

SIMILAR VIDEO TUTORIAL



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

Important!

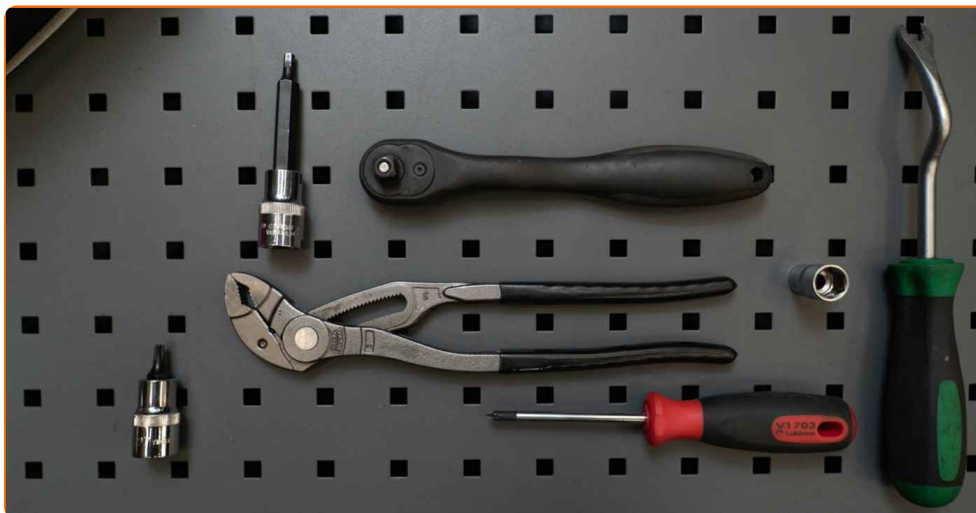
This replacement procedure can be used for:

BMW 3 Coupe (E46) 330Cd 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 3 COUPE (E46). 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 3 Coupe (E46). 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 3 COUPE (E46). 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.



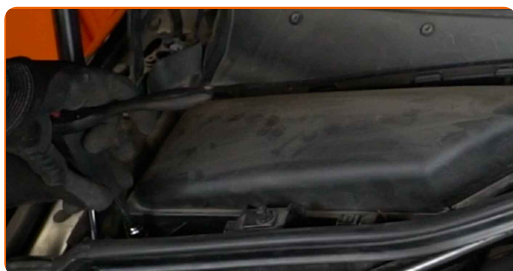
4 Remove the protective caps out of the shock absorber mounting fastener.



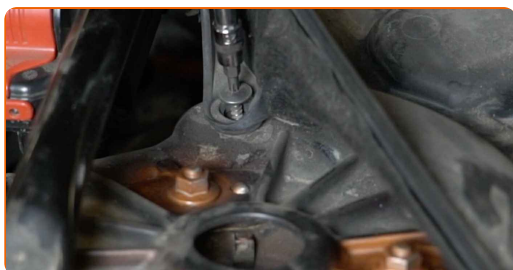
5 Release the cabin filter cover clips.



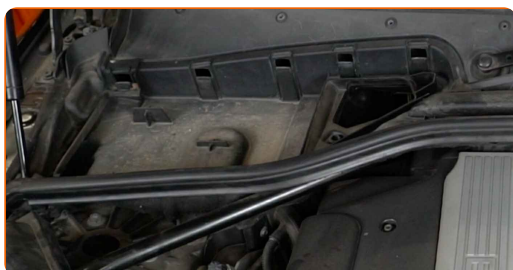
6 Unscrew the fasteners of the cabin filter housing cover. Use a drive socket #13. Use a ratchet wrench.



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 3 Coupe (E46). 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.



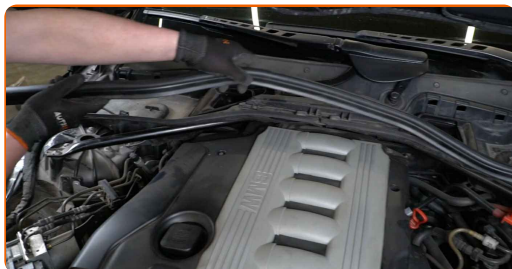
AUTODOC recommends:

- Replacement: air filter – BMW 3 Coupe (E46). Be sure to position the filtering element correctly. Avoid misalignment.

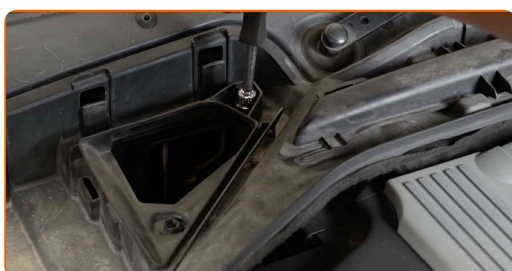
12 Detach the connectors from the climate control sensors.



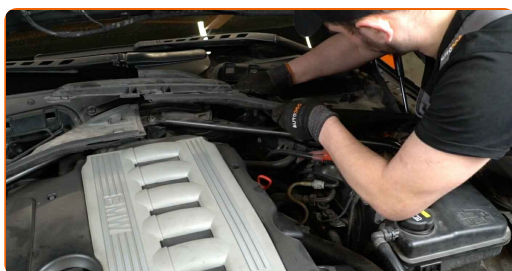
- 13** Remove the cabin filter housing seal.



- 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.



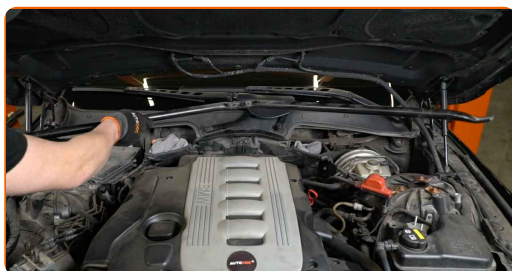
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Unscrew the fasteners of the diagonal braces. Use Torx T40. Use a ratchet wrench.



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Remove the diagonal brace.



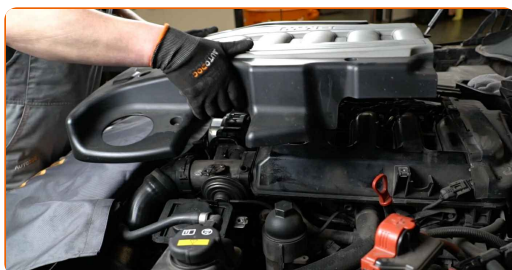
19

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



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Remove the engine cover.

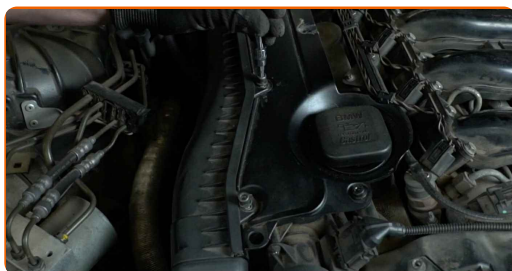


AUTODOC recommends:

- Replacement: air filter – BMW 3 Coupe (E46). To avoid damaging the part when removing it, do not use excessive force.

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



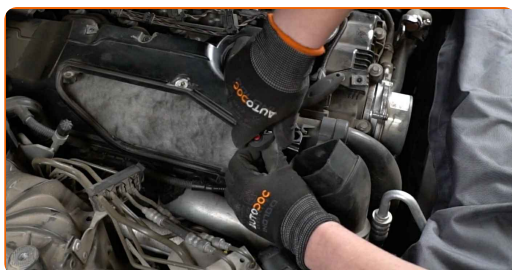
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Disconnect the air intake pipe from the air filter housing.



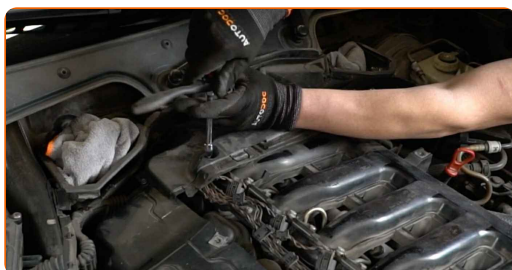
23

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



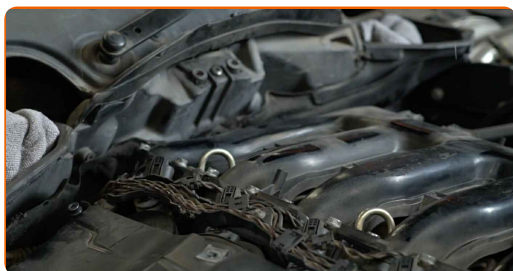
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Unscrew the fasteners of the back section of the engine cover. Use HEX No.H5. Use a ratchet wrench.



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Remove the back section of the engine cover.



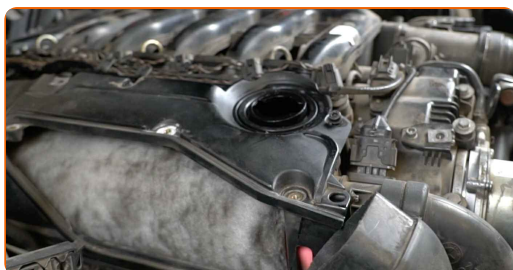
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Unscrew the oil filler plug.



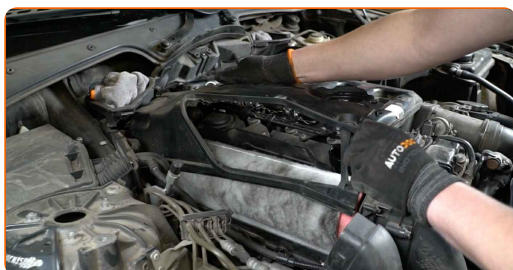
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Remove the oil filler cap.



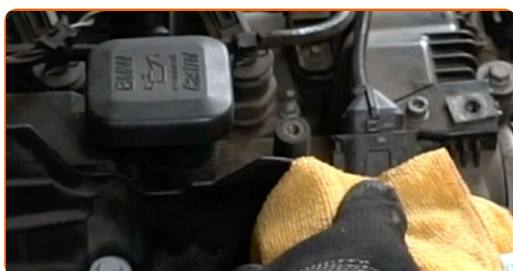
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Take off the filter lid.



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Install the oil filler cap.



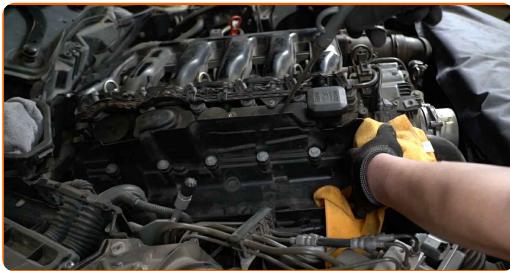
30

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



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Clean the air filter cover and housing.



Replacement: air filter – BMW 3 Coupe (E46). 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.

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

