

VIDEO TUTORIAL



Important!

This replacement procedure can be used for:

BMW 5 Saloon (E39) 520i 2.0, BMW 5 Saloon (E39) 525tds 2.5, BMW 5 Saloon (E39) 523i 2.5, BMW 5 Saloon (E39) 528i 2.8, BMW 5 Saloon (E39) 535i 3.5, BMW 5 Touring (E39) 520i 2.0, BMW 5 Touring (E39) 523i 2.5, BMW 5 Saloon (E39) 525td 2.5, BMW 5 Touring (E39) 528i 2.8, BMW 5 Saloon (E39) 530d 3.0, BMW 5 Touring (E39) 530d 3.0, BMW 5 Touring (E39) 525tds 2.5, BMW 5 Saloon (E39) 520d 2.0, BMW 5 Touring (E39) 520d 2.0, BMW 5 Saloon (E39) 525d 2.5, (+ 5)

The steps may slightly vary depending on the car design.

REPLACEMENT: BRAKE DISCS – BMW E39. LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- HEX bit no.H6.
- HEX bit no.H7.
- Drive socket # 18
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Brake caliper wind back tool
- Impact screwdriver
- Crow bar
- Fender cover
- Wheel chock

BUY TOOLS

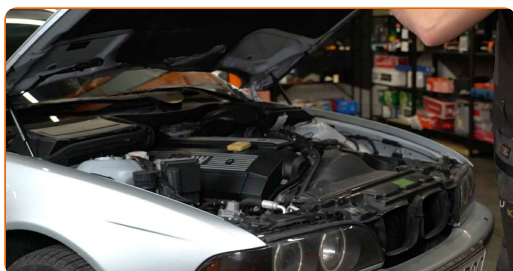
Replacement: brake discs – BMW E39. AUTODOC experts recommend:

- Replace the brake disks on the car BMW E39 in complete set for each axis. Regardless of the state of components. This will ensure even braking.
- The replacement procedure is identical for both brake disks on the same axle.
- When changing the brake discs, always replace the brake pads.
- All work should be done with the engine stopped.

REPLACEMENT: BRAKE DISCS – BMW E39. TAKE THE FOLLOWING STEPS:

1

Open the hood.

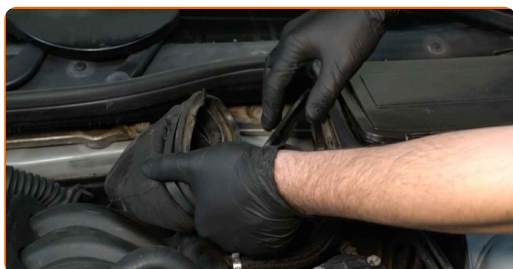


2

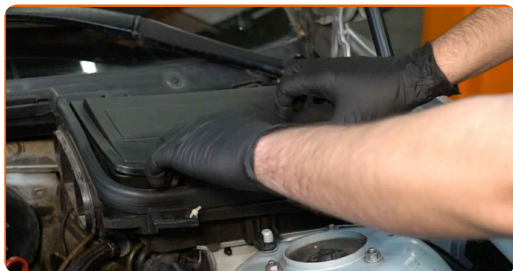
Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.

3

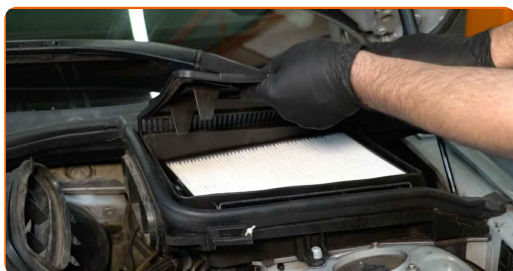
Detach the air duct from the cabin filter housing.



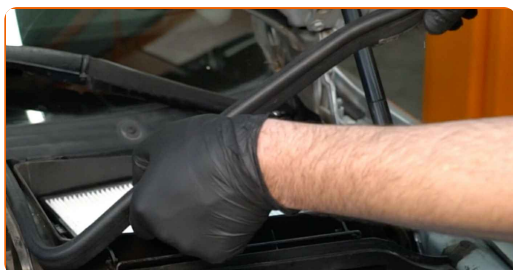
4 Release the cabin filter cover clips.



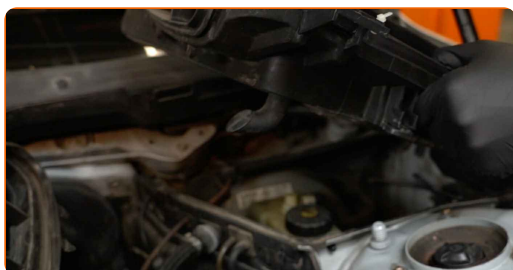
5 Remove the cabin filter housing cover.



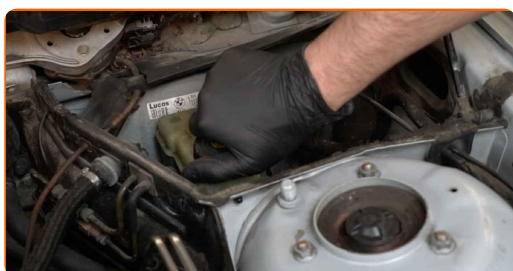
6 Remove the cabin filter housing seal.



7 Remove the cabin air filter housing.



8 Unscrew the brake fluid reservoir cap.



9

Secure the wheels with chocks.



10

Loosen the wheel mounting bolts. Use wheel impact socket #17.



11

Raise the front of the car and secure on supports.



12

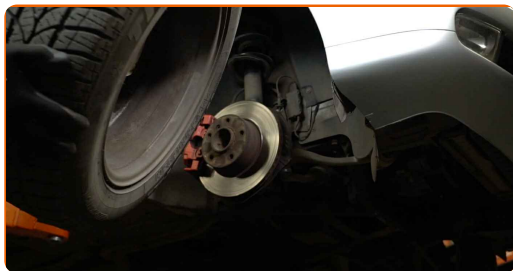
Unscrew the wheel bolts.



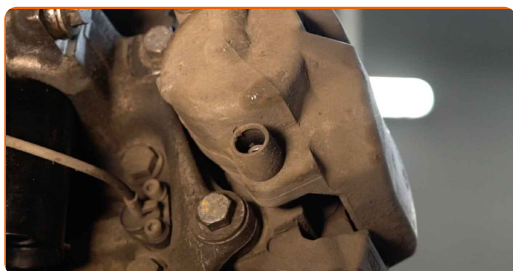
Replacement: brake discs – BMW E39. Tip from AUTODOC:

- To avoid injury, hold up the wheel when unscrewing the bolts.

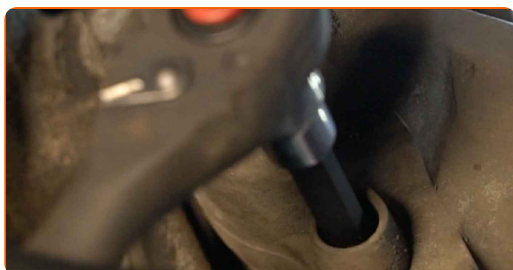
- 13** Remove the wheel.



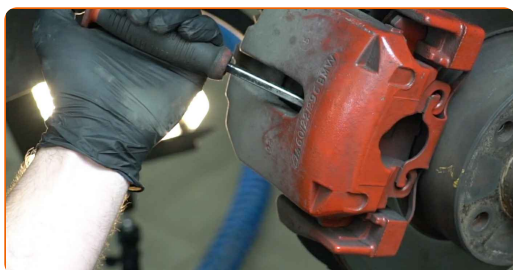
- 14** Remove the dust boot caps of the brake caliper guide pins. Use a crowbar.



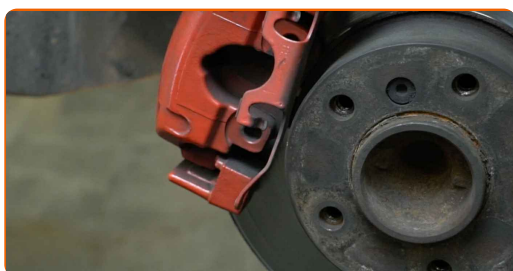
- 15** Unscrew the brake caliper fastening. Use HEX No.H7. Use a ratchet wrench.



- 16** Spread the brake pads. Use a crowbar.



- 17** Detach the brake caliper retaining spring. Use a crowbar.



18

Remove the brake caliper.



Replacement: brake discs – BMW E39. AUTODOC experts recommend:

- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- Make sure that the brake caliper is not hanging on the brake hose.
- Don't press the brake pedal after the brake caliper has been removed. As a result, the piston can fall out from the brake cylinder, and brake fluid leakage and depressurization of the system may occur.
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

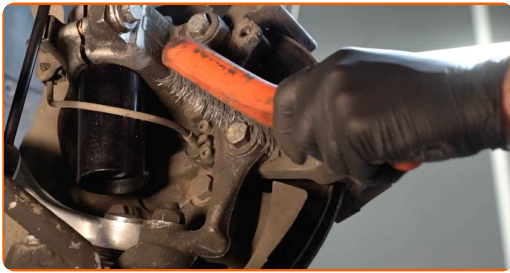
19

Remove the brake pads.



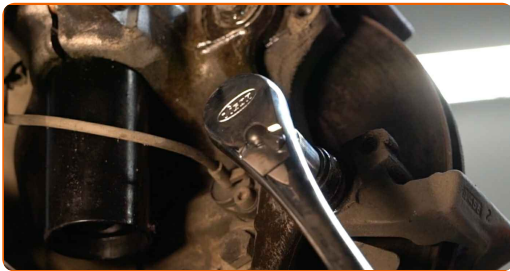
20

Clean the brake caliper bracket fasteners. Use a wire brush. Use WD-40 spray.



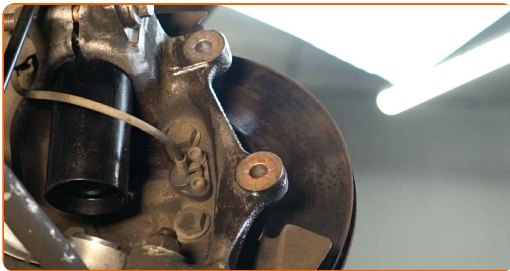
21

Unscrew the caliper bracket fastening. Use a drive socket #18. Use a tap wrench.



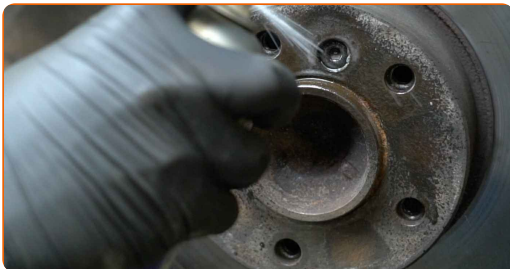
22

Remove the caliper bracket.



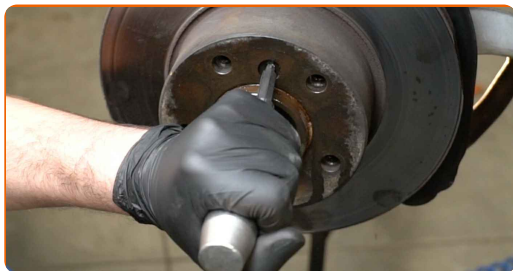
23

Clean the brake disc fasteners. Use a wire brush. Use WD-40 spray.



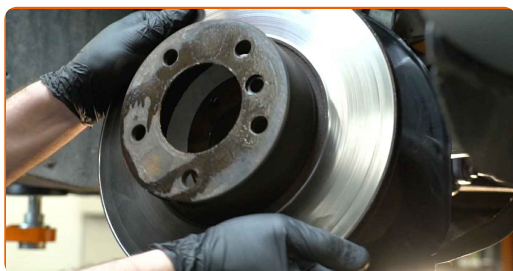
24

Unscrew the brake disc fastening. Use HEX No.H6. Use an impact screwdriver.



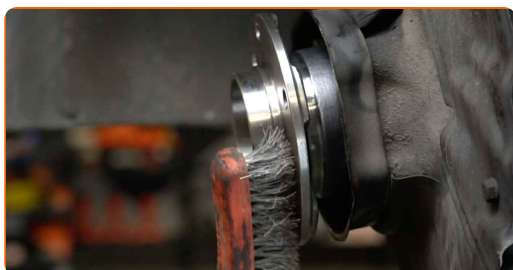
25

Remove the brake disc.



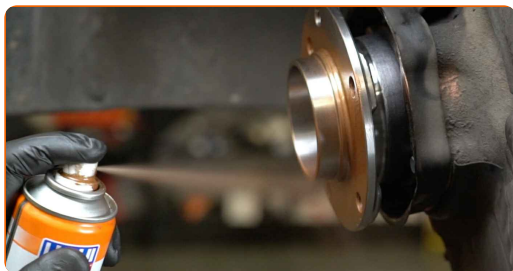
26

Clean the hub. Use a wire brush.



27

Treat the contacting surface. Use copper grease.



28

Install the brake disc.



29

Tighten the brake disc fastening. Use HEX No.H6. Use a torque wrench. Tighten it to 16 Nm torque.



30

Clean the brake caliper bracket from dirt and dust. Use a wire brush. Use a brake cleaner.



AUTODOC recommends:

- Replacement: brake discs – BMW E39. After applying the spray, wait a few minutes.

31

Install the brake caliper bracket.

