



How to change engine oil
and filter on **VOLVO V40**
Estate (VW, 645) –
replacement guide

SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

Important!

This replacement procedure can be used for:

VOLVO V40 Estate (VW, 645) 1.8, VOLVO V40 Estate (VW, 645) 2.0, VOLVO V40 Estate (VW, 645) 1.6, VOLVO V40 Estate (VW, 645) 1.9 T4, VOLVO V40 Estate (VW, 645) 2.0 T, VOLVO V40 Estate (VW, 645) 2.0 T4, VOLVO V40 Estate (VW, 645) 1.8 Bi-Fuel, VOLVO V40 Estate (VW, 645) 1.9, VOLVO V40 Estate (VW, 645) 1.8 LPG

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: VOLVO V70 II (SW, 285) 2.0 T

REPLACEMENT: ENGINE OIL AND FILTER – VOLVO V40 ESTATE (VW, 645). TOOLS YOU NEED:



- Wire brush
- All-purpose cleaning spray
- Combination spanner #15
- Drive socket # 15
- Oil filter cup socket 86-14F
- Ratchet wrench
- Torque wrench
- Oil drain pan
- Funnel
- Flat Screwdriver
- Fender cover

Buy tools

Replacement: engine oil and filter – VOLVO V40 Estate (VW, 645). Tip from AUTODOC:

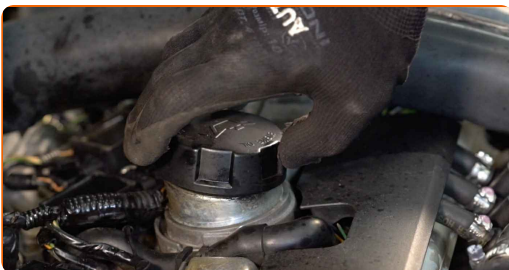
- Replace the oil filter every time when changing motor oil.
- Wear gloves to prevent contact with hot liquid.
- All work should be done with the engine stopped.

REPLACEMENT: ENGINE OIL AND FILTER – VOLVO V40 ESTATE (VW, 645). USE THE FOLLOWING PROCEDURE:

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 – VOLVO V40 Estate (VW, 645). 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.

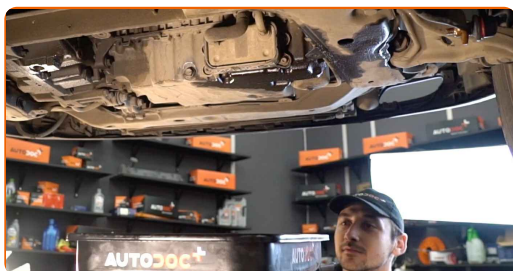
5

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



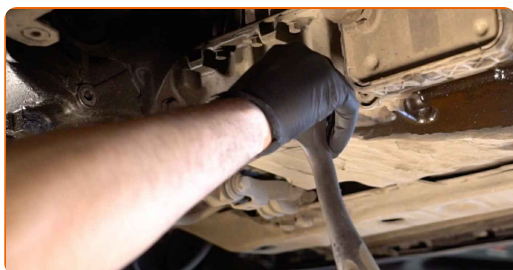
6

Put a waste oil container with at least 5 l capacity under the drainage hole.



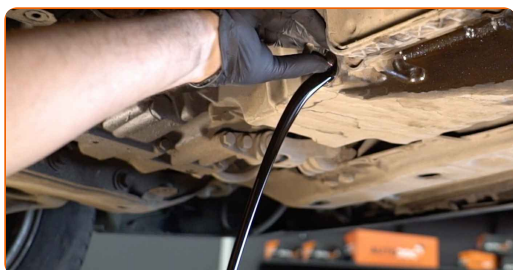
7

Unscrew the drain plug. Use a combination spanner #15. Use a drive socket #15. Use a ratchet wrench.



8

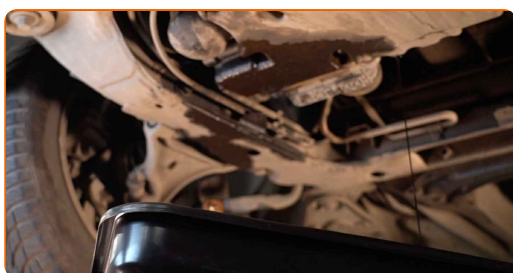
Drain the used oil.



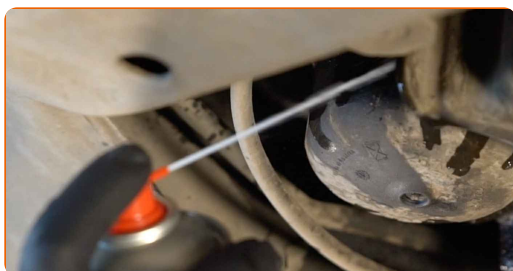
Replacement: engine oil and filter – VOLVO V40 Estate (VW, 645).
Professionals recommend:

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

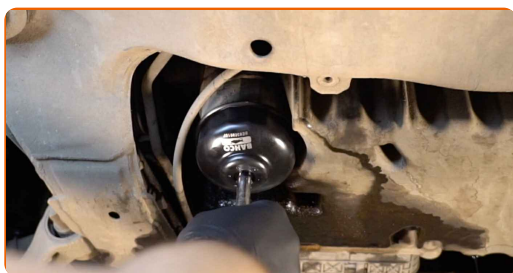
9 Move the container under the oil filter.



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



11 Unscrew the oil filter. Use the 86/14-F socket.



12 Prepare a container for the old oil filter.

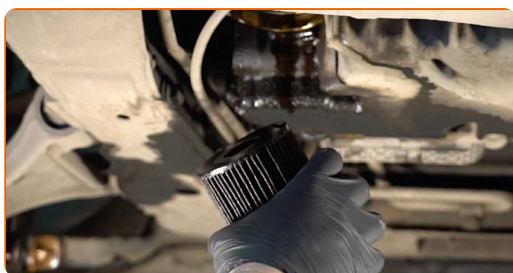
13 Put the old oil filter in the container.



Replacement: engine oil and filter – VOLVO V40 Estate (VW, 645). Tip from AUTODOC experts:

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

14 Detach the oil filter from the filter cover.



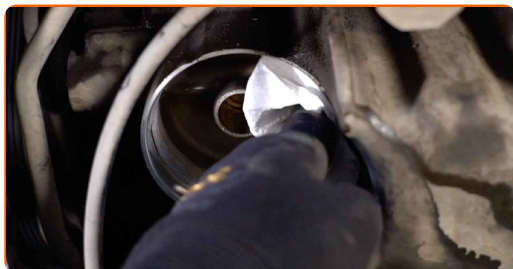
15 Remove the oil filter cover O-ring. Use a flat screwdriver.



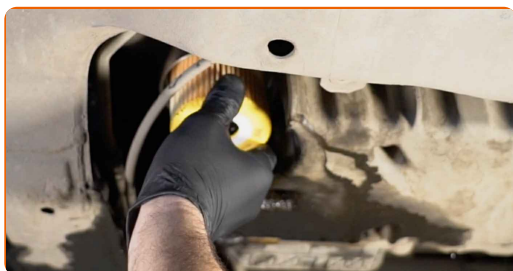
16 Install a new O-ring to its mounting seat on the filter cover.



17 Clean the oil filter seat.



18 Install the new oil filter to the mounting seat on the filter cover.



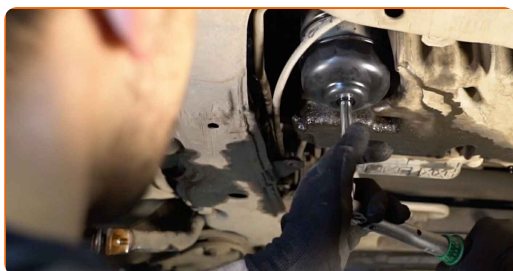
Please note!

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

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



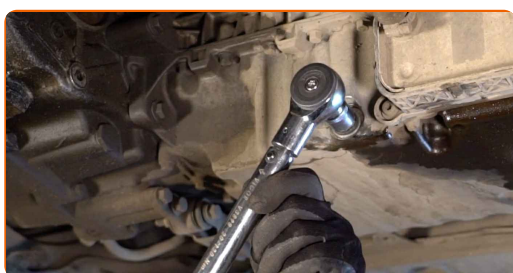
20 Screw the new filter into its place. Use the 86/14-F socket. Use a torque wrench. Tighten it to 25 nm torque.



21 Clean the area of the oil pan drainage hole.



22 Screw in the new drainage plug and tighten it. Use a drive socket #15. Use a torque wrench. Tighten it to 38 nm torque.



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



24 Lower the car.

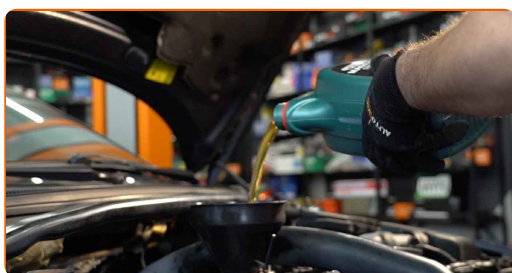
25 Remove the oil filler cap.



26 Insert the funnel.



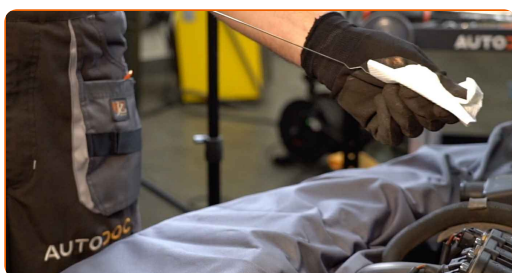
27 Pour new oil into the engine in the amount recommended by the car manufacturer.



Replacement: engine oil and filter – VOLVO V40 Estate (VW, 645). Tip from AUTODOC:

- Use the oil recommended by the manufacturer.

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

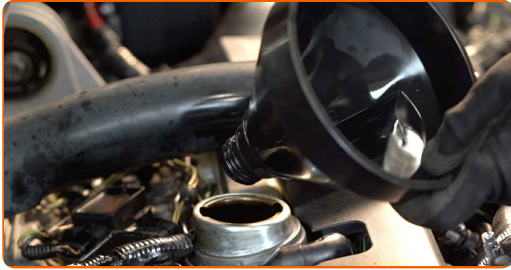


Please note!

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

29

Install the oil filler cap.



30

Tighten the oil filler cap.

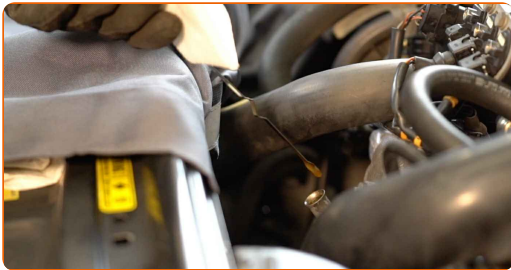


31

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

32

Check the oil level 5 minutes after the stop of the engine operation using a dipstick and add oil if necessary.



Replacement: engine oil and filter – VOLVO V40 Estate (VW, 645). AUTODOC recommends:

- The oil level should be between the Min and Max marks.
- Make sure that the oil filler cap is properly tightened.
- Check the threaded plug of the drainage hole and the oil filter seal for tightness. If necessary, carefully tighten them up.

33 Remove the fender protection cover.

34 Close the hood.

Replacement: engine oil and filter – VOLVO V40 Estate (VW, 645). AUTODOC experts recommend:

- Note that oil pressure warning light, which indicates insufficient pressure in the lubrication system, may be on for a longer time than usual. After a few seconds, the oil will fill all the channels, and the light will go out.
- To protect the environment from pollution, be sure to dispose of the used filters at special collection points.

WELL DONE! 

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