

VIDEO TUTORIAL



Important!

This replacement procedure can be used for:

BMW 3 Saloon (E36) 320i 2.0, BMW 3 Coupe (E36) 320i 2.0, BMW 3 Convertible (E36) 320i 2.0, BMW 3 Touring (E36) 320i 2.0, BMW 3 Touring (E36) 328i 2.8, BMW 3 Saloon (E36) 328i 2.8, BMW 3 Saloon (E36) 323i 2.5, BMW 3 Coupe (E36) 328i 2.8, BMW 3 Convertible (E36) 328i 2.8, BMW 5 Saloon (E39) 523i 2.5, BMW 5 Saloon (E39) 528i 2.8, BMW 3 Convertible (E36) 323i 2.5, BMW 3 Coupe (E36) 323i 2.5, BMW 3 Touring (E36) 323i 2.5, BMW 7 (E38) 728i / iL 2.8, (+ 58)

The steps may slightly vary depending on the car design.

REPLACEMENT: ENGINE OIL AND FILTER – BMW E39. LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- All-purpose cleaning spray
- Drive socket # 17
- Drive socket # 36
- Ratchet wrench
- Torque wrench
- Tap wrench
- Flat Screwdriver
- Oil drain pan
- Funnel
- Fender cover

BUY TOOLS

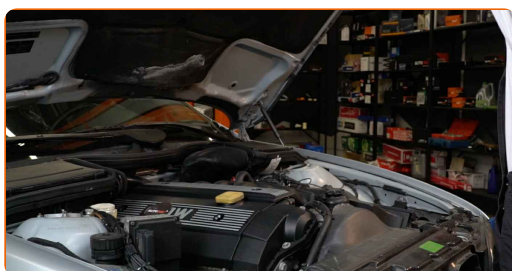
Replacement: engine oil and filter – BMW E39. AUTODOC recommends:

- Replace the oil filter every time when changing motor oil.
- Wear gloves to prevent contact with hot liquid.
- Warning! Shut down the engine before starting any work – BMW E39

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

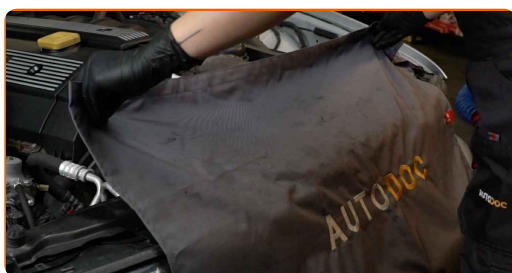
1

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.

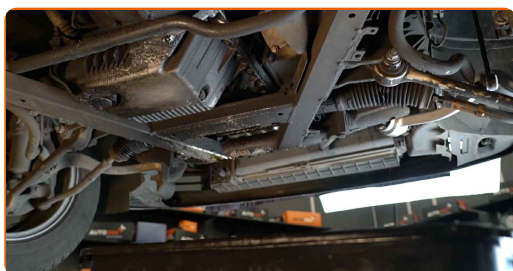


Replacement: engine oil and filter – BMW E39. Professionals recommend:

- 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 7 l capacity under the drainage hole.



6

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



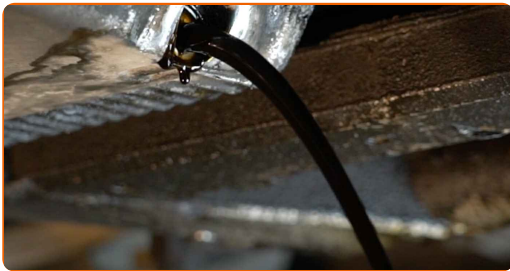
7

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



8

Drain the used oil.

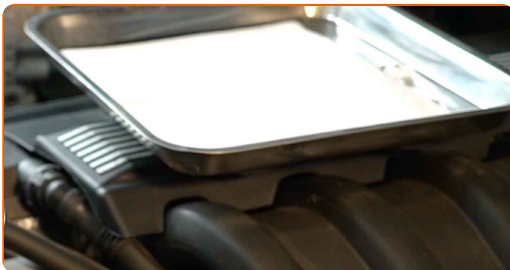


Replacement: engine oil and filter – BMW E39. Tip from AUTODOC experts:

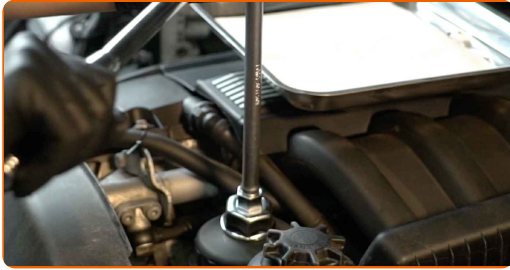
- Caution! The oil may be hot.
- Wait until the oil has completely drained from the drainage hole.

9

Prepare a container for the old oil filter.



- 10 Unscrew the filter housing cap together with the old filter element. Use a drive socket #36. Use a ratchet wrench.



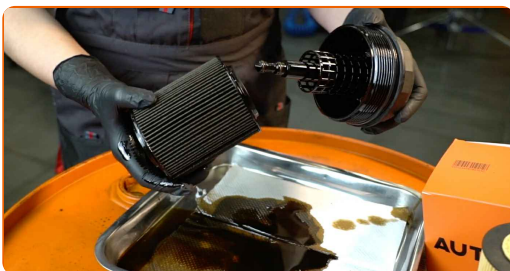
- 11 Put the old oil filter in the container.



Replacement: engine oil and filter – BMW E39. AUTODOC experts recommend:

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

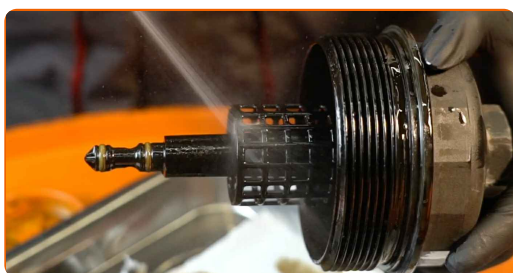
- 12 Detach the oil filter from the filter cover.



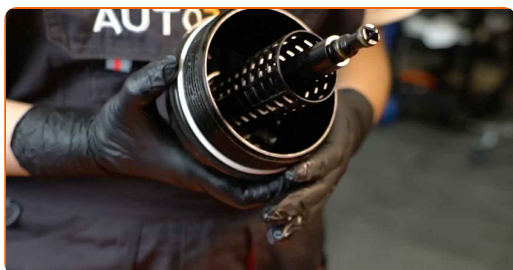
- 13** Remove the oil filter cover O-ring. Use a flat screwdriver.



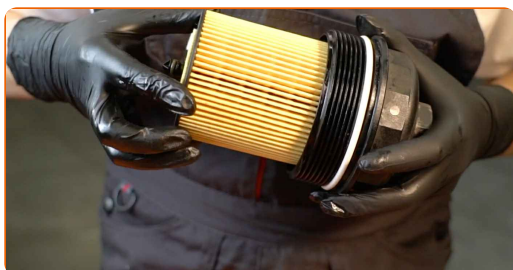
- 14** Clean the oil filter housing cap. Use all-purpose cleaning spray.



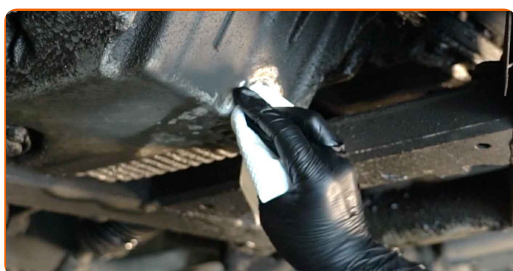
- 15** Install a new O-ring to its mounting seat on the filter cover.



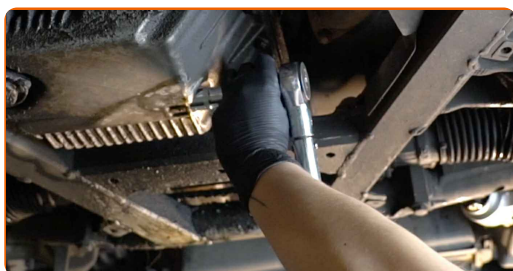
- 16** Install the new oil filter to the mounting seat on the filter cover.



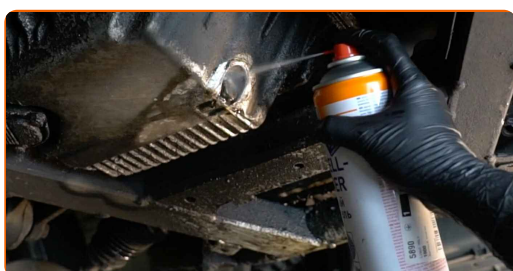
- 17** Clean the area of the oil pan drainage hole.



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



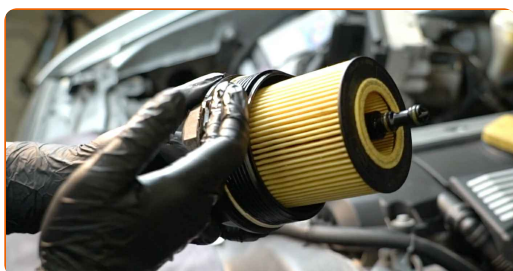
- 19 Clean the area of the oil pan drainage hole. Use all-purpose cleaning spray.



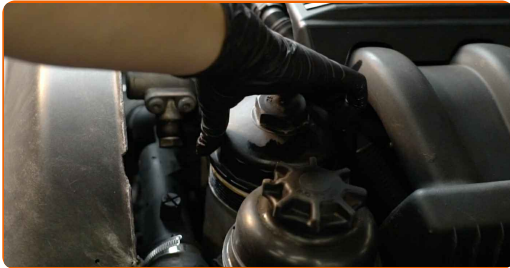
- 20 Lower the car.



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



- 22** Install a new oil filter housing cover and tighten it. Use a drive socket #36. Use a torque wrench. Tighten it to 25 Nm torque.



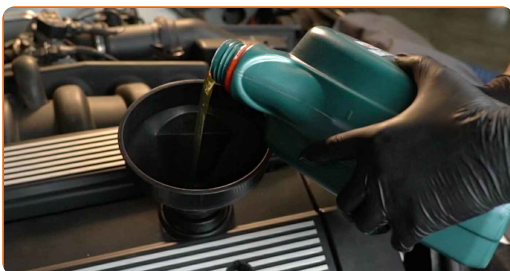
- 23** Remove the oil filler cap.



- 24** Insert the funnel.



- 25** Pour oil into the engine through the filler. Required amount of oil: 6.5 L.

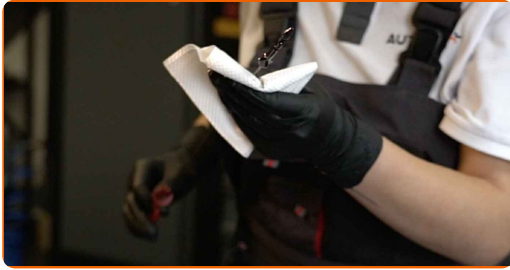


Replacement: engine oil and filter – BMW E39. Tip:

- Use the oil recommended by the manufacturer.

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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.

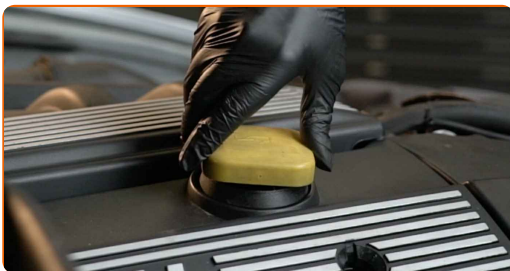
27

Install the oil filler cap.



28

Tighten the oil filler cap.



29

Run the engine for a few minutes. After the oil pressure warning light goes out, stop the engine.

