



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

SIMILAR VIDEO TUTORIAL



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

Important!

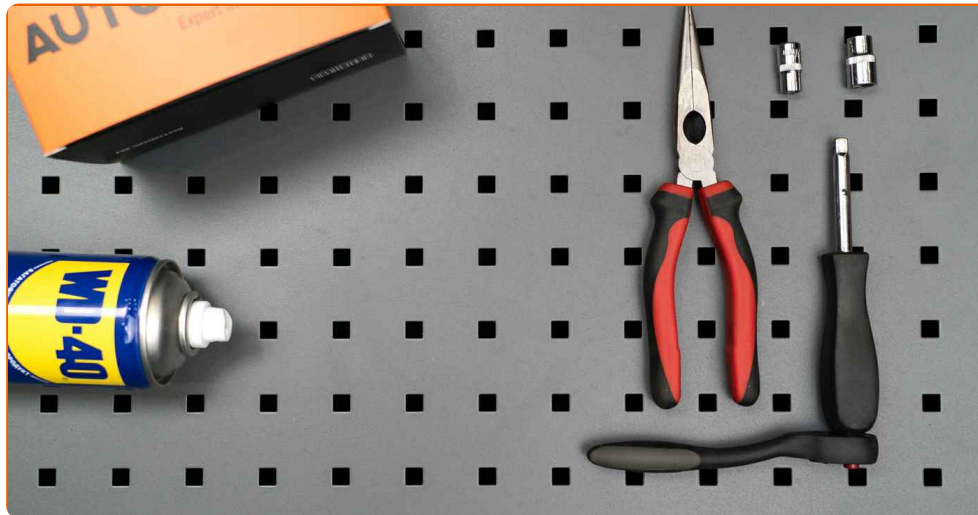
This replacement procedure can be used for:

BMW 3 Compact (E46) 316ti 1.8, BMW 3 Compact (E46) 325ti 2.5, BMW 3 Compact (E46) 318ti 2.0, BMW 3 Compact (E46) 316ti 1.6, BMW 3 Compact (E46) 318Ti 2.0

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 3 Convertible (E46) 318Ci 2.0

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



- WD-40 spray
- Round-nose pliers
- Fluid container
- Drive socket # 7
- Drive socket # 10
- Ratchet wrench

[Buy tools](#)

Replacement: fuel filter – BMW 3 Compact (E46). AUTODOC recommends:

- Ensure adequate ventilation of the workplace. Fuel vapors are poisonous.
- All work should be done with the engine stopped.

REPLACEMENT: FUEL FILTER – BMW 3 COMPACT (E46). USE THE FOLLOWING PROCEDURE:

1

Open the fuel door.



2

Unscrew the fuel filler cap.

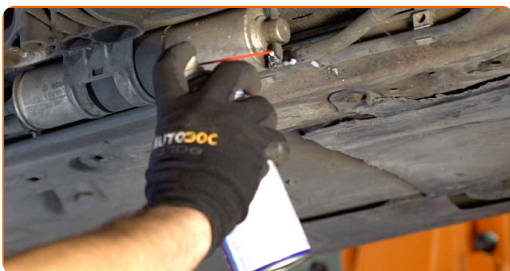


3

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

4

Treat the fasteners attaching the tubes to the fuel filter. Use WD-40 spray.



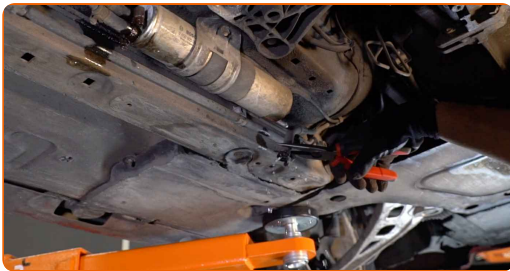
5 Prepare a container for fluids.



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



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



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

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

8 Loosen the fuel filter mounting. Use a drive socket #10. Use a ratchet wrench.



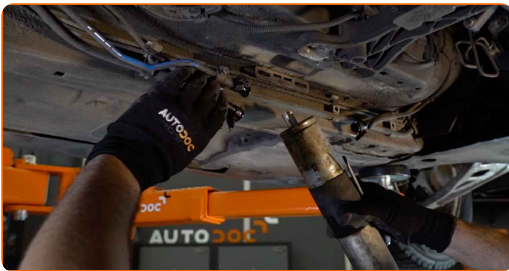
9 Remove the fuel filter fastening bracket.



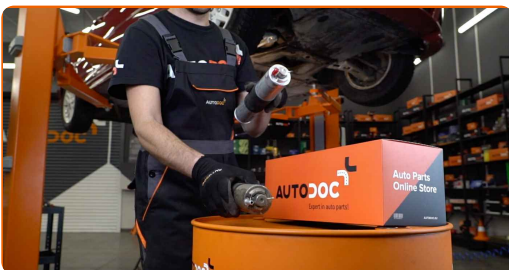
10 Detach the tubes from the fuel filter. Use round-nose pliers.



11 Remove the fuel filter. Put the old filter cartridge in the container.



12 Install a new fuel filter.

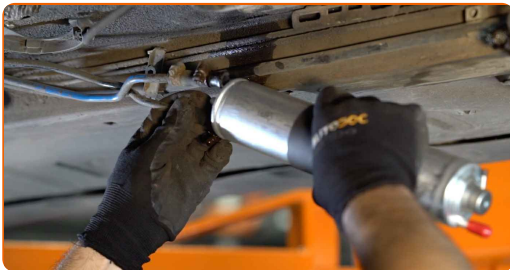


Replacement: fuel filter – BMW 3 Compact (E46). Tip from AUTODOC:

- 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.
- BMW 3 Compact (E46) – It's important to only use high-quality filters.

13

Attach the tubes to the fuel filter.



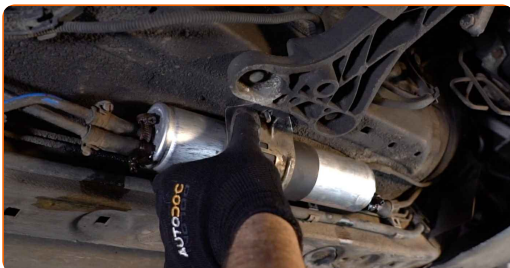
14

Tighten the fastening clamps of the fuel filter pipes. Use a drive socket #7. Use a ratchet wrench.



15

Install the fuel filter fastening bracket.



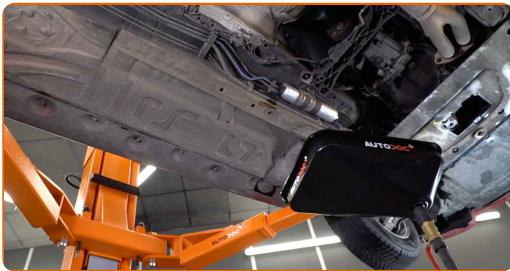
16

Tighten the fuel filter fasteners. Use a drive socket #10. Use a ratchet wrench.



17

Take the fluid container away from under the fuel filter.



18

Lower the car.

19

Tighten the fuel filler cap.



20

Close the fuel door.



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

- 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.

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.

Replacement: fuel filter – BMW 3 Compact (E46). 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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FUEL FILTER: A WIDE SELECTION

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