

## 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 3 Saloon (E46) 318i 1.9, BMW 3 Saloon (E46) 320d 2.0, BMW 3 Saloon (E46) 323i 2.5, BMW 3 Saloon (E46) 320i 2.0, BMW 3 Saloon (E46) 316i 1.9, BMW 3 Saloon (E46) 320i 2.2, BMW 3 Saloon (E46) 318i 2.0, BMW 3 Saloon (E46) 318d 2.0, BMW 3 Saloon (E46) 316i 1.8

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 3 Convertible (E46) 318Ci 2.0

## REPLACEMENT: BRAKE DISCS – BMW 3 SALOON (E46). TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Torx bit T30
- Drive socket # 16
- HEX bit No.H7.
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Brake caliper wind back tool
- Tap wrench
- Impact screwdriver
- Rubber mallet
- Crow bar
- Wheel chock

**Buy tools**

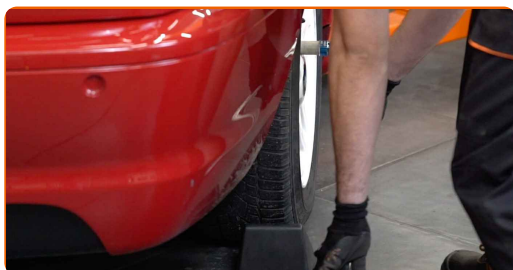
### Replacement: brake discs – BMW 3 Saloon (E46). AUTODOC recommends:

- Replace the brake disks on the car BMW 3 E46 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 3 SALOON (E46). USE THE FOLLOWING PROCEDURE:

1 Open the bonnet. Unscrew the brake fluid reservoir cap.

2 Secure the wheels with chocks.



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

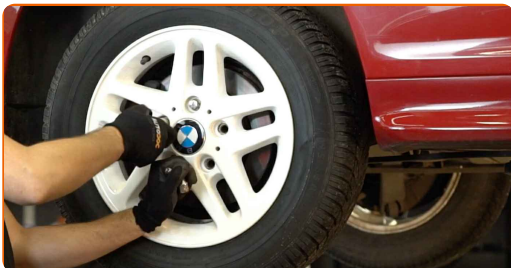


4

Raise the rear of the car and secure on supports.

5

Unscrew the wheel bolts.



### AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. BMW 3 Saloon (E46)

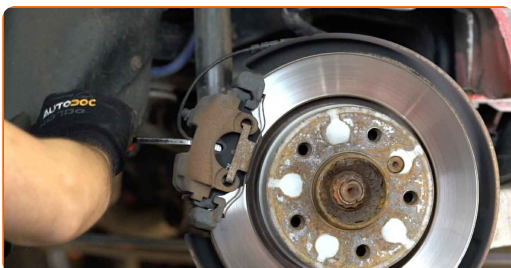
6

Remove the wheel.



7

Spread the brake pads. Use a crowbar.



8

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



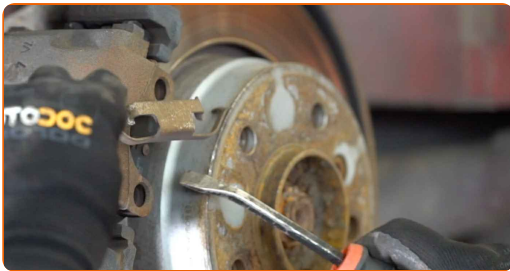
9

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



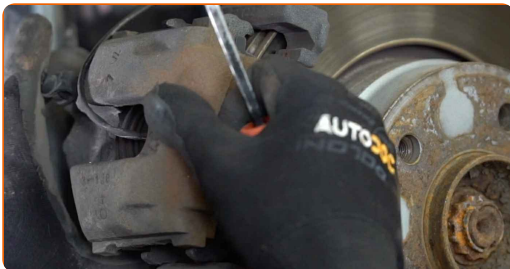
10

Detach the brake caliper retaining spring. Use a crowbar.



11

Remove the brake caliper.

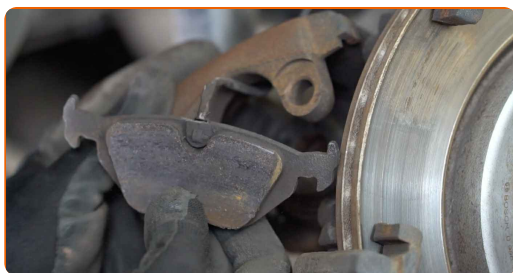


**Replacement: brake discs – BMW 3 Saloon (E46). Professionals recommend:**

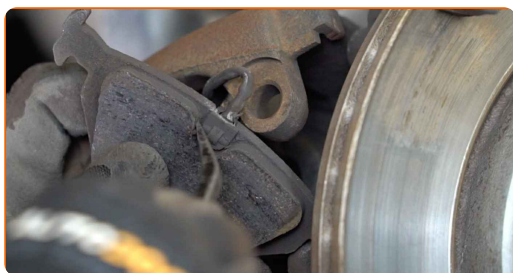
- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- Make sure that the brake caliper is not hanging on the brake hose.
- Don't press the brake pedal after the brake caliper has been removed. As a result,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

**12**

Remove the brake pads. Use a crowbar.

**13**

Disconnect the brake pads wear sensor. Use a crowbar.

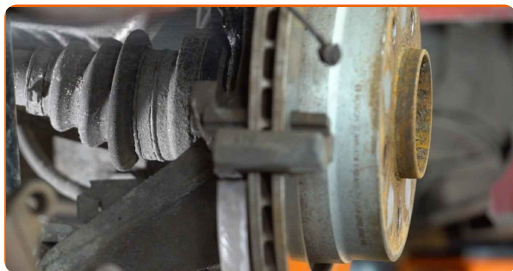
**Please note!**

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



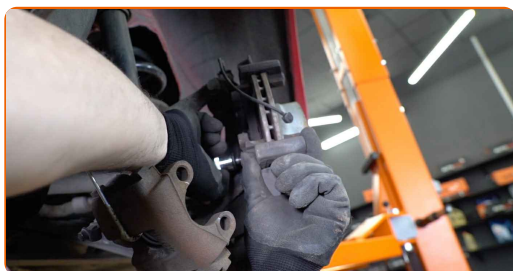
14

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



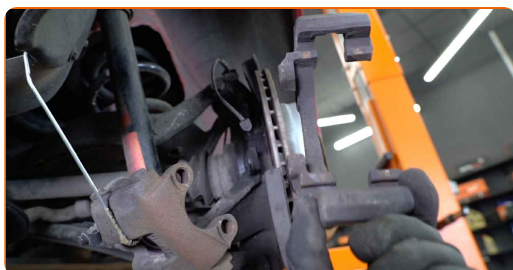
15

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



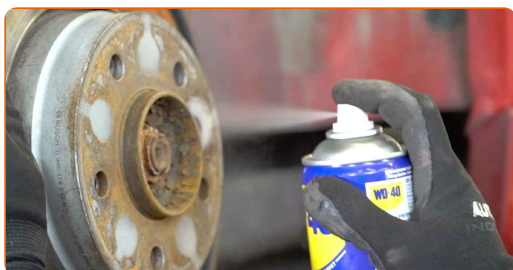
16

Remove the caliper bracket.



17

Clean the brake disk surface. Use a wire brush. Use WD-40 spray.



18

Unscrew the brake disc fastening. Use Torx T30. Use an impact screwdriver.



Replacement: brake discs – BMW 3 Saloon (E46). AUTODOC experts recommend:

- If necessary, use a rubber mallet.

19

Remove the brake disc.



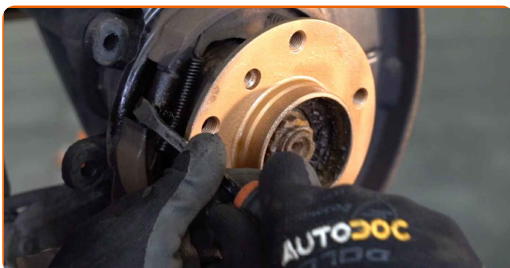
20

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



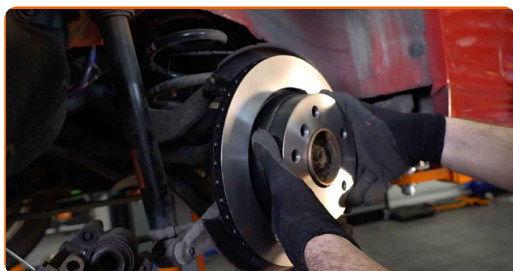
21

Move the parking brake shoes against the drum. Use a crowbar.

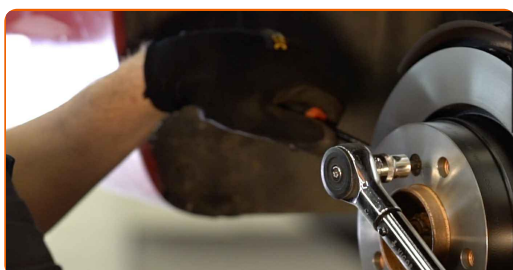




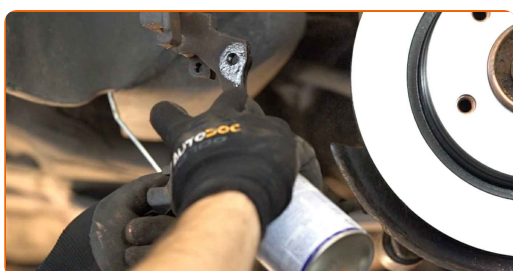
**22** Install the brake disc.



**23** Tighten the brake disc fastening. Use Torx T30. Use a torque wrench. Tighten it to 16 Nm torque.



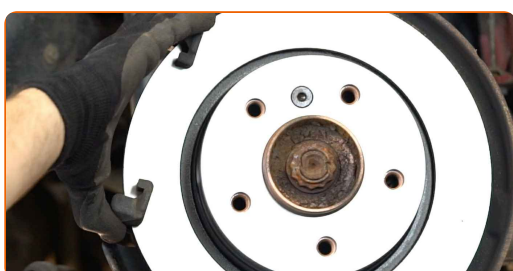
**24** Clean the brake caliper bracket from dirt and dust. Use a wire brush. Use a brake cleaner.



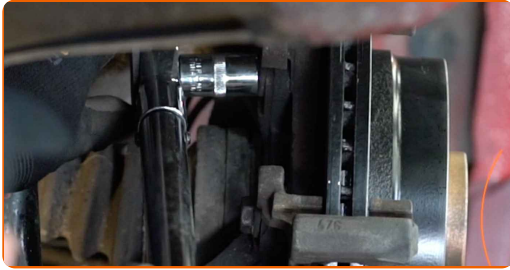
### AUTODOC recommends:

- Replacement: brake discs – BMW 3 Saloon (E46). After applying the spray, wait a few minutes.

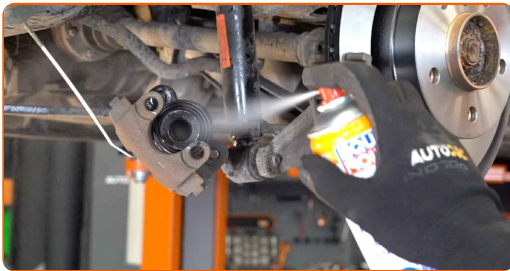
**25** Install the brake caliper bracket.



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



- 27 Treat the brake caliper piston. Use a brake cleaner.



### AUTODOC recommends:

- After applying the spray, wait a few minutes.

- 28 Press in the brake caliper piston. Use brake caliper wind back tool.



- 29 Install the brake pads.

