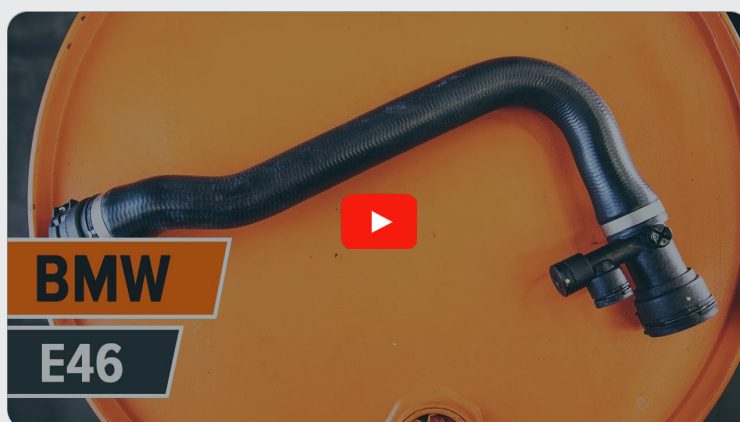


## VIDEO TUTORIAL



### **i Important!**

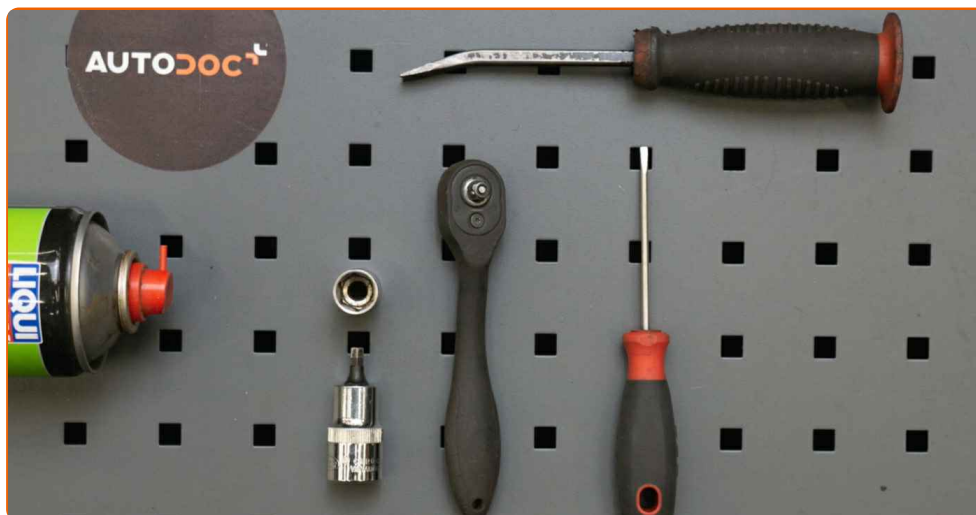
This replacement procedure can be used for:

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

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The steps may slightly vary depending on the car design.

## REPLACEMENT: COOLANT HOSE – BMW E46 TOURING. 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**

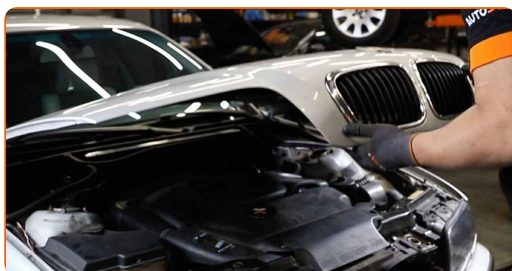
Replacement: coolant hose – BMW E46 Touring. AUTODOC recommends:

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

## REPLACEMENT: COOLANT HOSE – BMW E46 TOURING. TAKE THE FOLLOWING STEPS:

1

Open the bonnet.



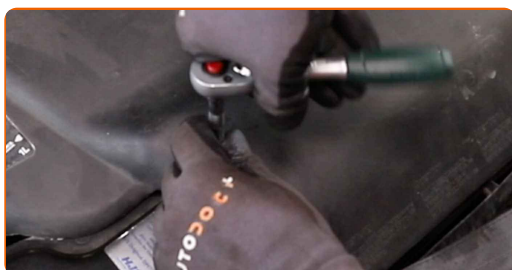
2

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



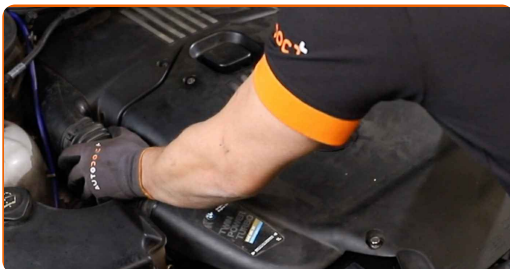
3

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.

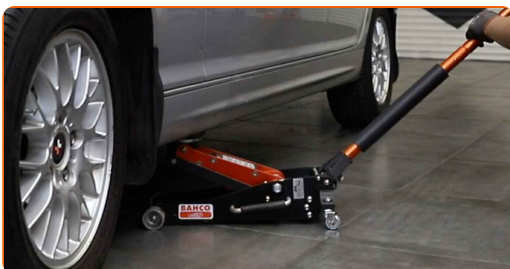


5

Secure the wheels with chocks.

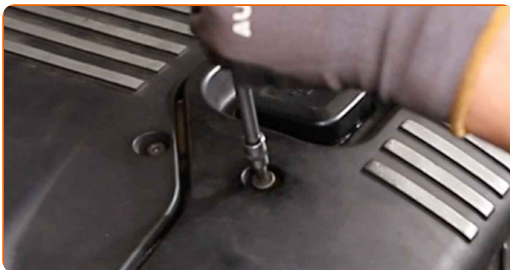
6

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.



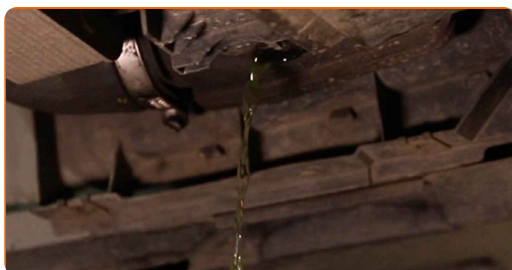
10

Unscrew the coolant drain plug. Use a flat screwdriver.



11

Drain the coolant from the engine.



### Replacement: coolant hose – BMW E46 Touring. 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.



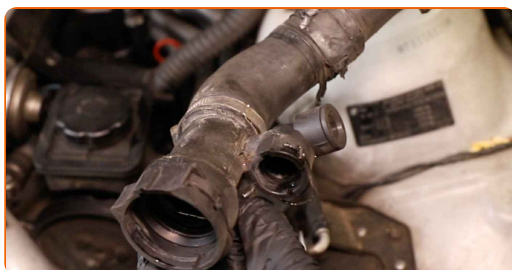
13

Remove the coolant hose retainers. Use a crowbar.



14

Detach the coolant hose. Use a crowbar.

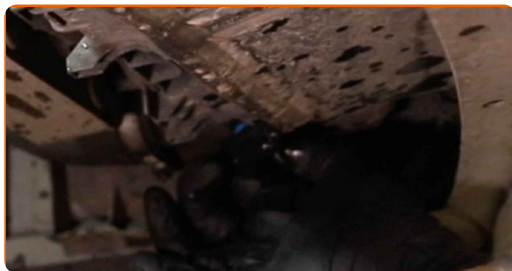


Replacement: coolant hose – BMW E46 Touring. Tip from AUTODOC experts:

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



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



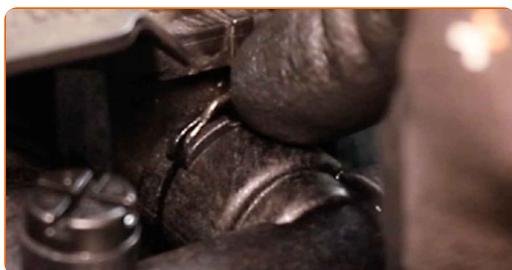
- 16 Clean the mounting seats of the coolant hose. Use all-purpose cleaning spray.



- 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.



Replacement: coolant hose – BMW E46 Touring. Professionals recommend:

- 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.



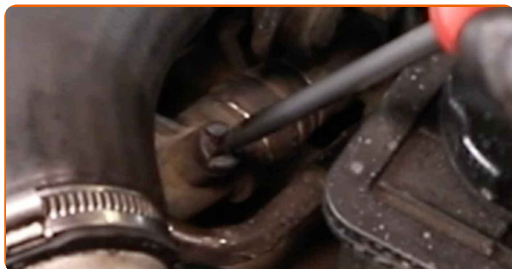
Please note!

- 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 E46 Touring. 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.