



How to change engine oil  
and filter on **VAUXHALL**  
**Adam (M13)** –  
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:

VAUXHALL Adam (M13) 1.2, VAUXHALL Adam (M13) 1.4, VAUXHALL Adam (M13) 1.4 S

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: OPEL Astra H Saloon (A04) 1.6 (L69)

REPLACEMENT: ENGINE OIL AND FILTER – VAUXHALL ADAM (M13). TOOLS YOU MIGHT NEED:



- Wire brush
- All-purpose cleaning spray
- Torque wrench
- Drive socket # 24
- Torx bit T45
- Ratchet wrench
- Flat screwdriver
- Oil drain pan
- Funnel
- Microfibre towel
- Fender cover

**Buy tools**

Replacement: engine oil and filter – VAUXHALL Adam (M13). 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 – VAUXHALL Adam (M13) – should be done with the engine switched off.

**CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:**

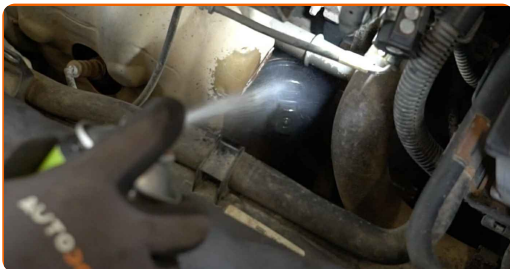
**1** Open the hood.

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

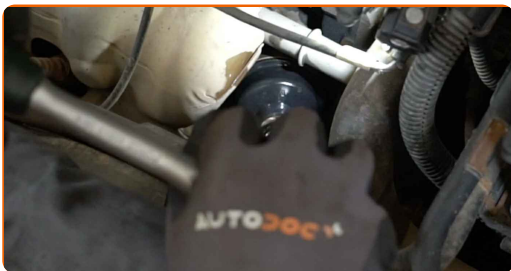
**3** Unscrew the oil filler plug.



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

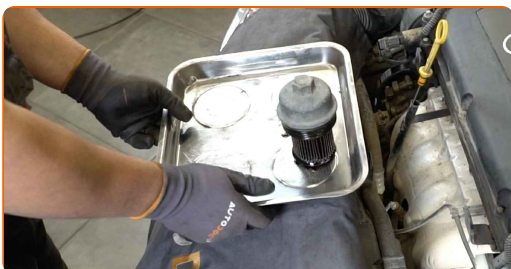


**5** Unscrew the filter housing cap together with the old filter element. Use a drive socket #24. Use a ratchet wrench.



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

**7** Put the old filter cartridge in the container.



**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.

**AUTODOC recommends:**

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

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



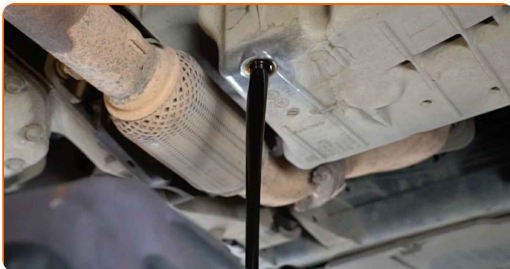
**11** Clean the area of the oil pan drainage hole. Use a wire brush. Use all-purpose cleaning spray.



**12** Unscrew the drain plug. Use Torx T45. Use a ratchet wrench.



**13** Drain the used oil.

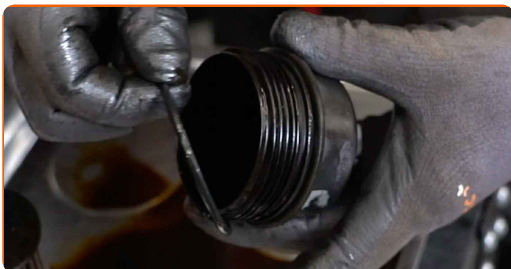


Replacement: engine oil and filter – VAUXHALL Adam (M13). AUTODOC recommends:

- Caution! The oil may be hot.

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

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



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



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



**18** Install a new oil filter.



**Please note!**

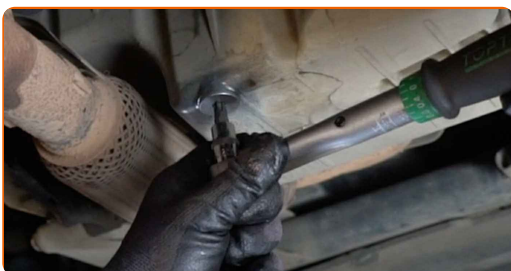
- Make sure to install the filter correctly. Don't mix up the sides of the part.
- Wait until the oil has completely drained from the drainage hole.



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



**20** Screw in the new drainage plug and tighten it. Use Torx T45. Use a torque wrench. Tighten it to 14 nm torque.



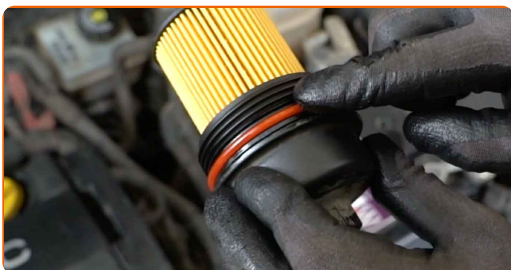
**21** Clean the area of the oil pan drainage hole. Use all-purpose cleaning spray.



**22** Lower the car.

**23** Remove the microfibre towel from the oil filter housing.

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





- 25 Install a new oil filter housing cover and tighten it. Use a drive socket #24. Use a torque wrench. Tighten it to 25 Nm torque.



- 26 Remove the oil filler cap.



- 27 Insert the funnel.



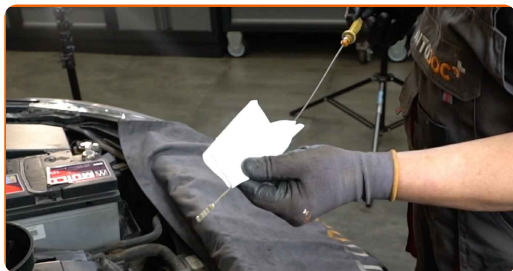
- 28 Pour new oil into the engine in the amount recommended by the car manufacturer.



Replacement: engine oil and filter – VAUXHALL Adam (M13). AUTODOC experts recommend:

- Use the oil recommended by the manufacturer.

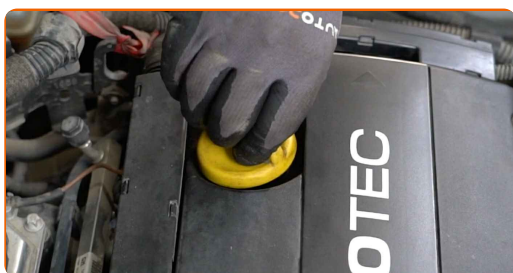
**29** Check the oil level using the dipstick. Top up oil if necessary.



Please note!

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

**30** Install the oil filler cap.



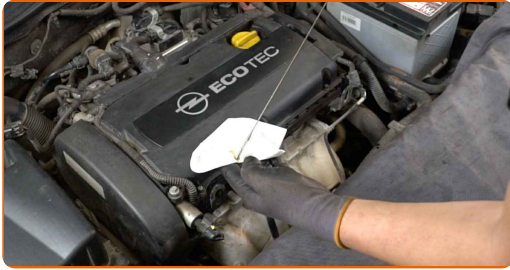
**31** Tighten the oil filler cap.



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

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

**34** 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.

**35** Remove the fender protection cover.

**36** Close the hood.

Replacement: engine oil and filter – VAUXHALL Adam (M13). 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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