



How to change fuel filter
on **MERCEDES-BENZ R-
Class (W251, V251)** –
replacement guide

SIMILAR VIDEO TUTORIAL



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

Important!

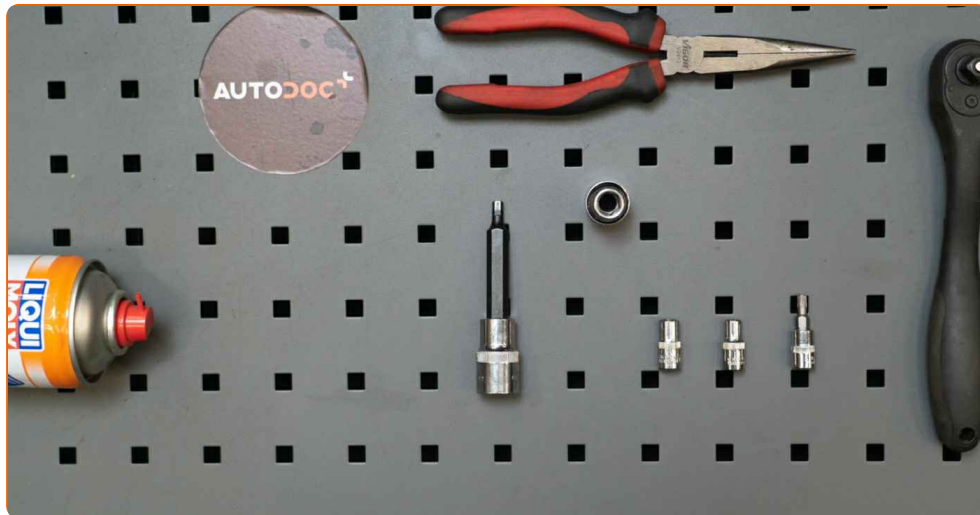
This replacement procedure can be used for:

- MERCEDES-BENZ R-Class (W251, V251) R 350 CDI 4-matic (251.023, 251.123),
- MERCEDES-BENZ R-Class (W251, V251) R 320 CDI 4-matic (251.022, 251.122),
- MERCEDES-BENZ R-Class (W251, V251) R 280 CDI 4-matic (251.020), MERCEDES-BENZ R-Class (W251, V251) R 280 CDI (251.121, 251.026, 251.126), MERCEDES-BENZ R-Class (W251, V251) R 300 CDI (251.021, 251.121, 251.026, 251.126),
- MERCEDES-BENZ R-Class (W251, V251) R 300 CDI 4-matic (251.020), MERCEDES-BENZ R-Class (W251, V251) R 350 CDI 4-matic (251.022, 251.122), MERCEDES-BENZ R-Class (W251, V251) R 350 CDI 4-matic (251.124, 251.125), MERCEDES-BENZ R-Class (W251, V251) R 320 CDI 4-matic (251.125)

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 R-CLASS (W251, V251). 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 R-Class (W251, V251). AUTODOC experts recommend:

- Ensure adequate ventilation of the workplace. Fuel vapors are poisonous.
- Please note: all work on the car – MERCEDES-BENZ R-Class (W251, V251) – 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 R-Class (W251, V251). Do not use excessive force when removing the part as this may damage it.

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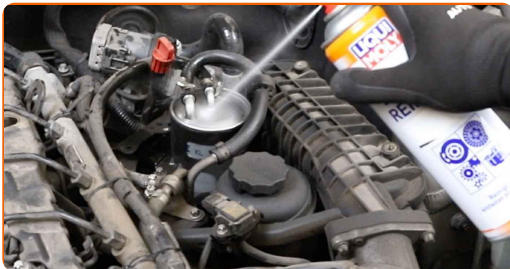
Remove the engine cover.

AUTODOC recommends:

- Replacement: fuel filter – MERCEDES-BENZ R-Class (W251, V251). To avoid damaging the part when removing it, do not use excessive force.

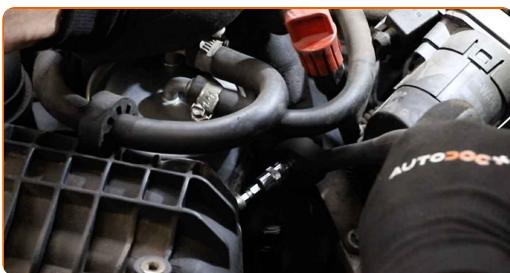
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Clean the fuel filter housing and the cover. Use all-purpose cleaning spray.

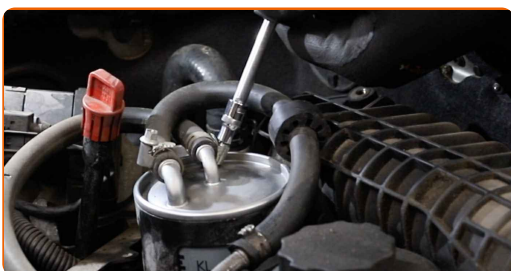


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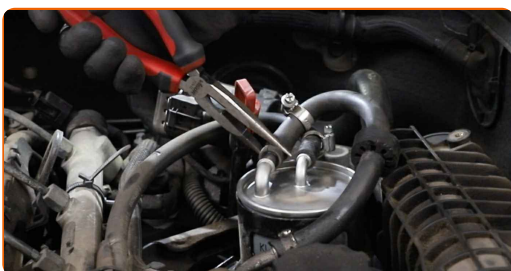
Loosen the fuel filter mounting. Use HEX No.H5. Use a ratchet wrench.



- 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 R-Class (W251, V251). Tip:

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

- 11 Remove the fuel filter.



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Install a new fuel filter.



Replacement: fuel filter – MERCEDES-BENZ R-Class (W251, V251). 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 R-Class (W251, V251) – It's important to only use high-quality filters.

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

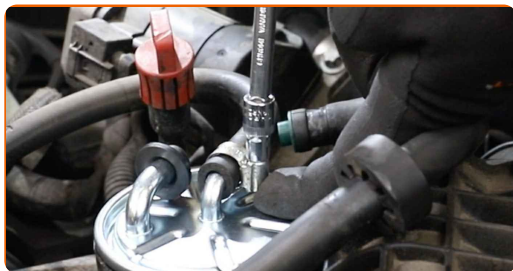


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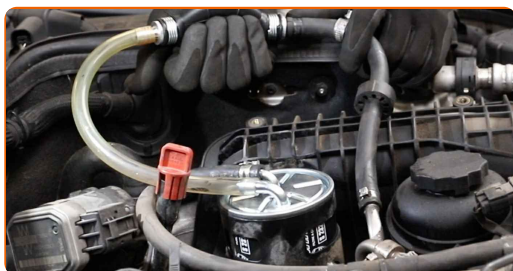
Attach the pipe to the fuel filter.



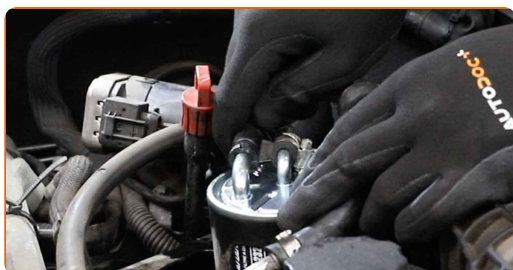
15 Tighten the fastening clamp of the fuel filter pipe. Use a drive socket #5.5. Use a ratchet wrench.



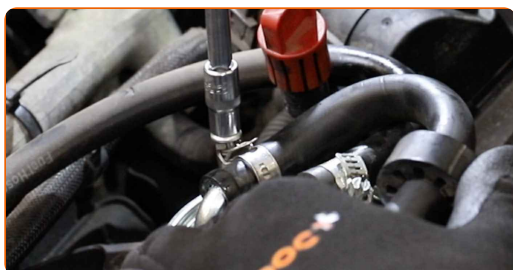
16 Press the fuel primer pump several times until it gets hard. Use a bulb hand fuel pump.



17 Attach the pipe to the fuel filter.



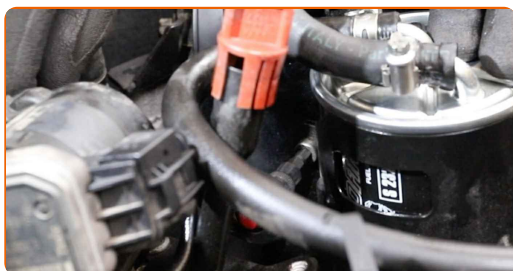
18 Tighten the fastening clamp of the fuel filter pipe. Use a drive socket #7. Use a ratchet wrench.



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 R-Class (W251, V251). 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 R-Class (W251, V251). 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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FUEL FILTER: A WIDE SELECTION

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