

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 5 Touring (E39) 520i 2.0, BMW 5 Touring (E39) 523i 2.5, BMW 5 Touring (E39) 528i 2.8, BMW 5 Touring (E39) 530d 3.0, BMW 5 Touring (E39) 525tds 2.5, BMW 5 Touring (E39) 520d 2.0, BMW 5 Touring (E39) 525d 2.5, BMW 5 Touring (E39) 520i 2.2, BMW 5 Touring (E39) 525i 2.5

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 (E39) 520i 2.0

REPLACEMENT: BRAKE DISCS – BMW 5 TOURING (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 5 Touring (E39). AUTODOC experts recommend:

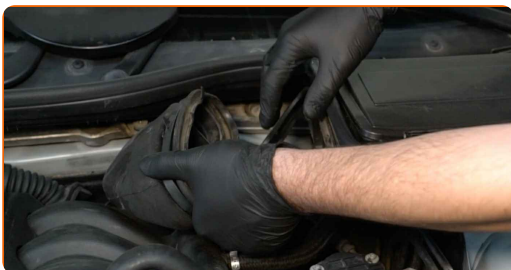
- Replace the brake disks on the car BMW 5 Touring (E39) in complete set for each axis. Regardless of the state of components. This will ensure even braking.
- The replacement procedure is identical for both brake disks on the same axle.
- When changing the brake discs, always replace the brake pads.
- All work should be done with the engine stopped.

REPLACEMENT: BRAKE DISCS – BMW 5 TOURING (E39). TAKE THE FOLLOWING STEPS:

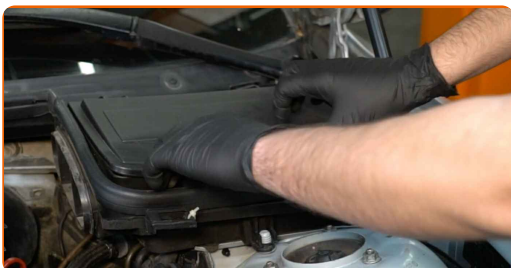
1 Open the hood.

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

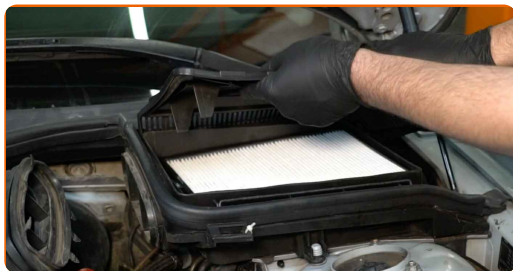
3 Detach the air duct from the cabin filter housing.



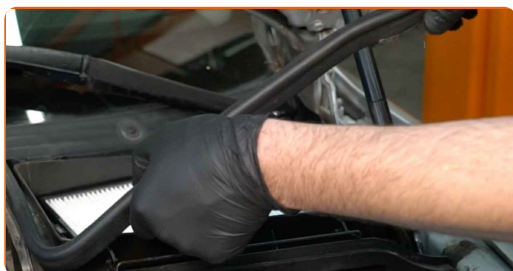
4 Release the cabin filter cover clips.



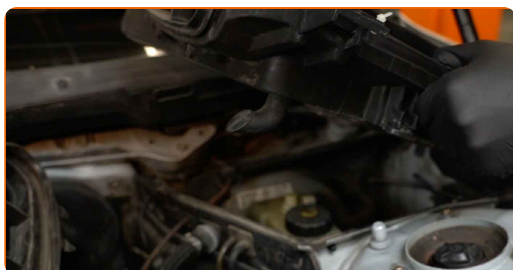
- 5 Remove the cabin filter housing cover.



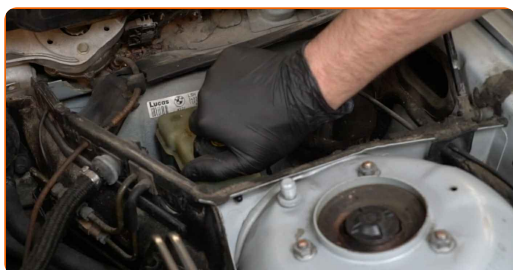
- 6 Remove the cabin filter housing seal.



- 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.

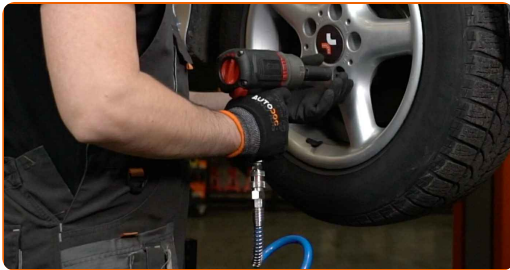


11

Raise the front of the car and secure on supports.

12

Unscrew the wheel bolts.

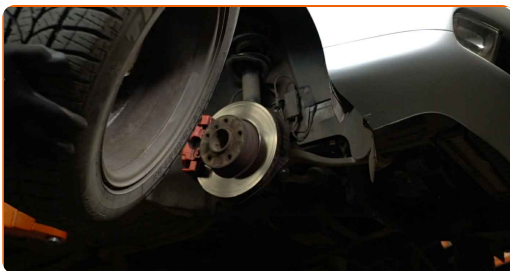


Replacement: brake discs – BMW 5 Touring (E39). Tip from AUTODOC:

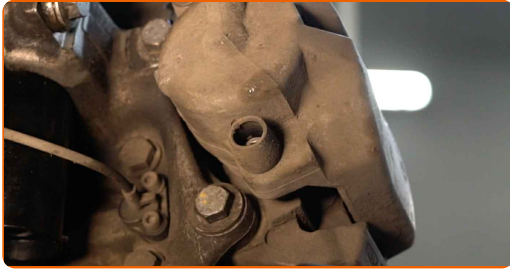
- To avoid injury, hold up the wheel when unscrewing the bolts.

13

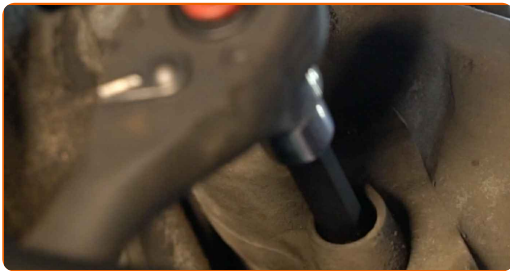
Remove the wheel.



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



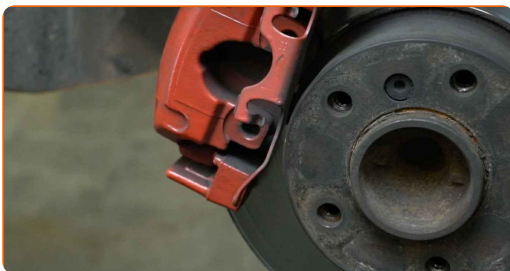
- 15** Unscrew the brake caliper fastening. Use HEX No.H7. Use a ratchet wrench.



- 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 5 Touring (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.

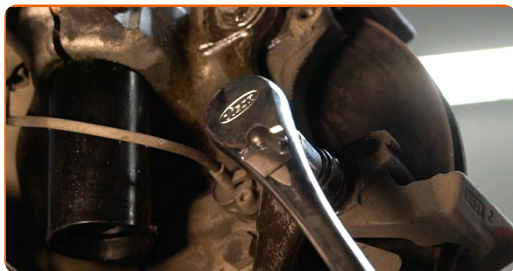
**20**

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



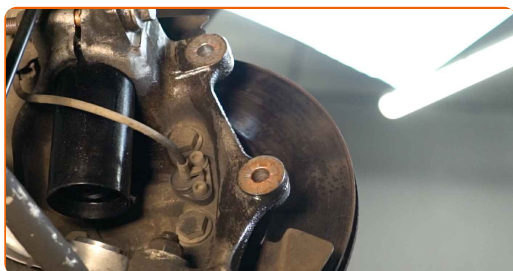
21

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



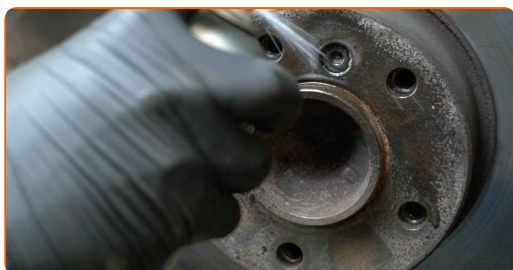
22

Remove the caliper bracket.



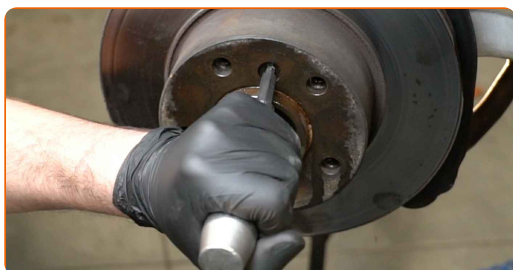
23

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

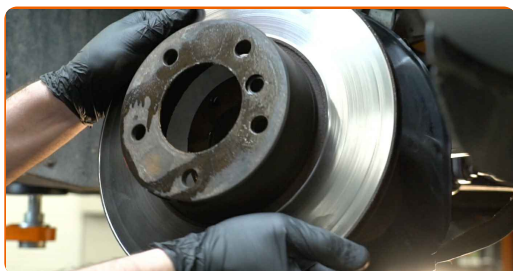


24

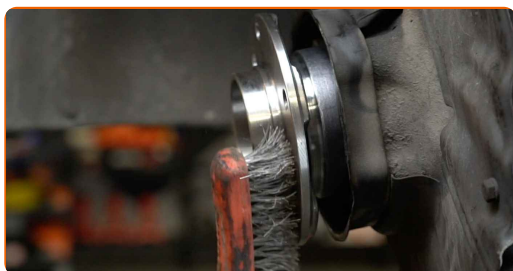
Unscrew the brake disc fastening. Use HEX No.H6. Use an impact screwdriver.



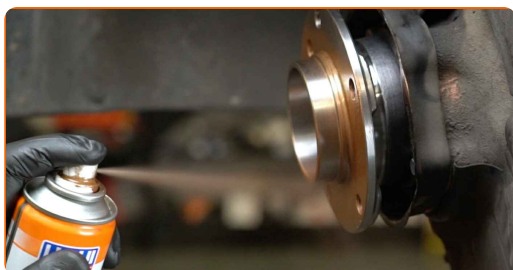
25 Remove the brake disc.



26 Clean the hub. Use a wire brush.



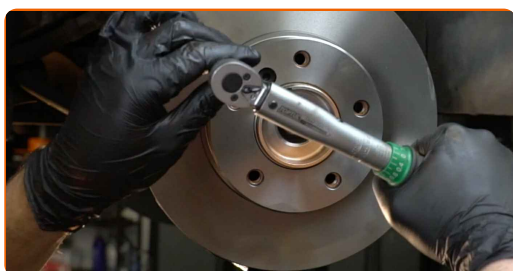
27 Treat the contacting surface. Use copper grease.



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 5 Touring (E39). After applying the spray, wait a few minutes.

31

Install the brake caliper bracket.



32

Tighten the brake caliper bracket. Use a drive socket #18. Use a torque wrench. Tighten it to 110 Nm torque.

