How to replace rear brake pads of disc brake on MERCEDES-BENZ VITO W638

VIDEO TUTORIAL

ⓘ Important!

This replacement procedure can be used for:
MERCEDES-BENZ V-CLASS (638/2) V 200 CDI (638.294), MERCEDES-BENZ V-CLASS (638/2) V 220 CDI (638.294), MERCEDES-BENZ VITO Box (638) 112 CDI 2.2 (638.094), MERCEDES-BENZ VITO Bus (638) 112 CDI 2.2 (638.194)

The steps may slightly vary depending on the car design.

REQUIRED TOOLS:

- Wire brush
- WD-40 spray
- Brake cleaner
- Anti-squeal paste
- Copper grease
- Drive socket # 13
- Drive socket # 16
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Brake caliper wind back tool
- Rubber mallet
- Crow bar
- Wheel chock

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.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

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:

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

6

Remove the wheel.

7

Clean the brake pads fasteners. Use a wire brush. Use a brake cleaner.

AUTODOC recommends:

- After applying the spray, wait a few minutes.

8

Remove the retaining springs of the brake pads. Use a crowbar.

9

Remove the brake pad retaining pin.

10

Remove the retainer of the brake pads. Use a crowbar. Use a rubber mallet.

11

Remove the brake pads. Use a crowbar.

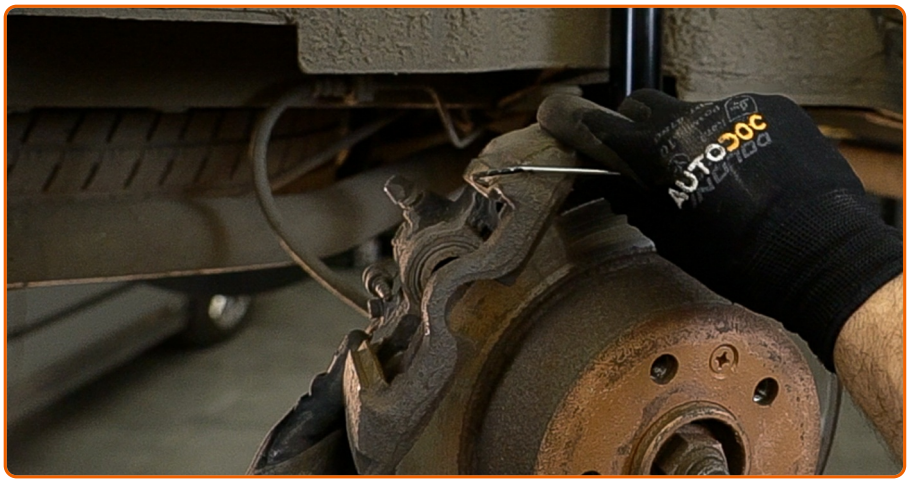
12

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

13

Unscrew the brake caliper fastening. Use a drive socket #13. Use a drive socket #16. Use a ratchet wrench.

14



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.

15

Treat the brake caliper piston. Use a brake cleaner.

AUTODOC recommends:

- After applying the spray, wait a few minutes.

16

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

17

Clean the mounting seat of the brake caliper. Use a wire brush. Use WD-40 spray.

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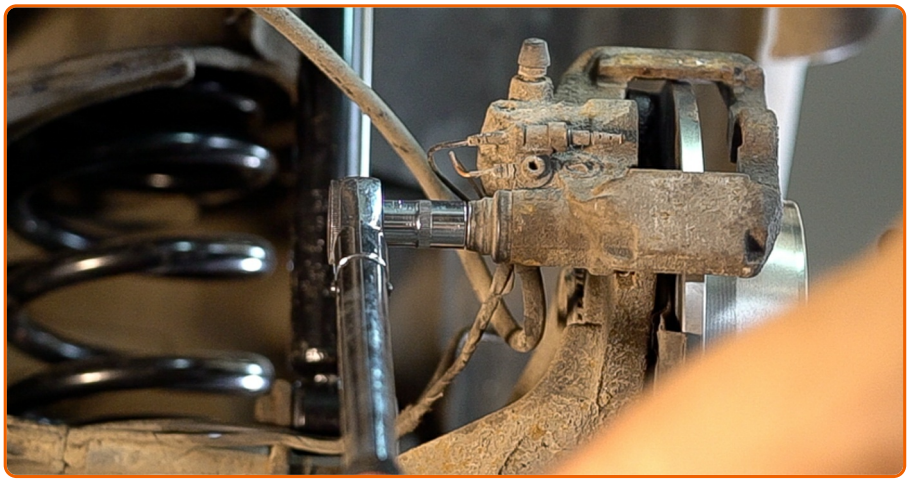


Install the brake caliper and fix it. Use a drive socket #13. Use a drive socket #16. Use a torque wrench. Tighten it to 55 Nm torque.

19

Clean the brake caliper surface. Use a wire brush. Use a brake cleaner.

AUTODOC recommends:

- After applying the spray, wait a few minutes.

20

Treat the brake caliper bracket where it contacts the brake pads. Use anti-squeal paste.

AUTODOC recommends:

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

21

Install new brake pads.

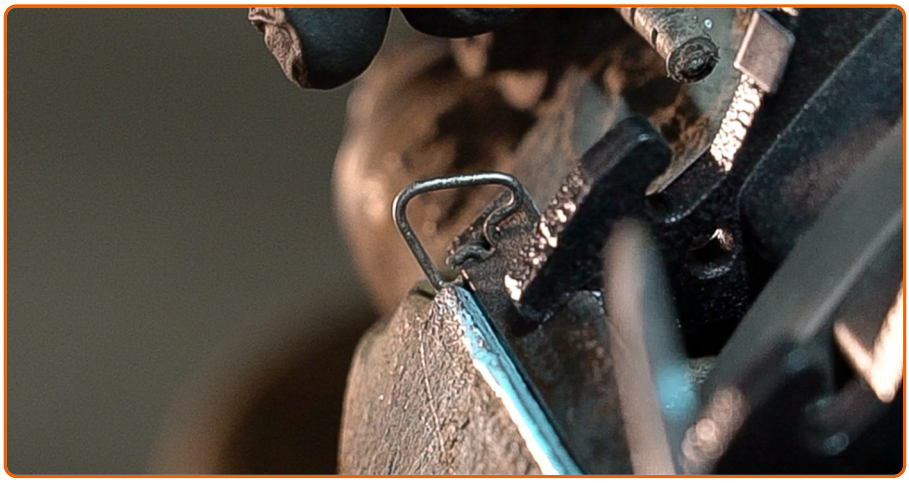
AUTODOC recommends:

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

22

Install the retainer of the brake pads.

23



Install the brake pad retaining pin.

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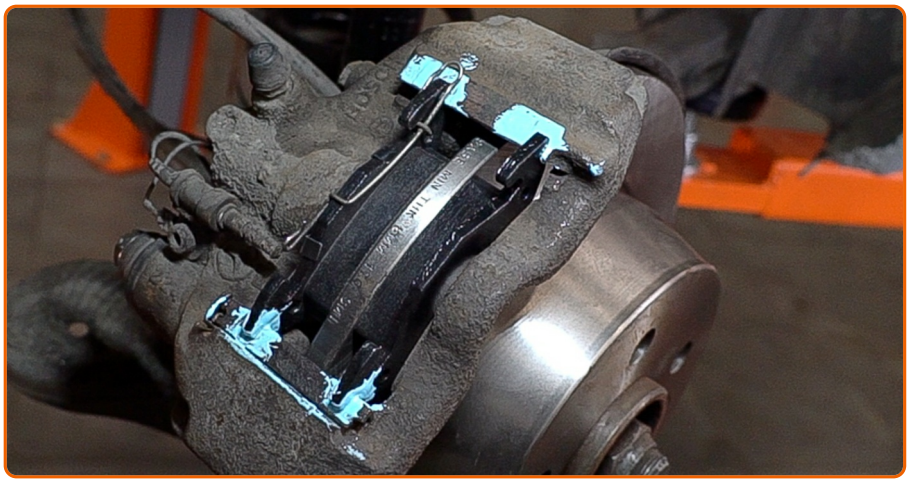

Install the retaining springs of the brake pads.

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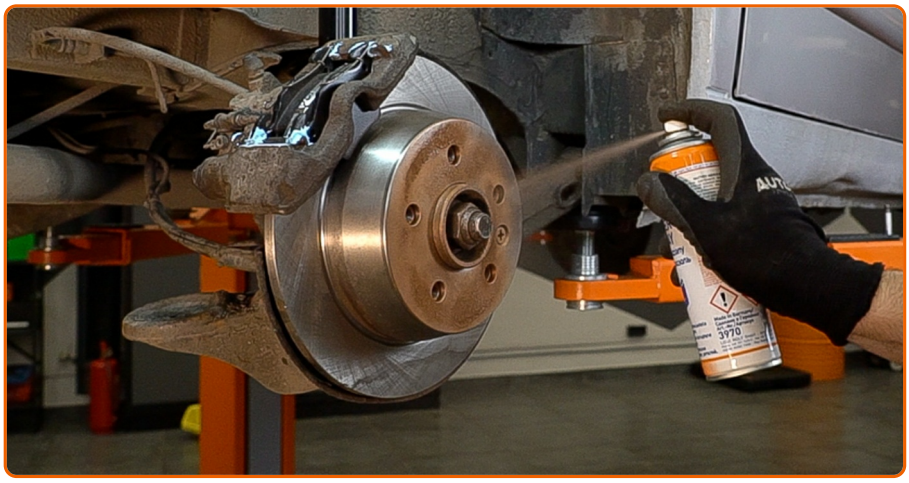

Treat the surface where the brake disc contacts the wheel rim. Use copper grease.

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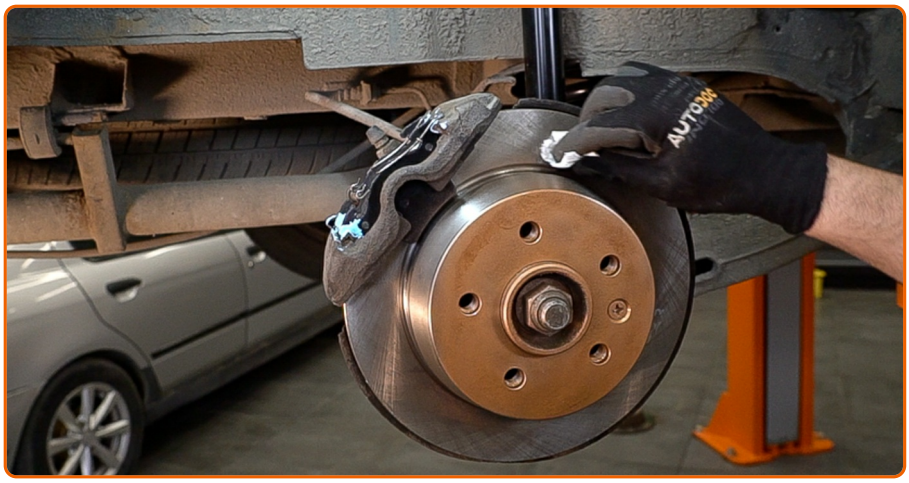

Clean the brake disk surface. Use a brake cleaner.

AUTODOC recommends:

- After applying the spray, wait a few minutes.

27

Install the wheel.

AUTODOC recommends:

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

28

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

29

Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 112 Nm torque.

AUTODOC recommends:

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

30

Tighten the brake fluid reservoir cap. Close the hood.

AUTODOC recommends:

- Without starting the engine, press the brake pedal several times until you feel significant resistance.

31

Remove the jacks and chocks.

AUTODOC recommends:

- Slow down smoothly for first 150-200 km after the brake pads replacement. Avoid unneccessary and sharp braking to a stop.

DID YOU FIND THESE INSTRUCTIONS HELPFUL?

YES NO

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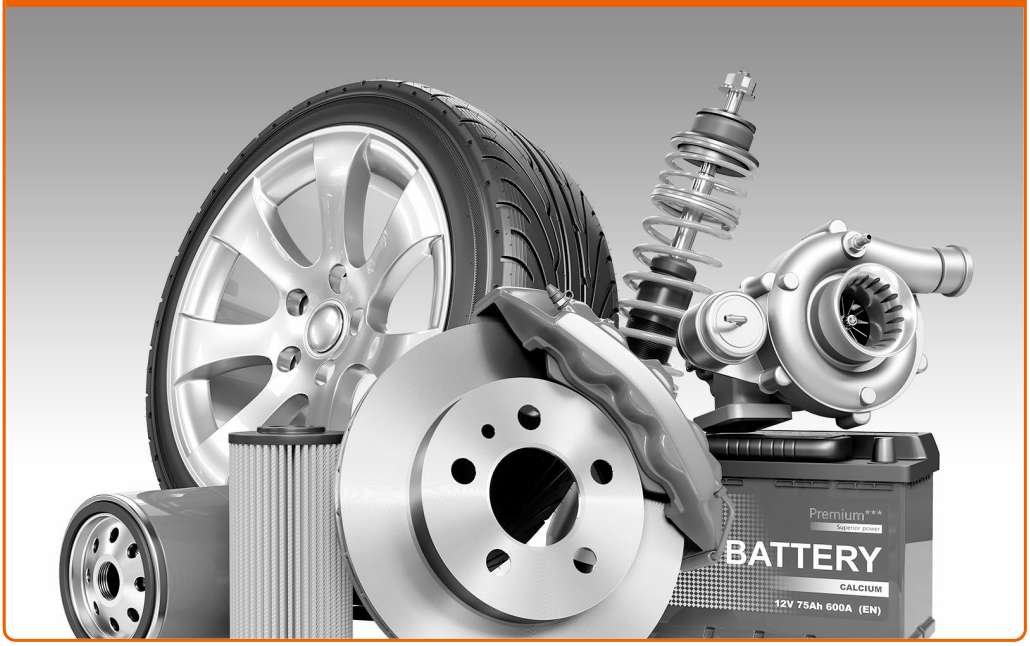

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