



How to change engine oil
and filter on **FIAT Ducato**
Minibus (250_, 290_) –
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:
FIAT Ducato Minibus (250_, 290_) 2.0 D 115 Multijet

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: FIAT BRAVO II (198) 1.6 D Multijet

REPLACEMENT: ENGINE OIL AND FILTER – FIAT DUCATO MINIBUS (250_, 290_). TOOLS YOU MIGHT NEED:



- All-purpose cleaning spray
- Oil filter cup socket 76/14-F
- Drive socket # 10
- Drive socket # 17
- Ratchet wrench
- Torque wrench
- Phillips Screwdriver
- Flat Screwdriver
- Funnel
- Oil drain pan
- Hydraulic transmission jack
- Fender cover

Buy tools

AUTODOC recommends:

- 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 – FIAT DUCATO MINIBUS (250_, 290_). TAKE THE FOLLOWING STEPS:

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 – FIAT Ducato Minibus (250_, 290_). Tip from AUTODOC experts:

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

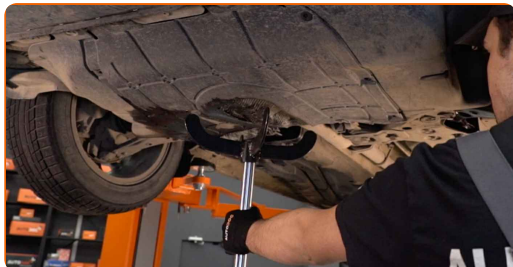
- 5** Undo the fasteners of the oil pan lower cover. Use a drive socket #10. Use a ratchet wrench. Use a Phillips screwdriver.



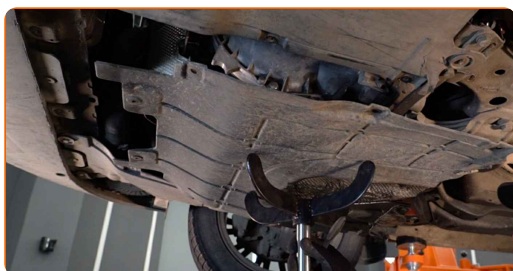
Replacement: engine oil and filter – FIAT Ducato Minibus (250_, 290_). Tip from AUTODOC:

- To avoid injury, hold the engine skid plate cautiously tight when unscrewing the fasteners and when lowering the hydraulic transmission jack.

- 6** Support the engine skid plate. Use a hydraulic transmission jack.



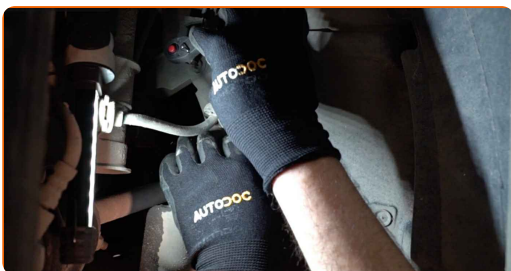
- 7** Remove the oil pan cover. Remove the hydraulic transmission jack.



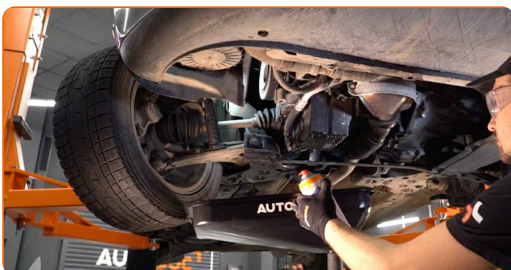
Replacement: engine oil and filter – FIAT Ducato Minibus (250_, 290_).
AUTODOC experts recommend:

- Lower the hydraulic transmission jack smoothly, without jerks, to avoid damaging assemblies and mechanisms.

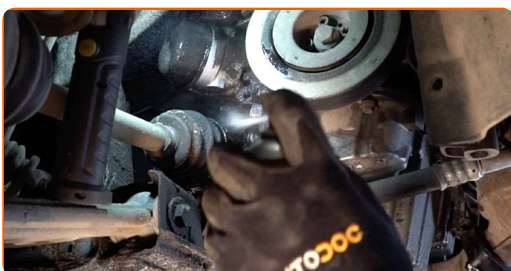
8 Unscrew the wheel arch cover fasteners. Use a drive socket #10. Use a ratchet wrench. Use a Phillips screwdriver.



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



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



11

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



12

Drain the used oil.



Replacement: engine oil and filter – FIAT Ducato Minibus (250_, 290_).
AUTODOC recommends:

- Caution! The oil may be hot.

13

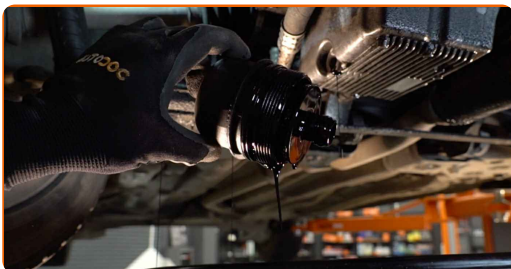
Prepare a container for the old oil filter.



14

Unscrew the filter housing cap together with the old filter element.

15 Put the old oil filter in the container.



Replacement: engine oil and filter – FIAT Ducato Minibus (250_, 290_). Tip:

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

16 Detach the oil filter from the filter cover.



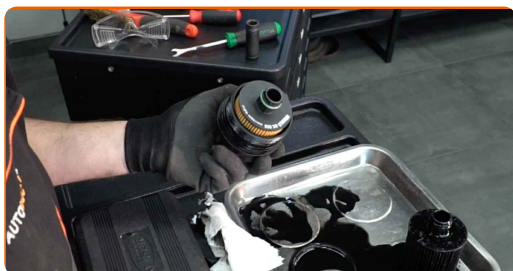
17 Remove the oil filter cover O-ring. Use a flat screwdriver.



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



19 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.
- Wait until the oil has completely drained from the drainage hole.

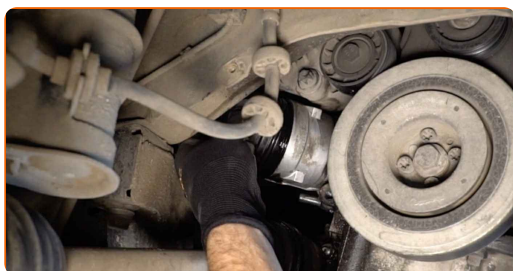
20 Install a new O-ring to its mounting seat on the filter cover.



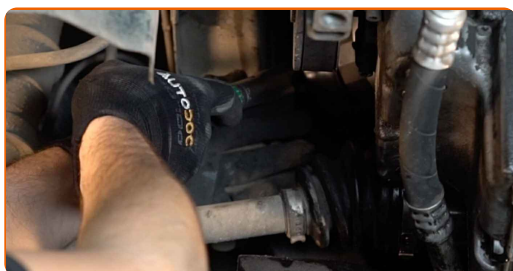
21 Lubricate the rubber seal of the new filter with a little amount of fresh oil.



22 Screw the new filter into its place.



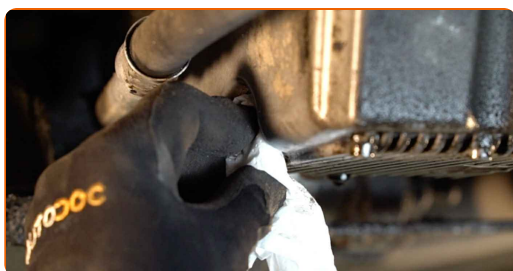
- 23** Install a new oil filter housing cover and tighten it. Use the 76/14-F socket. Use a torque wrench. Tighten it to 25 Nm torque.



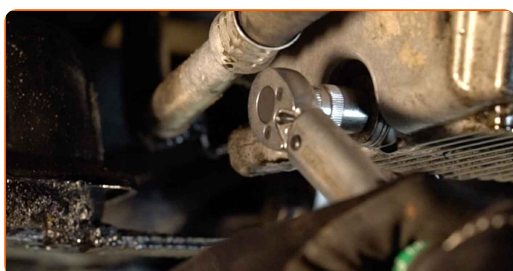
Replacement: engine oil and filter – FIAT Ducato Minibus (250_, 290_).
Professionals recommend:

- Wait until the oil has completely drained from the drainage hole.

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



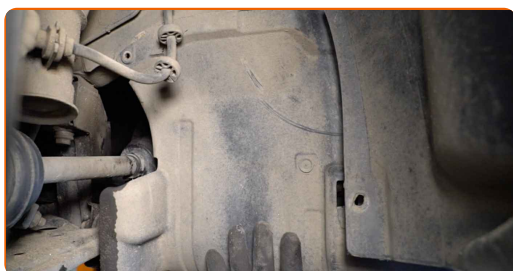
- 25** Screw in the new drainage plug and tighten it. Use a drive socket #17. Use a torque wrench. Tighten it to 22 Nm torque.



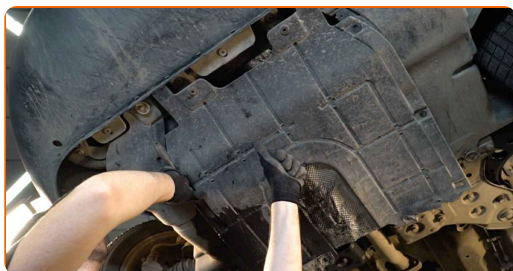
26 Clean the area of the oil pan drainage hole. Use all-purpose cleaning spray.



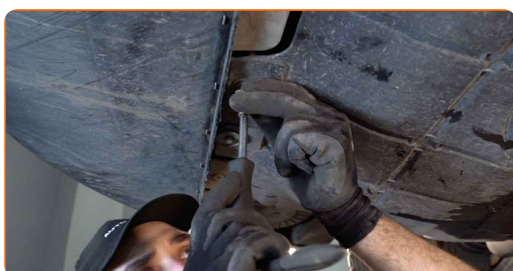
27 Install the wheel arch cover to its mounting seat. Screw in the fasteners. Use a drive socket #10. Use a ratchet wrench. Use a Phillips screwdriver.



28 Reinstall the oil pan lower cover.



29 Tighten the fasteners of the oil pan lower cover. Use a drive socket #10. Use a ratchet wrench. Use a Phillips screwdriver.



30 Lower the car.

31 Remove the oil filler cap. Insert the funnel.



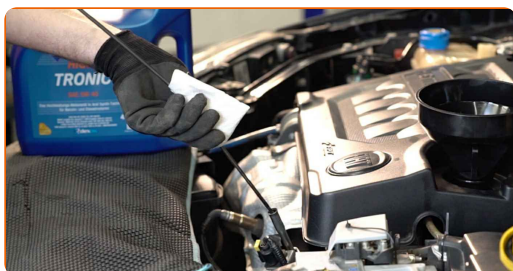
32 Pour new oil into the engine in the amount recommended by the car manufacturer.



Replacement: engine oil and filter – FIAT Ducato Minibus (250_, 290_).
AUTODOC recommends:

- Use the oil recommended by the manufacturer.

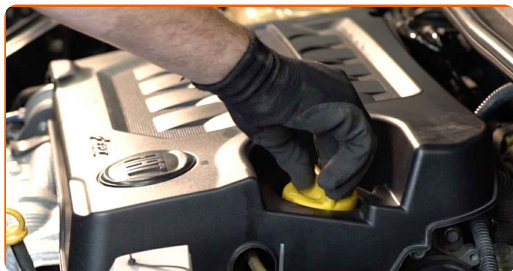
33 Check the oil level using the dipstick. Top up oil if necessary.



Please note!

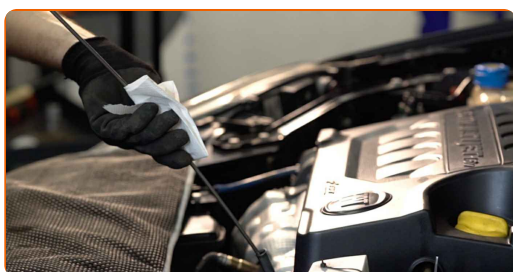
- The oil level should be between the Min and Max marks.

34 Tighten the oil filler cap.



35 Run the engine for a few minutes. 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 – FIAT Ducato Minibus (250_, 290_). Tip from AUTODOC:

- 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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