



How to change front
brake discs 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)

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 DISCS – MERCEDES-BENZ VITO BOX (638). TOOLS YOU NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Drive socket # 13
- Drive socket # 21
- Wheel impact socket #17
- Brake caliper wind back tool
- Ratchet wrench
- Torque wrench
- Flat Screwdriver
- Phillips screwdriver
- Impact screwdriver
- Tap wrench
- Rubber mallet
- Crow bar
- Wheel chock

Buy tools

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

- Replace the brake disks on the car MERCEDES-BENZ VITO Box (638) 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.
- Please note: all work on the car – MERCEDES-BENZ VITO Box (638) – should be done with the engine switched off.

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 front of the car and secure on supports.

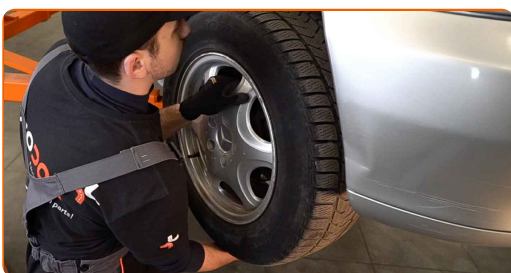
5 Unscrew the wheel bolts.



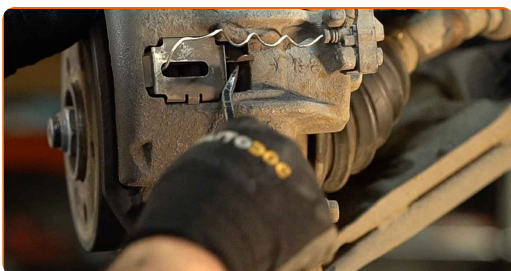
Replacement: brake discs – MERCEDES-BENZ VITO Box (638). Tip:

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

6 Remove the wheel.

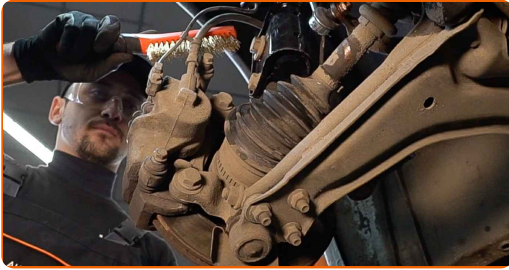


7 Spread the brake pads. Use a crowbar.



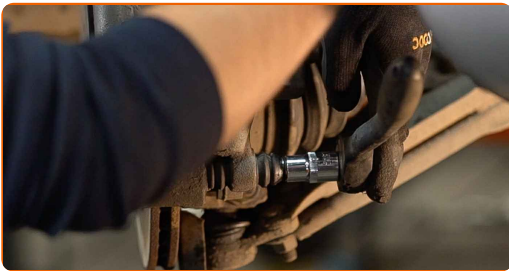
8

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.



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.

11

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

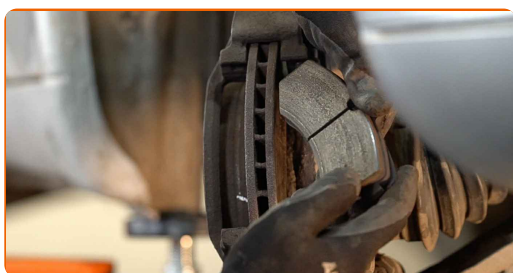


Please note!

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

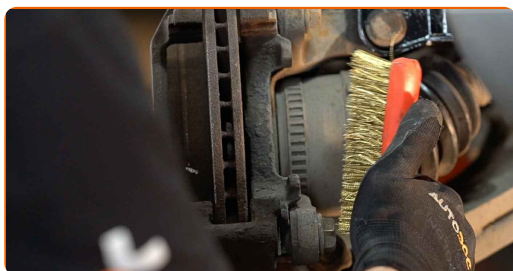
12

Remove the brake pads.



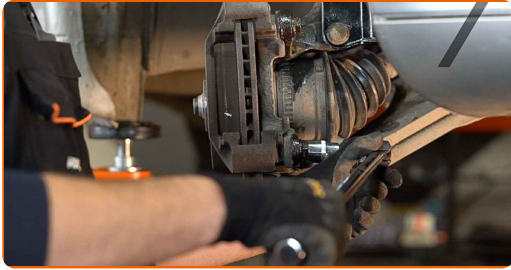
13

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



14

Unscrew the caliper bracket fastening. Use a drive socket #21. Use a tap wrench. Use a ratchet wrench.



15

Remove the caliper bracket.



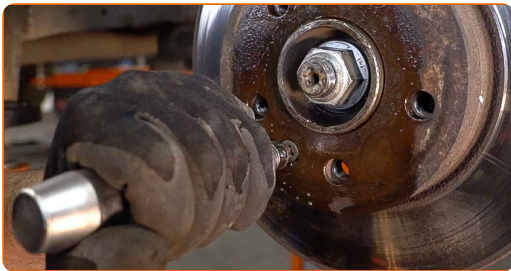
16

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



17

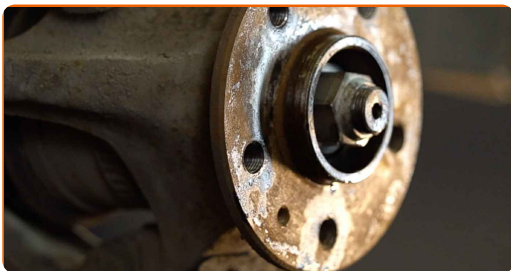
Unscrew the brake disc fastening. Use a Phillips screwdriver. Use an impact screwdriver.



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

- 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.



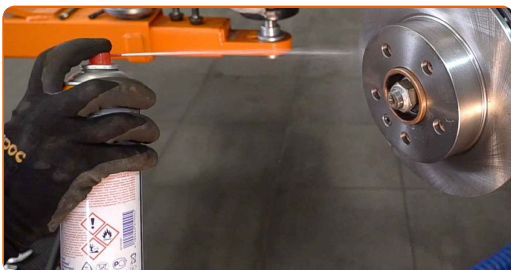
20 Install the brake disc.



21 Tighten the brake disc fastening. Use a Phillips screwdriver. Use a torque wrench. Tighten it to 9 Nm torque.



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



AUTODOC recommends:

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

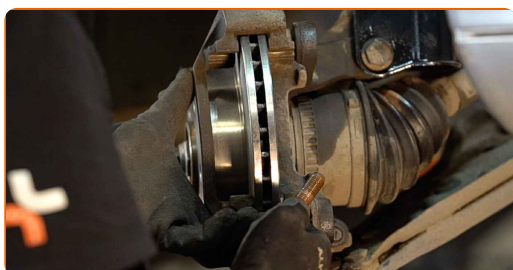
23

Clean the mounting seats of the caliper and its bracket. Use a wire brush. Use WD-40 spray.



24

Install the brake caliper bracket.



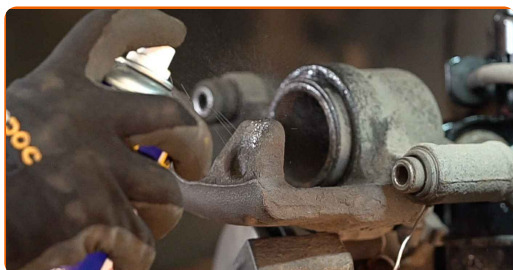
25

Tighten the brake caliper bracket. Use a drive socket #21. Use a torque wrench. Tighten it to 162 Nm torque.

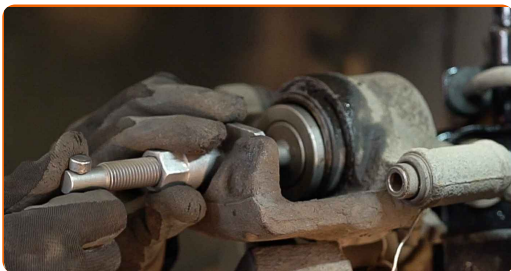


26

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



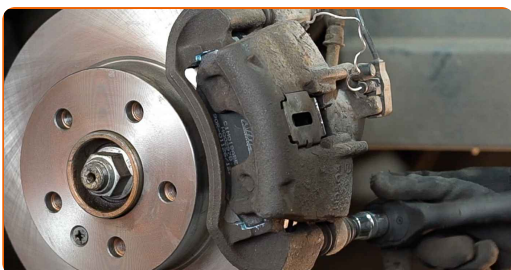
27 Press in the brake caliper piston. Use brake caliper wind back tool.



28 Install the brake pads.



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



30 Connect the brake pad wear sensor plug.



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

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

- After applying the spray, wait a few minutes.

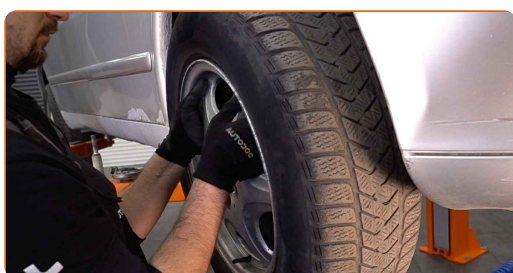
32

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



33

Install the wheel.

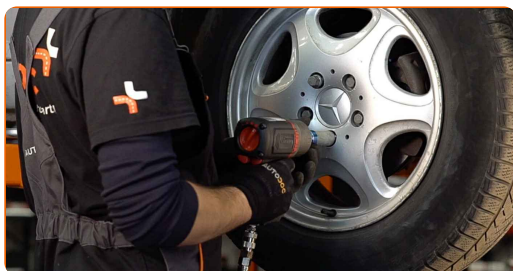


AUTODOC recommends:

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

34

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



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



- 36** Remove the jacks and chocks.



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

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

- 37** Tighten the brake fluid reservoir cap.

AUTODOC recommends:

- MERCEDES-BENZ VITO Box (638) – Without starting the engine, press the brake pedal several times until it feels firm.

38

Close the hood.

WELL DONE! 

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BRAKE DISCS: A WIDE SELECTION

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