



How to change fuel filter
on **BMW X5 E53** –
replacement guide

VIDEO TUTORIAL



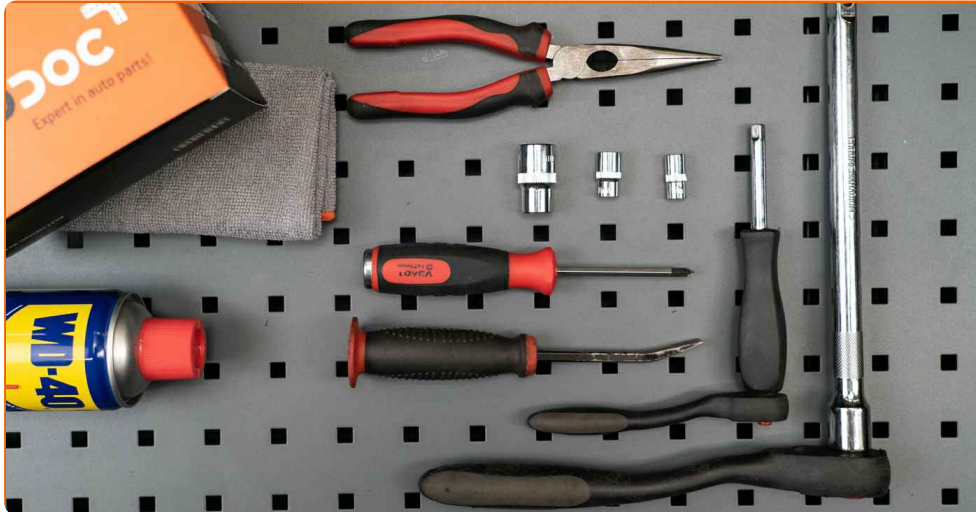
Important!

This replacement procedure can be used for:

BMW 7 (E38) 740i / iL 4.0, BMW 7 (E38) 735i / iL 3.5, BMW 5 Saloon (E39) 540i 4.4, BMW 5 Saloon (E39) 535i 3.5, BMW 5 Touring (E39) 540i 4.4, BMW X5 (E53) 4.4 i, BMW X5 (E53) 3.0 i, BMW 5 Saloon (E39) 520i 2.2, BMW 5 Touring (E39) 520i 2.2, BMW 5 Saloon (E39) 525i 2.5, BMW 5 Saloon (E39) 530i 3.0, BMW 5 Touring (E39) 525i 2.5, BMW 5 Touring (E39) 530i 3.0, BMW X5 (E53) 4.6 is

The steps may slightly vary depending on the car design.

REPLACEMENT: FUEL FILTER – BMW X5 E53. TOOLS YOU'LL NEED:



- WD-40 spray
- Drive socket # 8
- Drive socket # 7
- Drive socket # 12
- Ratchet wrench
- Phillips Screwdriver
- Round-nose pliers
- Crow bar
- Fluid container
- Hydraulic transmission jack

BUY TOOLS

Replacement: fuel filter – BMW X5 E53. Professionals recommend:

- Ensure adequate ventilation of the workplace. Fuel vapors are poisonous.
- Warning! Shut down the engine before starting any work – BMW X5 E53

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

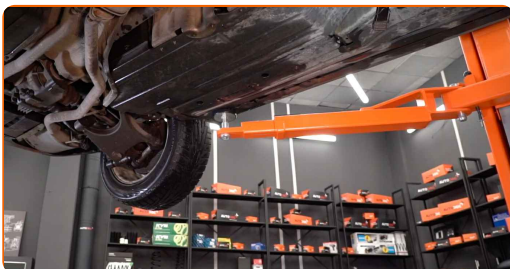
1 Open the fuel door.



2 Unscrew the fuel filler cap.

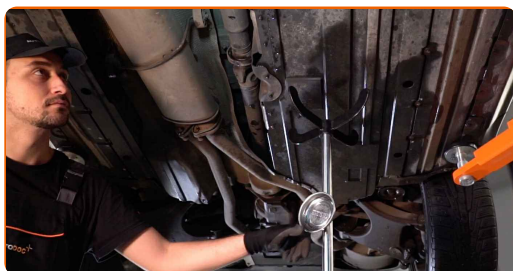


3 Lift the car and set it on jack stands.



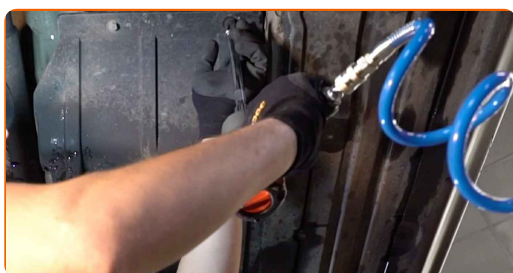
4

Support the underbody panel. Use a hydraulic transmission jack.



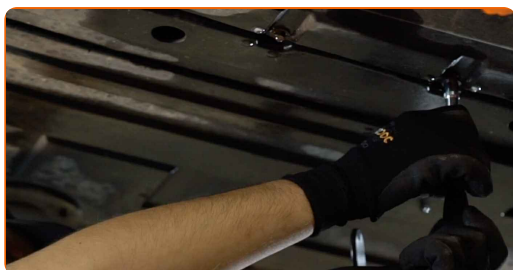
5

Unscrew fixing bolts of the protective cover. Use a drive socket #12.



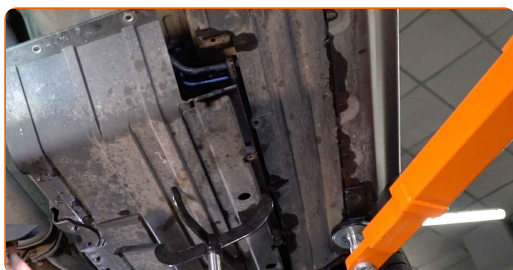
6

Unscrew the heat insulation fasteners. Use a drive socket #8. Use a ratchet wrench.



7

Remove the protective cover. Use a crowbar.



8 Lower the hydraulic transmission jack by 10-15 cm.



AUTODOC recommends:

- Replacement: fuel filter – BMW X5 E53. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

9 Loosen the fuel filter mounting. Use a Phillips screwdriver.



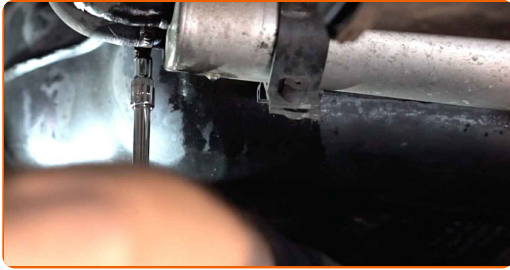
10 Prepare a container for fluids.



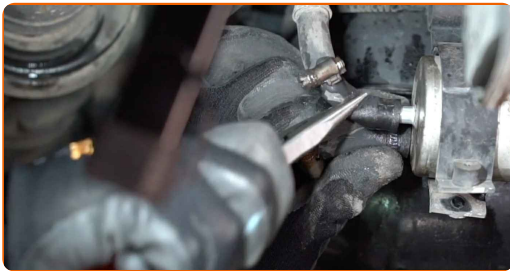
11 Treat the fasteners attaching the tubes to the fuel filter. Use WD-40 spray.



12 Loosen the fuel filter clamps. Use a drive socket #7. Use a ratchet wrench.



13 Disconnect the fuel supply lines from the fuel filter. Use round-nose pliers.



Replacement: fuel filter – BMW X5 E53. Tip:

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

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



15 Install a new fuel filter.

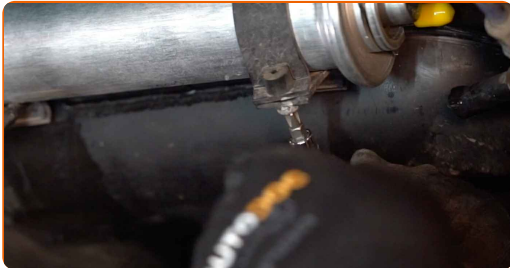


AUTODOC recommends:

- 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.
- Attention! Use quality filters – BMW X5 E53.

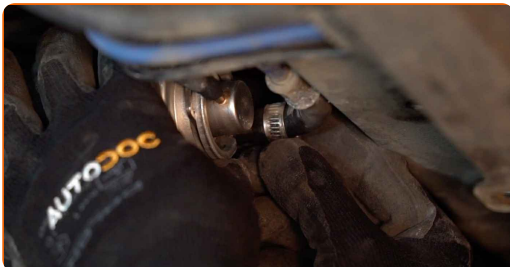
16

Tighten the fuel filter fasteners. Use a Phillips screwdriver.



17

Connect the fuel supply lines to the fuel filter.



18

Tighten the fuel supply line fastening. Use a drive socket #7. Use a ratchet wrench.



19

Take the fluid container away from under the fuel filter.



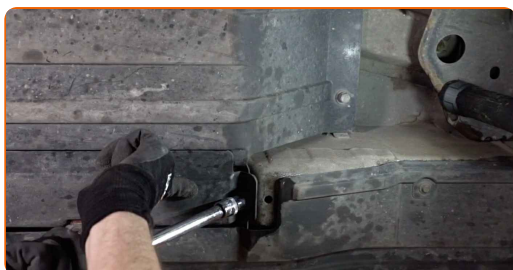
20

Install the protective cover.



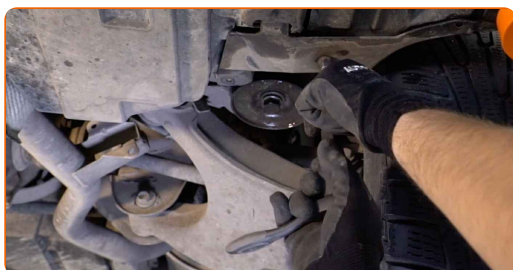
21

Tighten fixing bolts of the protective cover. Use a drive socket #12. Use a ratchet wrench.

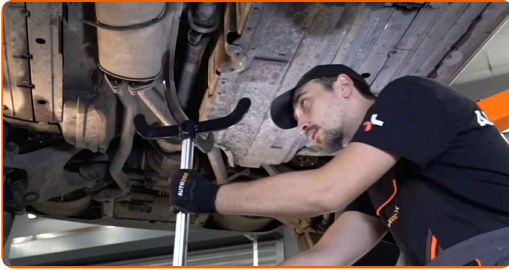


22

Screw in the heat insulation fasteners. Use a drive socket #8. Use a ratchet wrench.



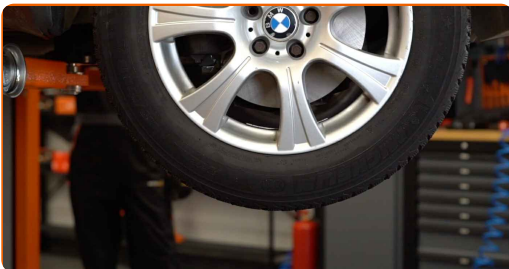
23 Remove the support from under the underbody panel.



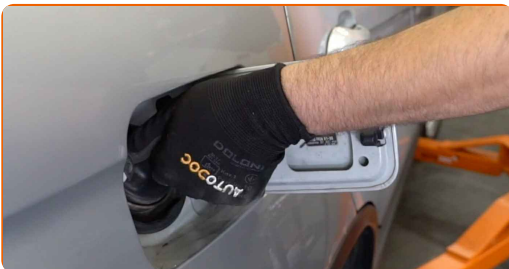
Replacement: fuel filter – BMW X5 E53. AUTODOC recommends:

- Lower the hydraulic transmission jack smoothly, without jerks, to avoid damaging assemblies and mechanisms.

24 Lower the car.



25 Tighten the fuel filler cap.



26 Close the fuel door.



AUTODOC recommends:

- 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.

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.

Replacement: fuel filter – BMW X5 E53. Tip from AUTODOC experts:

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

WELL DONE! 👍

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