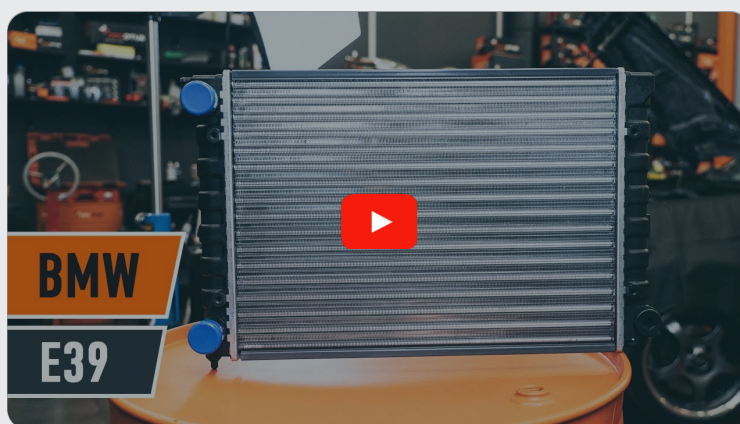


## VIDEO TUTORIAL



### Important!

This replacement procedure can be used for:

BMW 7 (E38) 730d 2.9, BMW 5 Saloon (E39) 530d 3.0, BMW 5 Touring (E39) 530d 3.0, BMW 7 (E38) 740d 3.9, BMW 5 Saloon (E39) 520d 2.0, BMW 5 Touring (E39) 520d 2.0, BMW 5 Saloon (E39) 525d 2.5, BMW 5 Touring (E39) 525d 2.5

The steps may slightly vary depending on the car design.

## REPLACEMENT: ENGINE RADIATOR – BMW E39 TOURING. TOOLS YOU MIGHT NEED:



- All-purpose cleaning spray
- Torque wrench
- Combination spanner #32
- Drive socket # 8
- HEX bit No.H5
- Ratchet wrench
- Flat screwdriver
- Clip removal tool
- Funnel
- Fluid container
- Crow bar
- Fender cover

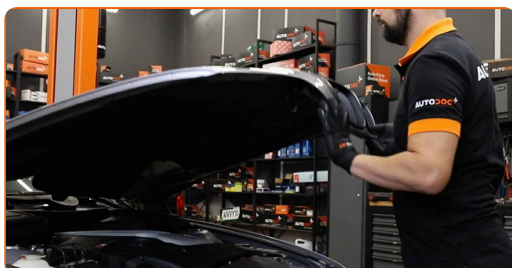
**BUY TOOLS**

## Replacement: engine radiator – BMW E39 touring. AUTODOC experts recommend:

- Follow the terms, recommendations and requirements of the part operation provided by the manufacturer.
- Check the coolant condition and replace it if necessary.
- Please note: all work on the car – BMW E39 touring – 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.



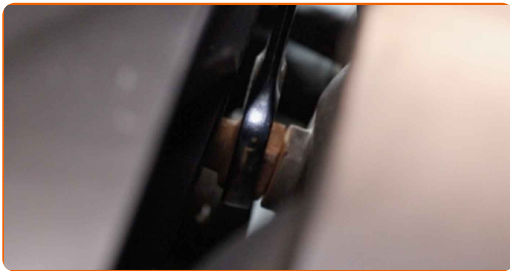
**3** Unscrew the coolant reservoir cap.



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



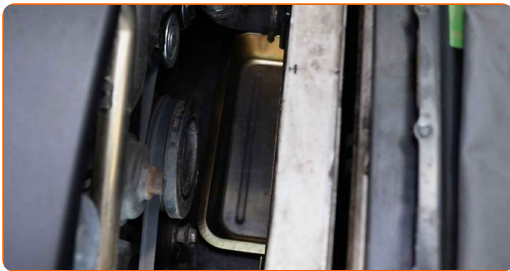
- 5 Unscrew the cooling fan fastener. Use a combination spanner #32 (2 pieces).



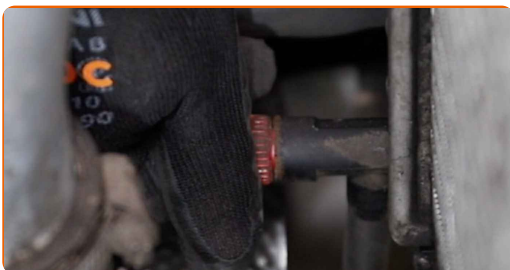
- 6 Remove the fan shroud. Remove the cooling fan.



- 7 Prepare a container for fluids.

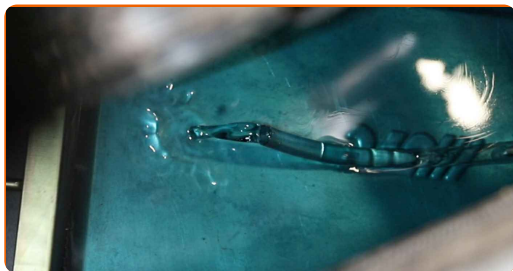


- 8 Open the coolant drain tap.



9

Drain the coolant from the engine.



### Replacement: engine radiator – BMW E39 touring. Tip:

- 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.

10

Close the coolant drain tap.

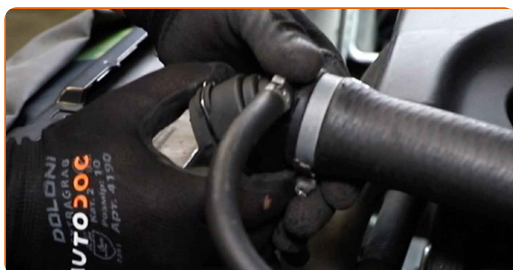
11

Detach the clamp of the upper coolant hose. Use a crowbar.



12

Detach the upper coolant hose.



Replacement: engine radiator – BMW E39 touring. Tip from AUTODOC experts:

- Caution! Coolant may leak from radiator openings.

13

Detach the clamp of the lower coolant pipe. Use a crowbar.



14

Detach the lower coolant pipe.

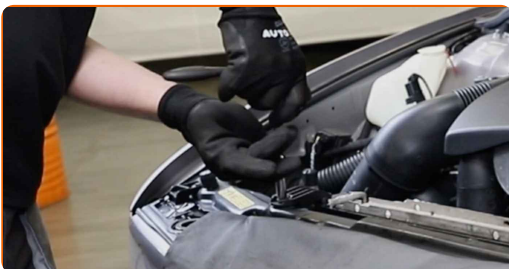


Replacement: engine radiator – BMW E39 touring. AUTODOC recommends:

- Caution! Coolant may leak from radiator openings.

15

Unscrew the radiator fasteners. Use a drive socket #8. Use a ratchet wrench.





- 16 Remove the radiator.



- 17 Install the new radiator.



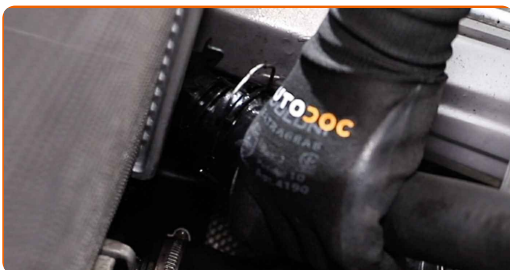
- 18 Screw in the radiator fasteners. Use a drive socket #8. Use a ratchet wrench.



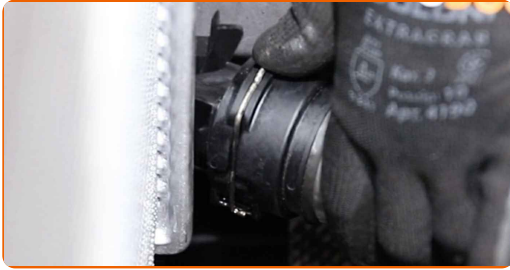
- 19 Clean the coolant hose. Use all-purpose cleaning spray.



- 20 Attach the lower coolant pipe.



- 21 Attach the clamp of the lower coolant pipe.



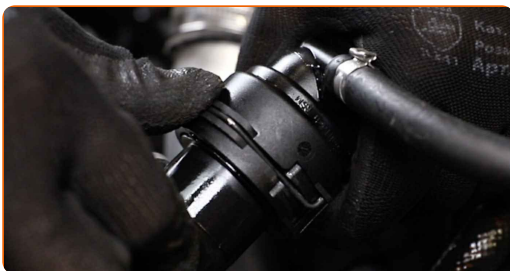
- 22 Clean the coolant hose. Use all-purpose cleaning spray.



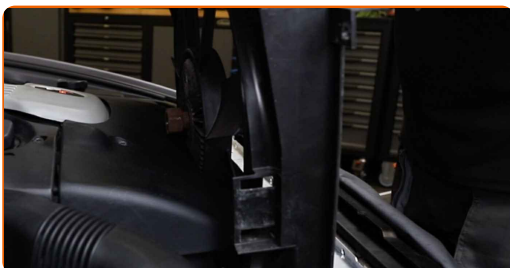
- 23 Attach the upper coolant hose.



- 24 Attach the clamp of the upper coolant hose.

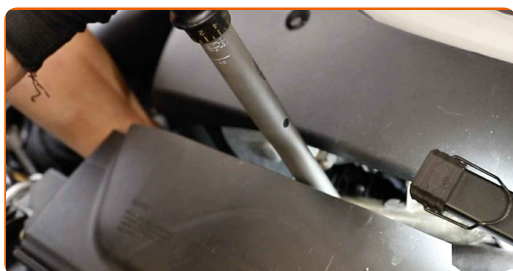


- 25 Install the cooling fan. Install the fan shroud.

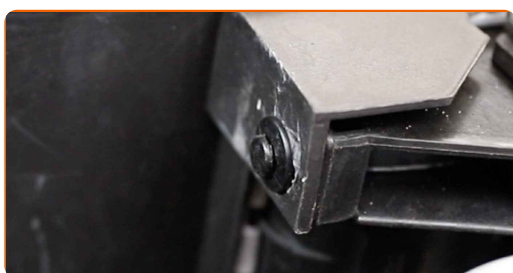




- 26** Tighten the cooling fan fastener. Use a combination spanner #32 (2 pieces). Use a torque wrench. Tighten it to 33 Nm torque.



- 27** Install the fan shroud clips.



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



- 29** Remove the engine cover.

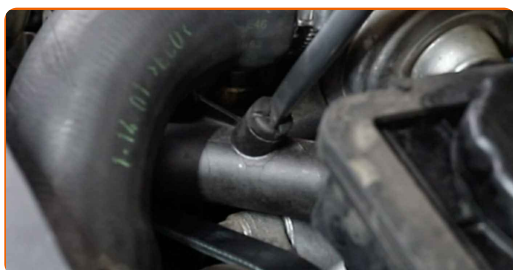


### AUTODOC recommends:

- Replacement: engine radiator – BMW E39 touring. Do not use excessive force when removing the part as this may damage it.

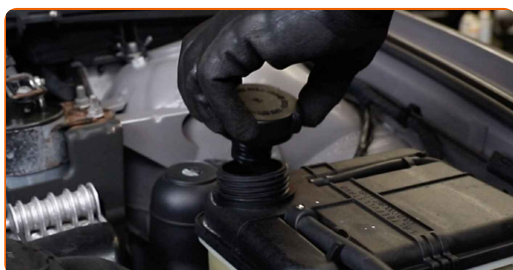
30

Open the coolant system bleed screw. Use a flat screwdriver.



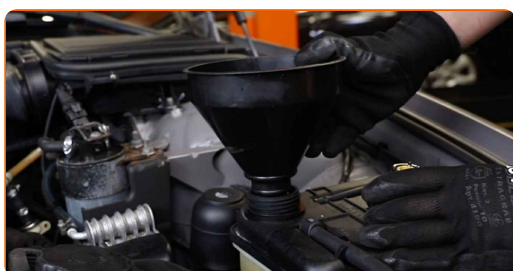
31

Remove the coolant reservoir cap.



32

Insert the funnel.



33

Pour coolant in the coolant reservoir.

