

VIDEO TUTORIAL



Important!

This replacement procedure can be used for:

BMW X3 (E83) xDrive 30 d, BMW 7 (E65, E66, E67) 730d 3.0, BMW 3 Coupe (E46) 330Cd 3.0, BMW 5 Saloon (E60) 530d 3.0, BMW 3 Saloon (E46) 330d 3.0, BMW 3 Saloon (E46) 330xd 3.0, BMW 3 Touring (E46) 330d 3.0, BMW 3 Touring (E46) 330xd 3.0, BMW X5 (E53) 3.0 d, BMW 5 Touring (E61) 530d 3.0, BMW X3 (E83) 3.0 d, BMW 5 Saloon (E60) 525d 2.5, BMW 5 Touring (E61) 525d 2.5, BMW 5 Saloon (E60) 535d 3.0, BMW 5 Touring (E61) 535d 3.0, (+ 36)

The steps may slightly vary depending on the car design.

REPLACEMENT: ENGINE OIL AND FILTER – BMW E60. TOOLS YOU MIGHT NEED:



- Wire brush
- All-purpose cleaning spray
- Drive socket # 17
- Drive socket # 32
- Tap wrench
- Ratchet wrench
- Torque wrench
- Oil drain pan
- Funnel
- Flat Screwdriver
- Fender cover

BUY TOOLS

Replacement: engine oil and filter – BMW E60. Tip from AUTODOC experts:

- Replace the oil filter every time when changing motor oil.
- Wear gloves to prevent contact with hot liquid.
- Please note: all work on the car – BMW E60 – should be done with the engine switched off.

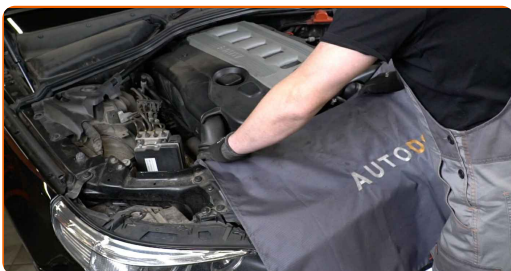
CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1

Open the hood.

**2**

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

**3**

Unscrew the oil filler plug.



4

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

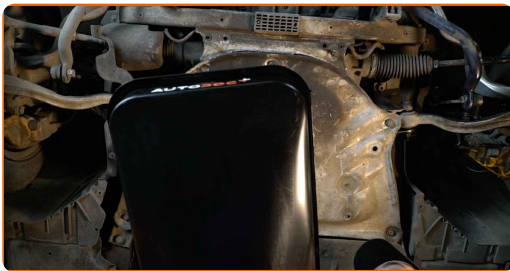


Replacement: engine oil and filter – BMW E60. AUTODOC experts recommend:

- The vehicle must be on even keel, and if it is at an angle, the drain plug must be at the lowest point.

5

Put a waste oil container with at least 8 l capacity under the drainage hole.



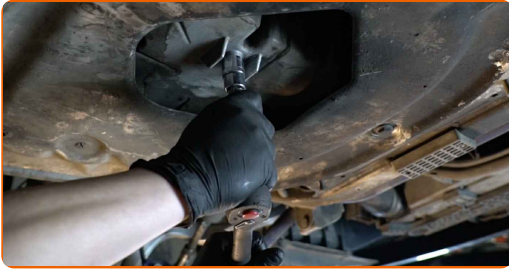
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Clean the area of the oil pan drainage hole. Use a wire brush. Use all-purpose cleaning spray.



7

Unscrew the drain plug. Use a drive socket #17. Use a tap wrench.



8

Drain the used oil.



Replacement: engine oil and filter – BMW E60. Tip from AUTODOC experts:

- Caution! The oil may be hot.
- Wait until the oil has completely drained from the drainage hole.

9

Clean the oil filter housing cap. Use all-purpose cleaning spray.



- 10 Unscrew the filter housing cap together with the old filter element. Use a drive socket #32. Use a ratchet wrench.



- 11 Prepare a container for the old oil filter.



- 12 Put the old oil filter in the container.



Replacement: engine oil and filter – BMW E60. AUTODOC recommends:

- Move up the container. The oil starts to drain out of the drainage hole immediately after you have removed the oil filter.

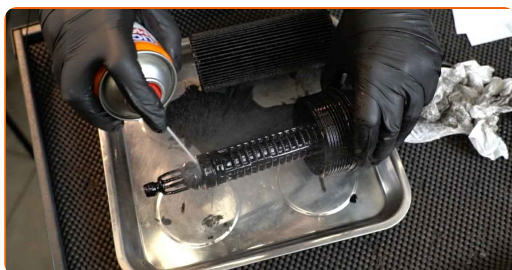
- 13** Detach the oil filter from the filter cover.



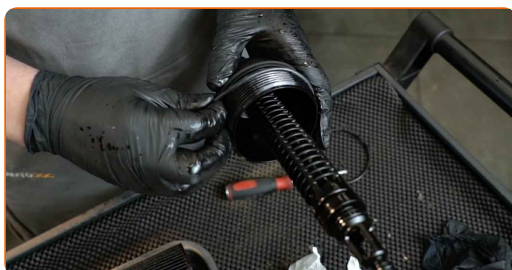
- 14** Remove the oil filter cover O-ring. Use a flat screwdriver.



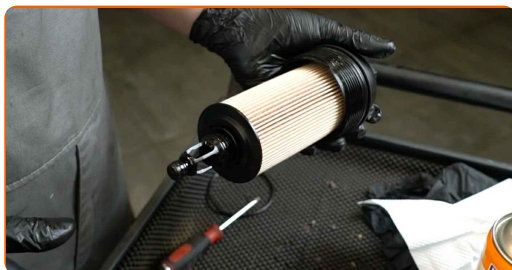
- 15** Clean the oil filter housing cap. Use all-purpose cleaning spray.



- 16** Install a new O-ring to its mounting seat on the filter cover.



- 17** Install the new oil filter to the mounting seat on the filter cover.

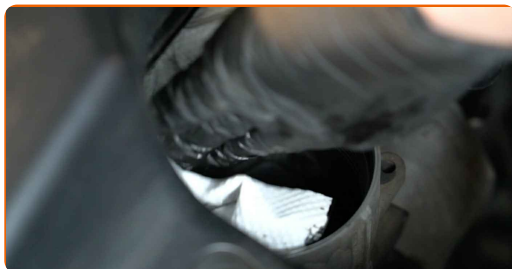


Please note!

- Make sure to install the filter correctly. Don't mix up the sides of the part.

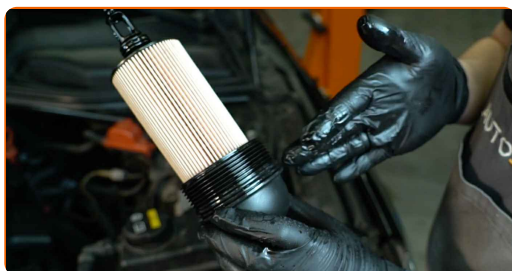
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Clean the oil filter seat.



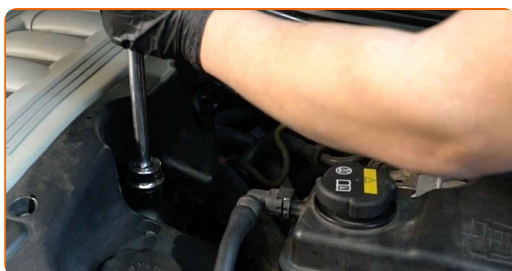
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Lubricate the rubber seal of the new filter with a little amount of fresh oil.



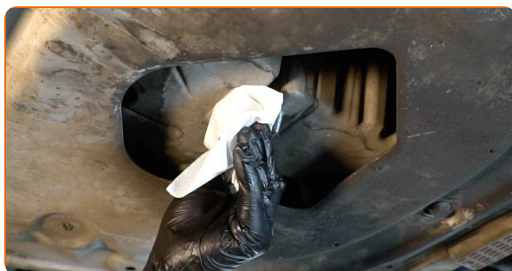
20

Install a new oil filter housing cover and tighten it. Use a drive socket #32. Use a torque wrench. Tighten it to 25 Nm torque.

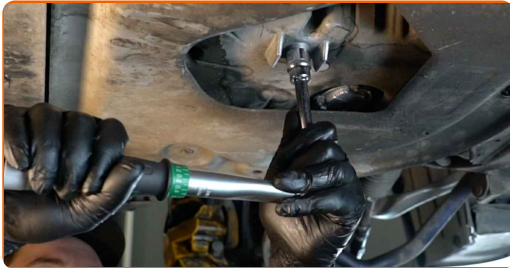


21

Clean the area of the oil pan drainage hole.



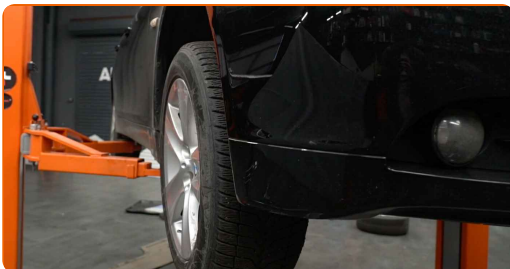
- 22** Screw in the new drainage plug and tighten it. Use a drive socket #17. Use a torque wrench. Tighten it to 25 Nm torque.



- 23** Clean the area of the oil pan drainage hole. Use all-purpose cleaning spray.



- 24** Lower the car.



- 25** Remove the oil filler cap.



- 26** Insert the funnel.



27

Pour oil into the engine through the filler. Required amount of oil: 7.7 L.



Replacement: engine oil and filter – BMW E60. Professionals recommend:

- Use the oil recommended by the manufacturer.

28

Check the oil level using the dipstick. Top up oil if necessary.



Please note!

- The oil level should be between the Min and Max marks.

29

Install the oil filler cap.

