

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) 525tds 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). TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #16
- HEX bit no.H6.
- HEX bit no.H7.
- Drive socket # 16
- 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 recommends:

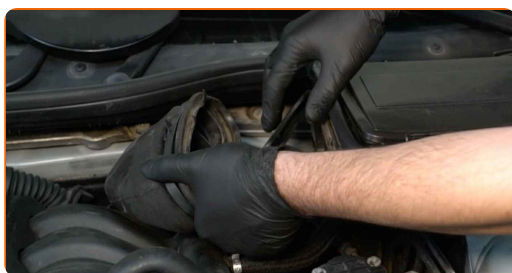
- Replace the brake disks on the car BMW 5 Touring (E39) in complete set for each axis. Regardless of the state of components. This will ensure even braking.
- The replacement procedure is identical for both brake disks on the same axle.
- When changing the brake discs, always replace the brake pads.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

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

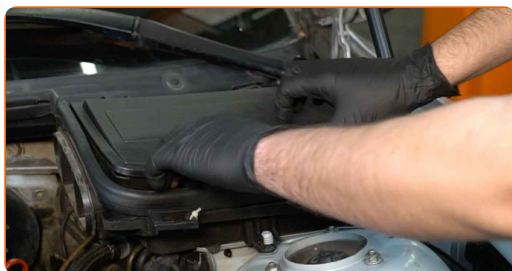
1 Open the bonnet.

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

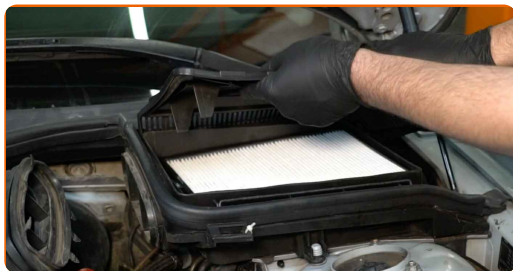
3 Detach the air duct from the cabin filter housing.



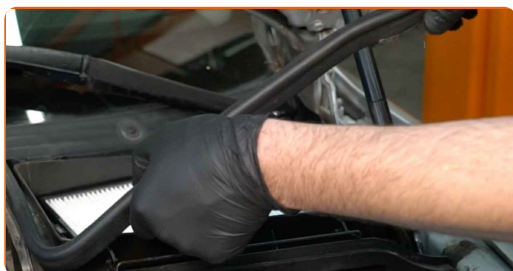
4 Release the cabin filter cover clips.



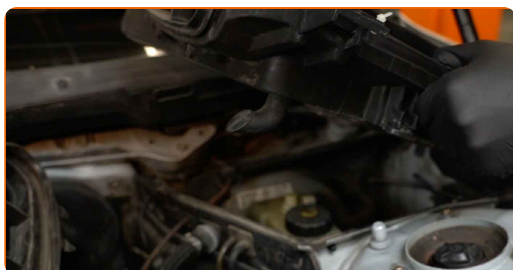
- 5 Remove the cabin filter housing cover.



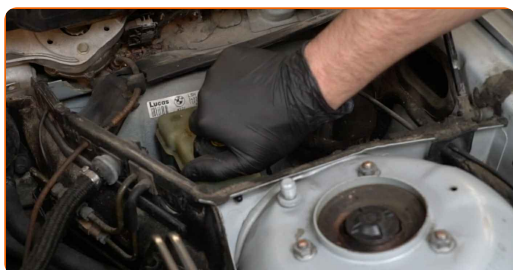
- 6 Remove the cabin filter housing seal.



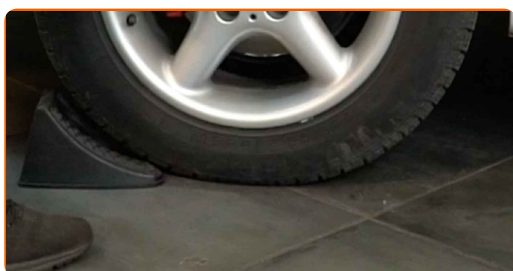
- 7 Remove the cabin air filter housing.



- 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 rear of the car and secure on supports.

12

Unscrew the wheel bolts.



AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. BMW 5 Touring (E39)

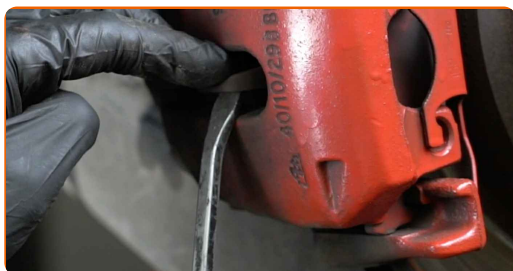
13

Remove the wheel.



14

Disconnect the brake pads wear sensor. Use a crowbar.

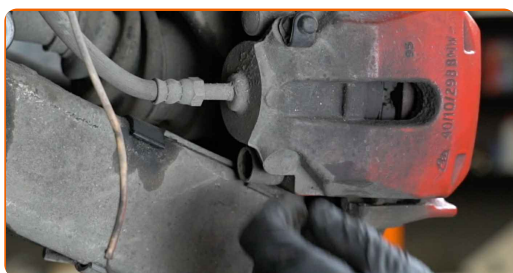


Please note!

- Some cars are not equipped with the brake pad wear sensor.

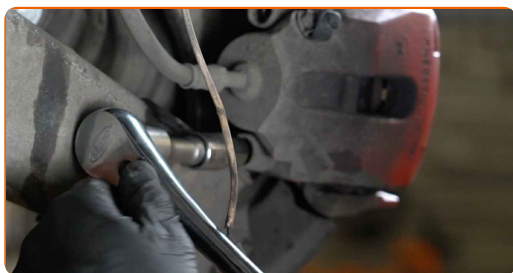
15

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



16

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



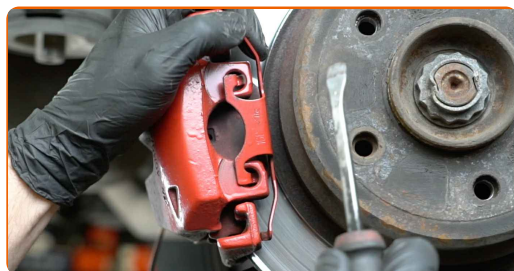
17

Spread the brake pads. Use a crowbar.



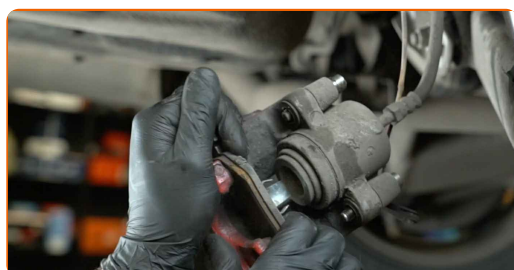
18

Detach the brake caliper retaining spring. Use a crowbar.



19

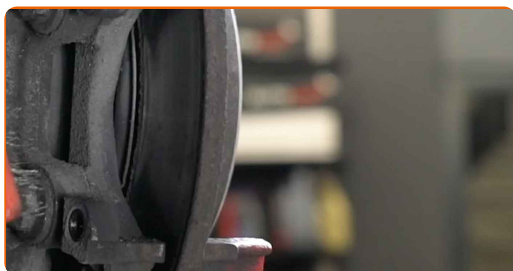
Remove the brake caliper.



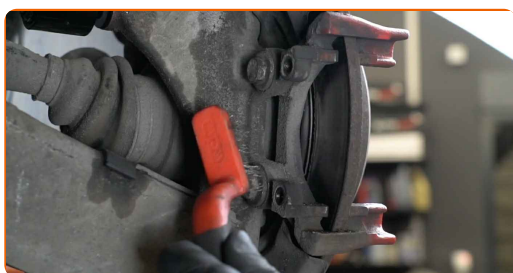
Replacement: brake discs – BMW 5 Touring (E39). Professionals recommend:

- 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.

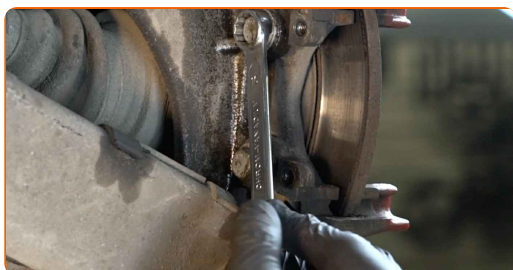
20 Remove the brake pads.



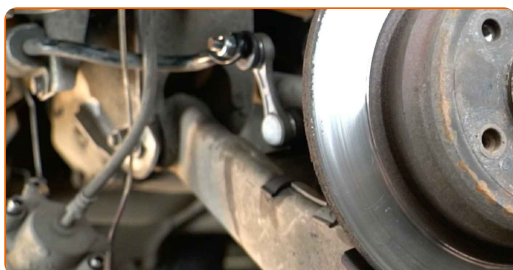
21 Clean the brake caliper bracket fasteners. Use a wire brush. Use WD-40 spray.



22 Unscrew the caliper bracket fastening. Use a combination spanner #16.

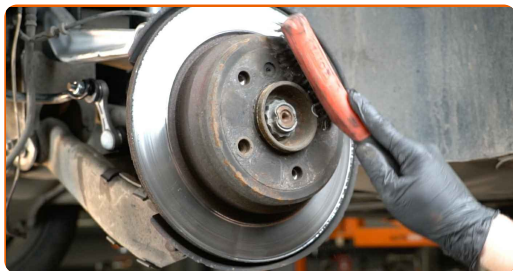


23 Remove the caliper bracket.



24

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



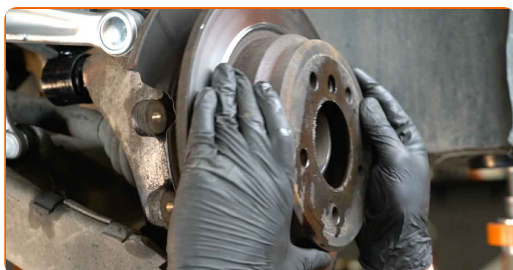
25

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



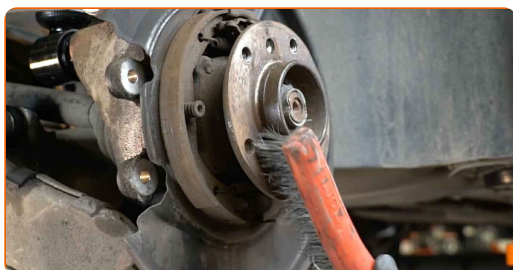
26

Remove the brake disc.



27

Clean the hub. Use a wire brush. 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:

- After applying the spray, wait a few minutes.

31 Install the brake caliper bracket.

