



How to change fuel filter  
on **BMW E46 touring** –  
replacement guide

## VIDEO TUTORIAL

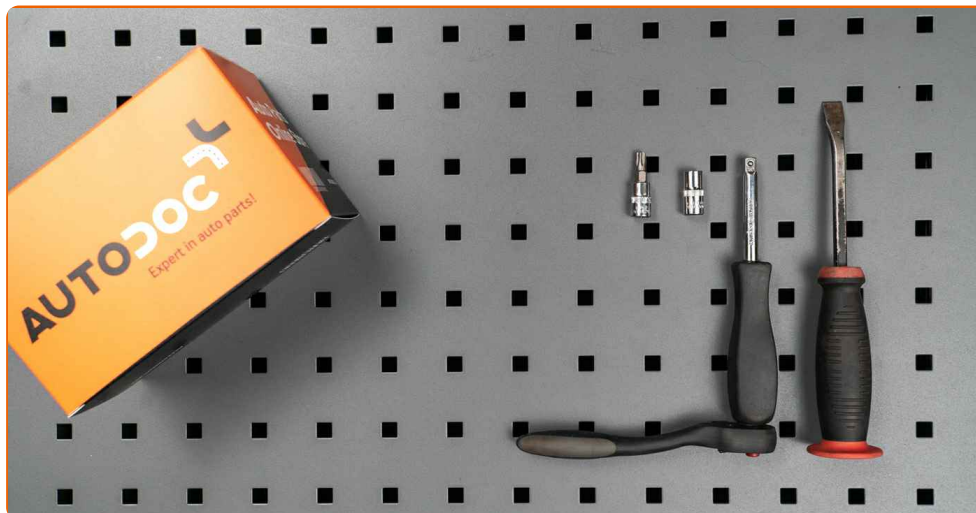
** Important!**

This replacement procedure can be used for:

BMW 3 Compact (E46) 320td 2.0, BMW 3 Saloon (E46) 320d 2.0, BMW 3 Touring (E46) 320d 2.0, BMW 3 Coupe (E46) 330Cd 3.0, BMW 3 Coupe (E46) 320Cd 2.0, BMW 3 Compact (E46) 318td 2.0, BMW 3 Saloon (E46) 330d 3.0, BMW 3 Convertible (E46) 320Cd 2.0, BMW 3 Saloon (E46) 318d 2.0, BMW 3 Touring (E46) 318d 2.0, BMW 3 Convertible (E46) 330Cd 3.0

The steps may slightly vary depending on the car design.

REPLACEMENT: FUEL FILTER – BMW E46 TOURING.  
LIST OF THE TOOLS YOU'LL NEED:



- Torx bit T30
- Drive socket # 7
- Crow bar
- Ratchet wrench
- Fender cover

**BUY TOOLS**

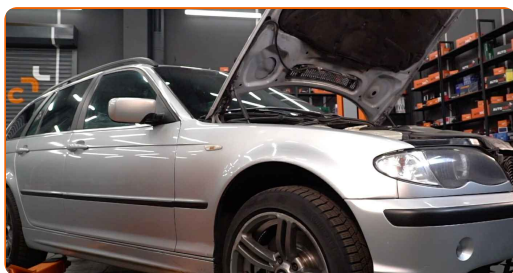
Replacement: fuel filter – BMW E46 touring. AUTODOC experts recommend:

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

## REPLACEMENT: FUEL FILTER – BMW E46 TOURING. TAKE THE FOLLOWING STEPS:

1

Open the bonnet.



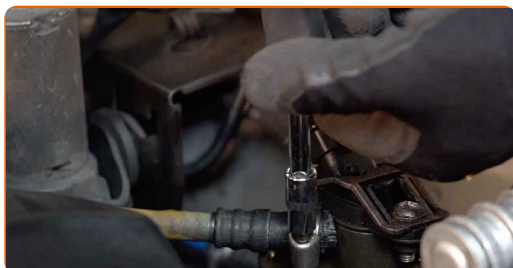
2

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

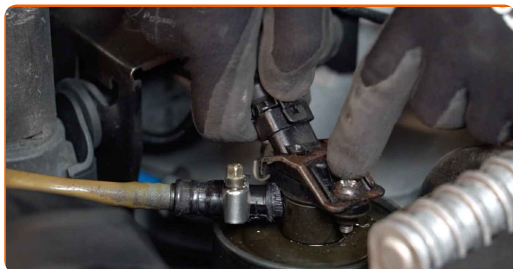


3

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



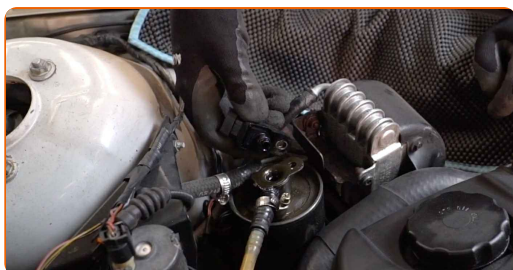
**4** Detach the fuel pressure sensor connector.



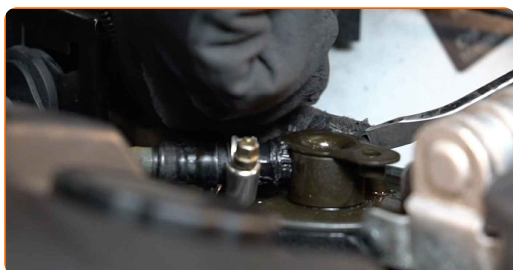
**5** Unscrew the fastener of the fuel pressure sensor. Use Torx T30.



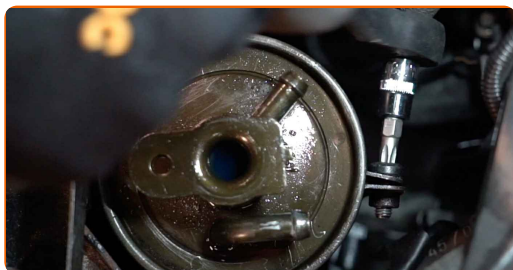
**6** Remove the fuel pressure sensor.



**7** Detach the tubes from the fuel filter. Use a crowbar.



**8** Loosen the fuel filter mounting. Use Torx T30. Use a ratchet wrench.



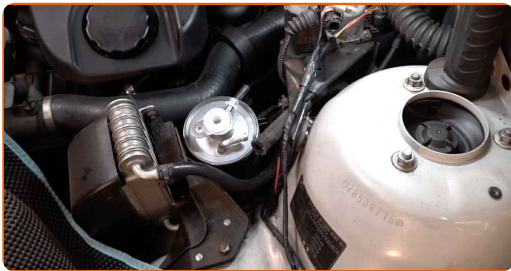
9

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



10

Install a new fuel filter.



Replacement: fuel filter – BMW E46 touring. AUTODOC experts recommend:

- During installation, take care to prevent dust and dirt from getting into the fuel filter housing.
- Take care to only use quality filters.

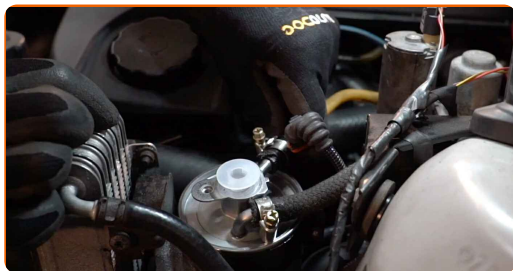
11

Tighten the fuel filter fasteners. Use Torx T30. Use a ratchet wrench.

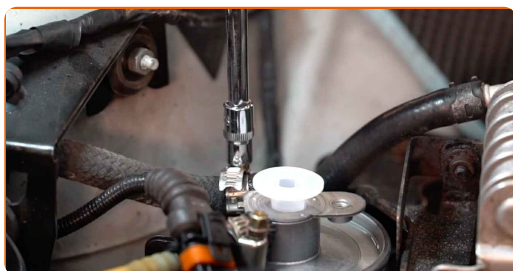




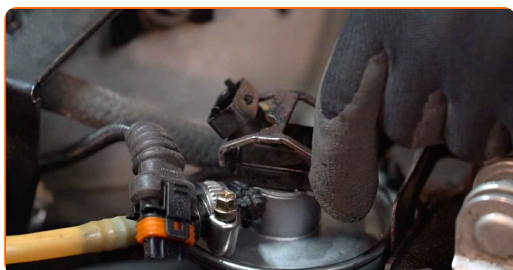
**12** Attach the tubes to the fuel filter.



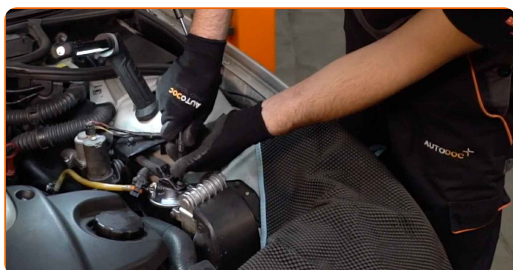
**13** Tighten the fastening clamps of the fuel filter pipes. Use a drive socket #7.



**14** Install the fuel pressure sensor.



**15** Screw the fastener of the fuel pressure sensor. Use Torx T30.



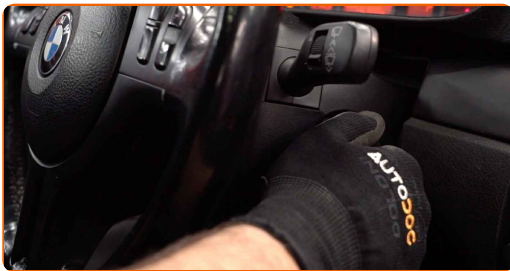
**16** Attach the fuel pressure sensor connector.



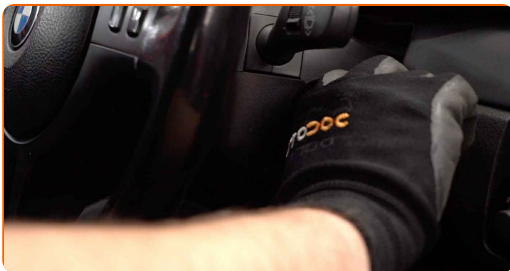
Replacement: fuel filter – BMW E46 touring. AUTODOC recommends:

- 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.

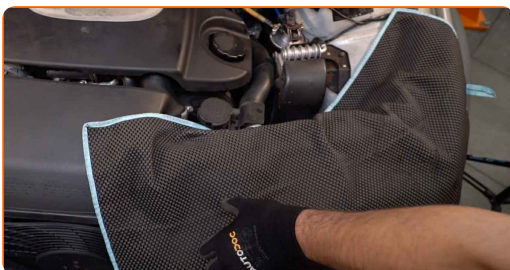
**17** Run the engine for a few minutes. This is necessary in order to make sure that the component operates properly.



**18** Shut off the engine.



**19** Remove the fender protection cover.





20

Close the hood.



**WELL DONE!** 

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