

## SIMILAR VIDEO TUTORIAL



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

### **ⓘ Important!**

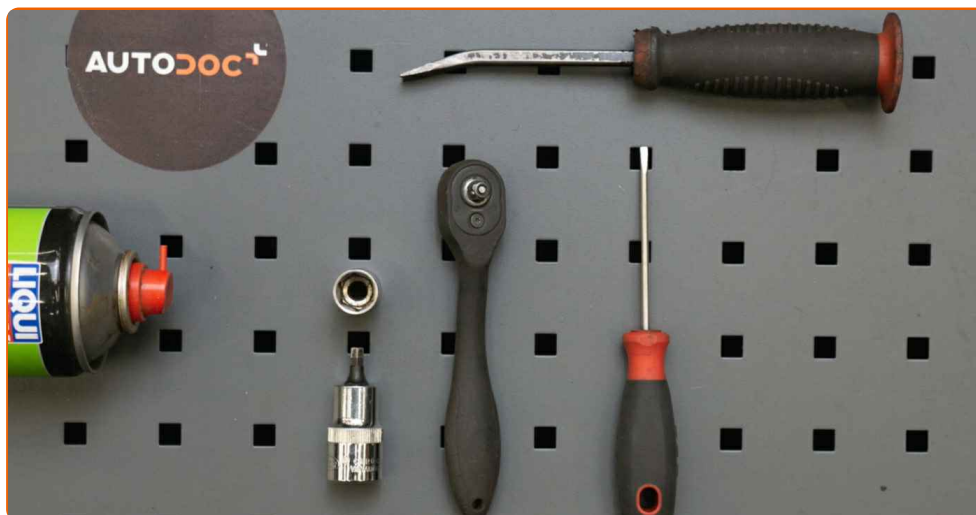
This replacement procedure can be used for:

BMW 3 Saloon (E46) 320d 2.0, BMW 3 Saloon (E46) 318d 2.0

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 3 Touring (E46) 320d 2.0

## REPLACEMENT: COOLANT HOSE – BMW 3 SALOON (E46). TOOLS YOU NEED:



- All-purpose cleaning spray
- Drive socket # 12
- HEX bit No.H5
- Ratchet wrench
- Flat screwdriver
- Funnel
- Fluid container
- Crow bar
- Fender cover
- Wheel chock

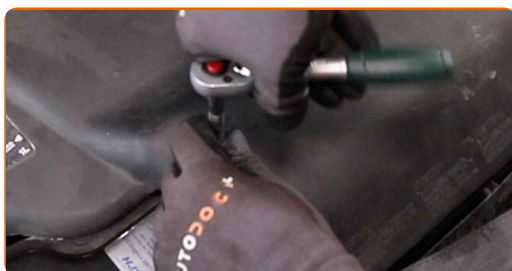
[Buy tools](#)

Replacement: coolant hose – BMW 3 Saloon (E46). AUTODOC recommends:

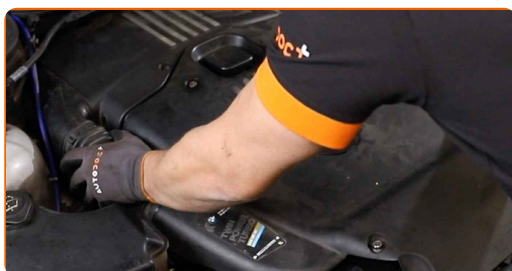
- Check the cooling circuit for leaks. Replace any worn parts.
- All work should be done with the engine stopped.

## REPLACEMENT: COOLANT HOSE – BMW 3 SALOON (E46). TAKE THE FOLLOWING 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 air distribution housing assembly. Use a drive socket #12. Use a ratchet wrench.



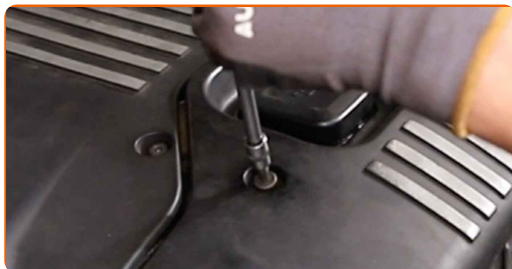
- 4 Remove the air distribution housing assembly.



- 5 Secure the wheels with chocks.
- 6 Lift the car using a jack or place it over an inspection pit.

7

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



8

Remove the engine cover.



### AUTODOC recommends:

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

9

Prepare a container for fluids.



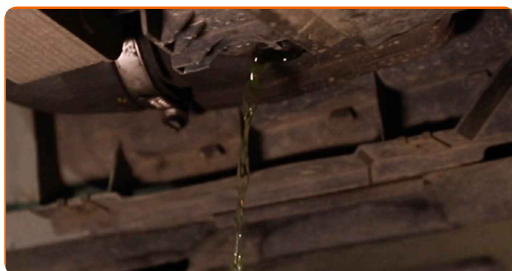
10

Unscrew the coolant drain plug. Use a flat screwdriver.



11

Drain the coolant from the engine.



### Replacement: coolant hose – BMW 3 Saloon (E46). Tip:

- Caution! The coolant can be very hot.
- Wear gloves to prevent contact with hot liquid.
- All work should be done with the engine stopped.
- Wait until the coolant has completely flowed out of the drain hole.

12

Unscrew the coolant reservoir cap.



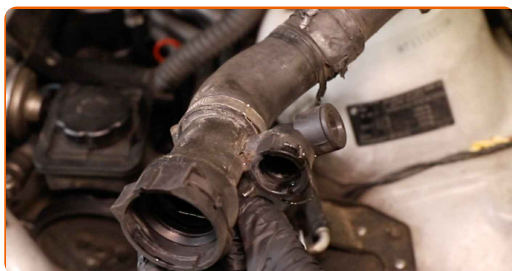
13

Remove the coolant hose retainers. Use a crowbar.



14

Detach the coolant hose. Use a crowbar.

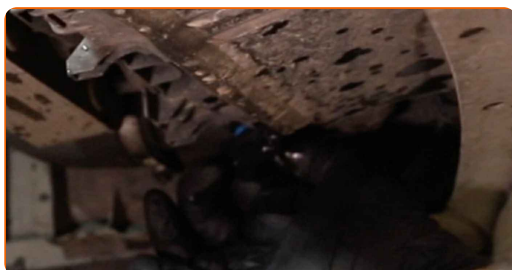


Replacement: coolant hose – BMW 3 Saloon (E46). Tip from AUTODOC experts:

- Be careful! The coolant may leak.
- Replacement: coolant hose – BMW 3 Saloon (E46). To avoid damaging the part when removing it, do not use excessive force.

15

Screw in the coolant drain plug. Use a flat screwdriver.



16

Clean the mounting seats of the coolant hose. Use all-purpose cleaning spray.



17

Connect the new coolant hose.



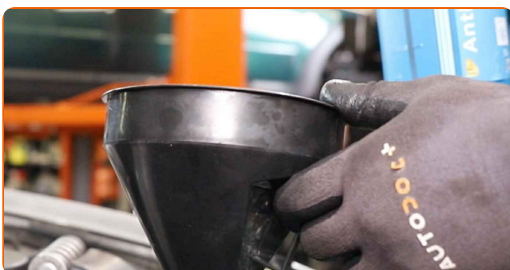
18

Fasten the retainers of the coolant hose.



19

Insert the funnel.



20

Pour coolant in the coolant reservoir.



### AUTODOC recommends:

- Only use the coolant recommended by the manufacturer.
- The coolant level should be at the MAX mark.
- Wait until the air goes out of the system.



21

Unscrew the bleeder screws. Use a flat screwdriver.

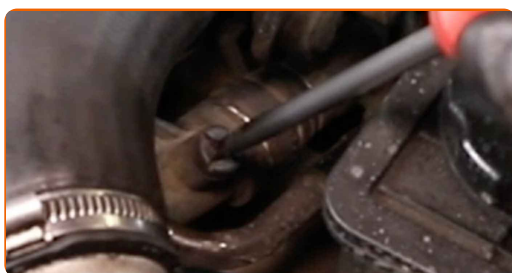


Please note!

- This is necessary to remove any remaining air from the system.

22

Screw in the bleeder screws. Use a flat screwdriver.



23

Check the coolant level. If necessary, top up to the required level.



24

Screw on the coolant reservoir cap.





25

Install the engine cover and secure it.



### AUTODOC recommends:

- Replacement: coolant hose – BMW 3 Saloon (E46). To avoid damaging the part during installation, do not use excessive force.

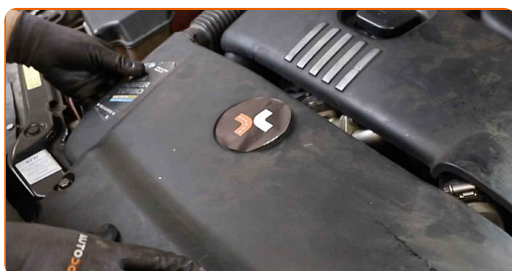
26

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



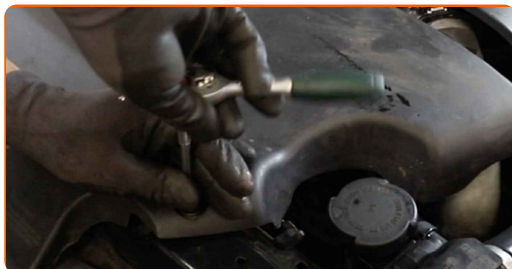
27

Reinstall the air distribution housing assembly.



28

Screw in the fasteners of the air distribution housing assembly. Use a drive socket #12. Use a ratchet wrench.



29

Lower the car.

30

Remove the jacks and chocks.

31

Remove the fender protection cover.

32

Close the hood.

**WELL DONE!** 👍

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