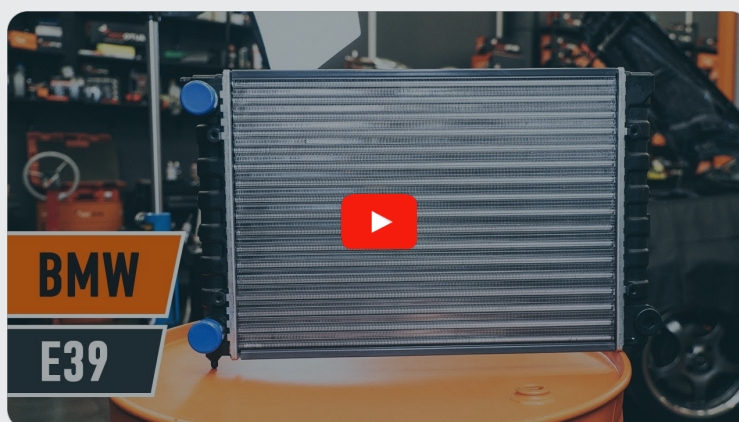


## SIMILAR VIDEO TUTORIAL



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

### **Important!**

This replacement procedure can be used for:

BMW 5 Saloon (E39) 530d 3.0, BMW 5 Saloon (E39) 520d 2.0, BMW 5 Saloon (E39) 525d 2.5

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 RADIATOR – BMW 5 SALOON (E39). 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 5 Saloon (E39). 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 5 Saloon (E39) – 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.

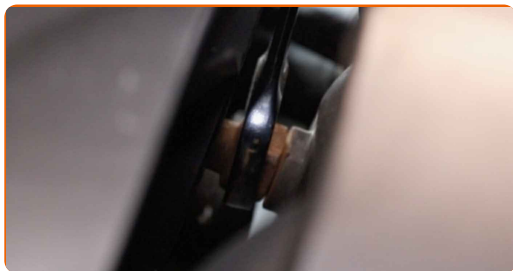
3 Unscrew the coolant reservoir cap.



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



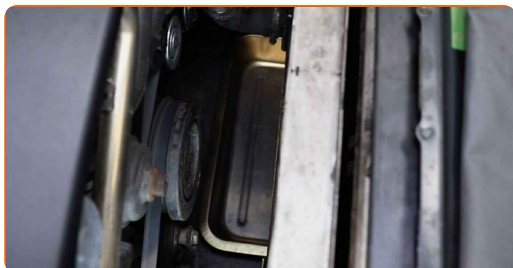
- 5 Unscrew the cooling fan fastener. Use a combination spanner #32 (2 pieces).



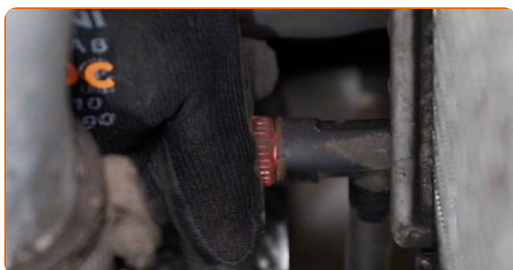
- 6 Remove the fan shroud. Remove the cooling fan.



- 7 Prepare a container for fluids.



- 8 Open the coolant drain tap.



- 9 Drain the coolant from the engine.



### Replacement: engine radiator – BMW 5 Saloon (E39). Tip:

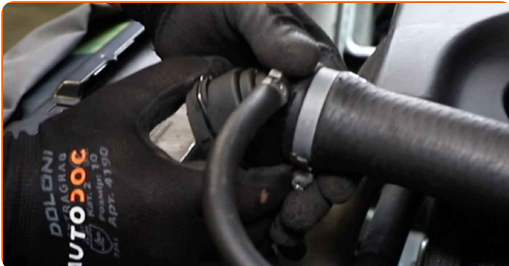
- Caution! The coolant can be very hot.
- Wear gloves to prevent contact with hot liquid.
- All work should be done with the engine stopped.
- Wait until the coolant has completely flowed out of the drain hole.

**10** Close the coolant drain tap.

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



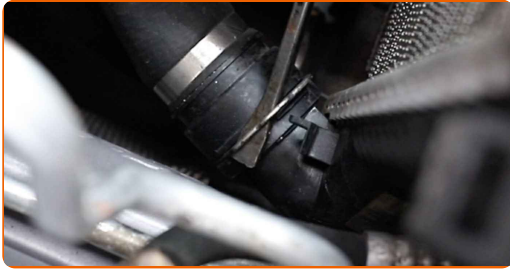
**12** Detach the upper coolant hose.



### Replacement: engine radiator – BMW 5 Saloon (E39). 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 5 Saloon (E39). 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.



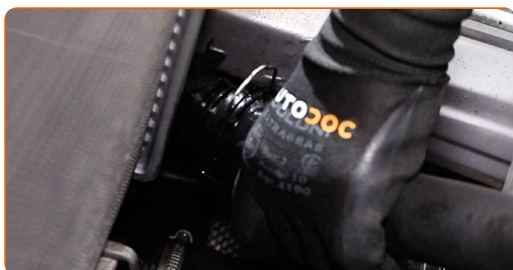
- 18 Screw in the radiator fasteners. Use a drive socket #8. Use a ratchet wrench.



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



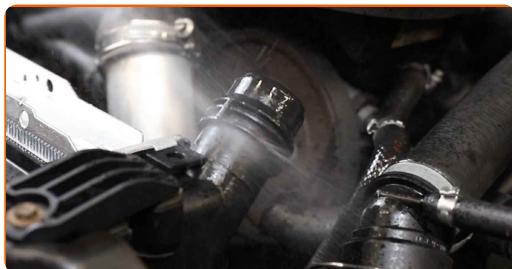
- 20 Attach the lower coolant pipe.



- 21 Attach the clamp of the lower coolant pipe.



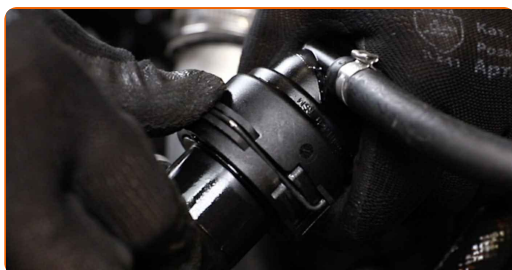
- 22 Clean the coolant hose. Use all-purpose cleaning spray.



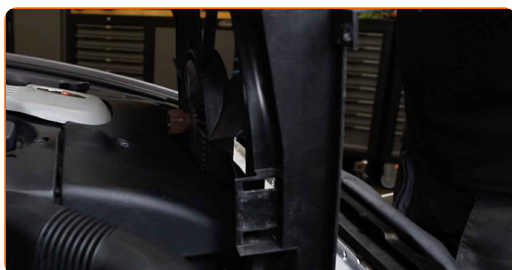
- 23 Attach the upper coolant hose.



- 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 5 Saloon (E39). 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.



Replacement: engine radiator – BMW 5 Saloon (E39). 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.