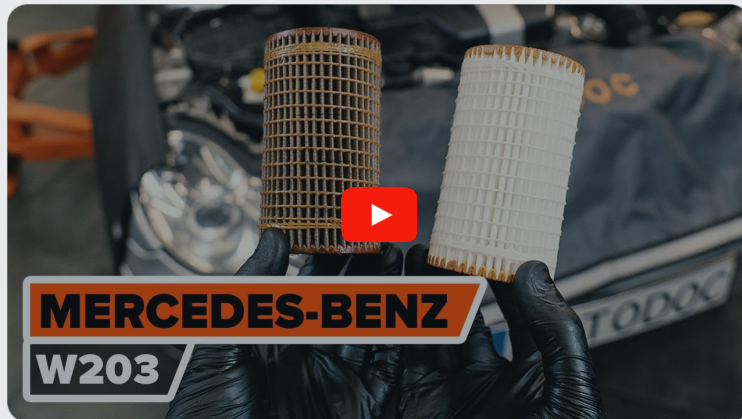




How to change engine oil  
and filter on **MERCEDES-  
BENZ S-Class Coupe  
(C215) V6** – replacement  
guide

### 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:

MERCEDES-BENZ S-Class Coupe (C215) CL 500 (215.375), MERCEDES-BENZ S-Class Coupe (C215) CL 600 (215.378), MERCEDES-BENZ S-Class Coupe (C215) CL 55 AMG (215.373), MERCEDES-BENZ S-Class Coupe (C215) CL 63 AMG, MERCEDES-BENZ S-Class Coupe (C215) CL 55 AMG Kompressor (215.374)

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 (W203) C 240 (203.061)

**REPLACEMENT: ENGINE OIL AND FILTER – MERCEDES-BENZ S-CLASS COUPE (C215) V6. TOOLS YOU NEED:**



- Wire brush
- All-purpose cleaning spray
- Torque wrench
- Combination spanner #13
- Drive socket # 8
- Drive socket # 13
- Oil filter cup socket 74/15F
- Ratchet wrench
- Oil drain pan
- Funnel
- Flat Screwdriver
- Microfibre towel
- Fender cover

**Buy tools**

**Replacement: engine oil and filter – MERCEDES-BENZ S-Class Coupe (C215) V6. 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 S-Class Coupe (C215) V6 – 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** Lift the car using a jack or place it over an inspection pit.

Replacement: engine oil and filter – MERCEDES-BENZ S-Class Coupe (C215) V6. Professionals recommend:

- The vehicle must be on even keel, and if it is at an angle, the drain plug must be at the lowest point.

5

Undo the fasteners of the oil pan lower cover. Use a drive socket #8. Use a ratchet wrench.



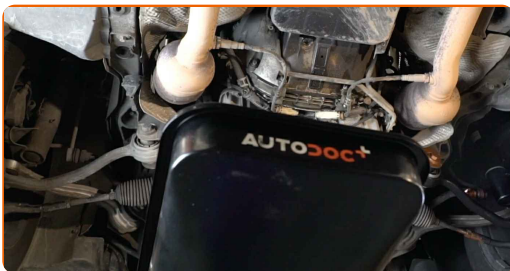
6

Remove the oil pan cover.



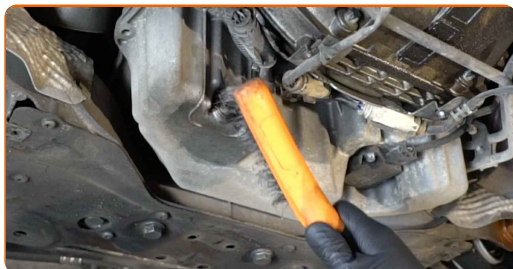
7

Put a waste oil container with at least 9 l capacity under the drainage hole.



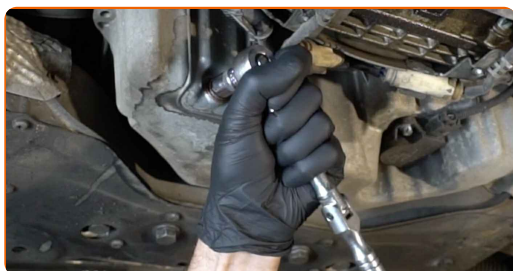
8

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



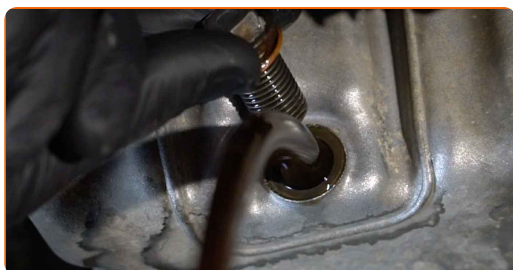
9

Unscrew the drain plug. Use a combination spanner #13. Use a drive socket #13. Use a ratchet wrench.



10

Drain the used oil.

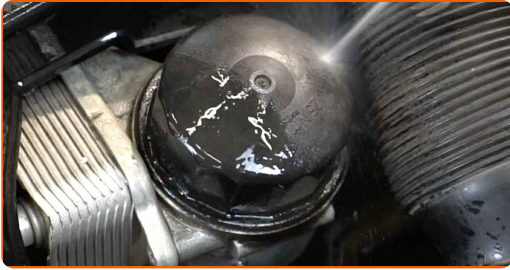


Replacement: engine oil and filter – MERCEDES-BENZ S-Class Coupe (C215)  
V6. Tip from AUTODOC:

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

**11**

Clean the oil filter housing cap.



**12**

Unscrew the filter housing cap together with the old filter element. Use the 74/15F socket. Use a ratchet wrench.



**13**

Prepare a container for the old oil filter.

**14**

Put the old oil filter in the container.



Replacement: engine oil and filter – MERCEDES-BENZ S-Class Coupe (C215) V6. AUTODOC recommends:

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

**15**

Cover the oil filter housing with a microfibre towel to prevent dirt and foreign objects from getting into the system.

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



**17** Remove old o-rings from the oil filter cover. Use a flat screwdriver.



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



**19** Install new O-rings and a new oil filter to their mounting seats on the filter cover.



**Please note!**

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



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

**21** Remove the microfibre towel from the oil filter housing.

**22** Install a new oil filter housing cover and tighten it. Use the 74/15F socket. Use a torque wrench. Tighten it to 25 Nm torque.



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



**24** Screw in the new drainage plug and tighten it. Use a drive socket #13. Use a torque wrench. Tighten it to 30 Nm torque.



**25** Clean the area of the oil pan drainage hole. Use all-purpose cleaning spray.



**26** Reinstall the oil pan lower cover.

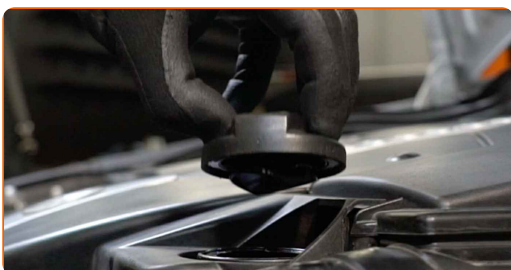


**27** Tighten the fasteners of the oil pan lower cover. Use a drive socket #8. Use a ratchet wrench.

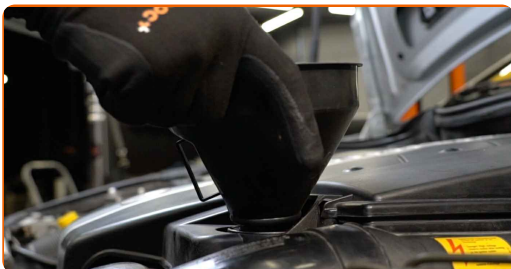


**28** Lower the car.

**29** Remove the oil filler cap.



**30** Insert the funnel.



**31** Pour oil into the engine through the filler. Required amount of oil: 8 L.



Replacement: engine oil and filter – MERCEDES-BENZ S-Class Coupe (C215) V6. Tip:

- Use the oil recommended by the manufacturer.

**32** Install the oil filler cap.



**33** Tighten the oil filler cap.



**34** Switch on the ignition.

**35** Check the oil level using the on-board computer. Top up oil if necessary.

- 36** Run the engine for a few minutes. After the oil pressure warning light goes out, stop the engine. Switch off the ignition.



Replacement: engine oil and filter – MERCEDES-BENZ S-Class Coupe (C215) V6. AUTODOC experts recommend:

- 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.

- 37** Remove the fender protection cover.

- 38** Close the hood.

## Replacement: engine oil and filter – MERCEDES-BENZ S-Class Coupe (C215) V6. 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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