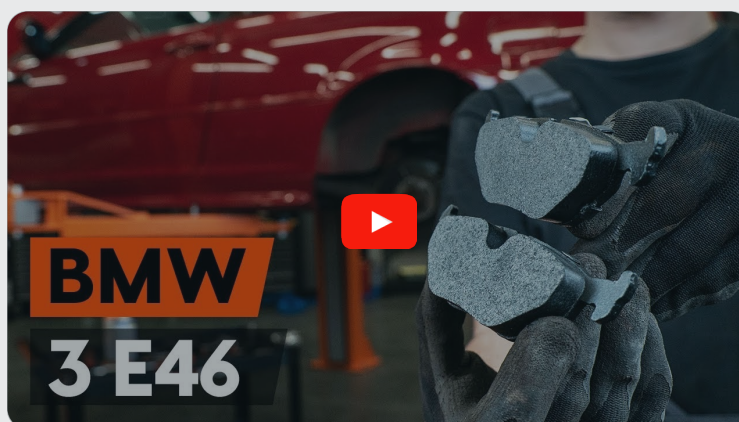


## SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

### **Important!**

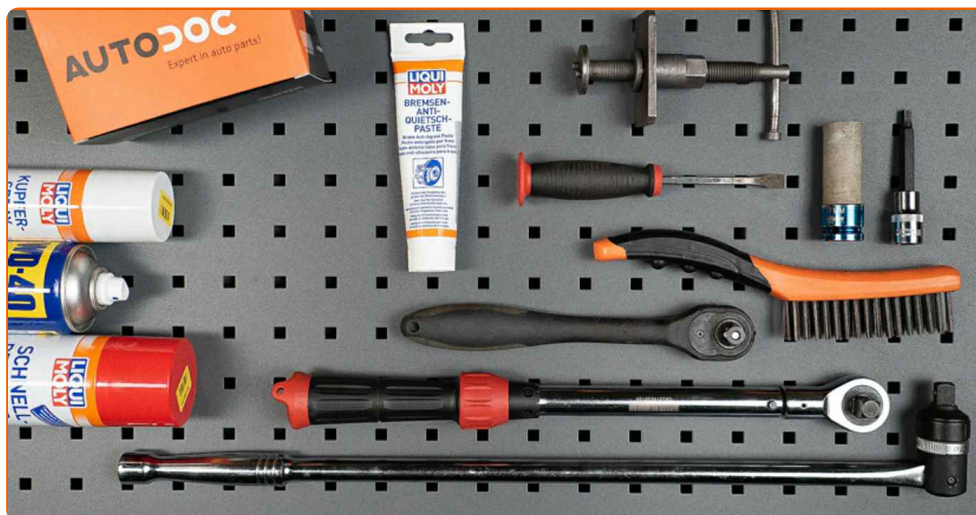
This replacement procedure can be used for:

BMW 3 Compact (E46) 316ti 1.8, BMW 3 Compact (E46) 325ti 2.5, BMW 3 Compact (E46) 318ti 2.0, BMW 3 Compact (E46) 320td 2.0, BMW 3 Compact (E46) 318td 2.0, BMW 3 Compact (E46) 316ti 1.6, BMW 3 Compact (E46) 318Ti 2.0

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 PADS – BMW 3 COMPACT (E46). TOOLS YOU'LL NEED:



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

**Buy tools**

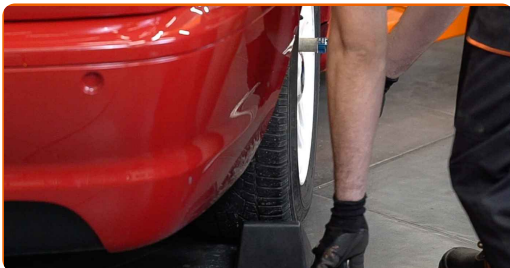
**Replacement: brake pads – BMW 3 Compact (E46). AUTODOC recommends:**

- Perform the replacement of brake pads in complete set for each axis. This provides effective braking.
- The replacement procedure is identical for all brake pads on the same axle.
- All work should be done with the engine stopped.

**REPLACEMENT: BRAKE PADS – BMW 3 COMPACT (E46). TAKE THE FOLLOWING STEPS:**

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

**2** Secure the wheels with chocks.



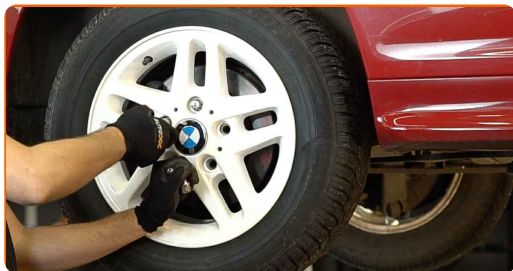
**3** Loosen the wheel mounting bolts. Use wheel impact socket #17.



**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 Compact (E46)

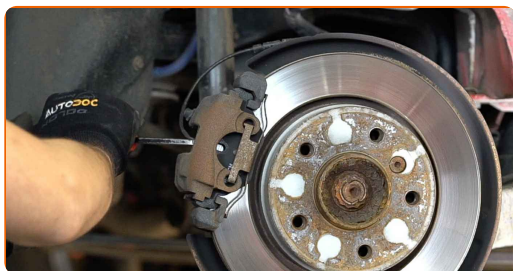
6

Remove the wheel.



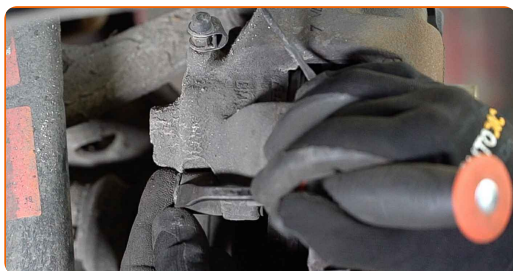
7

Spread the brake pads. Use a crowbar.



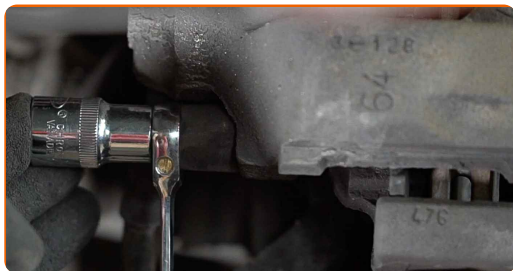
8

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



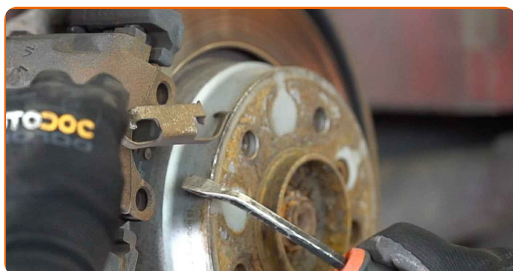
9

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



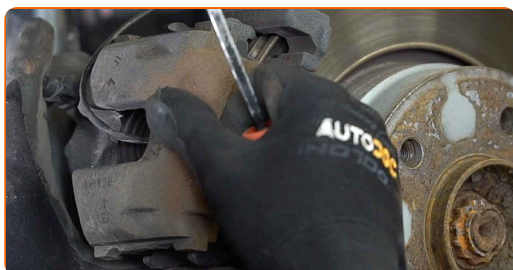
10

Detach the brake caliper retaining spring. Use a crowbar.



11

Remove the brake caliper.



### Replacement: brake pads – BMW 3 Compact (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.



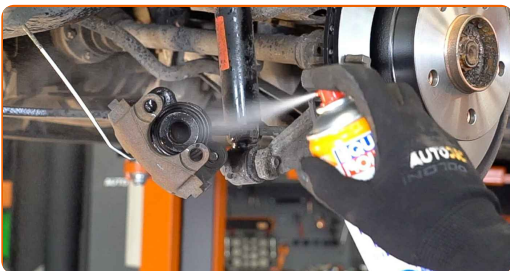
- 13 Disconnect the brake pads wear sensor. Use a crowbar.



#### Please note!

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

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



#### AUTODOC recommends:

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

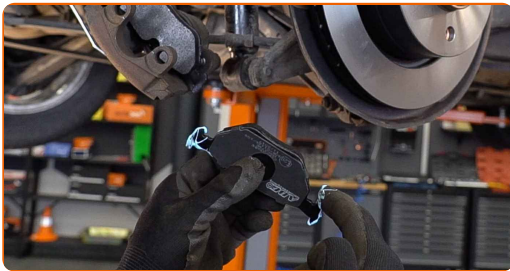
15

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



16

Treat the back side of the new brake pads. Use anti-squeal paste.



### AUTODOC recommends:

- Make sure the disc surface is clean before installing the pads.

17

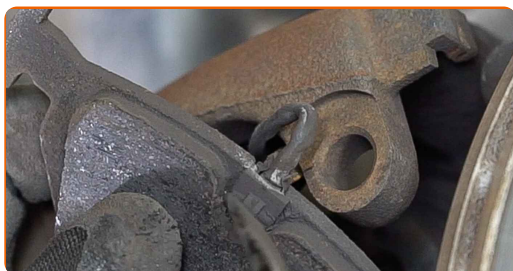
Install new brake pads.



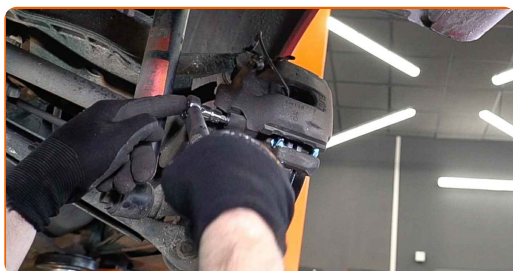
Replacement: brake pads – BMW 3 Compact (E46). Tip from AUTODOC:

- Make sure the pads are installed with linings facing the disc.

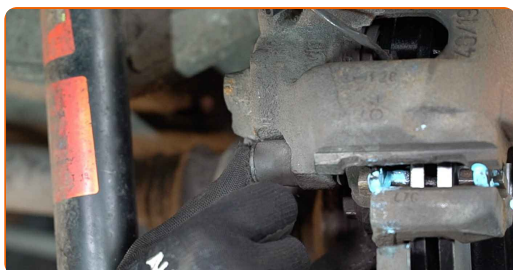
- 18 Connect the brake pads wear sensor.



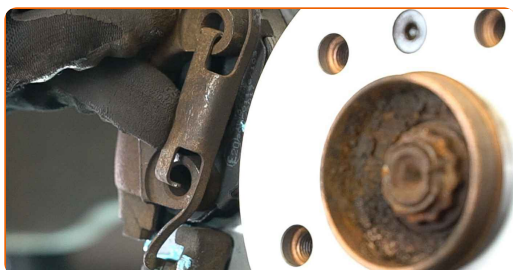
- 19 Install the brake caliper and fix it. Use HEX No.H7. Use a torque wrench. Tighten it to 30 Nm torque.



- 20 Install the dust boot caps of the brake caliper guide pins.



- 21 Install the brake caliper retaining spring.



- 22 Clean the brake disk surface. Use a brake cleaner.



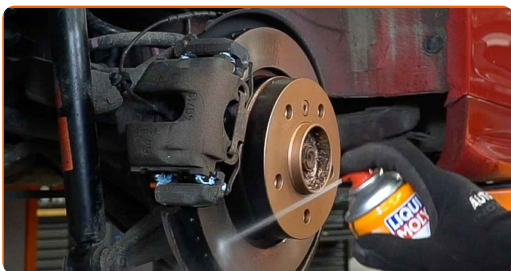


## AUTODOC recommends:

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

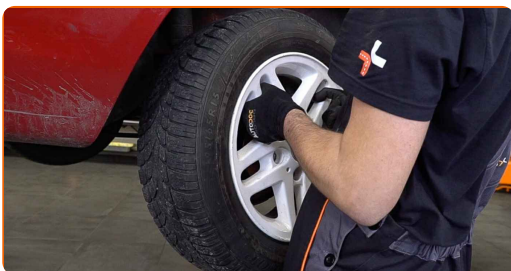
23

Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



24

Install the wheel.



## Replacement: brake pads – BMW 3 Compact (E46). Tip:

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

25

Screw in the wheel bolts. Use wheel impact socket #17.



- 26** Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 120 Nm torque.



### AUTODOC recommends:

- BMW 3 Compact (E46) – Press the brake pedal several times with the engine shut down until you feel the resistance built up.

- 27** Remove the jacks and chocks.



### Replacement: brake pads – BMW 3 Compact (E46). Tip from AUTODOC experts:

- Check the brake fluid level in the expansion tank and refill if necessary.

- 28** Tighten the brake fluid reservoir cap. Close the hood.