



How to change rear  
brake pads on  
**MERCEDES-BENZ V-**  
**Class (W638/2) –**  
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 V-Class (W638/2) V 230 TD (638.274), MERCEDES-BENZ V-Class (W638/2) V 230 (638.234, 638.294), 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 V-Class (W638/2) V 200 CDI (638.294), MERCEDES-BENZ V-Class (W638/2) V 220 CDI (638.294)

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 Minibus (W638) 112 CDI 2.2 (638.194)

REPLACEMENT: BRAKE PADS – MERCEDES-BENZ V-CLASS (W638/2). TOOLS YOU NEED:



- 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

**Buy tools**

Replacement: brake pads – MERCEDES-BENZ V-Class (W638/2). 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 – MERCEDES-BENZ V-CLASS (W638/2). 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 rear of the car and secure on supports.

**5** Unscrew the wheel bolts.



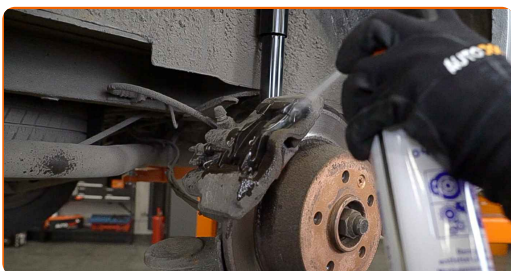
Replacement: brake pads – MERCEDES-BENZ V-Class (W638/2). Tip:

- 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.

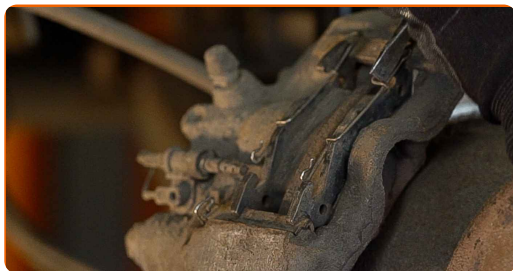


**AUTODOC recommends:**

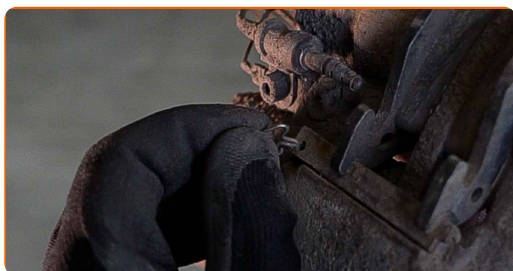
- Replacement: brake pads – MERCEDES-BENZ V-Class (W638/2). After applying the spray, wait a few minutes.

**8**

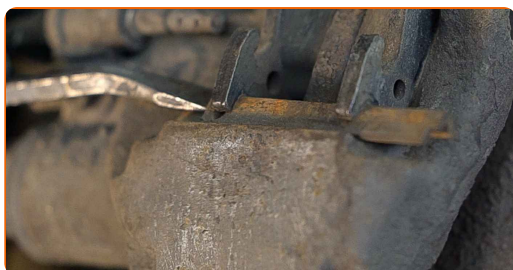
Remove the retaining springs of the brake pads. Use a crowbar.

**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.





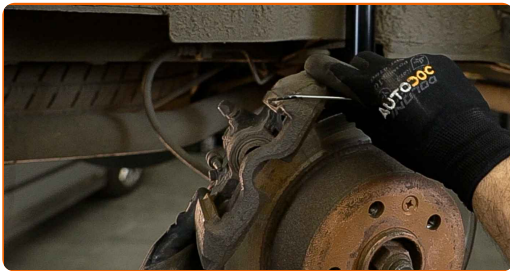
**13**

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



**14**

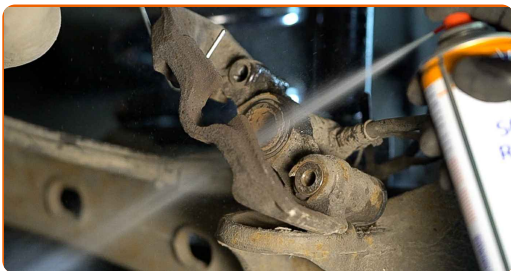
Remove the brake caliper.



**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.

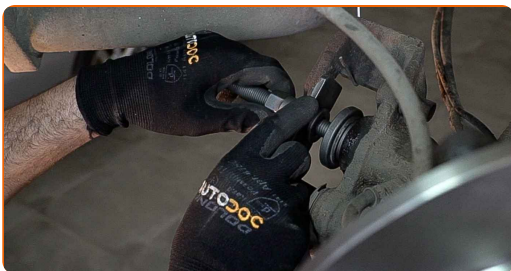
**15** Treat the brake caliper piston. Use a brake cleaner.



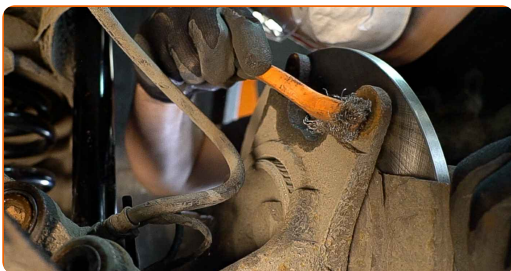
Replacement: brake pads – MERCEDES-BENZ V-Class (W638/2). AUTODOC experts recommend:

- 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.





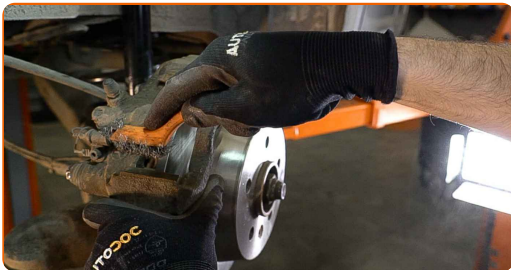
**18**

Install the brake caliper and fix it. Use a drive socket #13. Use a drive socket #16. Use a torque wrench. Tighten it to 29 Nm torque.



**19**

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

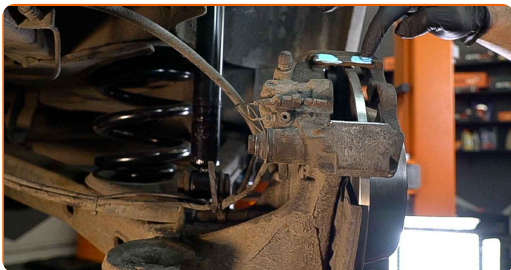


**AUTODOC recommends:**

- Replacement: brake pads – MERCEDES-BENZ V-Class (W638/2). After applying the spray, wait a few minutes.

**20**

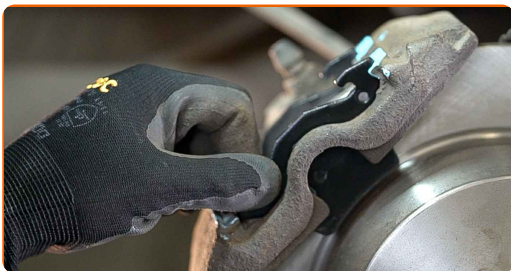
Treat the brake caliper bracket where it contacts the brake pads. Use anti-squeal paste.



**AUTODOC recommends:**

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

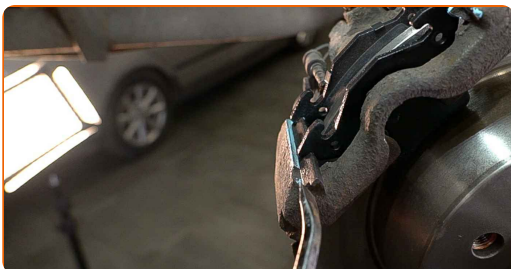
21 Install new brake pads.



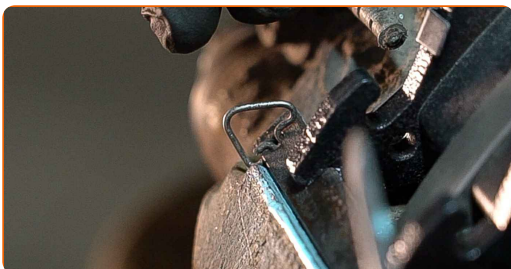
Replacement: brake pads – MERCEDES-BENZ V-Class (W638/2). Tip from AUTODOC:

- 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.



24 Install the retaining springs of the brake pads.



**25**

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



**26**

Clean the brake disk surface. Use a brake cleaner.



Replacement: brake pads – MERCEDES-BENZ V-Class (W638/2). Tip:

- After applying the spray, wait a few minutes.

**27**

Install the wheel.



**AUTODOC recommends:**

- Important! Hold the wheel while screwing in the fastening bolts. MERCEDES-BENZ V-Class (W638/2)

**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 175 Nm torque.



**Replacement: brake pads – MERCEDES-BENZ V-Class (W638/2). AUTODOC experts recommend:**

- 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:**

- MERCEDES-BENZ V-Class (W638/2) – Press the brake pedal several times with the engine shut down until you feel the resistance built up.

31

Remove the jacks and chocks.



Replacement: brake pads – MERCEDES-BENZ V-Class (W638/2).  
Professionals recommend:

- 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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**BRAKE PADS: A WIDE SELECTION**

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