



How to change front
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!

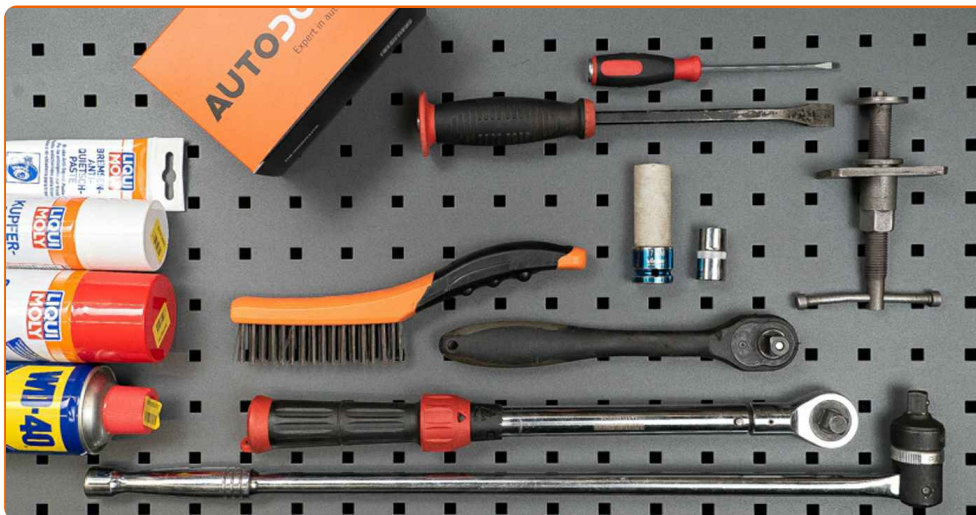
This replacement procedure can be used for:

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 Bus (638) 112 CDI 2.2 (638.194)

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

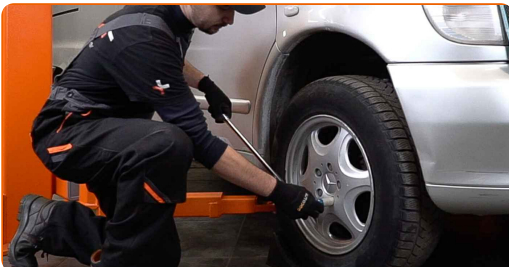
REPLACEMENT: BRAKE PADS – MERCEDES-BENZ V-CLASS (W638/2). USE THE FOLLOWING PROCEDURE:

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 front of the car and secure on supports.

5

Unscrew the wheel bolts.

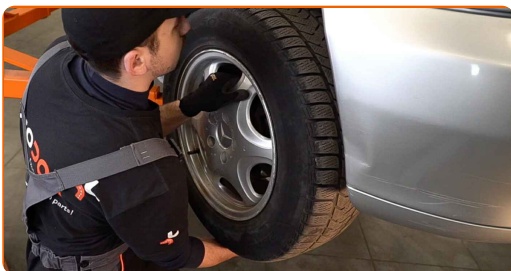


AUTODOC recommends:

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

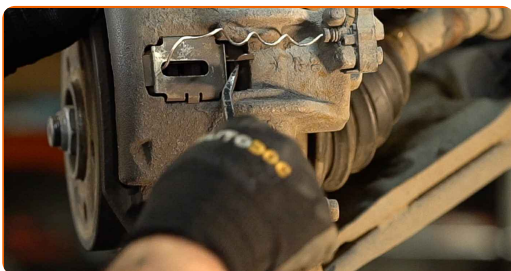
6

Remove the wheel.



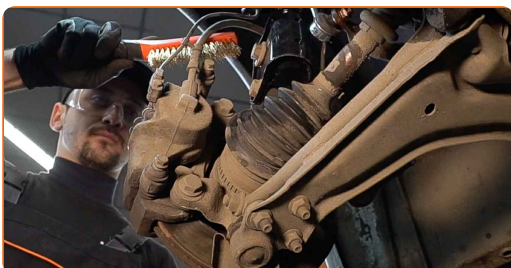
7

Spread the brake pads. Use a crowbar.



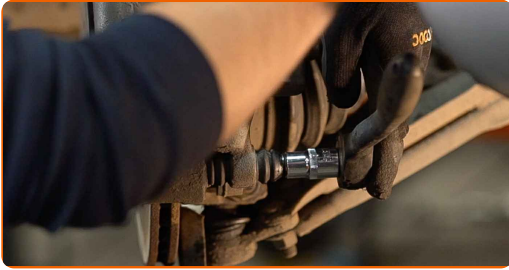
8

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 V-Class (W638/2).
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.

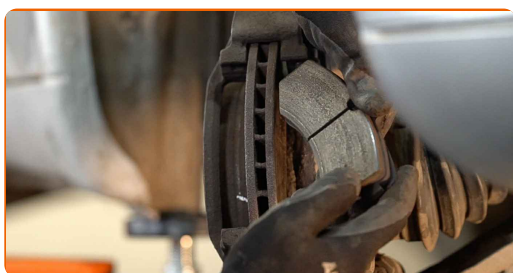


Please note!

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

12

Remove the brake pads.

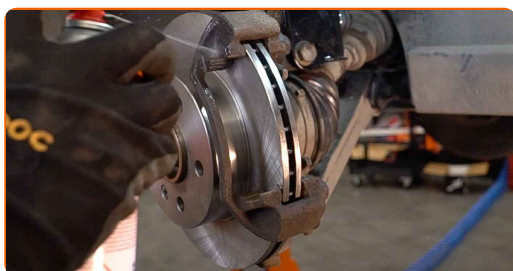


AUTODOC recommends:

- 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.

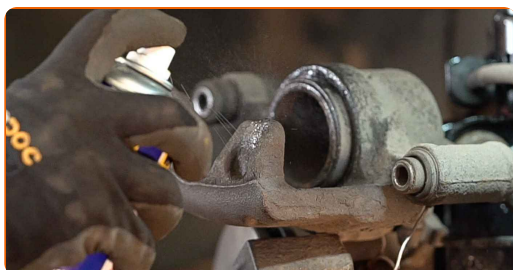


Replacement: brake pads – MERCEDES-BENZ V-Class (W638/2). AUTODOC experts recommend:

- After applying the spray, wait a few minutes.

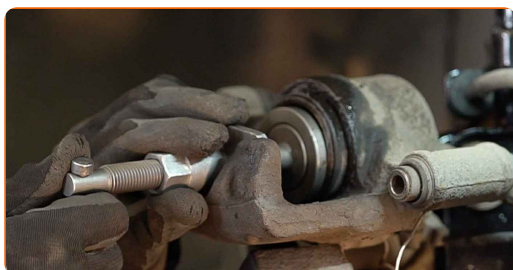
14

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



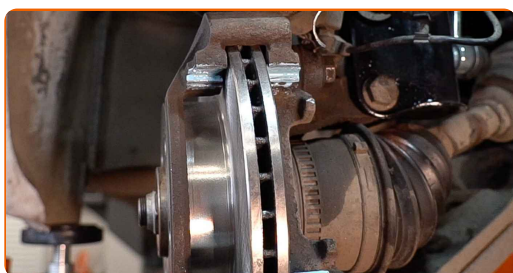
15

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



16

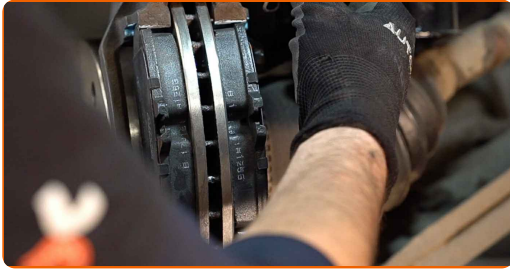
Treat the brake caliper bracket where it contacts the brake pads. Use anti-squeal paste.



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

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

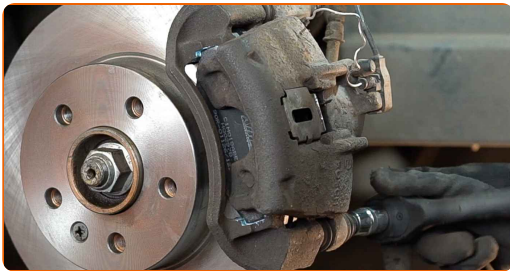
17 Install new brake pads.



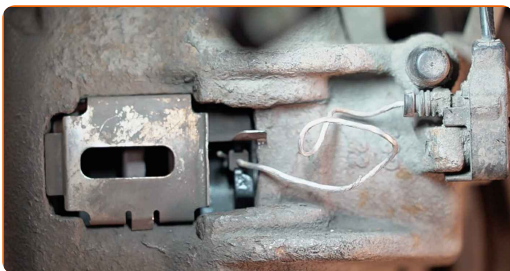
Replacement: brake pads – MERCEDES-BENZ V-Class (W638/2). AUTODOC recommends:

- 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 V-Class (W638/2). 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.

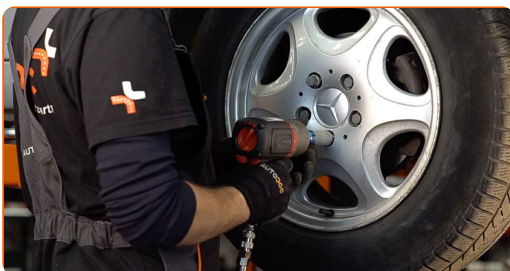


Replacement: brake pads – MERCEDES-BENZ V-Class (W638/2). Tip from AUTODOC experts:

- 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 V-Class (W638/2). 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 V-Class (W638/2). 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 V-Class (W638/2). 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! 

[VIEW MORE TUTORIALS](#)

AUTODOC – TOP QUALITY AND AFFORDABLE CAR PARTS ONLINE

AUTODOC MOBILE APP: GREAT DEALS AND CONVENIENT SHOPPING



+ AUTODOC

GET IT ON
Google Play

 Download on the
App Store

Download

A GREAT SELECTION OF SPARE PARTS FOR YOUR CAR

BRAKE PADS: A WIDE SELECTION

DISCLAIMER:

The document contains only general recommendations that may be useful for you when you perform repair or replacement work. AUTODOC shall not be liable for any loss, injury, damage of property occurring in the repair or replacement process due to incorrect use or misinterpretation of the provided information.

AUTODOC shall not be liable for any possible mistakes and uncertainties in this guide. The information provided is for information purposes only and cannot replace advice from specialists.

AUTODOC shall not be liable for incorrect or hazardous usage of equipment, tools and car parts. AUTODOC strongly recommends to be careful and observe the safety rules when performing repair or replacement works. Remember: usage of low quality auto parts does not guarantee you the appropriate level of road safety.

© Copyright 2023 – All the contents of this website, in particular texts, photographs and graphics, are protected by copyright. All rights, including reproduction, publication, editing and translation rights, are reserved by AUTODOC SE.