



How to change air filter  
on **BMW 7 (E65, E66,  
E67)** – 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:

BMW 7 (E65, E66, E67) 730d 3.0, BMW 7 (E65, E66, E67) 730Ld 3.0

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: BMW 5 Saloon (E60) 525d 2.5

REPLACEMENT: AIR FILTER – BMW 7 (E65, E66, E67).  
 TOOLS YOU NEED:



- Drive socket # 13
- HEX bit No.H5
- Torx bit T25
- Torx bit T40
- Ratchet wrench
- Phillips screwdriver
- Clip removal tool
- Water pump pliers
- Microfibre towel
- Fender cover

**Buy tools**

Replacement: air filter – BMW 7 (E65, E66, E67). Tip from AUTODOC:

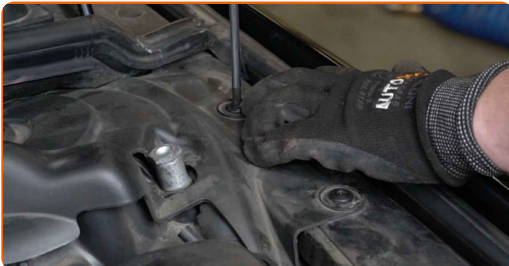
- Follow the terms, recommendations and requirements of the part operation provided by the manufacturer.
- All work should be done with the engine stopped.

**REPLACEMENT: AIR FILTER – BMW 7 (E65, E66, E67).  
RECOMMENDED SEQUENCE OF STEPS:**

**1** Open the bonnet.

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

**3** Unscrew the fasteners of the suspension strut mount cover. Use a Phillips screwdriver. Use a clip removal tool.



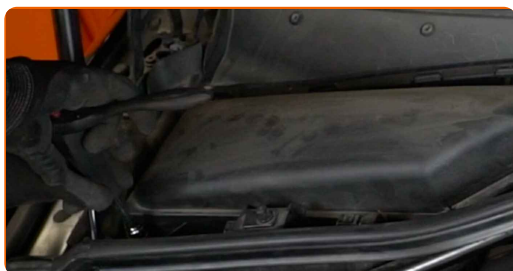
**4** Remove the protective caps out of the shock absorber mounting fastener.



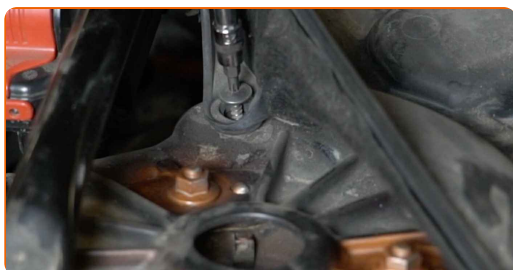
**5** Release the cabin filter cover clips.



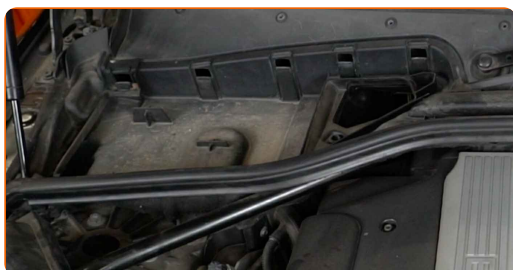
**6** Unscrew the fasteners of the cabin filter housing cover. Use a drive socket #13. Use a ratchet wrench.



**7** Unscrew the fasteners of the bottom part of the cabin filter housing. Use Torx T25. Use a ratchet wrench.



**8** Remove the cabin filter housing cover.



**Replacement: air filter – BMW 7 (E65, E66, E67). Tip:**

- Do not apply excessive force when removing the part. Otherwise you may damage it.

**9** Release the cabin filter cover clips.



**10** Unscrew the fasteners of the cabin filter housing cover. Use a drive socket #13. Use a ratchet wrench.



**11** Remove the cabin filter housing cover.



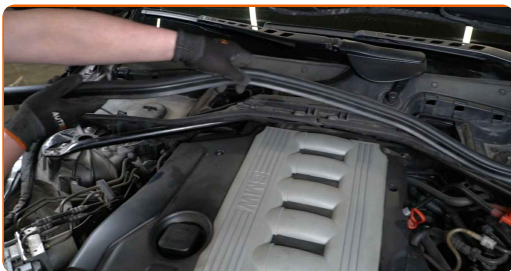
**AUTODOC recommends:**

- Replacement: air filter – BMW 7 (E65, E66, E67). Be sure to position the filtering element correctly. Avoid misalignment.

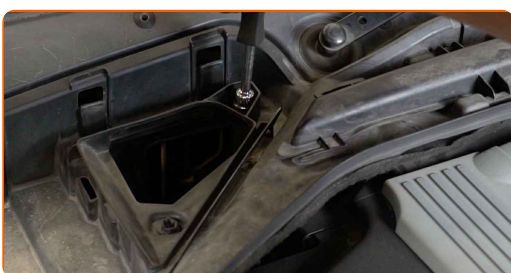
**12** Detach the connectors from the climate control sensors.



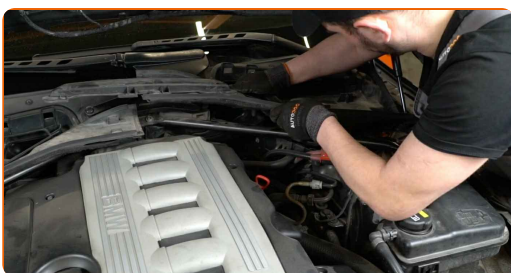
**13** Remove the cabin filter housing seal.



**14** Unscrew the fasteners of the bottom part of the cabin filter housing. Use a drive socket #13. Use a ratchet wrench.



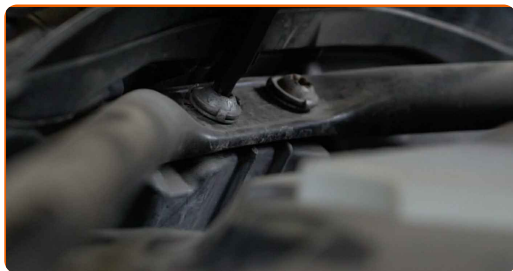
**15** Remove the bottom part of the cabin filter housing.



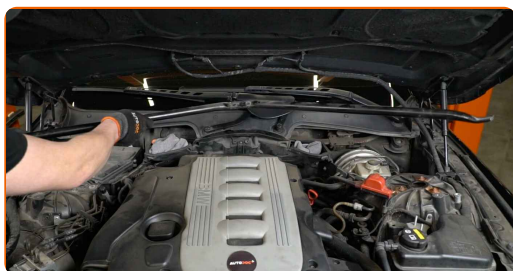
**16** Cover the cabin filter air ducts with a microfibre cloth to keep dirt and dust out.



**17** Unscrew the fasteners of the diagonal braces. Use Torx T40. Use a ratchet wrench.



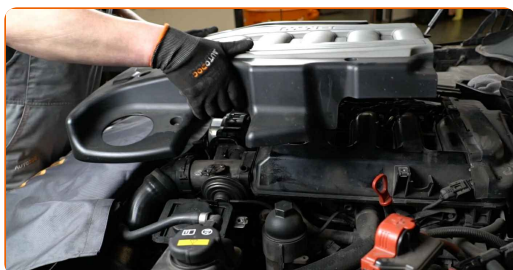
**18** Remove the diagonal brace.



**19** Unscrew the engine cover fastener. Use HEX No.H5. Use a ratchet wrench.



**20** Remove the engine cover.



**AUTODOC recommends:**

- Replacement: air filter – BMW 7 (E65, E66, E67). To avoid damaging the part when removing it, do not use excessive force.



21

Disconnect the air intake pipe fastening. Use HEX No.H5. Use a ratchet wrench.



22

Disconnect the air intake pipe from the air filter housing.



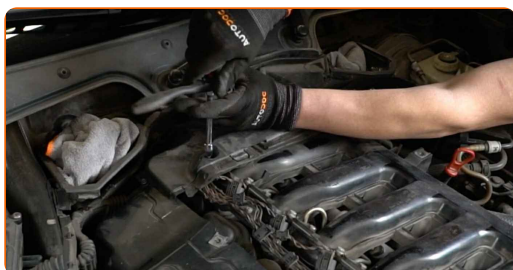
23

Undo the fastening screws of the air filter cover. Use HEX No.H5. Use a ratchet wrench.

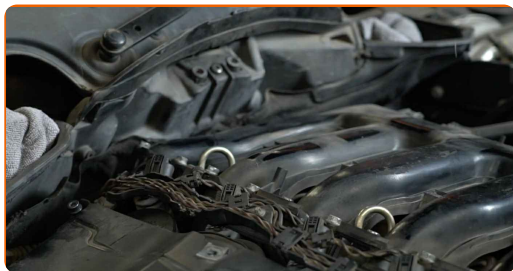


24

Unscrew the fasteners of the back section of the engine cover. Use HEX No.H5. Use a ratchet wrench.



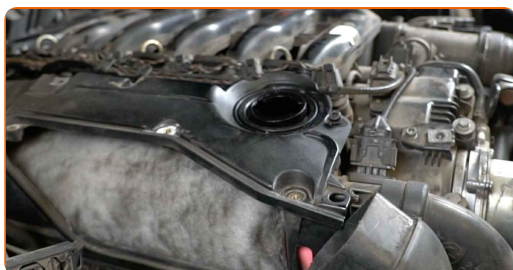
**25** Remove the back section of the engine cover.



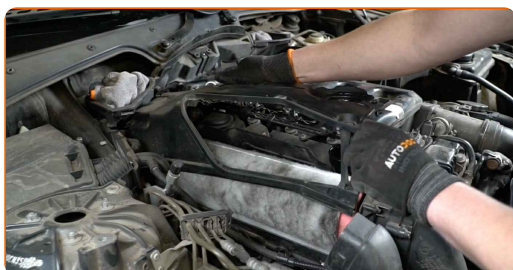
**26** Unscrew the oil filler plug.



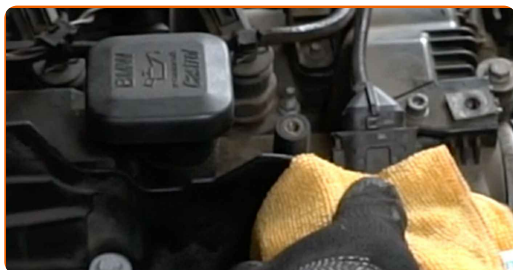
**27** Remove the oil filler cap.



**28** Take off the filter lid.



**29** Install the oil filler cap.



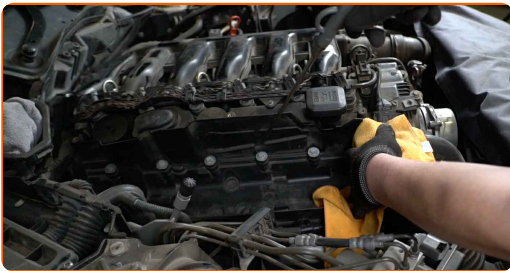
30

Remove the filter element from the filter housing. Use water pump pliers.



31

Clean the air filter cover and housing.

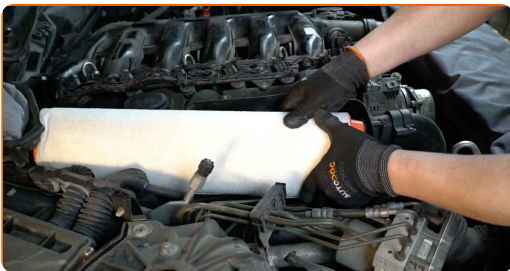


Replacement: air filter – BMW 7 (E65, E66, E67). Professionals recommend:

- Before cleaning the air filter cover and housing, cover the air duct parts, mass airflow sensor (if available), throttle valve with a clean cloth.

32

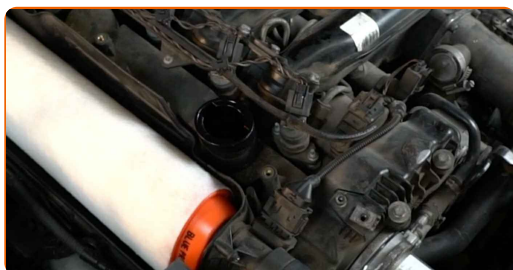
Insert a new filter element into the filter housing. Make sure that the filter edge fits tight to the housing.



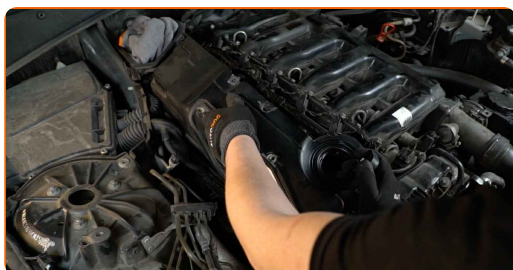
Replacement: air filter – BMW 7 (E65, E66, E67). Tip from AUTODOC:

- Check out the correct location of the filter element. Do not skew.
- BMW 7 (E65, E66, E67) – It's important to only use high-quality filters.
- During installation, make sure to prevent dust and dirt from getting into the air filter housing.

**33** Remove the oil filler cap.



**34** Reinstall the air filter cover. Fasten it.



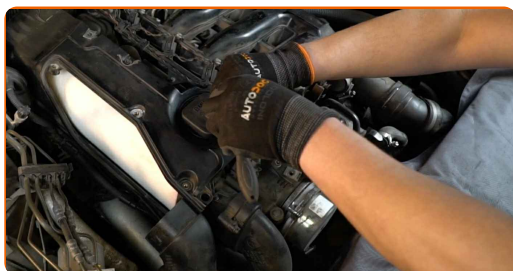
**35** Install the oil filler cap.

**36** Tighten the oil filler cap.



37

Screw in the fastening screws of the air filter cover. Use HEX No.H5. Use a ratchet wrench.



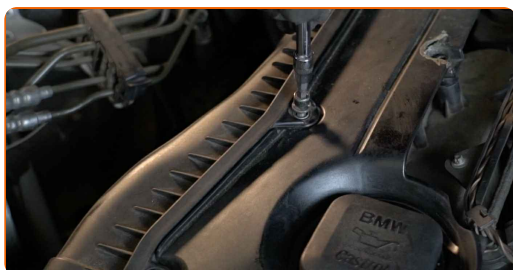
38

Connect the air intake pipe to the air filter housing.



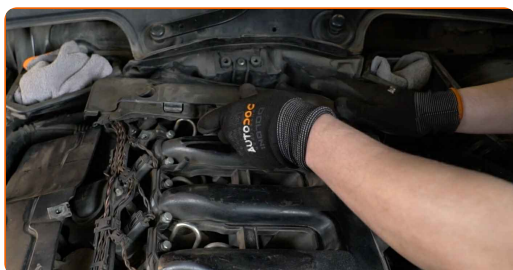
39

Screw in the fastener of the air intake pipe. Use HEX No.H5. Use a ratchet wrench.



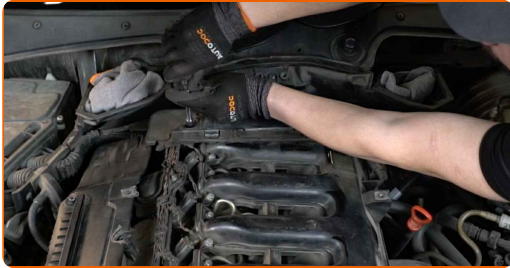
40

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



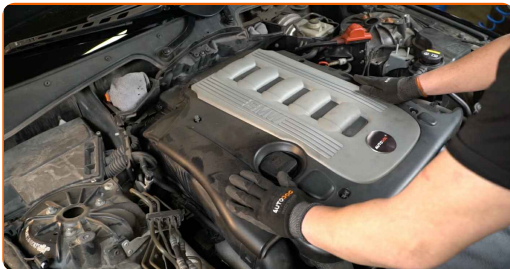
**41**

Screw in the fasteners of the back section of the engine cover. Use HEX No.H5. Use a ratchet wrench.



**42**

Install the engine cover and secure it.

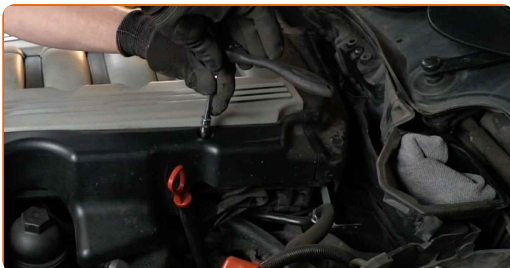


**Replacement: air filter – BMW 7 (E65, E66, E67). AUTODOC recommends:**

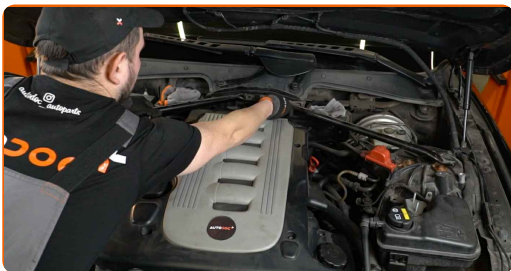
- Make sure the engine cover is properly seated. It should not be displaced with respect to the guiding fasteners.
- Caution! Do not use excessive force during installation. This may damage the fasteners of the car. BMW 7 (E65, E66, E67)

**43**

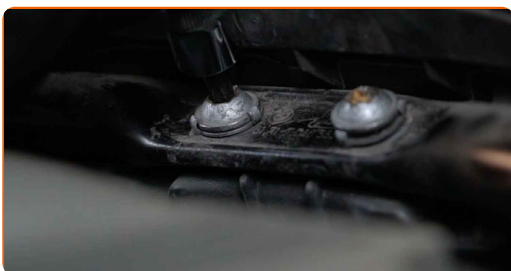
Screw in the engine cover fasteners. Use HEX No.H5. Use a ratchet wrench.



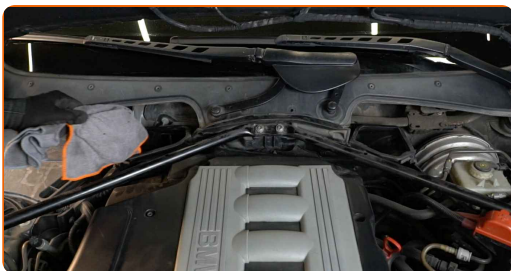
**44** Install the diagonal brace.



**45** Screw in the fasteners of the diagonal braces. Use Torx T40. Use a ratchet wrench.



**46** Remove the microfibre cloth from the cabin filter air ducts.



**47** Put the bottom part of the cabin filter housing back in place.



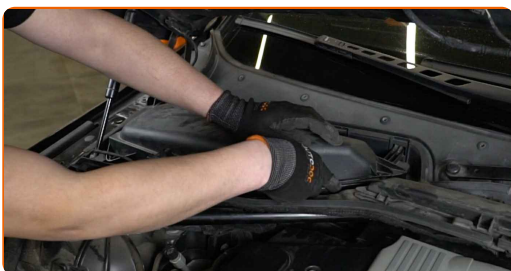
**48** Screw in the fasteners of the bottom part of the cabin filter housing. Use a drive socket #13. Use a ratchet wrench.



**49** Attach the connectors of the climate control sensors.



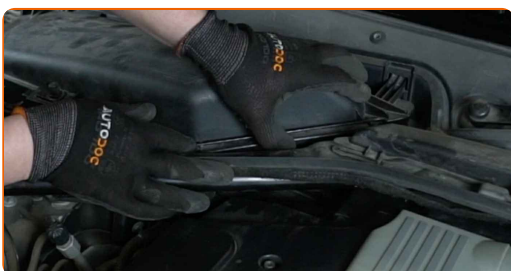
**50** Reinstall the cabin filter housing cover. Make sure you hear a click indicating that it is locked in place.



**AUTODOC recommends:**

- Warning! To avoid damaging the fasteners of the car during installation, do not use excessive force. BMW 7 (E65, E66, E67)

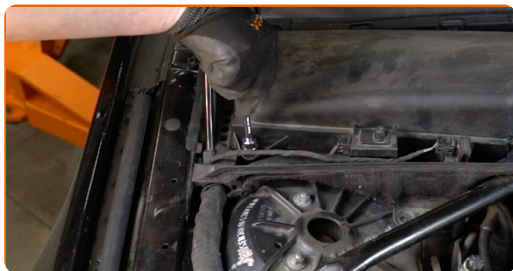
**51** Attach the cabin filter cover clips.





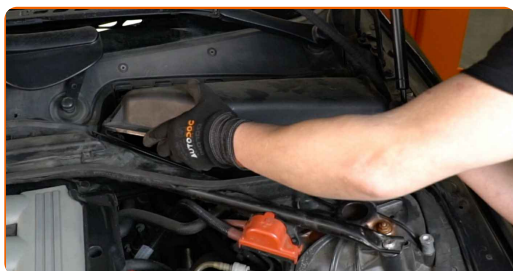
52

Screw in the fasteners of the cabin filter housing cover. Use a drive socket #13. Use a ratchet wrench.



53

Reinstall the cabin filter housing cover. Make sure you hear a click indicating that it is locked in place.



**AUTODOC recommends:**

- Caution! Do not use excessive force during installation. This may damage the fasteners of the car. BMW 7 (E65, E66, E67)

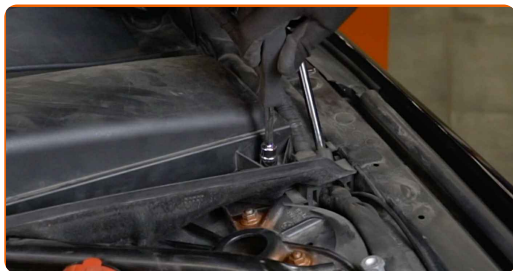
54

Attach the cabin filter cover clips.



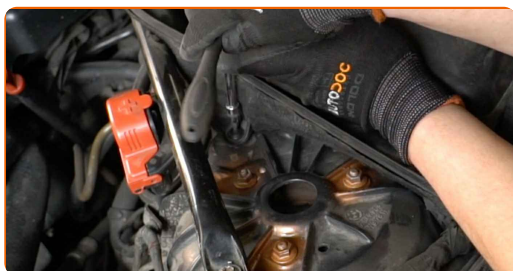
55

Screw in the fasteners of the cabin filter housing cover. Use a drive socket #13. Use a ratchet wrench.



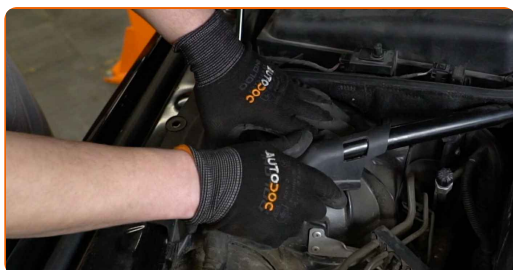
56

Screw in the fasteners of the bottom part of the cabin filter housing. Use Torx T25. Use a ratchet wrench.



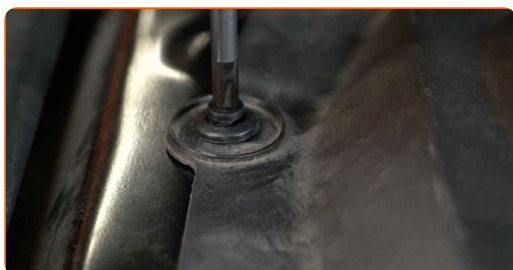
57

Put the protective caps onto the shock absorber mounting fastener.

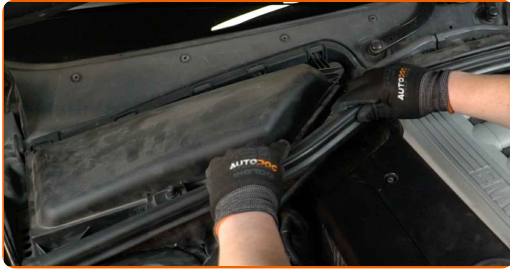


58

Screw in the fasteners of the suspension strut mount cover. Use a Phillips screwdriver.



**59** Reinstall the cabin filter housing seal.



**60** Remove the fender protection cover.

**61** Close the hood.

**WELL DONE!** 

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