



How to change engine  
radiator on **MERCEDES-  
BENZ W124 Estate (S124)**  
– replacement guide

### SIMILAR VIDEO TUTORIAL



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

#### **i Important!**

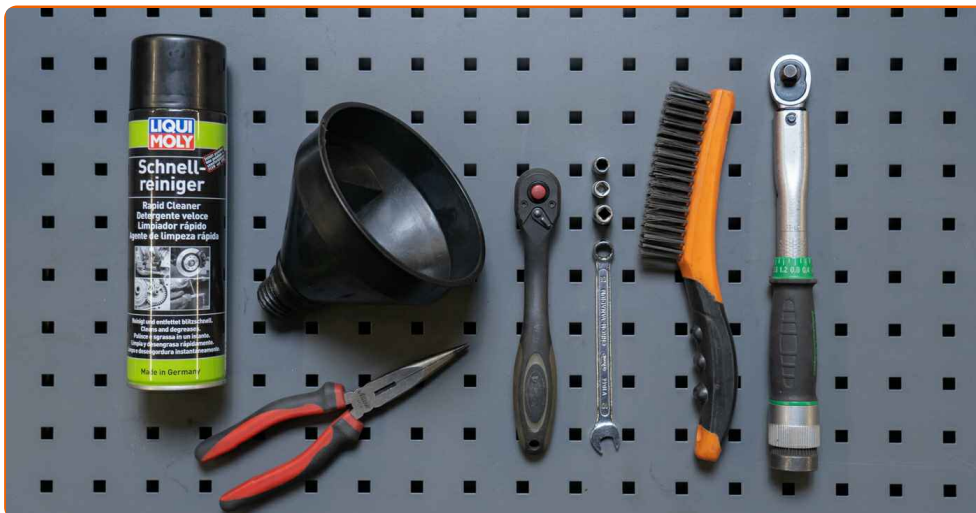
This replacement procedure can be used for:

MERCEDES-BENZ W124 Estate (S124) 200 2.0 (124.080), MERCEDES-BENZ W124 Estate (S124) 200 TE 2.0 (124.081), MERCEDES-BENZ W124 Estate (S124) 200 TE 2.0, MERCEDES-BENZ W124 Estate (S124) 230 TE Cat (124.083), MERCEDES-BENZ W124 Estate (S124) 230 TE 2.3 (124.083), MERCEDES-BENZ W124 Estate (S124) 200 TE 2.0 (124.079)

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: MERCEDES-BENZ 190 (W201) 2.0 (201.023)

**REPLACEMENT: ENGINE RADIATOR – MERCEDES-BENZ  
W124 ESTATE (S124). TOOLS YOU'LL 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

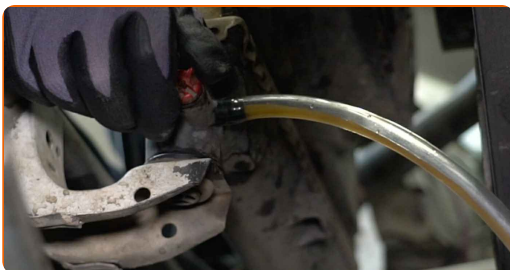
**Buy tools**

Replacement: engine radiator – MERCEDES-BENZ W124 Estate (S124).  
 AUTODOC experts recommend:

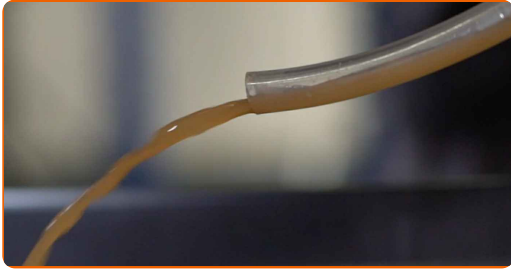
- Follow the terms, recommendations and requirements of the part operation provided by the manufacturer.
- Check the coolant condition and replace it if necessary.
- Please note: all work on the car – MERCEDES-BENZ W124 Estate (S124) – should be done with the engine switched off.

**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.

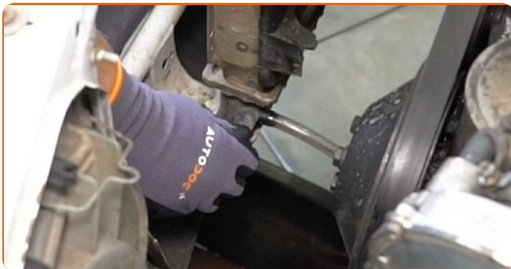


Replacement: engine radiator – MERCEDES-BENZ W124 Estate (S124). Tip:

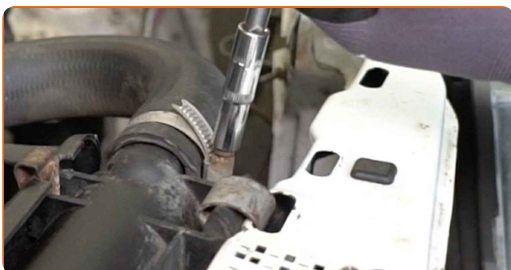
- All work should be done with the engine stopped.
- Wait until the coolant has completely flowed out of the drain hole.

**8** Close the coolant drain tap.

**9** Loosen the clamps of the upper coolant hose. Use a drive socket #7. Use a drive socket #8. Use a ratchet wrench.



**10** Detach the upper coolant hose.

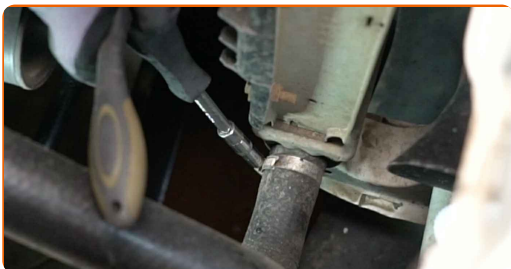


**AUTODOC recommends:**

- Caution! Coolant may leak from radiator openings.

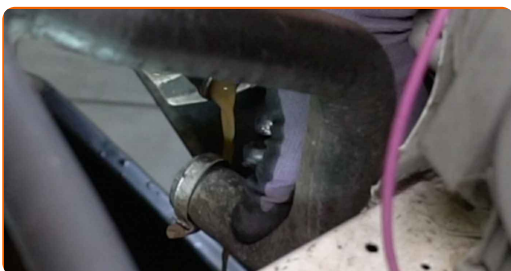
**11**

Loosen the clamp of the lower coolant hose. Use a drive socket #7. Use a ratchet wrench.



**12**

Detach the lower coolant pipe.



**Replacement: engine radiator – MERCEDES-BENZ W124 Estate (S124). Tip from AUTODOC experts:**

- Caution! Coolant may leak from radiator openings.

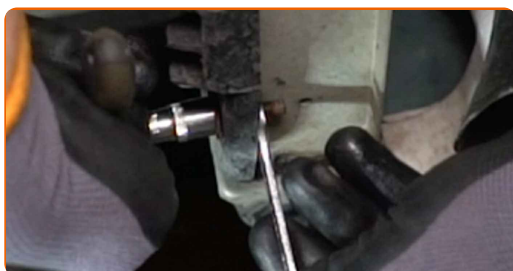
**13**

Clean the fasteners of the radiator fan housing. Use a wire brush. Use all-purpose cleaning spray.



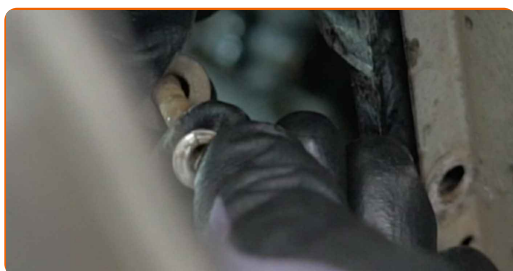
**14**

Unscrew the fan housing fasteners. Use a combination spanner #10. Use a drive socket #10. Use a ratchet wrench.



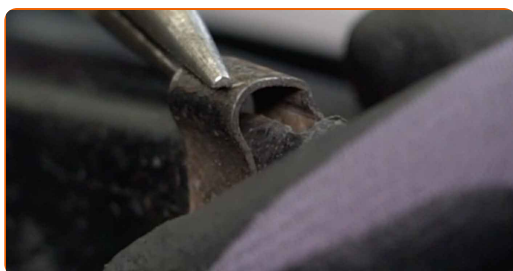
**15**

Remove the fastening bolts.



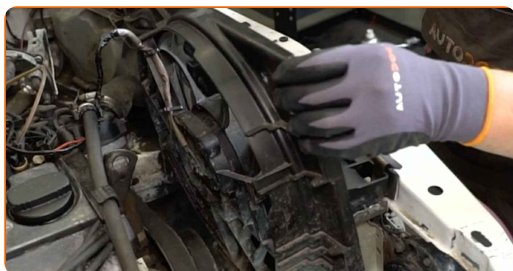
**16**

Remove the upper clips of the radiator fan housing. Use long nose pliers.



**17**

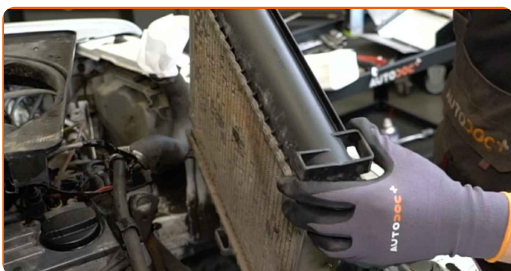
Remove the fan shroud.



**18** Remove the upper engine radiator clips. Use long nose pliers.



**19** Remove the radiator.



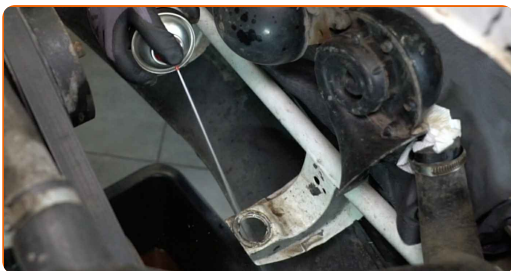
**20** Remove the engine cooling radiator mounting pads.



**AUTODOC recommends:**

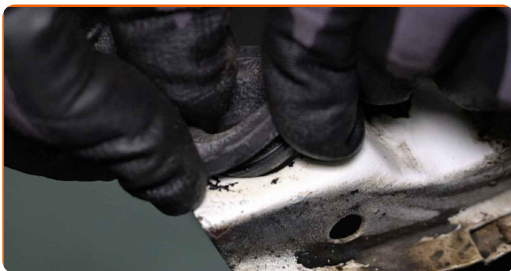
- Inspect the mounting pads. Replace them if necessary.

**21** Clean the seats of the engine cooling radiator mounting pads.





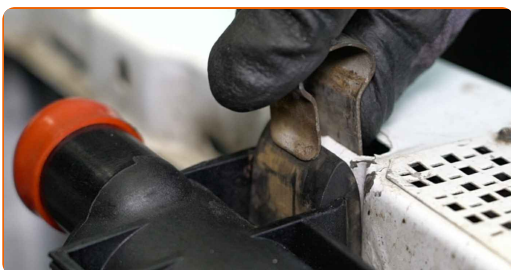
22 Fit the engine cooling radiator mounting pads.



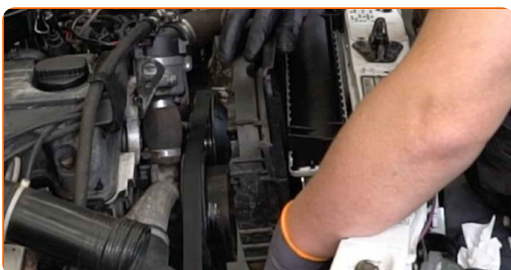
23 Install the new radiator.



24 Install the upper engine radiator clips.



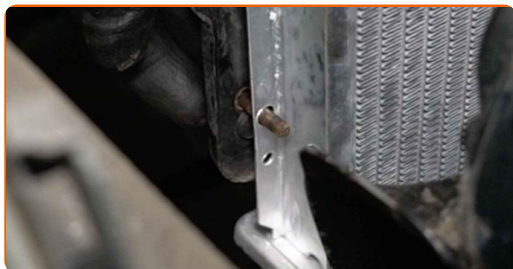
25 Install the fan shroud.



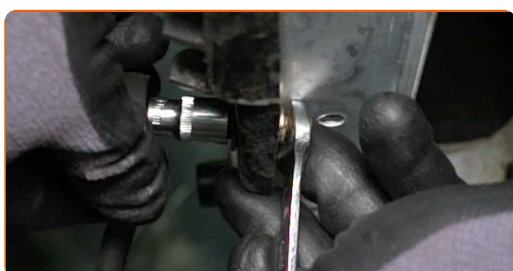
26 Attach the upper clips for the radiator fan housing.



**27** Install the fastening bolts.



**28** Screw in the fasteners of the fan housing. Use a combination spanner #10. Use a drive socket #10. Use a ratchet wrench.



**29** Attach the lower coolant pipe.



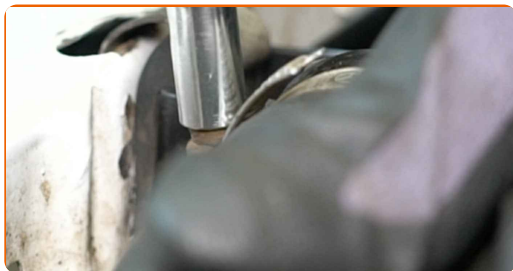
**30** Tighten the clamp of the lower coolant hose. Use a drive socket #7. Use a ratchet wrench.



**31** Attach the upper coolant hose.

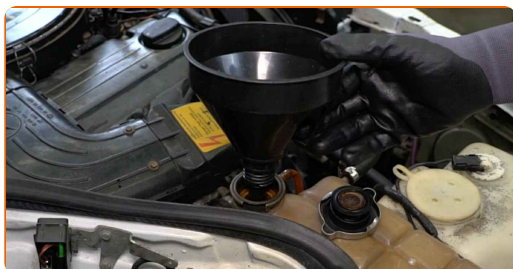


**32** Tighten the clamp of the upper coolant hose. Use a drive socket #7. Use a ratchet wrench.



**33** Remove the coolant reservoir cap.

**34** Insert the funnel.



**35** Pour coolant in the coolant reservoir.



Replacement: engine radiator – MERCEDES-BENZ W124 Estate (S124).  
AUTODOC recommends:

- 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.

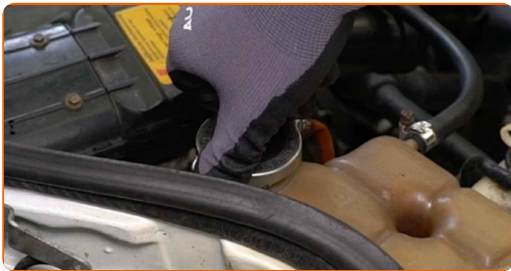
**36**

Install the coolant reservoir cap.



**37**

Screw on the coolant reservoir cap.



**38**

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.

**39**

Shut off the engine.

**40**

Remove the fender protection cover.

**41**

Close the hood.

**WELL DONE!** 

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