

SIMILAR VIDEO TUTORIAL



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

Important!

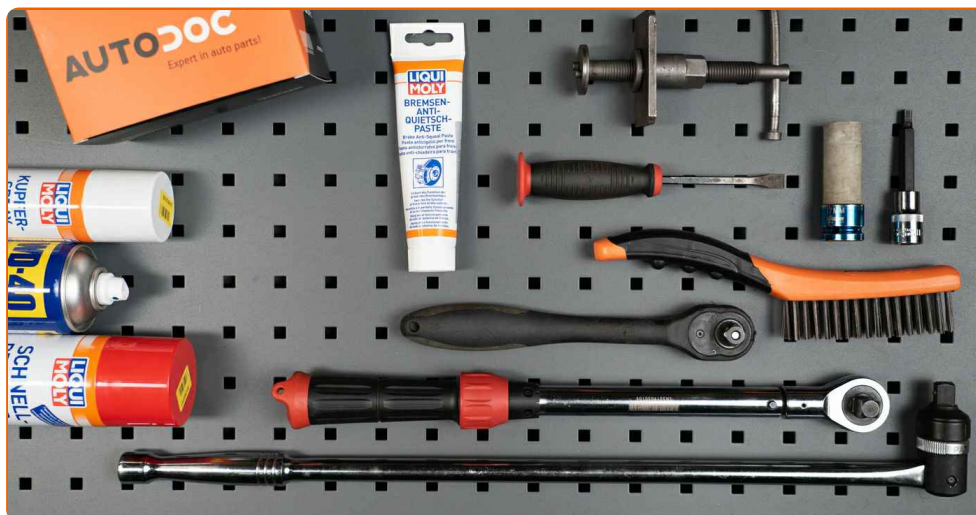
This replacement procedure can be used for:

BMW 3 Saloon (E21) 315 1.6, BMW 3 Saloon (E21) 316 1.6, BMW 3 Saloon (E21) 316 1.8, BMW 3 Saloon (E21) 318 1.8, BMW 3 Saloon (E21) 318i 1.8, BMW 3 Saloon (E21) 320/6 2.0, BMW 3 Saloon (E21) 323i 2.3

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 SALOON (E21). TOOLS YOU MIGHT NEED:



- Wire brush
- 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

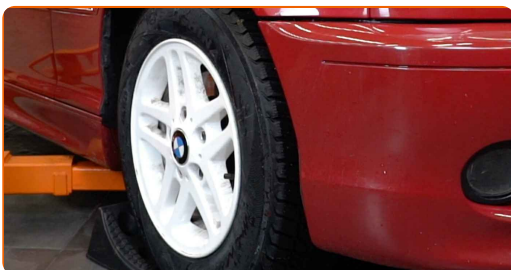
Replacement: brake pads – BMW 3 Saloon (E21). AUTODOC experts recommend:

- 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.

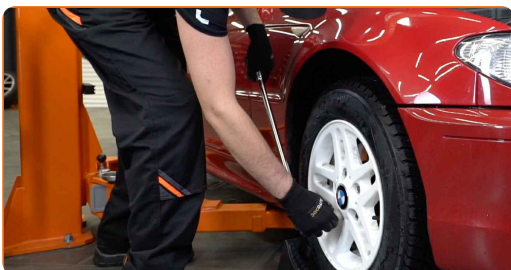
REPLACEMENT: BRAKE PADS – BMW 3 SALOON (E21). USE THE FOLLOWING PROCEDURE:

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.

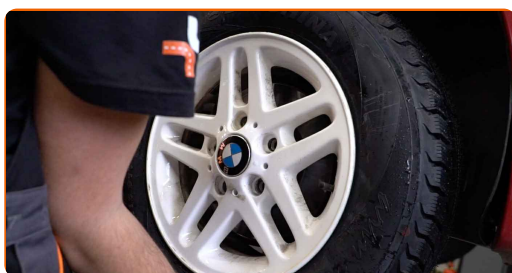


Replacement: brake pads – BMW 3 Saloon (E21). AUTODOC recommends:

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

6

Remove the wheel.



7

Spread the brake pads. Use a crowbar.



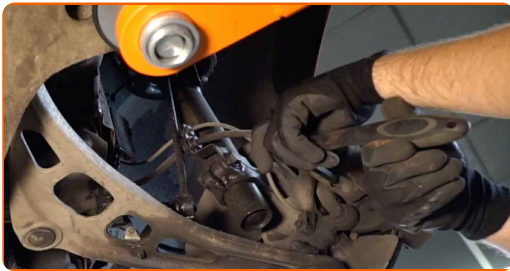
8

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.



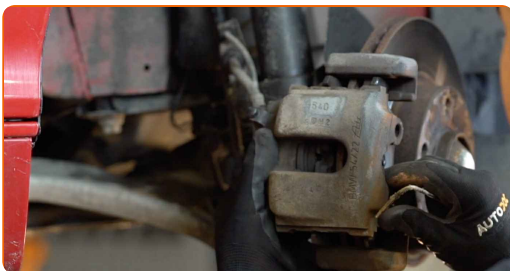
10

Detach the brake caliper retaining spring. Use a crowbar.



11

Remove the brake caliper.



AUTODOC recommends:

- 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.



AUTODOC recommends:

- Measure the brake disc thickness. Upon reaching the wear limit the part must be replaced.

13

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

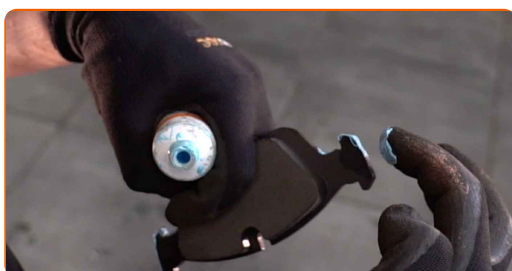


AUTODOC recommends:

- Replacement: brake pads – BMW 3 Saloon (E21). After applying the spray, wait a few minutes.

14

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



15

Treat the brake caliper piston. Use a brake cleaner.

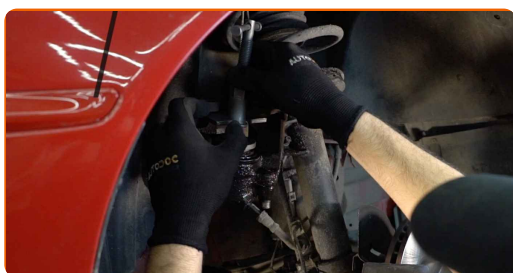


Replacement: brake pads – BMW 3 Saloon (E21). Tip:

- After applying the spray, wait a few minutes.

16

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



Replacement: brake pads – BMW 3 Saloon (E21). Professionals recommend:

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

17

Install new brake pads.

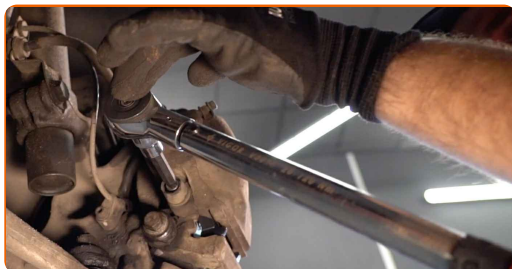


Replacement: brake pads – BMW 3 Saloon (E21). AUTODOC recommends:

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

18

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

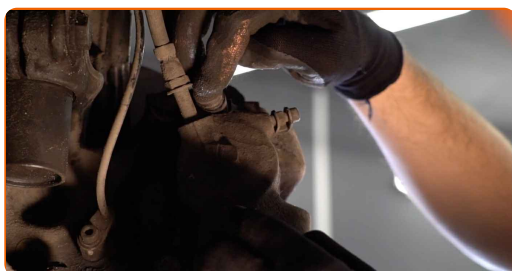


AUTODOC recommends:

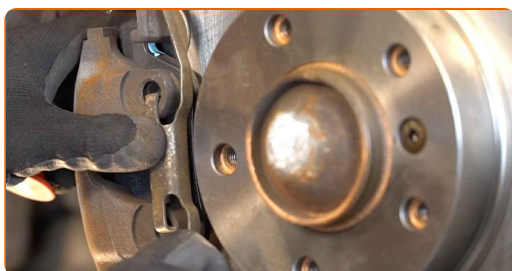
- BMW 3 Saloon (E21) – Without starting the engine, press the brake pedal several times until it feels firm.

19

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

**20**

Install the brake caliper retaining spring.



21

Clean the brake disk surface. Use a brake cleaner.



Replacement: brake pads – BMW 3 Saloon (E21). AUTODOC experts recommend:

- After applying the spray, wait a few minutes.

22

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



23

Install the wheel.



Replacement: brake pads – BMW 3 Saloon (E21). Tip from AUTODOC:

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

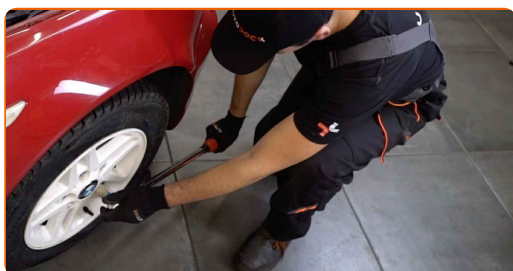
24

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



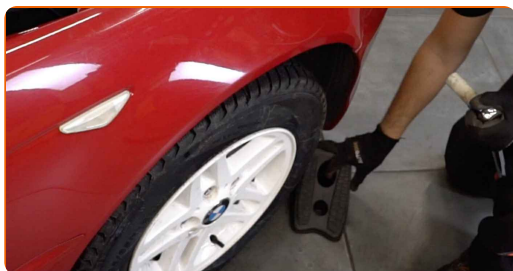
25

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



26

Remove the jacks and chocks.



AUTODOC recommends:

- Important! Replacement: brake pads – BMW 3 Saloon (E21). Check the brake fluid level in the reservoir and top up if necessary.

27

Tighten the brake fluid reservoir cap. Close the hood.