



How to change fuel filter  
on **BMW X3 E83 diesel** –  
replacement guide

## VIDEO TUTORIAL



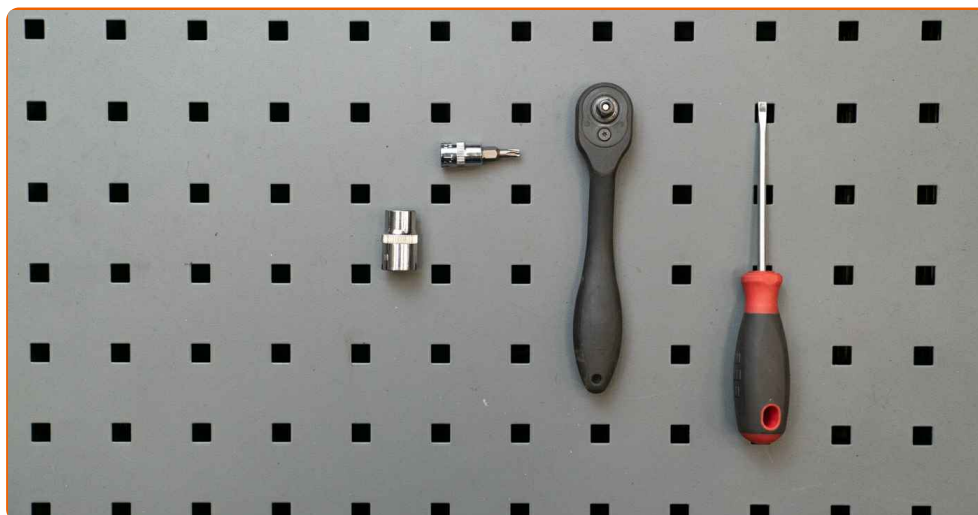
### Important!

This replacement procedure can be used for:

BMW X5 (E70) xDrive 30 d, BMW X5 (E70) xDrive 40 d, BMW X6 (E71, E72) xDrive 30 d, BMW X6 (E71, E72) xDrive 40 d, BMW 5 Saloon (F10) 525d xDrive 2.0, BMW 5 Saloon (F10) 525d 2.0, BMW 7 (F01, F02, F03, F04) 740d xDrive 3.0, BMW 5 Touring (F11) M 550 d xDrive, BMW 5 Saloon (F10) M 550 d xDrive, BMW 5 Saloon (F10) 530d 3.0, BMW 5 Saloon (F10) 530d xDrive 3.0, BMW 5 Saloon (F10) 535d 3.0, BMW 5 Saloon (F10) 535d xDrive 3.0, BMW 5 Touring (F11) 525d 2.0, BMW 5 Touring (F11) 525d xDrive 2.0, (+ 92)

The steps may slightly vary depending on the car design.

## REPLACEMENT: FUEL FILTER – BMW X3 E83. LIST OF THE TOOLS YOU'LL NEED:



- Drive socket # 10
- Torx bit T20
- Ratchet wrench
- Flat Screwdriver
- Fluid container

**BUY TOOLS**

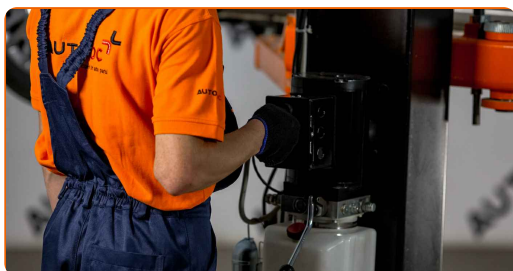
### Replacement: fuel filter – BMW X3 E83. Tip from AUTODOC:

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

## REPLACEMENT: FUEL FILTER – BMW X3 E83. TAKE THE FOLLOWING STEPS:

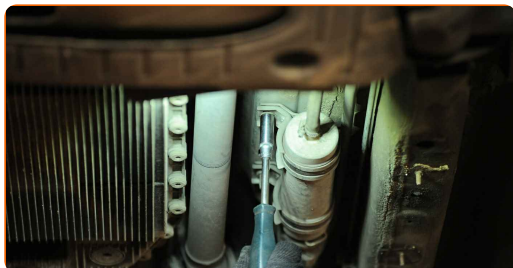
1

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



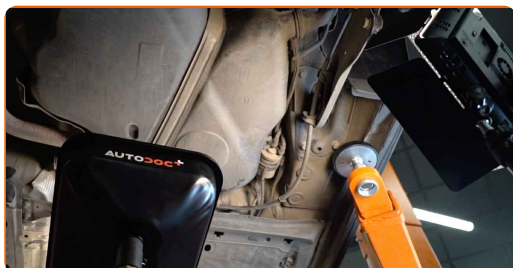
2

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



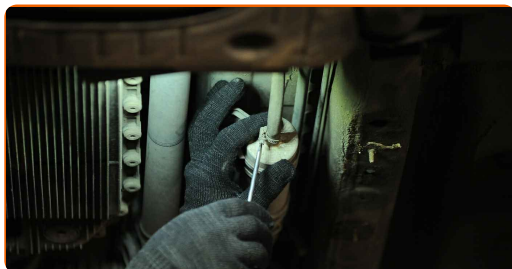
3

Prepare a container for fluids.



4

Loosen the fastening clamp of the fuel filter pipe. Use a flat screwdriver.



Replacement: fuel filter – BMW X3 E83. AUTODOC recommends:

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

5

Disconnect the pipe from the fuel filter.



6

Remove the spring clip that holds the fuel line in place. Use a flat screwdriver.



7

Remove the fuel filter.

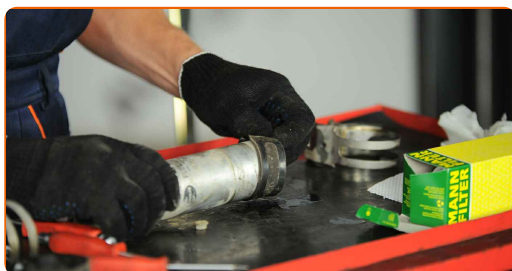


**8**

Unscrew the fastener of the fuel filter holder. Use Torx T20. Use a ratchet wrench.


**9**

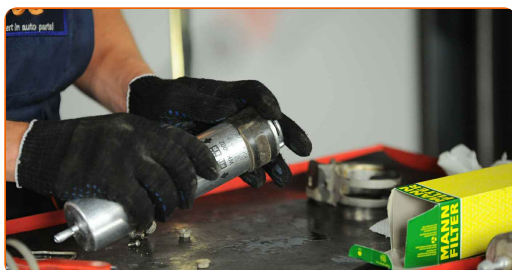
Take the fuel filter out of the bracket.


**10**

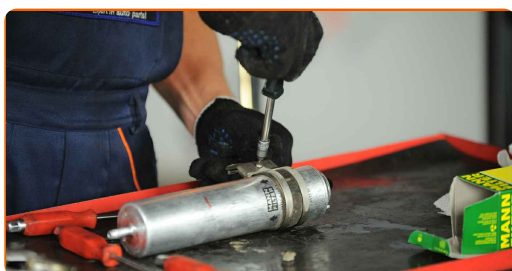
Install the rubber strip. Use a flat screwdriver.


**11**

Fasten the fuel filter in the holder.


**12**

Screw in the fastener of the fuel filter bracket. Use Torx T20. Use a ratchet wrench. Use a flat screwdriver.

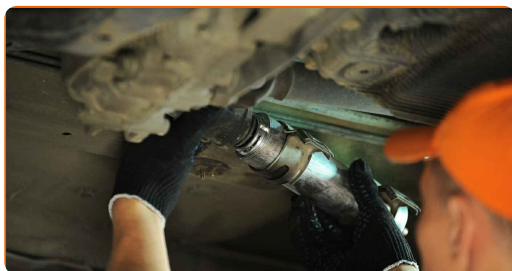


### Replacement: fuel filter – BMW X3 E83. Professionals recommend:

- 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.
- Take care to only use quality filters.

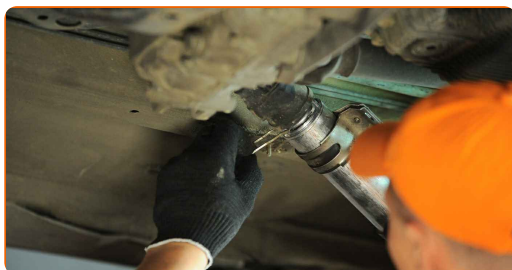
13

Install a new fuel filter.



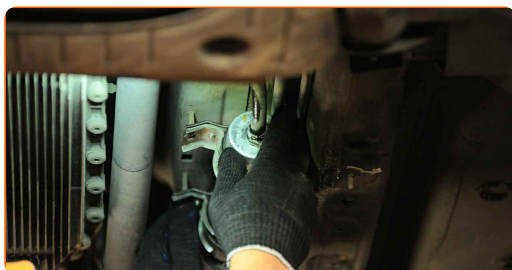
14

Reinstall the spring clip that holds the fuel line in place.



15

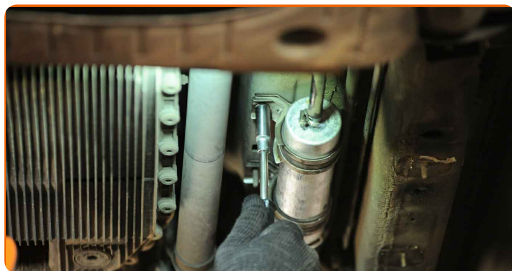
Attach the pipe to the fuel filter.





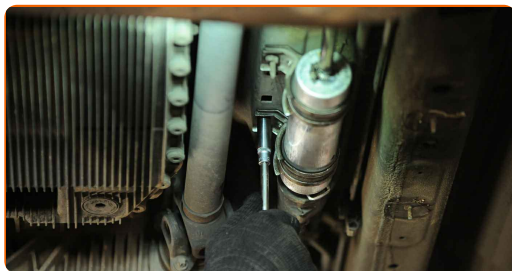
16

Tighten the fastening clamp of the fuel filter pipe. Use a flat screwdriver.



17

Screw in the fuel filter mounting bracket. Use a drive socket #10. Use a ratchet wrench.

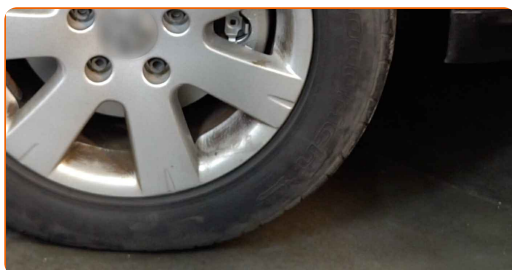


18

Take the fluid container away from under the fuel filter.

19

Lower the car.



Replacement: fuel filter – BMW X3 E83. AUTODOC experts 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.



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



- 21 Shut off the engine.

Replacement: fuel filter – BMW X3 E83. Tip from AUTODOC:

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

**WELL DONE!** 

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