

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) 316i 1.6, 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 NEED:



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

Buy tools

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

- Replace the brake disks on the car BMW 3 Saloon (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.

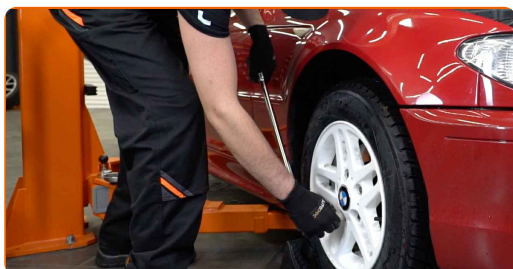
REPLACEMENT: BRAKE DISCS – BMW 3 SALOON (E46). USE THE FOLLOWING PROCEDURE:

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

2 Secure the wheels with chocks.

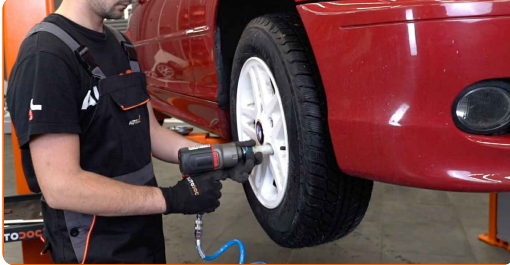


3 Loosen the wheel mounting bolts. Use wheel impact socket #17.



4 Raise the front of the car and secure on supports.

5 Unscrew the wheel bolts.



Replacement: brake discs – BMW 3 Saloon (E46). Tip:

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

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.



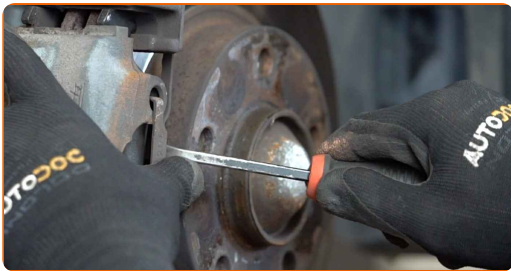
9

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.

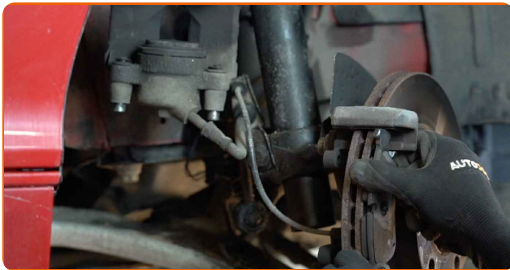


Replacement: brake discs – BMW 3 Saloon (E46). AUTODOC experts recommend:

- 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.

12

Remove the brake pads.

**13**

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



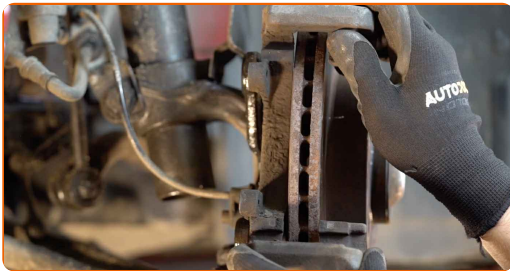
14

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



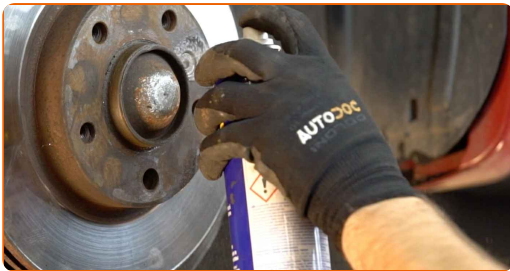
15

Remove the caliper bracket.



16

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



17

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



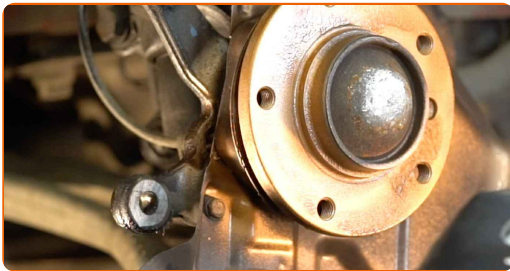
Replacement: brake discs – BMW 3 Saloon (E46). Tip from AUTODOC:

- If necessary, use a rubber mallet.

18 Remove the brake disc.



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



20 Install the brake disc.



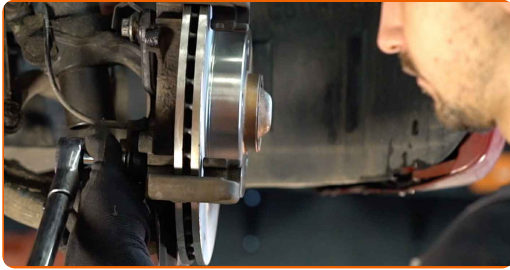
21 Tighten the brake disc fastening. Use Torx T30. Use a torque wrench. Tighten it to 16 Nm torque.



22 Install the brake caliper bracket.



- 23** Tighten the brake caliper bracket. Use a drive socket #16. Use a torque wrench. Tighten it to 110 Nm torque.



- 24** Clean the mounting seats of the caliper and its bracket. 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 pads in the brake caliper bracket.



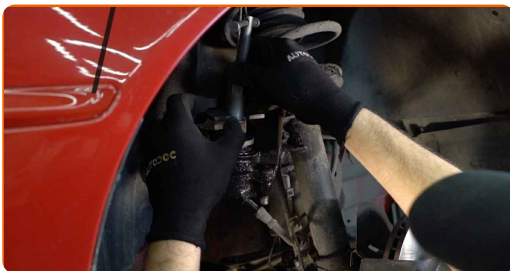
- 26 Treat the brake caliper piston. Use a brake cleaner.



AUTODOC recommends:

- After applying the spray, wait a few minutes.

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



- 28 Install the brake pads in the brake caliper.



- 29 Install the brake caliper and fix it. Use HEX No.H7. Use a torque wrench. Tighten it to 30 Nm torque.

