

VIDEO TUTORIAL



Important!

This replacement procedure can be used for:

BMW 1 Coupe (E82) 118d 2.0, BMW 1 Coupe (E82) 120d 2.0, BMW 1 Convertible (E88) 120i 2.0, BMW 1 Convertible (E88) 125i 3.0, BMW 1 Coupe (E82) 125i 3.0, BMW 1 Convertible (E88) 118i 2.0, BMW 1 Convertible (E88) 120d 2.0, BMW 1 Convertible (E88) 118d 2.0, BMW 1 Coupe (E82) 120i 2.0, BMW 1 Convertible (E88) 128i 3.0

The steps may slightly vary depending on the car design.

REPLACEMENT: BRAKE DISCS – BMW E82. LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Anti-squeal paste
- Copper grease
- Drive socket # 16
- HEX bit no.H6.
- HEX bit no.H7.
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Brake caliper wind back tool
- Tap wrench
- Impact screwdriver
- Crow bar
- Fender cover
- Wheel chock

BUY TOOLS

Replacement: brake discs – BMW E82. Professionals recommend:

- Replace the brake disks on the car BMW E82 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 E82 – should be done with the engine switched off.

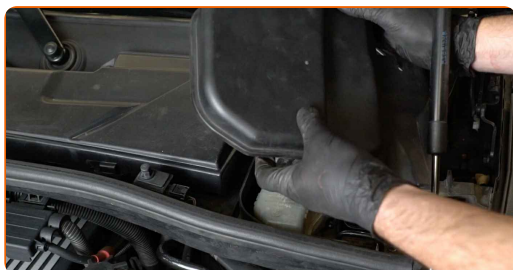
CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Open the bonnet.

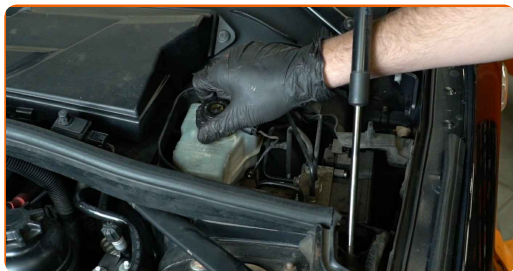


2 Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.

3 Remove the wiper arm cover.



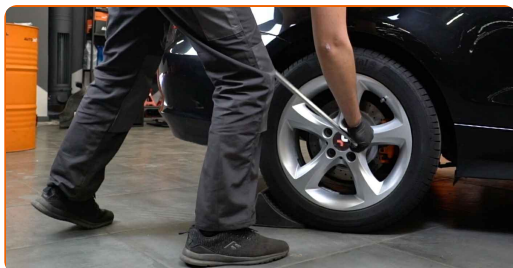
4 Unscrew the brake fluid reservoir cap.



5 Secure the wheels with chocks.



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



7 Raise the rear of the car and secure on supports.



8 Unscrew the wheel bolts.



Replacement: brake discs – BMW E82. AUTODOC recommends:

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

9

Remove the wheel.



10

Disconnect the brake pads wear sensor. Use a crowbar.



Please note!

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

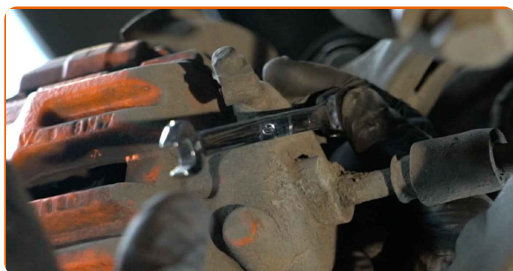
11

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



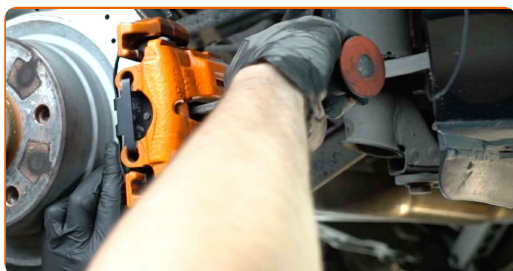
12

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



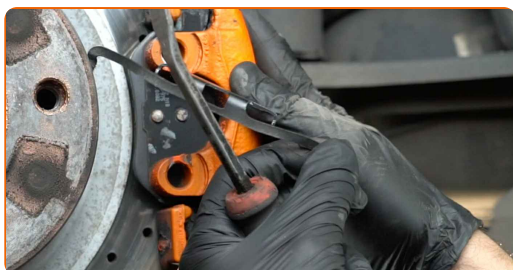
13

Spread the brake pads. Use a crowbar.



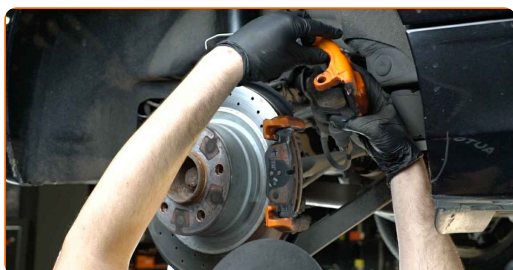
14

Detach the brake caliper retaining spring. Use a crowbar.



15

Remove the brake caliper.



Replacement: brake discs – BMW E82. AUTODOC experts recommend:

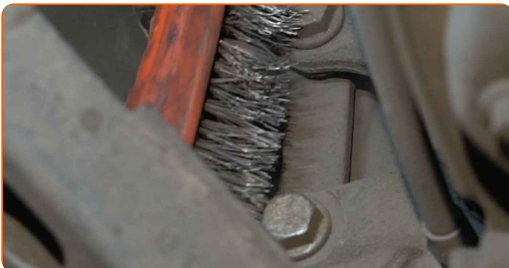
- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- Make sure that the brake caliper is not hanging on the brake hose.
- Don't press the brake pedal after the brake caliper has been removed. As a result, 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.

16

Remove the brake pads.

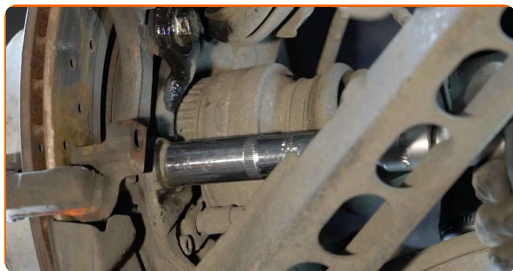
**17**

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



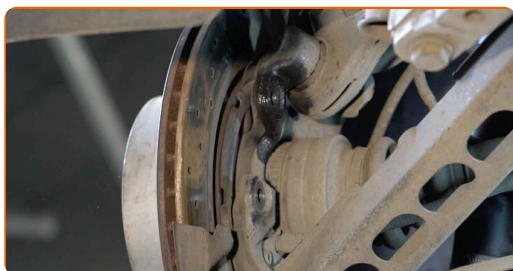
18

Unscrew the caliper bracket fastening. Use a drive socket #16. Use a tap wrench.



19

Remove the caliper bracket.



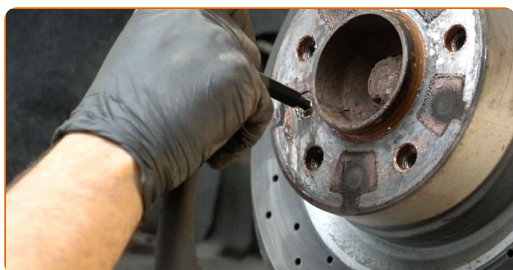
20

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



21

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



22 Remove the brake disc.



23 Clean the hub. Use a wire brush. Treat the contacting surface. Use copper grease.



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



AUTODOC recommends:

- Replacement: brake discs – BMW E82. After applying the spray, wait a few minutes.

25 Install the brake disc.



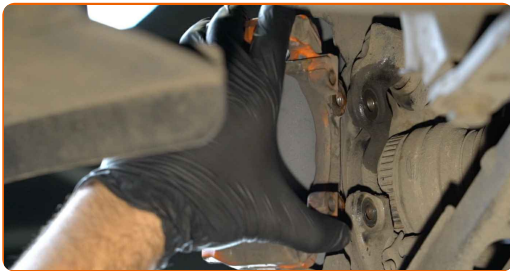
26

Tighten the brake disc fastening. Use HEX No.H6. Use a torque wrench. Tighten it to 9 Nm torque.



27

Install the brake caliper bracket.



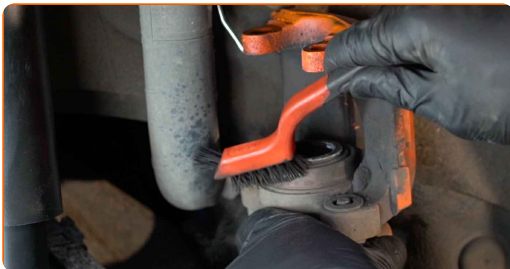
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Tighten the brake caliper bracket. Use a drive socket #16. Use a torque wrench. Tighten it to 65 Nm torque.



29

Treat the brake caliper piston. Use a brake cleaner.



Replacement: brake discs – BMW E82. Tip:

- After applying the spray, wait a few minutes.