



How to change fuel filter  
on **MERCEDES-BENZ**  
**SPRINTER 4,6-t Box**  
**(906)** – 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 4,6-t Box (906) 419 CDI 3.0 (906.653, 906.655, 906.657),
- MERCEDES-BENZ SPRINTER 4,6-t Box (906) 411 CDI 2.2 (906.653, 906.655, 906.657),
- MERCEDES-BENZ SPRINTER 4,6-t Box (906) 415 CDI 2.2 (906.653, 906.655, 906.657),
- MERCEDES-BENZ SPRINTER 4,6-t Box (906) 418 CDI 3.0 (906.653, 906.655, 906.657)

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 E-Class Saloon (W211) E 270 CDI (211.016)

REPLACEMENT: FUEL FILTER – MERCEDES-BENZ  
SPRINTER 4,6-T BOX (906). LIST OF THE TOOLS YOU'LL  
NEED:



- All-purpose cleaning spray
- Torx bit T25
- Drive socket # 5.5
- Drive socket # 7
- Drive socket # 10
- HEX bit No.H5
- Ratchet wrench
- Round-nose pliers
- Bulb hand fuel pump
- Fender cover

**Buy tools**

Replacement: fuel filter – MERCEDES-BENZ SPRINTER 4,6-t Box (906).  
 AUTODOC experts recommend:

- Ensure adequate ventilation of the workplace. Fuel vapors are poisonous.
- Please note: all work on the car – MERCEDES-BENZ SPRINTER 4,6-t Box (906) – 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 engine cover fastener. Use Torx T25. Use a ratchet wrench.

**4** Unscrew the fasteners of the back section of the engine cover. Use a drive socket #10. Use a ratchet wrench.



**5** Remove the back section of the engine cover.



**AUTODOC recommends:**

- Replacement: fuel filter – MERCEDES-BENZ SPRINTER 4,6-t Box (906). Do not use excessive force when removing the part as this may damage it.

**6**

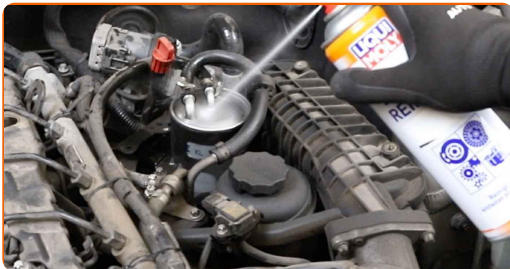
Remove the engine cover.

**AUTODOC recommends:**

- Replacement: fuel filter – MERCEDES-BENZ SPRINTER 4,6-t Box (906). To avoid damaging the part when removing it, do not use excessive force.

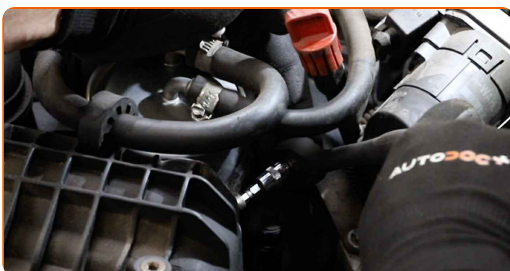
**7**

Clean the fuel filter housing and the cover. Use all-purpose cleaning spray.

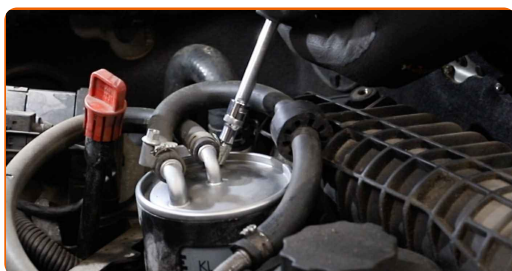


**8**

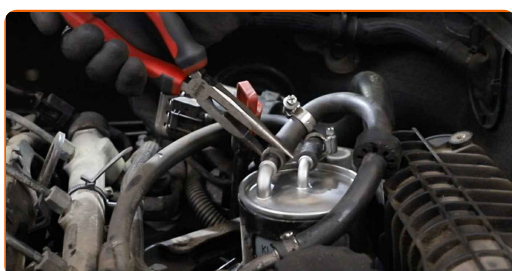
Loosen the fuel filter mounting. Use HEX No.H5. Use a ratchet wrench.



- 9 Loosen the fastening clamps of the fuel filter pipes. Use a drive socket #5.5. Use a drive socket #7. Use a ratchet wrench.



- 10 Detach the tubes from the fuel filter. Use round-nose pliers.



**Replacement: fuel filter – MERCEDES-BENZ SPRINTER 4,6-t Box (906). Tip:**

- Be careful! Fuel may leak from the filter housing and hoses.

- 11 Remove the fuel filter.



12

Install a new fuel filter.



Replacement: fuel filter – MERCEDES-BENZ SPRINTER 4,6-t Box (906). Tip from AUTODOC:

- Make sure that the fuel filter is positioned correctly. Consider the fuel flow direction mark.
- During installation, take care to prevent dust and dirt from getting into the fuel filter housing.
- MERCEDES-BENZ SPRINTER 4,6-t Box (906) – It's important to only use high-quality filters.

13

Clean the fuel filter housing and the cover. Use all-purpose cleaning spray.



14

Attach the pipe to the fuel filter.





**15** Tighten the fastening clamp of the fuel filter pipe. Use a drive socket #5.5. Use a ratchet wrench.



**16** Press the fuel primer pump several times until it gets hard. Use a bulb hand fuel pump.



**17** Attach the pipe to the fuel filter.



**18** Tighten the fastening clamp of the fuel filter pipe. Use a drive socket #7. Use a ratchet wrench.

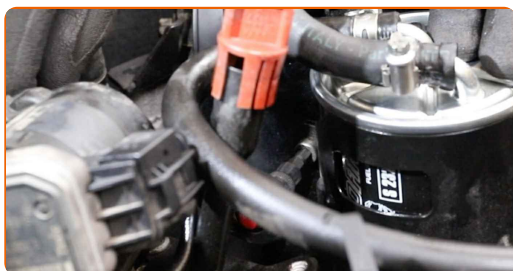




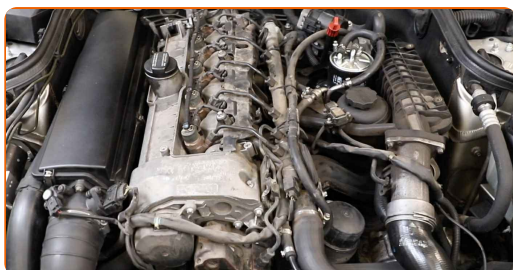
**19** Clean the fuel filter housing and the cover. Use all-purpose cleaning spray.



**20** Screw in the fuel filter mounting bracket. Use HEX No.H5. Use a ratchet wrench.



**21** Run the engine for a few minutes. This is necessary in order to make sure that the component operates properly.



**22** Shut off the engine.

**23** Install the engine cover and secure it.

**AUTODOC recommends:**

- Replacement: fuel filter – MERCEDES-BENZ SPRINTER 4,6-t Box (906). Do not use excessive force during installation. This may damage the part.

**24** Screw in the engine cover fasteners. Use Torx T25. Use a ratchet wrench.

**25** Put the back section of the engine cover back in place.



**AUTODOC recommends:**

- Replacement: fuel filter – MERCEDES-BENZ SPRINTER 4,6-t Box (906). To avoid damaging the part during installation, do not use excessive force.

**26** Screw in the fasteners of the back section of the engine cover. Use a drive socket #10. Use a ratchet wrench.



**27** Remove the fender protection cover.

**28** Close the hood.

**WELL DONE!** 

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**FUEL FILTER: A WIDE SELECTION**

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