



How to change engine oil  
and filter on **MERCEDES-  
BENZ E-Class Coupe  
(C124)** – replacement  
guide

### SIMILAR VIDEO TUTORIAL



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

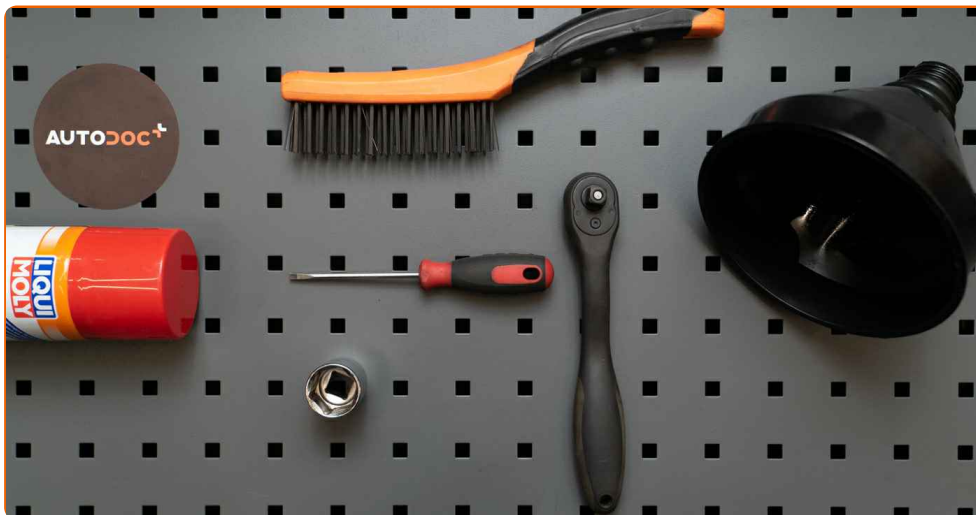
#### **i Important!**

This replacement procedure can be used for:  
 MERCEDES-BENZ E-Class Coupe (C124) E 200 (124.040), MERCEDES-BENZ E-Class Coupe (C124) E 220 (124.042), MERCEDES-BENZ E-Class Coupe (C124) E 320 (124.052), MERCEDES-BENZ E-Class Coupe (C124) E 36 AMG (124.052)

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 C-Class Saloon (W202) C 220 (202.022)

REPLACEMENT: ENGINE OIL AND FILTER – MERCEDES-BENZ E-CLASS COUPE (C124). TOOLS YOU NEED:



- Wire brush
- All-purpose cleaning spray
- Drive socket # 24
- Oil filter cup socket 62-23F
- Ratchet wrench
- Torque wrench
- Flat Screwdriver
- Funnel
- Oil drain pan
- Fender cover

**Buy tools**

Replacement: engine oil and filter – MERCEDES-BENZ E-Class Coupe (C124).  
Tip from AUTODOC:

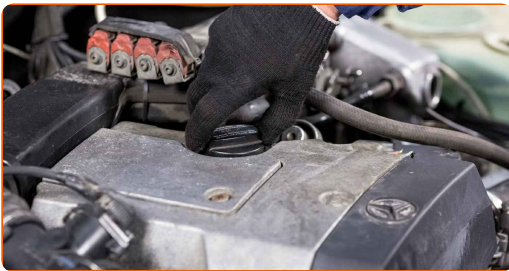
- Replace the oil filter every time when changing motor oil.
- Use only new O-rings during installation.
- Wear gloves to prevent contact with hot liquid.
- Please note: all work on the car – MERCEDES-BENZ E-Class Coupe (C124) – should be done with the engine switched off.

**CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:**

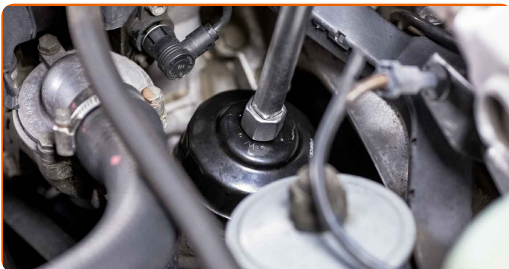
**1** Open the hood.

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

**3** Unscrew the oil filler plug.

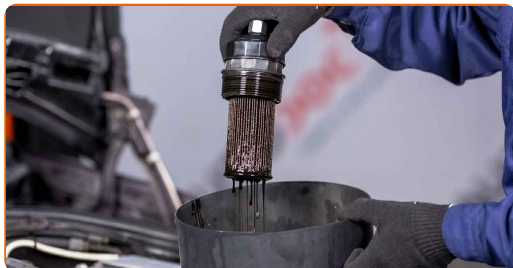


**4** Unscrew the filter housing cap together with the old filter element. Use the 62-23F socket. Use a ratchet wrench.



**5** Prepare a container for the old oil filter.

**6** Put the old oil filter in the container.



**Replacement: engine oil and filter – MERCEDES-BENZ E-Class Coupe (C124).  
Tip from AUTODOC experts:**

- Move up the container. The oil starts to drain out of the drainage hole immediately after you have removed the oil filter.

**7** Detach the oil filter from the filter cover.

**8** Remove the oil filter cover O-ring. Use a flat screwdriver.

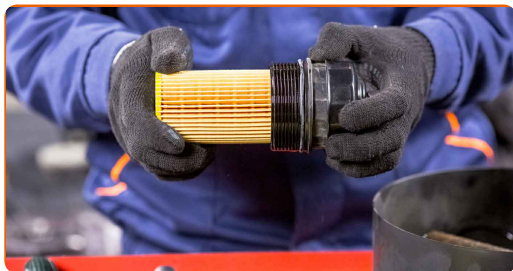


**9** Clean the oil filter housing cap. Use all-purpose cleaning spray.

**10** Install a new O-ring to its mounting seat on the filter cover. Use a flat screwdriver.



**11** Install the new oil filter to the mounting seat on the filter cover.

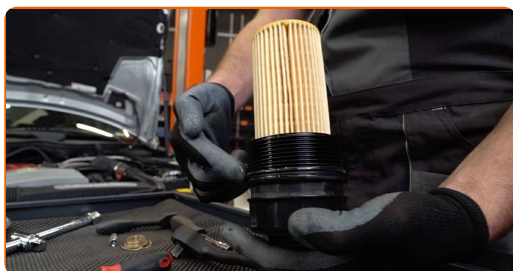


**Please note!**

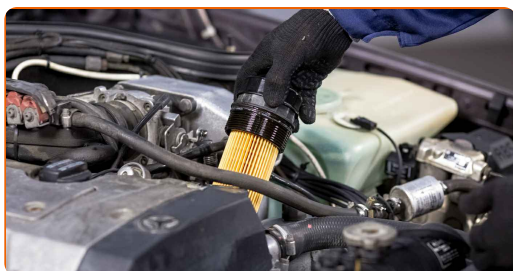
- Make sure to install the filter correctly. Don't mix up the sides of the part.

**12** Clean the oil filter seat.

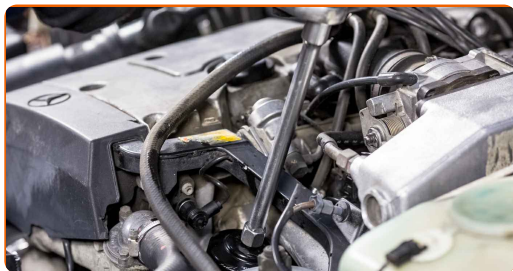
**13** Lubricate the rubber seal of the new filter with a little amount of fresh oil.



**14.1** Install a new oil filter housing cover and tighten it.



**14.2** Use the 62-23F socket. Use a torque wrench. Tighten it to 25 Nm torque.



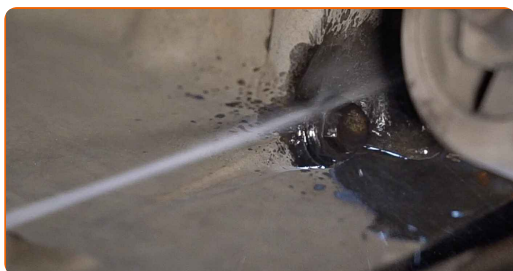
**15** Lift the car using a jack or place it over an inspection pit.

**AUTODOC recommends:**

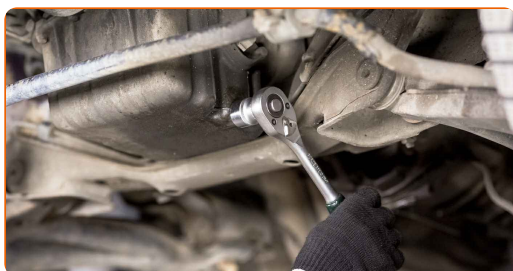
- The vehicle must be on even keel, and if it is at an angle, the drain plug must be at the lowest point.
- All works should be done with the engine cooled down.

**16** Put a waste oil container with at least 6 l capacity under the drainage hole.

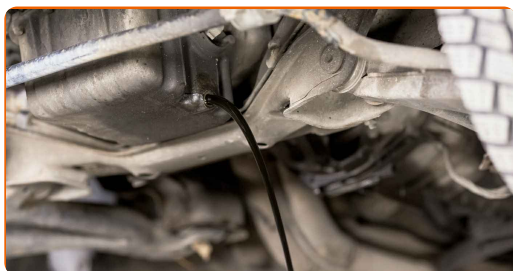
**17** Clean the area of the oil pan drainage hole. Use a wire brush. Use all-purpose cleaning spray.



**18** Unscrew the drain plug. Use a drive socket #24. Use a ratchet wrench.



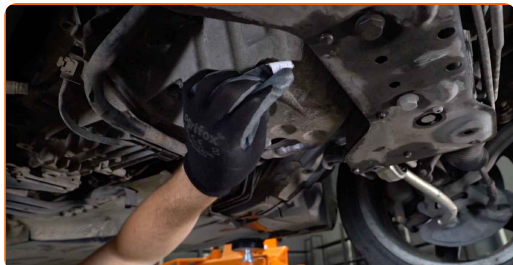
**19** Drain the used oil.



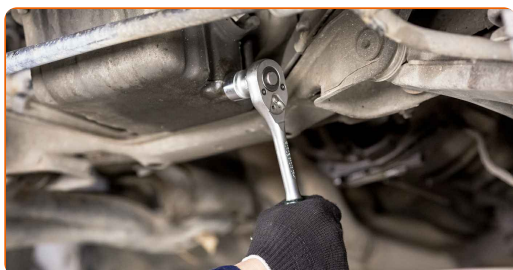
Replacement: engine oil and filter – MERCEDES-BENZ E-Class Coupe (C124).  
Professionals recommend:

- Caution! The oil may be hot.
- Wait until the oil has completely drained from the drainage hole.

**20** Clean the area of the oil pan drainage hole.



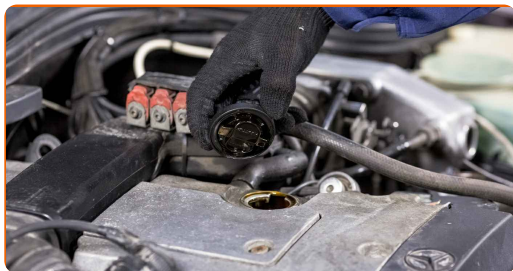
**21** Screw in the new drainage plug and tighten it. Use a drive socket #24. Use a torque wrench. Tighten it to 30 Nm torque.



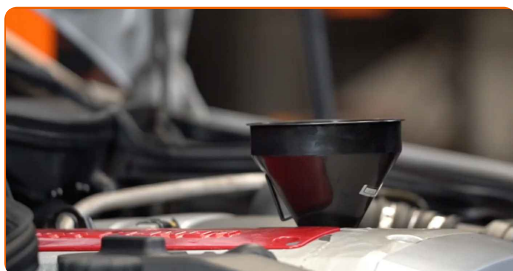
**22** Lower the car.



**23** Remove the oil filler cap.



**24** Insert the funnel.



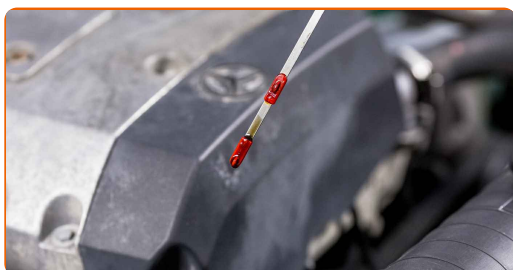
**25** Pour new oil into the engine in the amount recommended by the car manufacturer.



Replacement: engine oil and filter – MERCEDES-BENZ E-Class Coupe (C124).  
AUTODOC recommends:

- Use the oil recommended by the manufacturer.

**26** Check the oil level using the dipstick. Top up oil if necessary.



Please note!

- The oil level should be between the Min and Max marks.

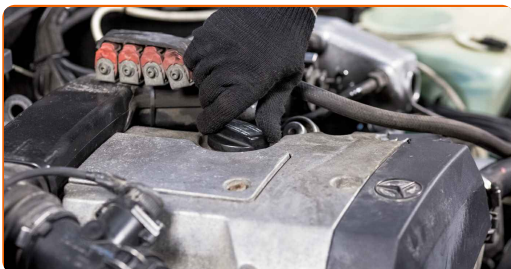
27

Install the oil filler cap.



28

Tighten the oil filler cap.

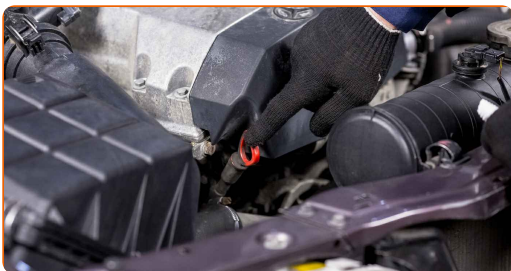


29

Run the engine for a few minutes. After the oil pressure warning light goes out, stop the engine.

30

Check the oil level 5 minutes after the stop of the engine operation using a dipstick and add oil if necessary.



### Please note!

- The oil level should be between the Min and Max marks.
- Make sure that the oil filler cap is properly tightened.
- Check the threaded plug of the drainage hole and the oil filter seal for tightness. If necessary, carefully tighten them up.

**31** Remove the fender protection cover.

**32** Close the hood.

### Replacement: engine oil and filter – MERCEDES-BENZ E-Class Coupe (C124). Tip from AUTODOC:

- Note that oil pressure warning light, which indicates insufficient pressure in the lubrication system, may be on for a longer time than usual. After a few seconds, the oil will fill all the channels, and the light will go out.
- To protect the environment from pollution, be sure to dispose of the used filters at special collection points.

**WELL DONE!** 

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