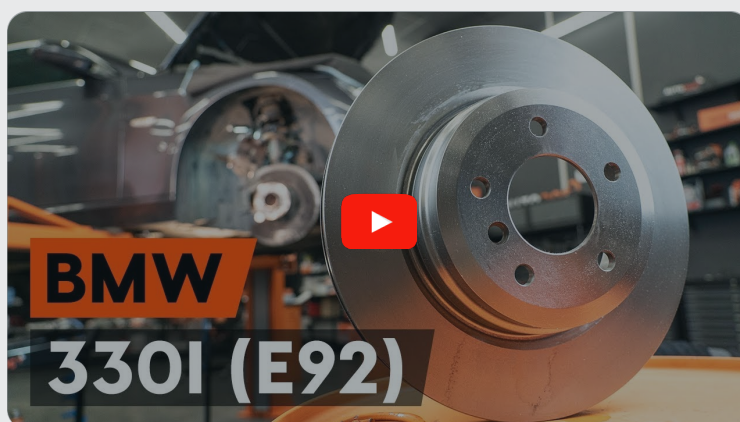


## VIDEO TUTORIAL



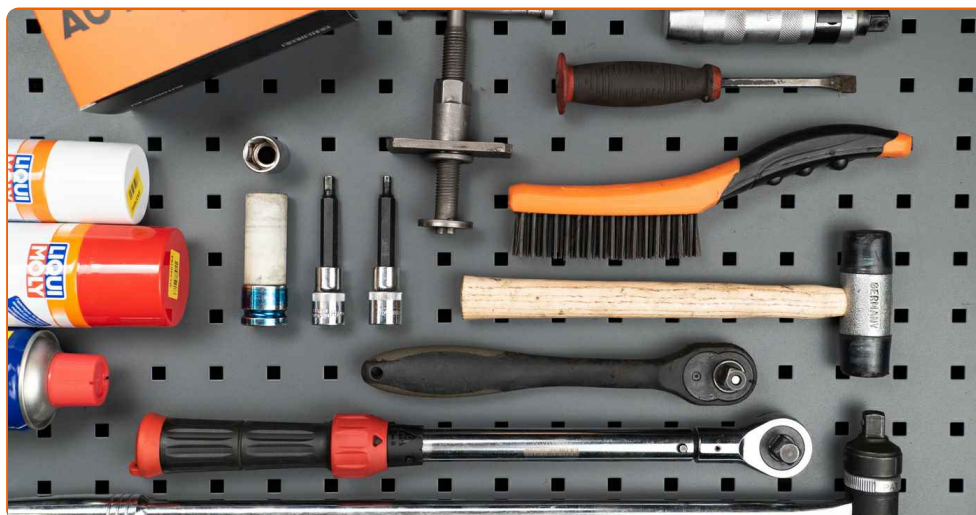
### Important!

This replacement procedure can be used for:

BMW 3 Touring (E91) 325i 3.0, BMW X1 (E84) xDrive 28 i, BMW 3 Saloon (E90) 320d xDrive 2.0, BMW 3 Convertible (E93) 325d 3.0, BMW 3 Saloon (E90) 325i 2.5, BMW 3 Saloon (E90) 330i 3.0, BMW 3 Saloon (E90) 320d 2.0, BMW 1 Hatchback (E81) 130i 3.0, BMW 3 Touring (E91) 325i 2.5, BMW 3 Touring (E91) 330i 3.0, BMW 3 Touring (E91) 320d 2.0, BMW 3 Saloon (E90) 330d 3.0, BMW 3 Touring (E91) 330d 3.0, BMW 3 Saloon (E90) 325xi 2.5, BMW 3 Saloon (E90) 330xi 3.0, (+ 47)

The steps may slightly vary depending on the car design.

## REPLACEMENT: BRAKE DISCS – BMW E92. LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Anti-squeal paste
- Copper grease
- HEX bit No.H5.
- HEX bit No.H7.
- Drive socket # 17
- Wheel impact socket #17
- Brake caliper wind back tool
- Ratchet wrench
- Torque wrench
- Tap wrench
- Impact screwdriver
- Crow bar
- Fender cover
- Wheel chock

**BUY TOOLS**

### Replacement: brake discs – BMW E92. Tip from AUTODOC experts:

- Replace the brake disks on the car BMW E92 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 E92. RECOMMENDED SEQUENCE OF STEPS:

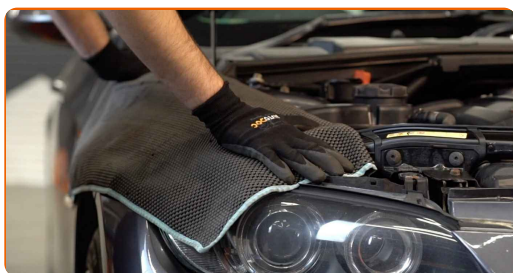
1

Open the hood.



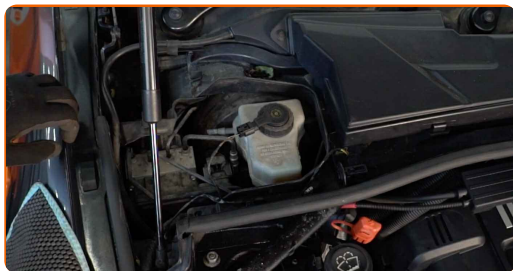
2

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.

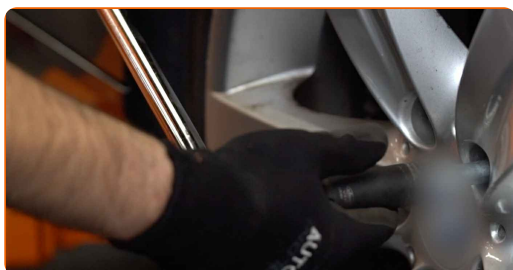


5

Secure the wheels with chocks.

6

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



7

Raise the front of the car and secure on supports.



8

Unscrew the wheel bolts.



### Replacement: brake discs – BMW E92. Tip:

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

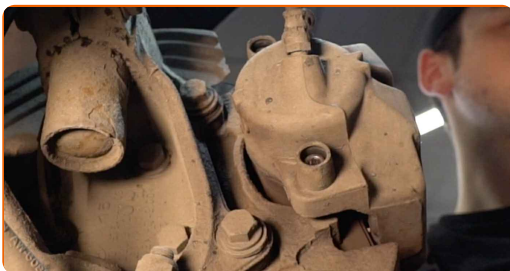
9

Remove the wheel.



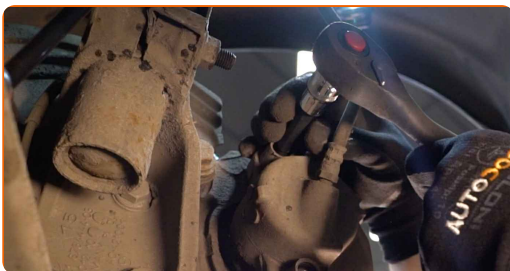
10

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

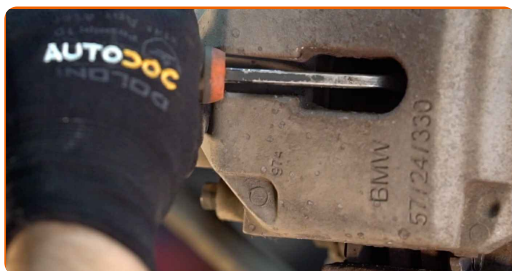


11

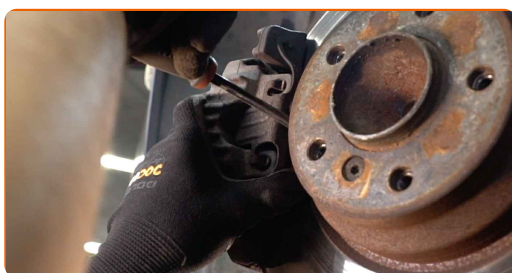
Unscrew the brake caliper fastening. Use HEX No.H7. Use a ratchet wrench.



- 12 Spread the brake pads. Use a crowbar.



- 13 Detach the brake caliper retaining spring. Use a crowbar.



- 14 Remove the brake caliper.



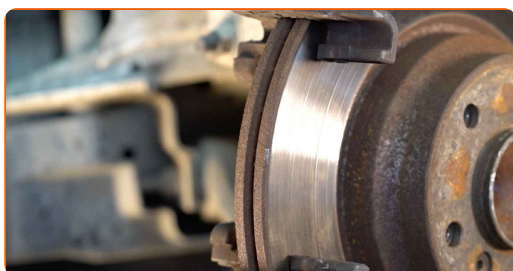


### Replacement: brake discs – BMW E92. Professionals recommend:

- 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.

15

Remove the brake pads.



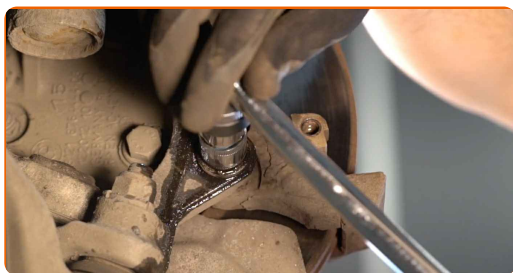
16

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



17

Unscrew the caliper bracket fastening. Use a drive socket #17. Use a tap wrench.



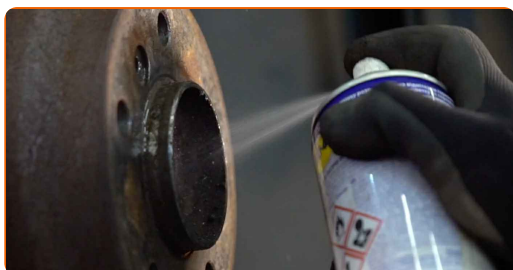
18

Remove the caliper bracket.



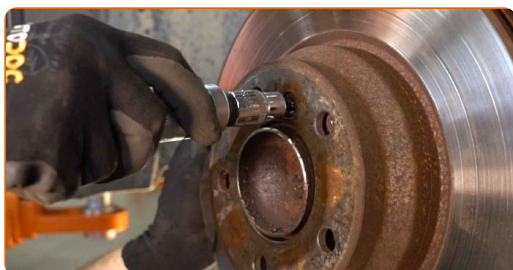
19

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



20

Unscrew the brake disc fastening. Use HEX No.H5. Use an impact screwdriver.





21

Remove the brake disc.



22

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



23

Install the brake disc.



24

Tighten the brake disc fastening. Use HEX No.H5. Use a torque wrench. Tighten it to 16 Nm torque.



25

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

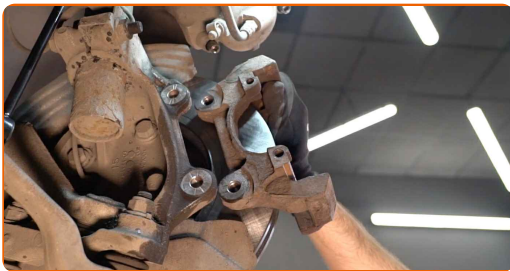


### AUTODOC recommends:

- Replacement: brake discs – BMW E92. After applying the spray, wait a few minutes.

26

Install the brake caliper bracket.



27

Tighten the brake caliper bracket. Use a drive socket #17. Use a torque wrench. Tighten it to 110 Nm torque.

