



How to change engine oil  
and filter on **VW**  
**California T5 Minibus**  
**(7EC, 7EF, 7EG, 7HF)** –  
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:

VW California T5 Minibus (7EC, 7EF, 7EG, 7HF) 2.0 TDI, VW California T5 Minibus (7EC, 7EF, 7EG, 7HF) 2.0 TDI 4motion

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: VW Passat Saloon (362) 2.0 TDI

**REPLACEMENT: ENGINE OIL AND FILTER – VW CALIFORNIA T5 MINIBUS (7EC, 7EF, 7EG, 7HF). TOOLS YOU MIGHT NEED:**



- Wire brush
- All-purpose cleaning spray
- Torque wrench
- Drive socket # 19
- Drive socket # 30
- Torx bit T30
- Ratchet wrench
- Flat screwdriver
- Funnel
- Oil drain pan
- Fender cover

**Buy tools**

Replacement: engine oil and filter – VW California T5 Minibus (7EC, 7EF, 7EG, 7HF). 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 – VW California T5 Minibus (7EC, 7EF, 7EG, 7HF) – should be done with the engine switched off.

## CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

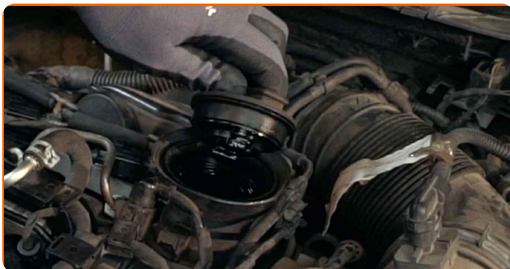
**1** Open the hood.

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

**3** Unscrew the bracket for the engine pipes. Use Torx T30. Use a ratchet wrench.



**4** Unscrew the oil filler plug.



**5** Pull up the oil dipstick.



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



**7** Unscrew the filter housing cap together with the old filter element. Use a drive socket #30. Use a ratchet wrench.



**8** Prepare a container for the old oil filter.



**9** Put the old oil filter in the container.



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

Replacement: engine oil and filter – VW California T5 Minibus (7EC, 7EF, 7EG, 7HF). 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.
- All work should be done with the engine stopped.

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



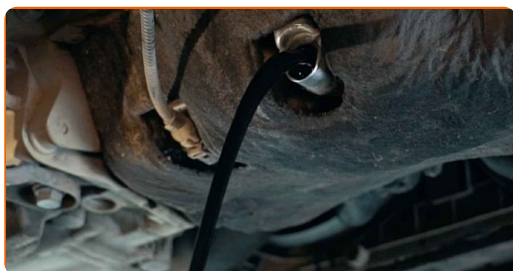
**12** Clean the area of the oil pan drainage hole. Use a wire brush. Use all-purpose cleaning spray.



**13** Unscrew the drain plug. Use a drive socket #19. Use a ratchet wrench.



**14** Drain the used oil.



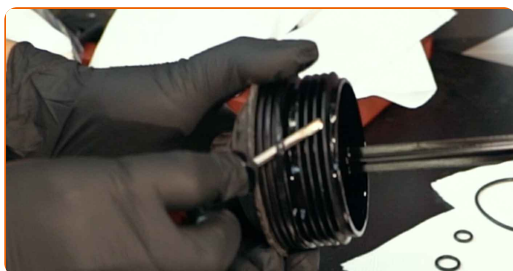
**AUTODOC recommends:**

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

**15** Detach the oil filter from the filter cover.



**16** Remove old o-rings from the oil filter cover. Use a flat screwdriver.



**17** Clean the oil filter seat. Use all-purpose cleaning spray.



**18** Install new O-rings and a new oil filter to their mounting seats 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** Install a new oil filter housing cover and tighten it.

**21** Clean the area of the oil pan drainage hole.





- 22 Screw in the new drainage plug and tighten it. Use a drive socket #19. Use a torque wrench. Tighten it to 28 nm torque.



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



- 24 Lower the car.

- 25 Screw the cap on. Use a drive socket #30. Use a torque wrench. Tighten it to 25 Nm torque.

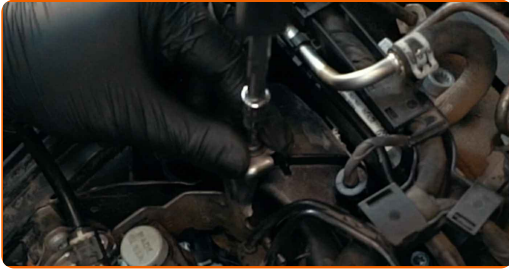


- 26 Clean the oil filter housing cap. Use all-purpose cleaning spray.



**27**

Screw in the bracket for the engine pipes. Use Torx T30. Use a ratchet wrench.

**28**

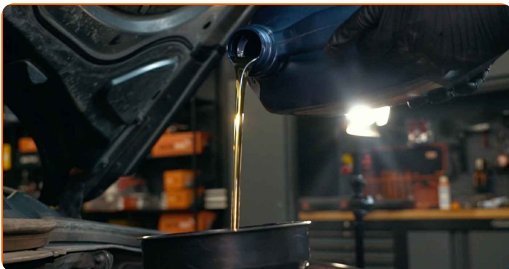
Remove the oil filler cap.

**29**

Insert the funnel.

**30**

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



Replacement: engine oil and filter – VW California T5 Minibus (7EC, 7EF, 7EG, 7HF). AUTODOC experts recommend:

- Use the oil recommended by the manufacturer.

31

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.

32

Install the oil filler cap.



**33** Tighten the oil filler cap.



**34** Run the engine for a few minutes.

**35** After the oil pressure warning light goes out, stop the engine.

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



**Please note!**

- 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.

**37** Remove the fender protection cover.

**38** Close the hood.

Replacement: engine oil and filter – VW California T5 Minibus (7EC, 7EF, 7EG, 7HF). Tip from AUTODOC experts:

- 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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