



How to change fuel filter  
on **MERCEDES-BENZ C-  
Class Saloon (W203)** –  
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 C-Class Saloon (W203) C 200 CDI (203.004), MERCEDES-BENZ C-Class Saloon (W203) C 220 CDI (203.006), MERCEDES-BENZ C-Class Saloon (W203) C 200 CDI (203.007), MERCEDES-BENZ C-Class Saloon (W203) C 220 CDI (203.008), MERCEDES-BENZ C-Class Saloon (W203) C 320 CDI (203.020)

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 E-Class Saloon (W211) E 270 CDI (211.016)

REPLACEMENT: FUEL FILTER – MERCEDES-BENZ C-CLASS SALOON (W203). LIST OF THE TOOLS YOU'LL NEED:



- All-purpose cleaning spray
- Torx bit T25
- Drive socket # 5.5
- Drive socket # 7
- Drive socket # 10
- HEX bit No.H5
- Ratchet wrench
- Round-nose pliers
- Bulb hand fuel pump
- Fender cover

**Buy tools**

Replacement: fuel filter – MERCEDES-BENZ C-Class Saloon (W203). AUTODOC experts recommend:

- Ensure adequate ventilation of the workplace. Fuel vapors are poisonous.
- Please note: all work on the car – MERCEDES-BENZ C-Class Saloon (W203) – 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 engine cover fastener. Use Torx T25. Use a ratchet wrench.
- 4 Unscrew the fasteners of the back section of the engine cover. Use a drive socket #10. Use a ratchet wrench.



- 5 Remove the back section of the engine cover.



**AUTODOC recommends:**

- Replacement: fuel filter – MERCEDES-BENZ C-Class Saloon (W203). Do not use excessive force when removing the part as this may damage it.

**6**

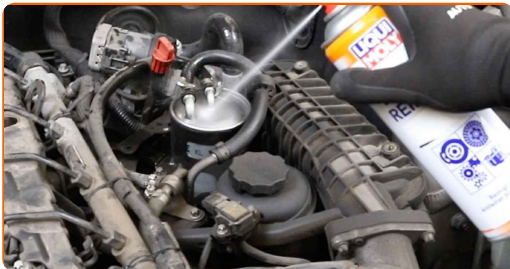
Remove the engine cover.

**AUTODOC recommends:**

- Replacement: fuel filter – MERCEDES-BENZ C-Class Saloon (W203). To avoid damaging the part when removing it, do not use excessive force.

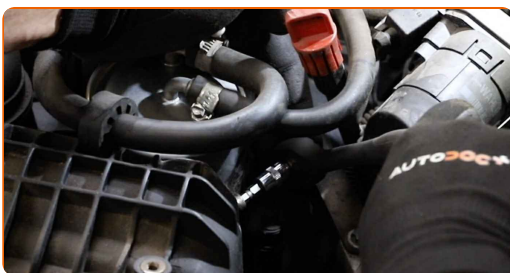
**7**

Clean the fuel filter housing and the cover. Use all-purpose cleaning spray.

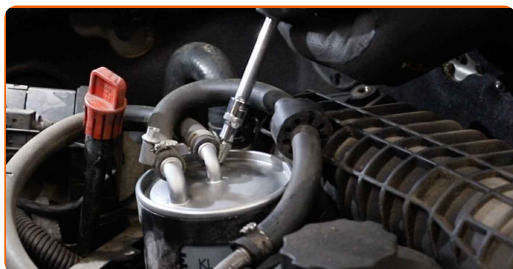


**8**

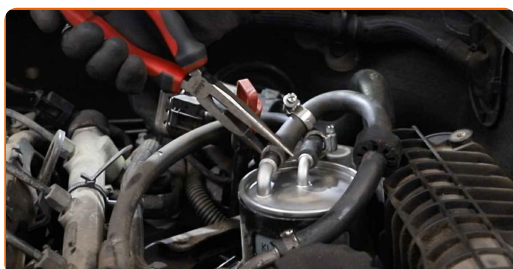
Loosen the fuel filter mounting. Use HEX No.H5. Use a ratchet wrench.



- 9 Loosen the fastening clamps of the fuel filter pipes. Use a drive socket #5.5. Use a drive socket #7. Use a ratchet wrench.



- 10 Detach the tubes from the fuel filter. Use round-nose pliers.



Replacement: fuel filter – MERCEDES-BENZ C-Class Saloon (W203). Tip:

- Be careful! Fuel may leak from the filter housing and hoses.

- 11 Remove the fuel filter.



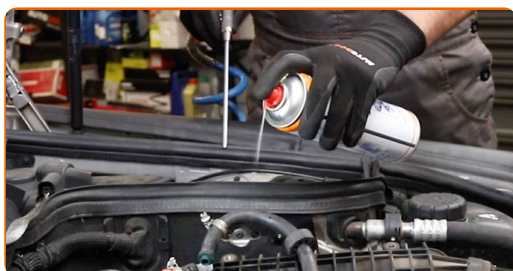
**12** Install a new fuel filter.



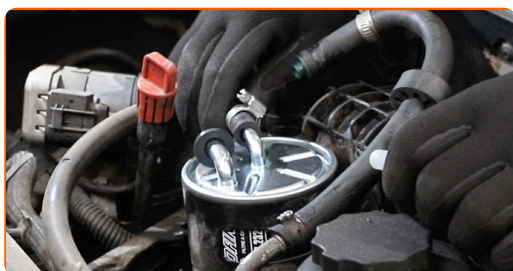
Replacement: fuel filter – MERCEDES-BENZ C-Class Saloon (W203). Tip from AUTODOC:

- Make sure that the fuel filter is positioned correctly. Consider the fuel flow direction mark.
- During installation, take care to prevent dust and dirt from getting into the fuel filter housing.
- MERCEDES-BENZ C-Class Saloon (W203) – It's important to only use high-quality filters.

**13** Clean the fuel filter housing and the cover. Use all-purpose cleaning spray.



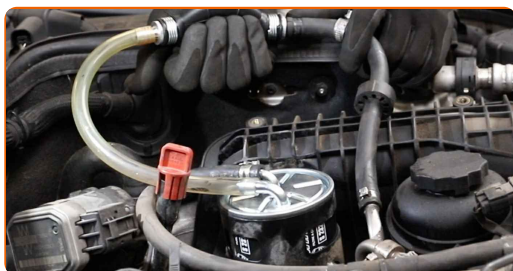
**14** Attach the pipe to the fuel filter.



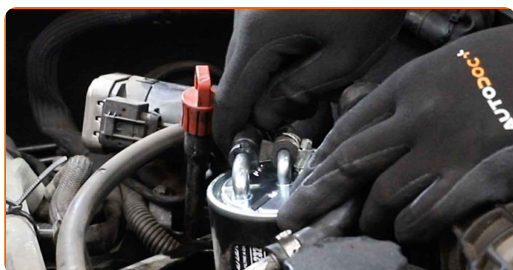
**15** Tighten the fastening clamp of the fuel filter pipe. Use a drive socket #5.5. Use a ratchet wrench.



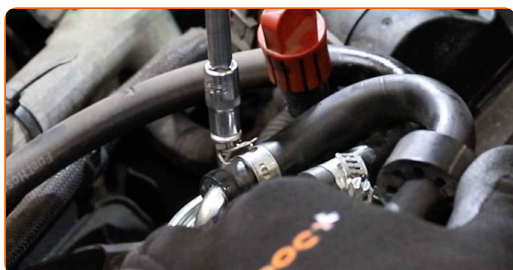
**16** Press the fuel primer pump several times until it gets hard. Use a bulb hand fuel pump.



**17** Attach the pipe to the fuel filter.



**18** Tighten the fastening clamp of the fuel filter pipe. Use a drive socket #7. Use a ratchet wrench.





**19**

Clean the fuel filter housing and the cover. Use all-purpose cleaning spray.



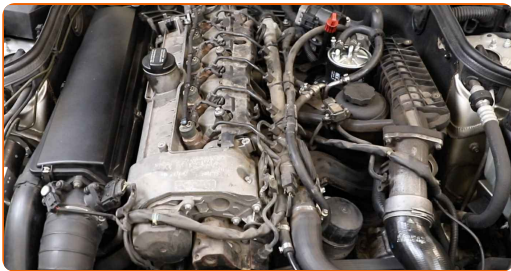
**20**

Screw in the fuel filter mounting bracket. Use HEX No.H5. Use a ratchet wrench.



**21**

Run the engine for a few minutes. This is necessary in order to make sure that the component operates properly.



**22**

Shut off the engine.

**23**

Install the engine cover and secure it.

**AUTODOC recommends:**

- Replacement: fuel filter – MERCEDES-BENZ C-Class Saloon (W203). Do not use excessive force during installation. This may damage the part.

**24**

Screw in the engine cover fasteners. Use Torx T25. Use a ratchet wrench.

**25**

Put the back section of the engine cover back in place.



**AUTODOC recommends:**

- Replacement: fuel filter – MERCEDES-BENZ C-Class Saloon (W203). To avoid damaging the part during installation, do not use excessive force.

**26**

Screw in the fasteners of the back section of the engine cover. Use a drive socket #10. Use a ratchet wrench.



**27**

Remove the fender protection cover.

**28**

Close the hood.

**WELL DONE!** 

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