



How to change front
brake pads on
MERCEDES-BENZ VITO
Box (638) – replacement
guide

SIMILAR VIDEO TUTORIAL



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

Important!

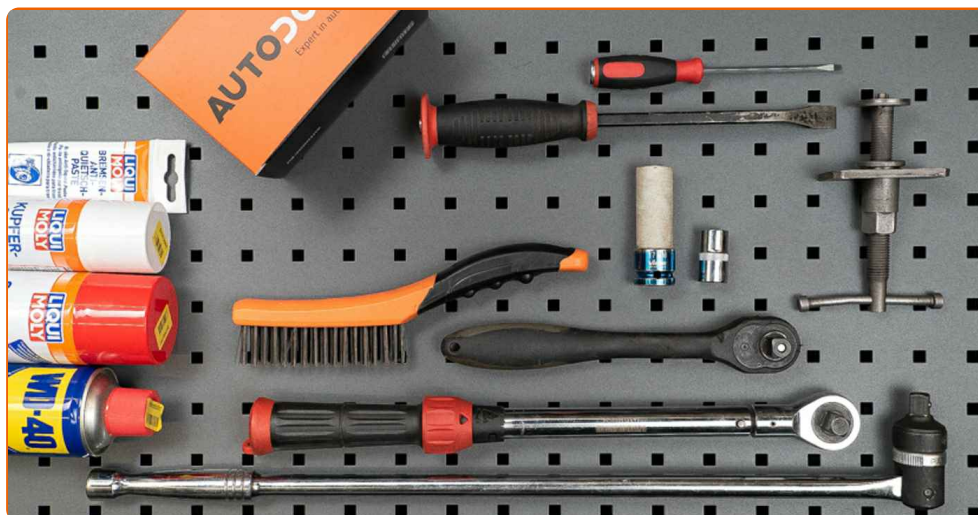
This replacement procedure can be used for:

MERCEDES-BENZ VITO Box (638) 108 D 2.3 (638.064, 638.068), MERCEDES-BENZ VITO Box (638) 110 D 2.3 (638.074, 638.078), MERCEDES-BENZ VITO Box (638) 113 2.0 (638.014, 638.094), MERCEDES-BENZ VITO Box (638) 114 2.3 (638.034, 638.094), MERCEDES-BENZ VITO Box (638) 108 CDI 2.2 (638.094), MERCEDES-BENZ VITO Box (638) 110 CDI 2.2 (638.094), MERCEDES-BENZ VITO Box (638) 112 CDI 2.2 (638.094)

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: MERCEDES-BENZ VITO Bus (638) 112 CDI 2.2 (638.194)

REPLACEMENT: BRAKE PADS – MERCEDES-BENZ VITO BOX (638). TOOLS YOU'LL NEED:



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

Buy tools

Replacement: brake pads – MERCEDES-BENZ VITO Box (638). 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.

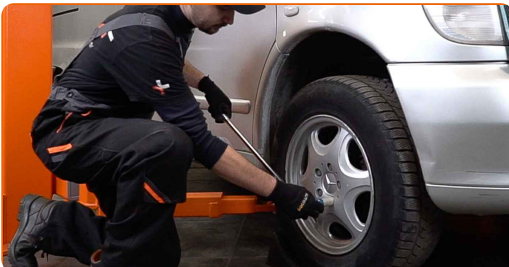
REPLACEMENT: BRAKE PADS – MERCEDES-BENZ VITO BOX (638). USE THE FOLLOWING PROCEDURE:

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.

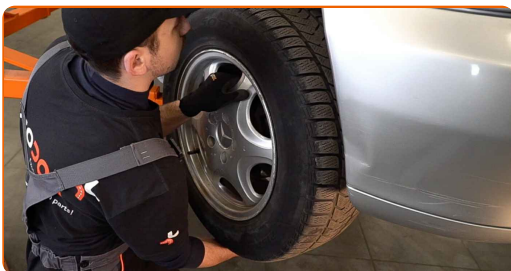
5 Unscrew the wheel bolts.



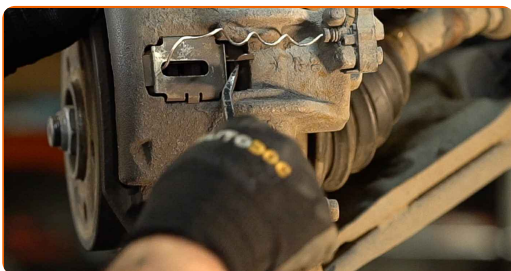
AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. MERCEDES-BENZ VITO Box (638)

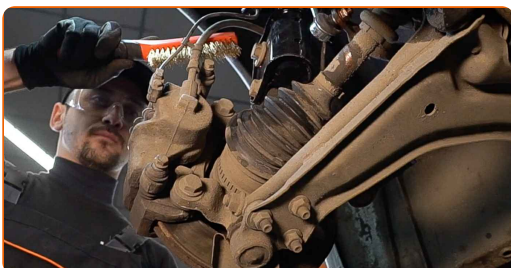
6 Remove the wheel.



7 Spread the brake pads. Use a crowbar.

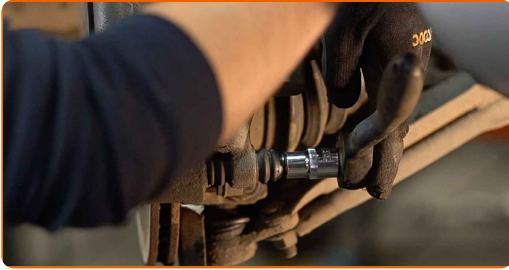


8 Clean the brake caliper fasteners. Use a wire brush. Use WD-40 spray.



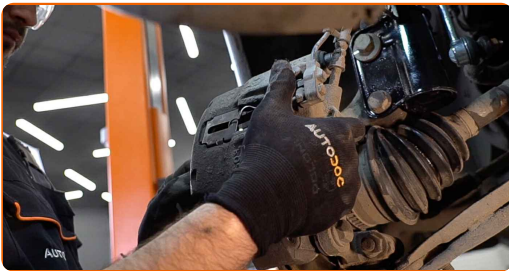
9

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



10

Remove the brake caliper.



Replacement: brake pads – MERCEDES-BENZ VITO Box (638). 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.
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

11

Disconnect the brake pad wear sensor plug. Use a flat screwdriver.

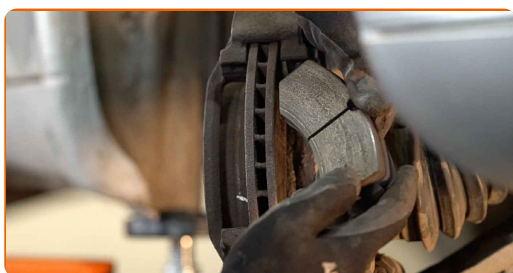


Please note!

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

12

Remove the brake pads.

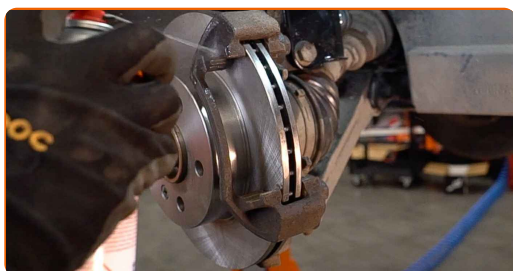


AUTODOC recommends:

- 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.

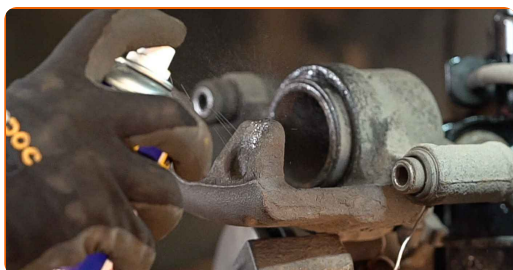


Replacement: brake pads – MERCEDES-BENZ VITO Box (638). AUTODOC experts recommend:

- After applying the spray, wait a few minutes.

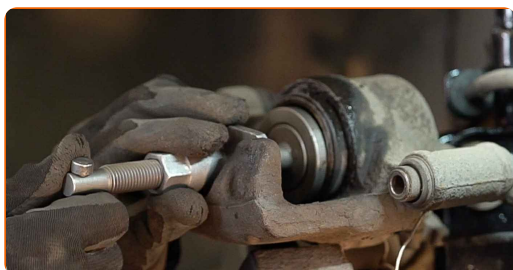
14

Treat the brake caliper piston. Use WD-40 spray.



15

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



16

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



Replacement: brake pads – MERCEDES-BENZ VITO Box (638). Tip:

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

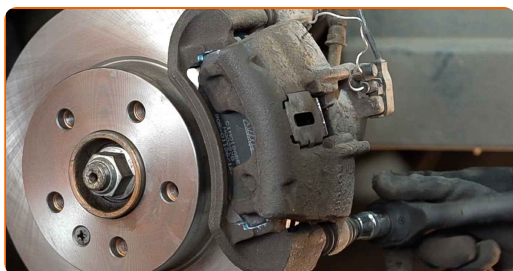
17 Install new brake pads.



Replacement: brake pads – MERCEDES-BENZ VITO Box (638). AUTODOC recommends:

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

18 Install the brake caliper and fix it. Use a drive socket #13. Use a torque wrench. Tighten it to 28 Nm torque.



19 Connect the brake pad wear sensor plug.



20 Clean the brake disk surface. Use a brake cleaner.

AUTODOC recommends:

- Replacement: brake pads – MERCEDES-BENZ VITO Box (638). After applying the spray, wait a few minutes.

21

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



22

Install the wheel.

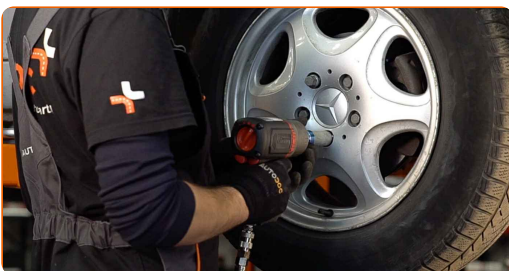


Replacement: brake pads – MERCEDES-BENZ VITO Box (638). Tip from AUTODOC experts:

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

23

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



24

Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 175 Nm torque.



25

Remove the jacks and chocks.



AUTODOC recommends:

- Important! Replacement: brake pads – MERCEDES-BENZ VITO Box (638). Check the brake fluid level in the reservoir and top up if necessary.

26

Tighten the brake fluid reservoir cap.

Replacement: brake pads – MERCEDES-BENZ VITO Box (638). AUTODOC experts recommend:

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

27

Close the hood.

Replacement: brake pads – MERCEDES-BENZ VITO Box (638). AUTODOC recommends:

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

WELL DONE! 

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