



How to change engine oil  
and filter on **MERCEDES-  
BENZ Sprinter 2-T Van  
(W901, W902)** –  
replacement guide

### SIMILAR VIDEO TUTORIAL



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

#### **Important!**

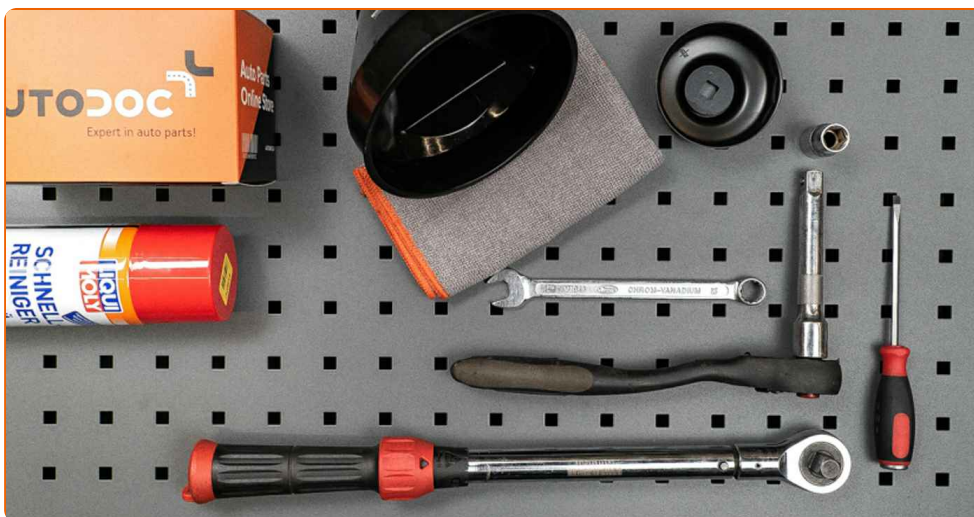
This replacement procedure can be used for:

MERCEDES-BENZ Sprinter 2-T Van (W901, W902) 208 CDI 2.2, MERCEDES-BENZ Sprinter 2-T Van (W901, W902) 211 CDI 2.2, MERCEDES-BENZ Sprinter 2-T Van (W901, W902) 213 CDI 2.2, MERCEDES-BENZ Sprinter 2-T Van (W901, W902) 216 CDI 2.7

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: MERCEDES-BENZ Vito Minibus (W638) 112 CDI 2.2 (638.194)

REPLACEMENT: ENGINE OIL AND FILTER – MERCEDES-BENZ SPRINTER 2-T VAN (W901, W902). TOOLS YOU MIGHT NEED:



- All-purpose cleaning spray
- Oil filter cup socket 76-14F
- Drive socket # 13
- Combination spanner #13
- Ratchet wrench
- Torque wrench
- Flat Screwdriver
- Funnel
- Oil drain pan
- Microfibre towel
- Fender cover

**Buy tools**

**AUTODOC recommends:**

- Replace the oil filter every time when changing motor oil.
- Warning! Shut down the engine before starting any work – MERCEDES-BENZ Sprinter 2-T Van (W901, W902).
- Wear gloves to prevent contact with hot liquid.

**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.



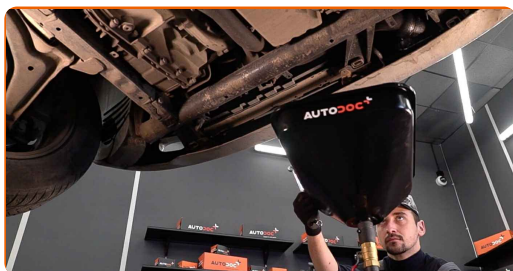
**4** Clean the area of the oil pan drainage hole. Use all-purpose cleaning spray.

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

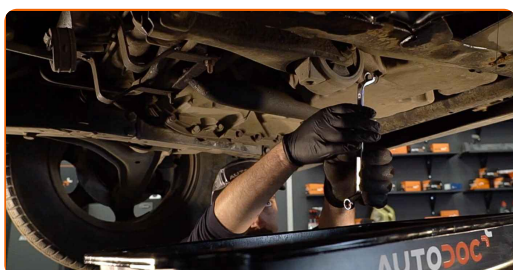
**Replacement: engine oil and filter – MERCEDES-BENZ Sprinter 2-T Van (W901, W902). Tip from AUTODOC:**

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

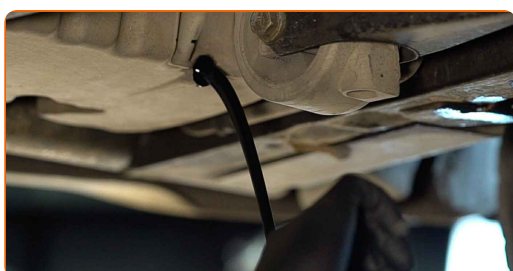
**6** Put a waste oil container with at least 8 l capacity under the drainage hole.



**7** Unscrew the drain plug. Use a combination spanner #13.



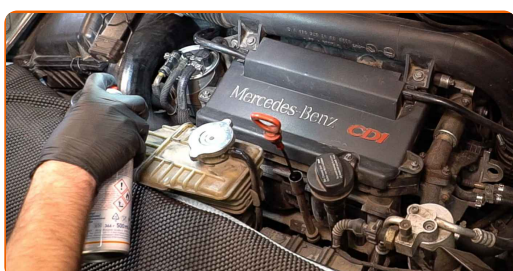
**8** Drain the used oil.



Replacement: engine oil and filter – MERCEDES-BENZ Sprinter 2-T Van (W901, W902). Tip from AUTODOC experts:

- Caution! The oil may be hot.

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



**10** Unscrew the oil filter. Use the 76-14F socket. Use a ratchet wrench.



**11** Remove the oil filter. Put the old oil filter in the container.

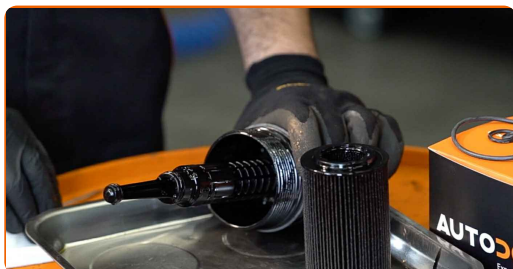


Replacement: engine oil and filter – MERCEDES-BENZ Sprinter 2-T Van (W901, W902). Tip:

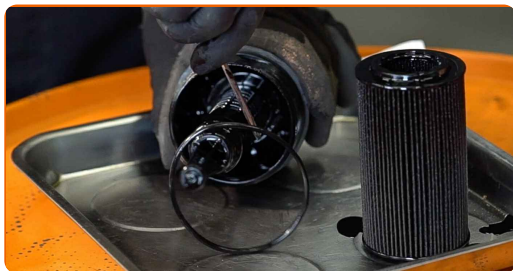
- Move up the container. The oil starts to drain out of the drainage hole immediately after you have removed the oil filter.

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

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



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



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



**16** 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.

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

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



**19** Screw the new filter into its place.



**20** Screw the cap. Use the 76-14F socket. Use a torque wrench. Tighten it to 25 Nm torque.



**AUTODOC recommends:**

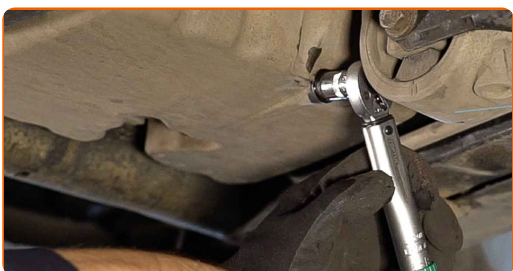
- Wait until the oil has completely drained from the drainage hole.

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

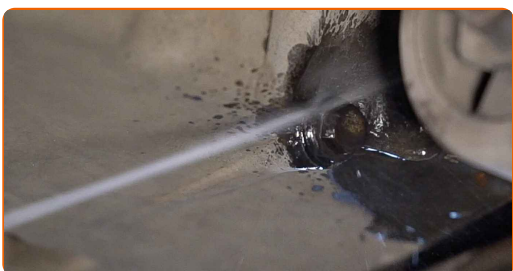




- 22** Screw in the new drainage plug and tighten it. Use a drive socket #13. Use a torque wrench. Tighten it to 30 Nm torque.



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

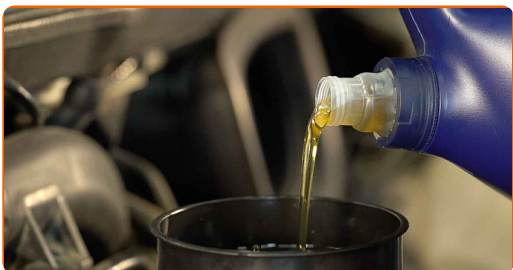


- 24** Lower the car.

- 25** Remove the oil filler cap. Insert the funnel.



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



**AUTODOC recommends:**

- Use the oil recommended by the manufacturer.

**27**

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.

**28**

Tighten the oil filler cap.

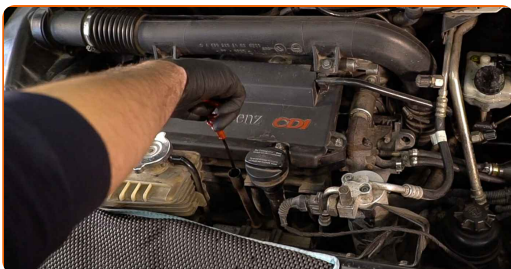


**29**

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

**30**

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 – MERCEDES-BENZ Sprinter 2-T Van (W901, W902). AUTODOC experts recommend:

- 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.

**31** Remove the fender protection cover.

**32** Close the hood.

Replacement: engine oil and filter – MERCEDES-BENZ Sprinter 2-T Van (W901, W902). Tip:

- 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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