



How to change fuel filter
on **BMW 3 Coupe (E46)** –
replacement guide

SIMILAR VIDEO TUTORIAL



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

ⓘ Important!

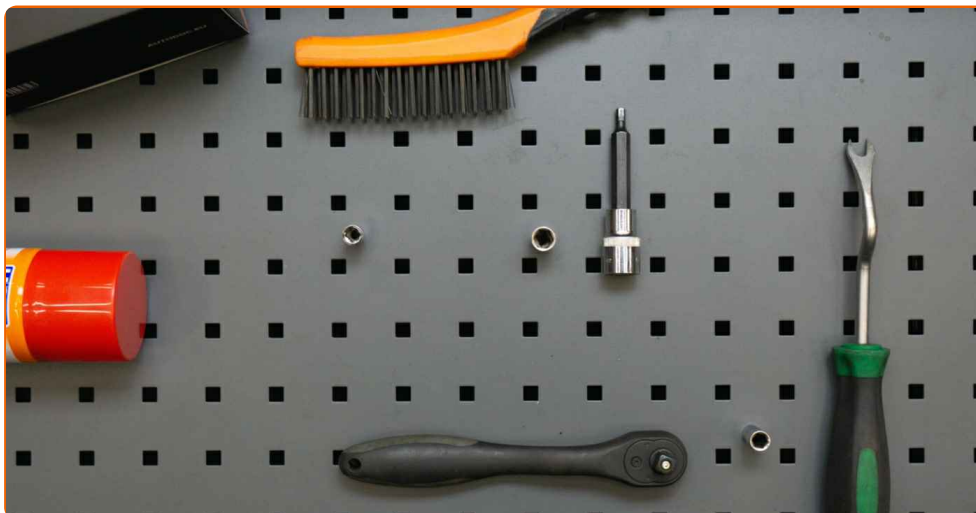
This replacement procedure can be used for:

BMW 3 Coupe (E46) 323Ci 2.5, BMW 3 Coupe (E46) 328Ci 2.8, BMW 3 Coupe (E46) 320Ci 2.0, BMW 3 Coupe (E46) 318Ci 1.9, BMW 3 Coupe (E46) 320Ci 2.2, BMW 3 Coupe (E46) 325Ci 2.5, BMW 3 Coupe (E46) 316Ci 1.6

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: BMW 5 Saloon (E39) 520i 2.0

REPLACEMENT: FUEL FILTER – BMW 3 COUPE (E46). TOOLS YOU MIGHT NEED:



- Wire brush
- All-purpose cleaning spray
- Fluid container
- Drive socket # 5.5
- Drive socket # 8
- Drive socket # 10
- HEX bit No.H5.
- Ratchet wrench
- Clip removal tool
- Fender cover

Buy tools

Replacement: fuel filter – BMW 3 Coupe (E46). Tip from AUTODOC experts:

- Ensure adequate ventilation of the workplace. Fuel vapors are poisonous.
- Please note: all work on the car – BMW 3 Coupe (E46) – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Open the fuel door.

2 Unscrew the fuel filler cap.

3 Open the bonnet.

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

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

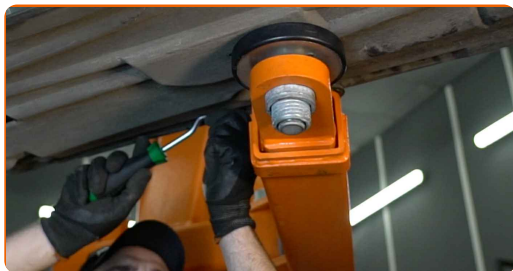


6 Unscrew the fasteners of the underbody cover panel. Use a drive socket #10. Use a drive socket #8. Use a ratchet wrench.



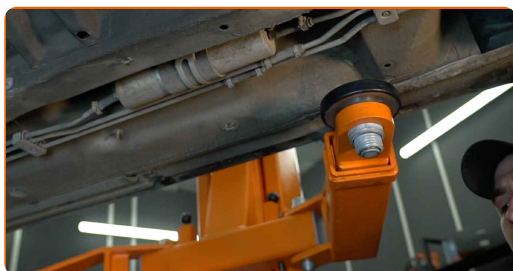
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Remove the clips of the underbody cover panel. Use a clip removal tool.



8

Remove the underbody cover panel.

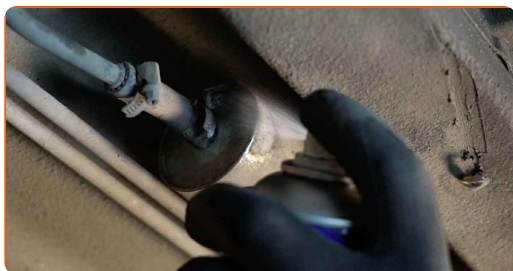


Replacement: fuel filter – BMW 3 Coupe (E46). Tip:

- Do not apply excessive force when removing the part. Otherwise you may damage it.

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Clean the fasteners of the fuel supply lines. Use a nylon cleaning brush. Use all-purpose cleaning spray.

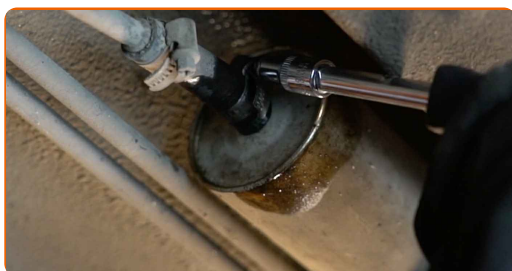


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Prepare a container for fluids.



- 11** Unscrew the fastener attaching the fuel supply line to the fuel filter housing. Use a drive socket #5.5. Use a ratchet wrench.



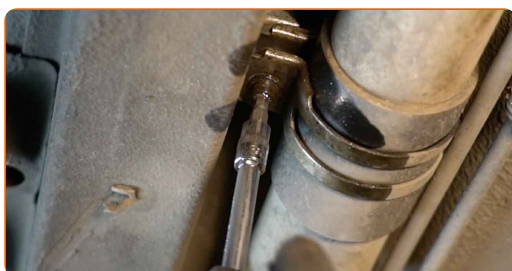
- 12** Disconnect the fuel supply lines from the fuel filter.



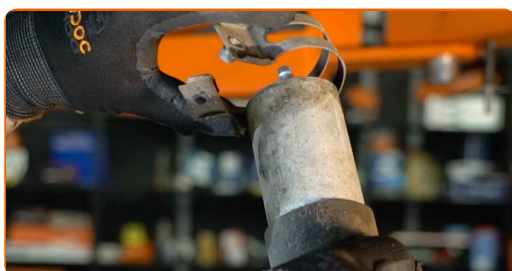
- 13** Clean the fuel filter mounting bracket. Use WD-40 spray.



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



- 15** Remove the fuel filter.



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Install a new fuel filter.

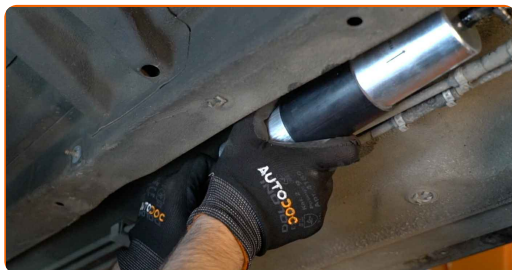


Replacement: fuel filter – BMW 3 Coupe (E46). Tip from AUTODOC:

- Remember, it is important not to mix up the input and output of the filter. Arrows on the filter indicate the direction of fuel flow.
- During installation, take care to prevent dust and dirt from getting into the fuel filter housing.
- BMW 3 Coupe (E46) – It's important to only use high-quality filters.

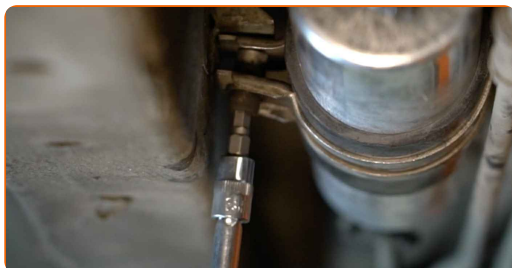
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Connect the fuel supply lines to the fuel filter.

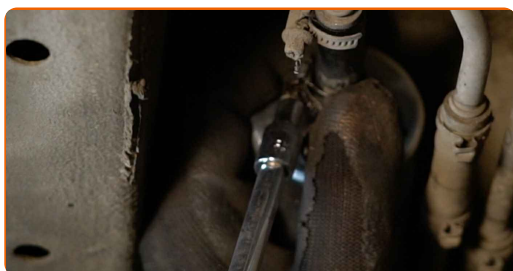


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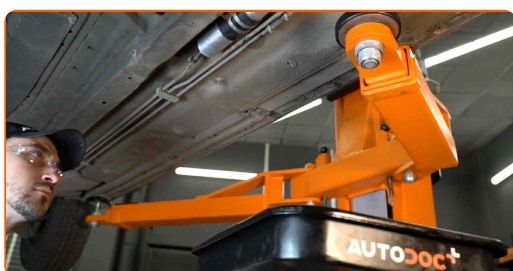
Screw in the fuel filter mounting bracket. Use HEX No.H5. Use a ratchet wrench.



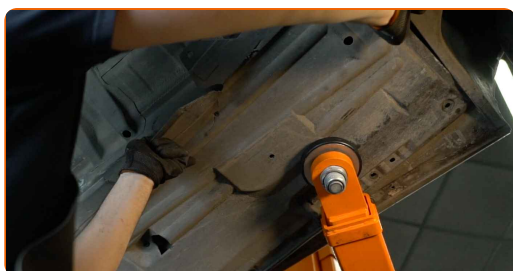
- 19** Screw the fastener attaching the fuel supply line to the fuel filter housing. Use a drive socket #5.5. Use a ratchet wrench.



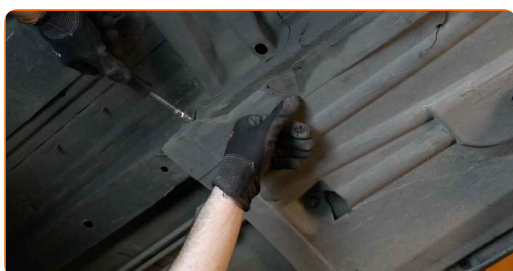
- 20** Take the fluid container away from under the fuel filter.



- 21** Put the underbody cover panel back in place.



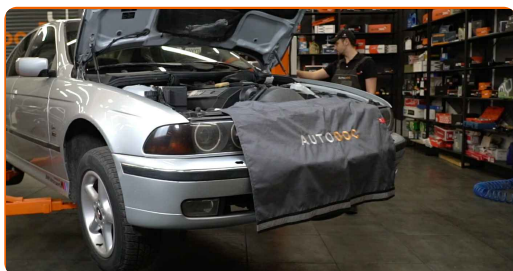
- 22** Screw in the fasteners of the underbody cover panel. Use a drive socket #8. Use a drive socket #10. Use a ratchet wrench.



- 23 Install the clips of the underbody cover panel.



- 24 Lower the car.



Replacement: fuel filter – BMW 3 Coupe (E46). Professionals recommend:

- Before starting off, switch the ignition on and off several times. This should be done to activate the fuel pump to make it pump fuel through the fuel system.

- 25 Tighten the fuel filler cap.

- 26 Close the fuel door.

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

- 28 Shut off the engine.

- 29 Remove the fender protection cover.

- 30 Close the hood.

AUTODOC recommends:

- To protect the environment from pollution, be sure to dispose of the used filters at special collection points.

WELL DONE! 

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