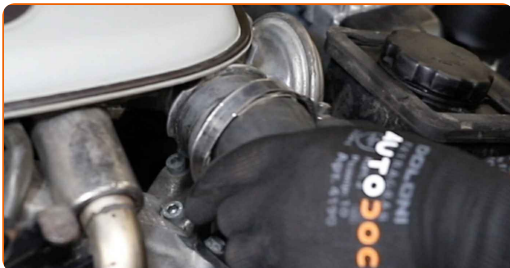
- Caution! The coolant can be very hot.
- Wear gloves to prevent contact with hot liquid.
- All work should be done with the engine stopped.
- Wait until the coolant has completely flowed out of the drain hole.

12 Close the coolant drain tap.

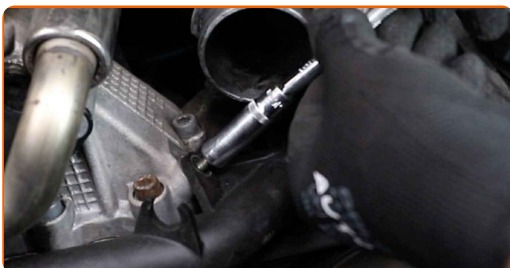
13 Unscrew the intercooler pipe clamp. Use a drive socket #7. Use a ratchet wrench.



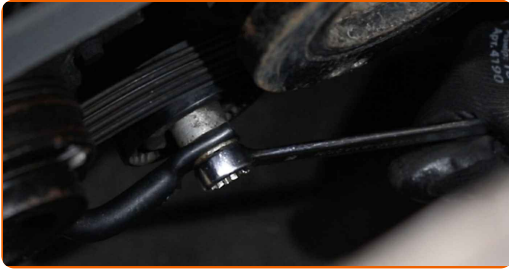
14 Remove the intercooler hose.



15 Unscrew the fastener of the coolant hose clamp. Use a drive socket #10. Use a ratchet wrench.



- 16** Pull aside the V belt tensioner pulley. Use a combination spanner #16.



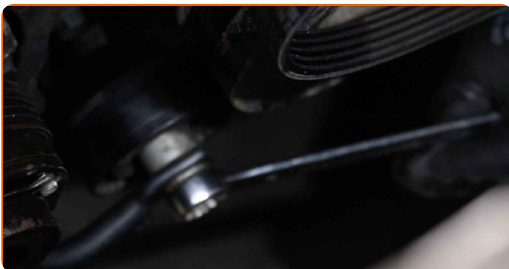
- 17** Remove the V belt.



Replacement: engine thermostat – BMW 7 (E38). Professionals recommend:

- Check the condition of the tensioner pulley and idler pulley. Replace them if necessary.

- 18** Return the tensioner pulley to its initial position.



19

Pull aside the V-ribbed belt tensioner pulley. Use a combination spanner #16.



20

Remove the V-ribbed belt.

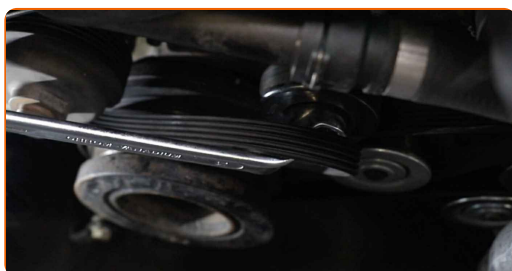


Replacement: engine thermostat – BMW 7 (E38). AUTODOC recommends:

- Check the condition of the tensioner pulley and idler pulley. Replace them if necessary.

21

Return the tensioner pulley to its initial position.



22

Loosen the coolant hose clamp.



23

Detach the coolant hose. Use a crowbar.



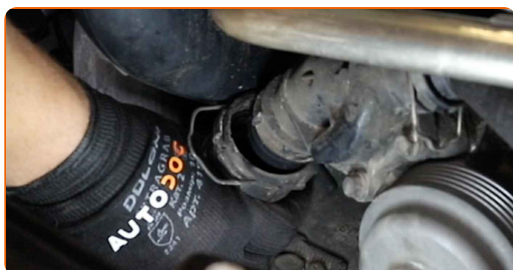
24

Loosen the coolant hose clamp.



25

Detach the coolant hose. Use a crowbar.

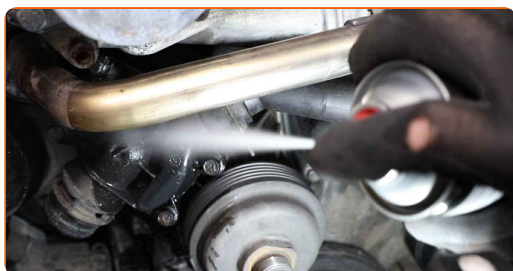


Replacement: engine thermostat – BMW 7 (E38). Tip from AUTODOC:

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

26

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



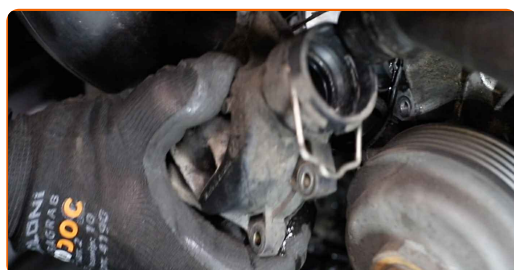
27

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



28

Remove the thermostat housing. Use a crowbar.



AUTODOC recommends:

- Replacement: engine thermostat – BMW 7 (E38). Do not use excessive force when removing the part as this may damage it.
- Caution! Coolant may leak out of the coolant lines and thermostat housing.

29

Cover the thermostat housing with a microfibre cloth to prevent dirt and foreign objects entering the system.

