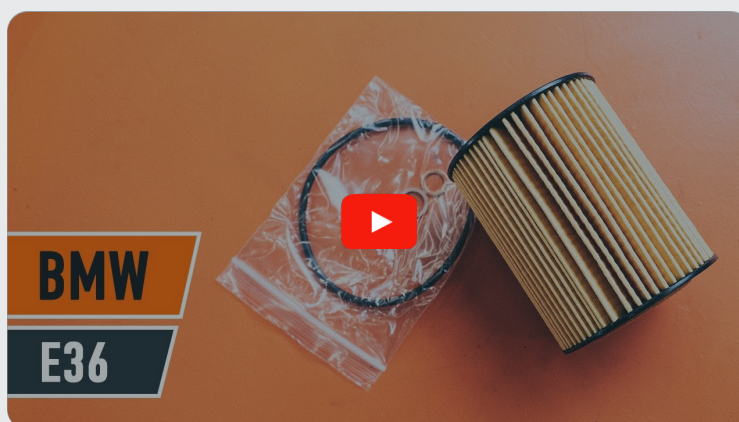


## VIDEO TUTORIAL



### **i 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 Coupe (E36) 328i 2.8, BMW 3 Convertible (E36) 328i 2.8, BMW 5 Saloon (E39) 520i 2.0, 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, (+ 56)

The steps may slightly vary depending on the car design.

## REPLACEMENT: ENGINE OIL AND FILTER – BMW E36. TOOLS YOU MIGHT NEED:



- Wire brush
- All-purpose cleaning spray
- Torque wrench
- Drive socket # 19
- Drive socket # 36
- Ratchet wrench
- Tap wrench
- Flat screwdriver
- Fluid container
- Funnel
- Fender cover

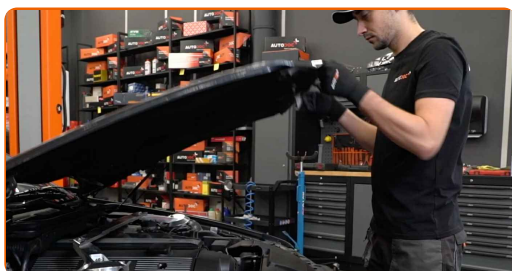
**BUY TOOLS**

### Replacement: engine oil and filter – BMW E36. Tip from AUTODOC:

- 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 E36 – should be done with the engine switched off.

## CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

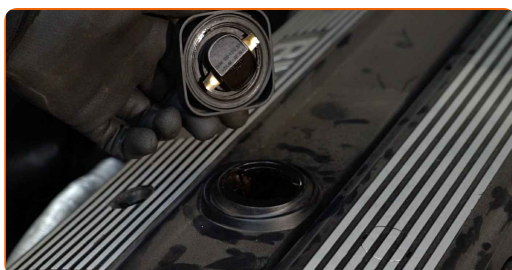
**1** Open the hood.



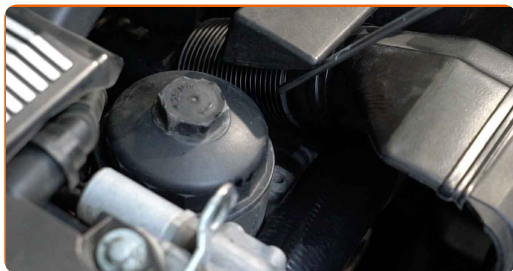
**2** Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.



**3** Unscrew the oil filler plug.



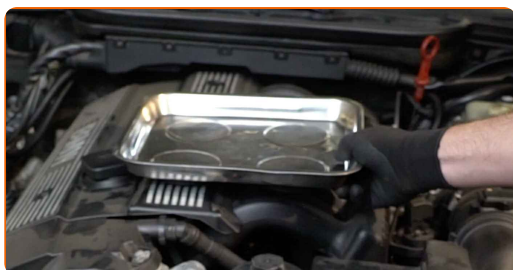
- 4 Clean the oil filter housing cap. Use all-purpose cleaning spray.



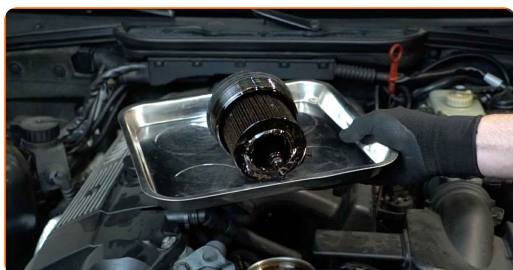
- 5 Unscrew the filter housing cap together with the old filter element. Use a drive socket #36. Use a ratchet wrench.



- 6 Prepare a container for the old oil filter.



- 7 Put the old oil filter in the container.



### AUTODOC recommends:

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

8 Cover the oil filter housing with a microfibre towel to prevent dirt and foreign objects from getting into the system.

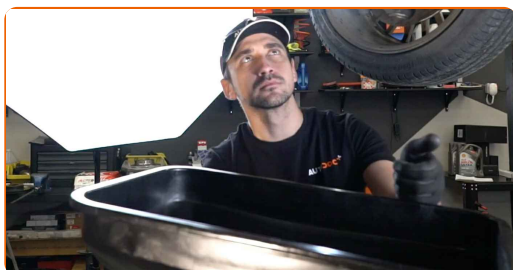
9 Lift the car using a jack or place it over an inspection pit.



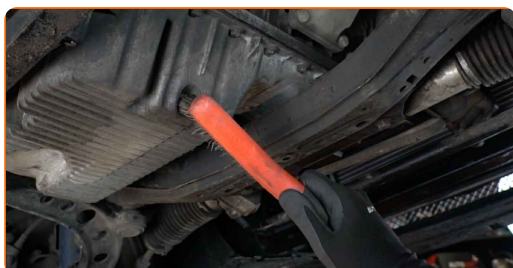
### Replacement: engine oil and filter – BMW E36. Tip:

- The vehicle must be on even keel, and if it is at an angle, the drain plug must be at the lowest point.
- All work should be done with the engine stopped.

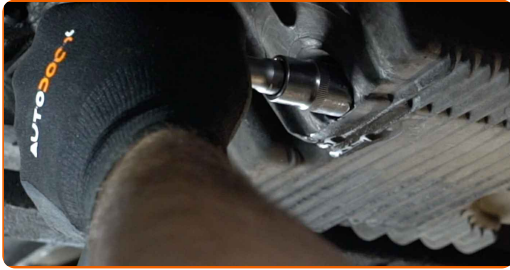
10 Put a waste oil container with at least 7 l capacity under the drainage hole.



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



- 12 Unscrew the drain plug. Use a drive socket #19. Use a tap wrench.



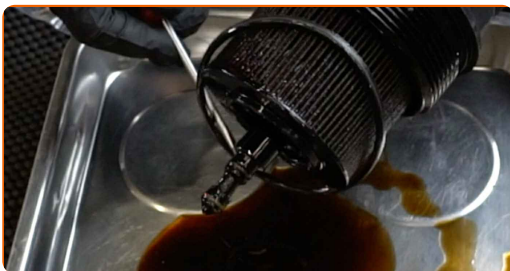
- 13 Drain the used oil.



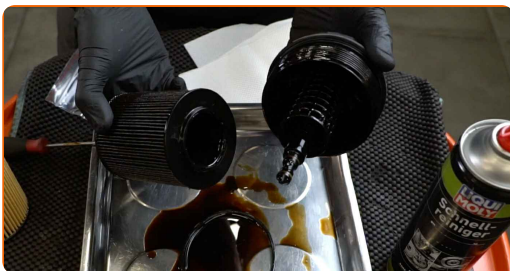
Replacement: engine oil and filter – BMW E36. AUTODOC recommends:

- Caution! The oil may be hot.

- 14 Remove the oil filter cover O-ring.



- 15 Detach the oil filter from the filter cover. Use a flat screwdriver.

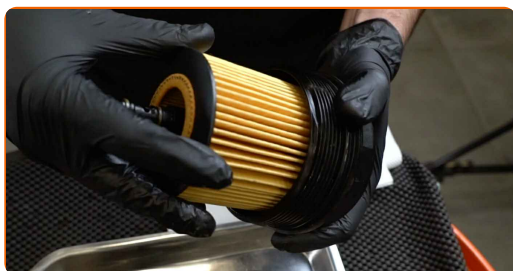




- 16 Clean the oil filter housing cap. Use all-purpose cleaning spray.



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

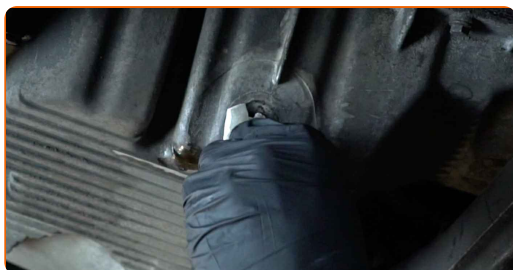


- 18 Install a new O-ring to its mounting seat on the filter cover.

### Please note!

- Make sure to install the filter correctly. Don't mix up the sides of the part.
- Wait until the oil has completely drained from the drainage hole.

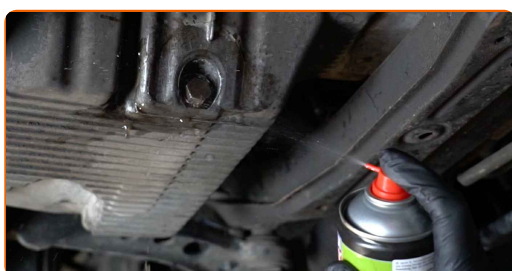
- 19 Clean the area of the oil pan drainage hole.



- 20** Screw in the new drainage plug and tighten it. Use a drive socket #19. Use a torque wrench. Tighten it to 25 Nm torque.



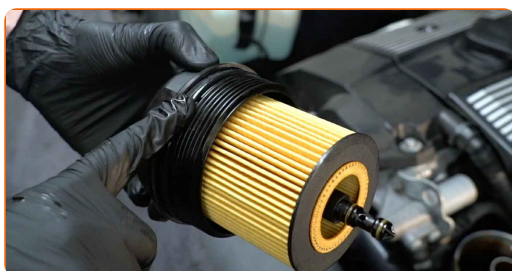
- 21** Clean the area of the oil pan drainage hole. Use all-purpose cleaning spray.



- 22** Lower the car.



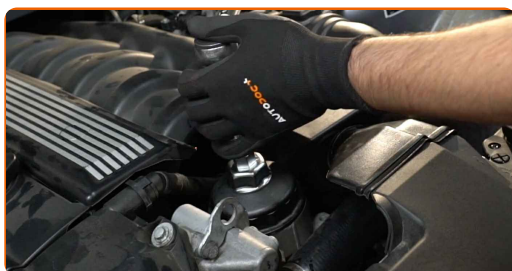
- 23** Lubricate the rubber seal of the new filter with a little amount of fresh oil.



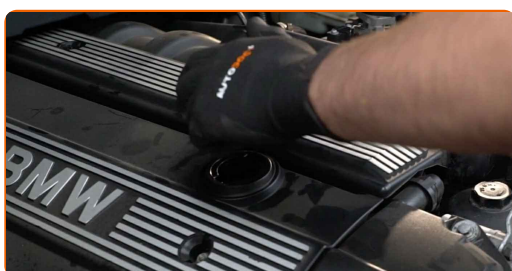
- 24** Remove the microfibre towel from the oil filter housing.



- 25** 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.



- 26** Remove the oil filler cap.



- 27** Insert the funnel.



- 28** Pour oil into the engine through the filler. Required amount of oil: 6,5 l.

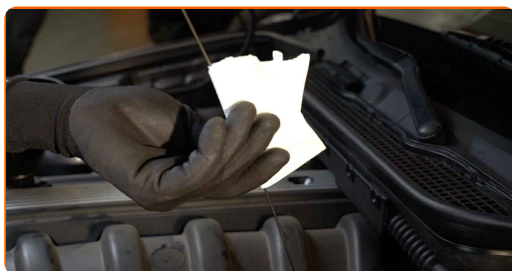


Replacement: engine oil and filter – BMW E36. AUTODOC experts recommend:

- Use the oil recommended by the manufacturer.

29

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

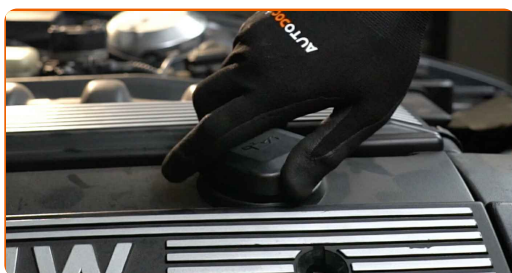


Please note!

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

30

Install the oil filler cap.



31

Tighten the oil filler cap.

32

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

