



How to change front
brake pads on **Mercedes**
Vito W638 –
replacement guide

VIDEO TUTORIAL

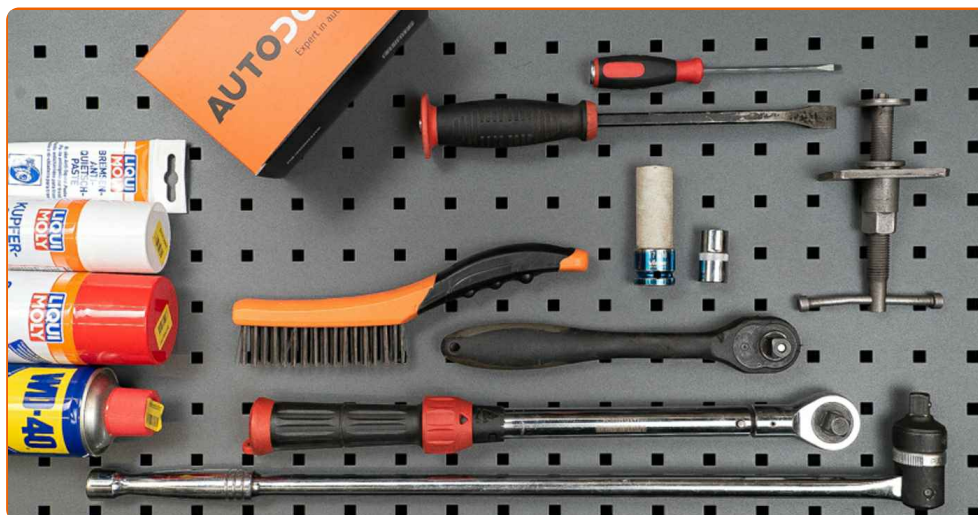
** Important!**

This replacement procedure can be used for:

MERCEDES-BENZ VITO Bus (638) 108 D 2.3 (638.164), MERCEDES-BENZ VITO Bus (638) 110 TD 2.3 (638.174), MERCEDES-BENZ VITO Bus (638) 113 2.0 (638.114, 638.194), MERCEDES-BENZ V-Class (W638/2) V 230 TD (638.274), MERCEDES-BENZ V-Class (W638/2) V 230 (638.234, 638.294), MERCEDES-BENZ VITO Bus (638) 114 2.3 (638.134, 638.194), MERCEDES-BENZ V-Class (W638/2) V 280 (638.244, 638.294), MERCEDES-BENZ V-Class (W638/2) V 200 (638.214, 638.294), 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 V-Class (W638/2) V 200 CDI (638.294), MERCEDES-BENZ V-Class (W638/2) V 220 CDI (638.294), MERCEDES-BENZ VITO Bus (638) 108 CDI 2.2 (638.194), (+ 4)

The steps may slightly vary depending on the car design.

REPLACEMENT: BRAKE PADS – MERCEDES VITO W638.
 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

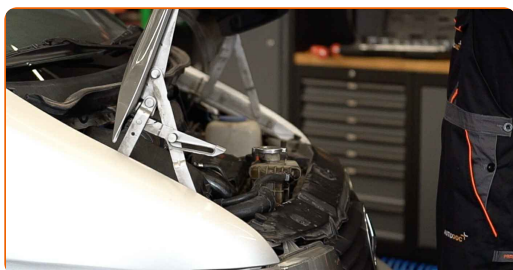
BUY TOOLS

Replacement: brake pads – Mercedes Vito W638. AUTODOC recommends:

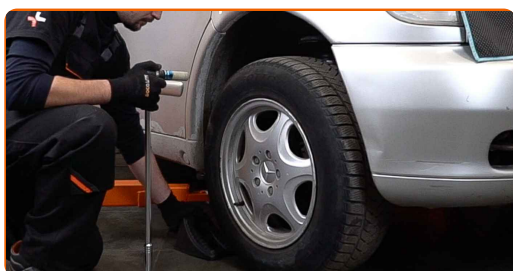
- Perform the replacement of brake pads in complete set for each axis. This provides effective braking.
- The replacement procedure is identical for all brake pads on the same axle.
- All work should be done with the engine stopped.

REPLACEMENT: BRAKE PADS – MERCEDES VITO W638. USE THE FOLLOWING PROCEDURE:

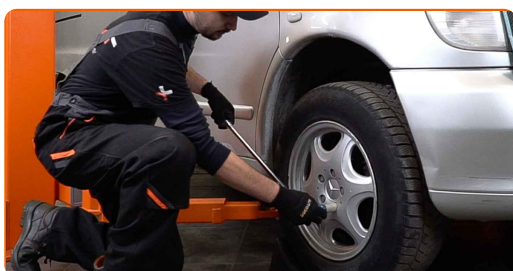
1 Open the bonnet. Unscrew the brake fluid reservoir cap.



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.



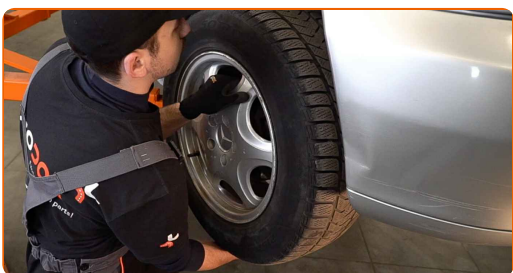
5 Unscrew the wheel bolts.



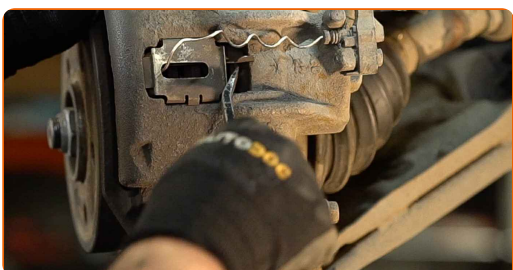
AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. Mercedes Vito W638

6 Remove the wheel.

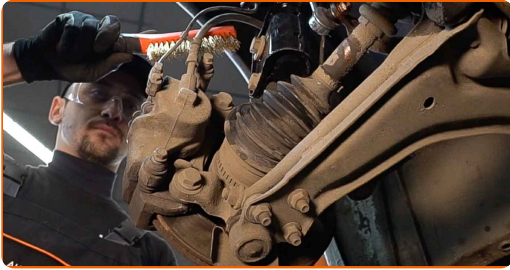


7 Spread the brake pads. Use a crowbar.



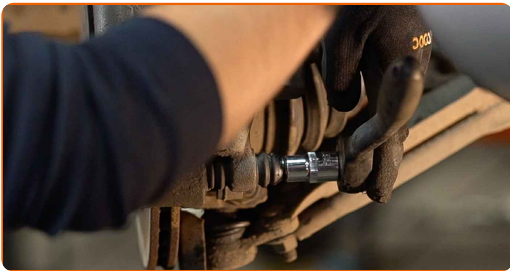
8

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 Vito W638. 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.



Replacement: brake pads – Mercedes Vito W638. AUTODOC experts recommend:

- 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.

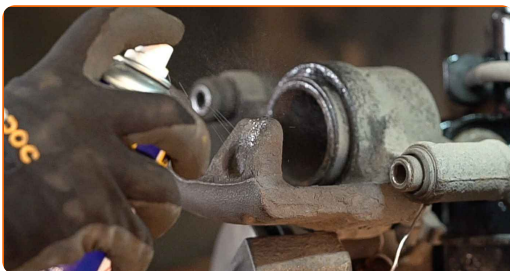


AUTODOC recommends:

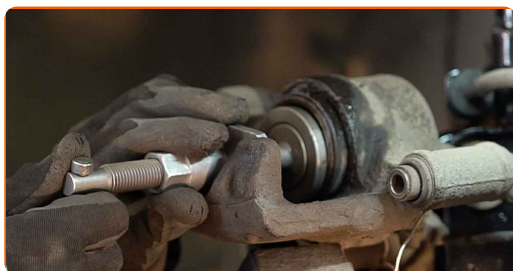
- Replacement: brake pads – Mercedes Vito W638. After applying the spray, wait a few minutes.

14

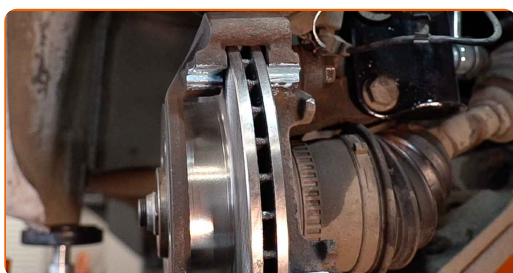
Treat the brake caliper piston. Use WD-40 spray.



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



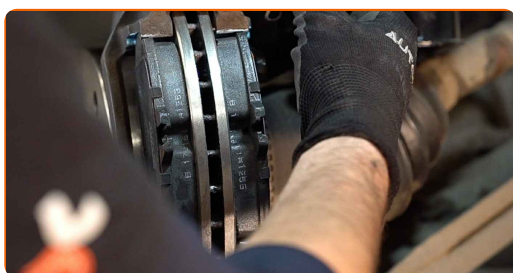
16 Treat the brake caliper bracket where it contacts the brake pads. Use anti-squeal paste.



Replacement: brake pads – Mercedes Vito W638. Tip:

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

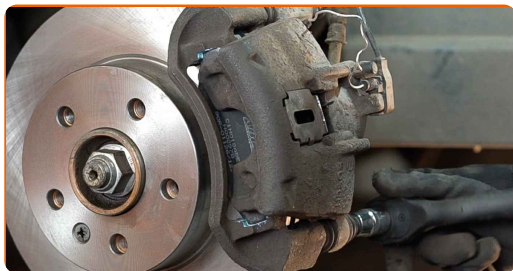
17 Install new brake pads.



Replacement: brake pads – Mercedes Vito W638. 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 Vito W638. After applying the spray, wait a few minutes.

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



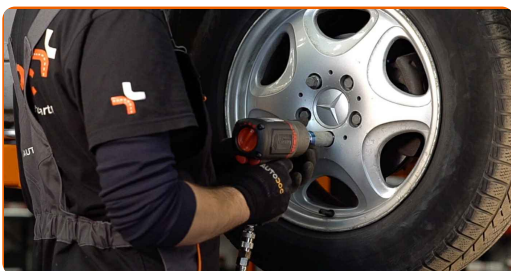
22 Install the wheel.



Replacement: brake pads – Mercedes Vito W638. 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.

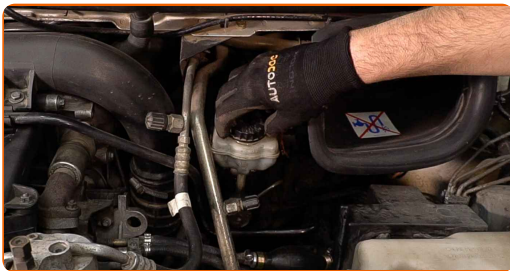


AUTODOC recommends:

- Important! Replacement: brake pads – Mercedes Vito W638. Check the brake fluid level in the reservoir and top up if necessary.

26

Tighten the brake fluid reservoir cap.



Replacement: brake pads – Mercedes Vito W638. 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 Vito W638. 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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