



How to change front  
brake pads on  
**MERCEDES-BENZ VITO**  
**Tourer (W447) –**  
replacement guide

## SIMILAR VIDEO TUTORIAL



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

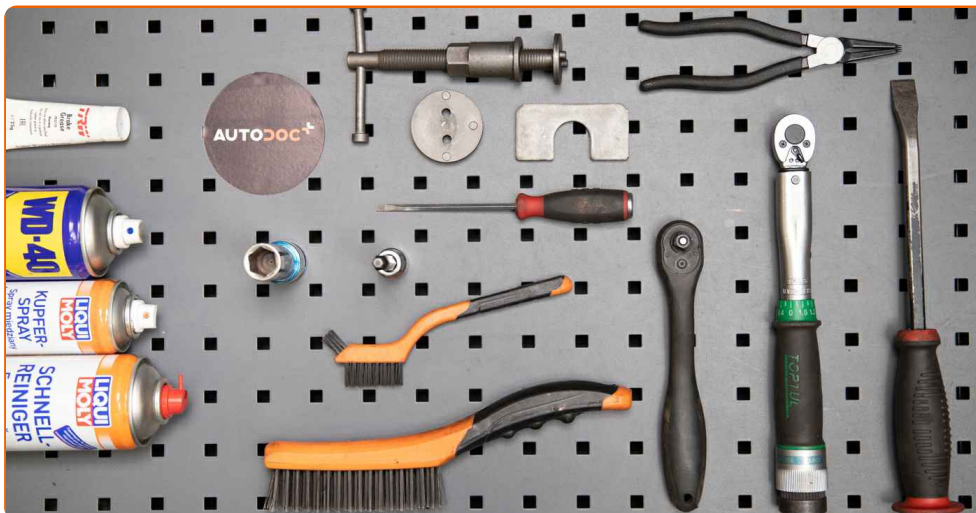
### Important!

This replacement procedure can be used for:  
MERCEDES-BENZ VITO Tourer (W447) Electric (447.703, 447.705)

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 (W639) 115 CDI (639.701, 639.703, 639.705)

**REPLACEMENT: BRAKE PADS – MERCEDES-BENZ VITO TOURER (W447). LIST OF THE TOOLS YOU'LL NEED:**



- Wire brush
- Nylon cleaning brush
- WD-40 spray
- Brake cleaner
- Anti-squeal paste
- Copper grease
- Torque wrench
- HEX bit no.H6.
- Wheel impact socket #17
- Ratchet wrench
- Flat Screwdriver
- Brake caliper wind back tool
- Round-nose pliers
- Crow bar
- Wheel chock

**Buy tools**

Replacement: brake pads – MERCEDES-BENZ VITO Tourer (W447). 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 VITO TOURER (W447). 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.



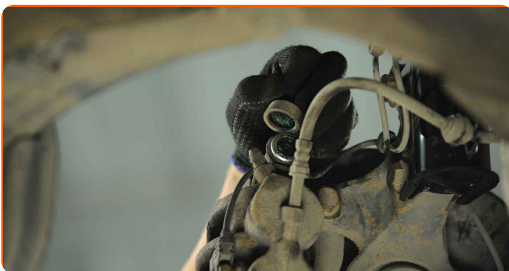
Replacement: brake pads – MERCEDES-BENZ VITO Tourer (W447). Tip:

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

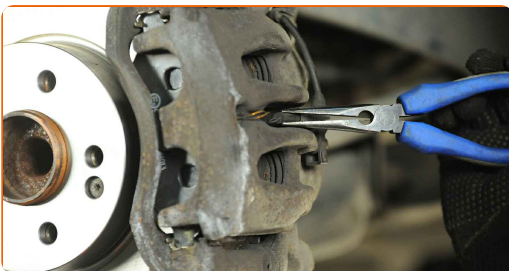
**6** Remove the wheel.



**7** Remove the dust boot caps of the brake caliper guide pins.



**8** Disconnect the brake pad wear sensor plug. Use round-nose pliers.

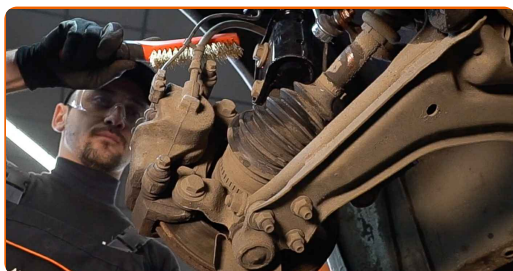


Please note!

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

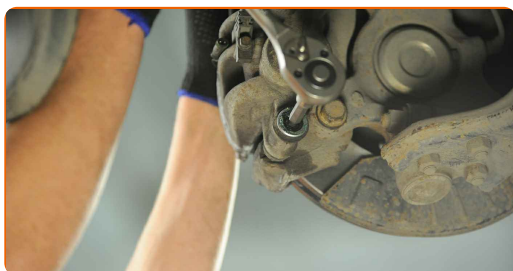
9

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



10

Unscrew the brake caliper fastening. Use HEX No.H6. Use a ratchet wrench.



11

Remove the guide pins from the brake caliper.

12

Spread the brake pads. Use a crowbar.

13

Remove the brake caliper.

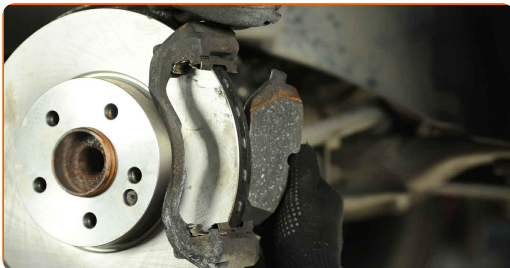


**AUTODOC recommends:**

- 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.
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

**14**

Remove the brake pads.



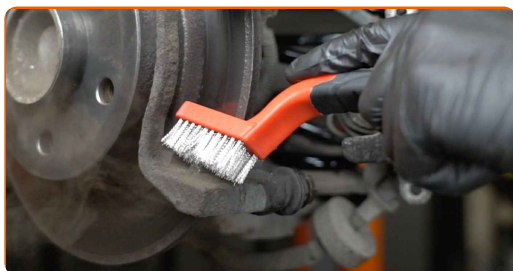
**Replacement: brake pads – MERCEDES-BENZ VITO Tourer (W447). AUTODOC experts recommend:**

- Measure the brake disc thickness. Upon reaching the wear limit the part must be replaced.



15

Clean the brake caliper bracket from dirt and dust. Use a wire brush. Use a brake cleaner.

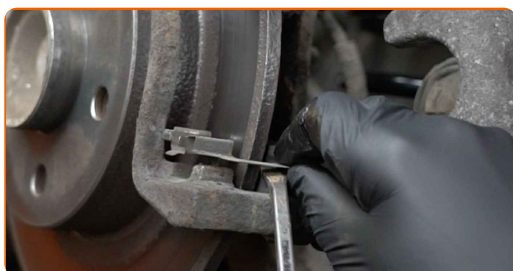


**AUTODOC recommends:**

- Replacement: brake pads – MERCEDES-BENZ VITO Tourer (W447). After applying the spray, wait a few minutes.

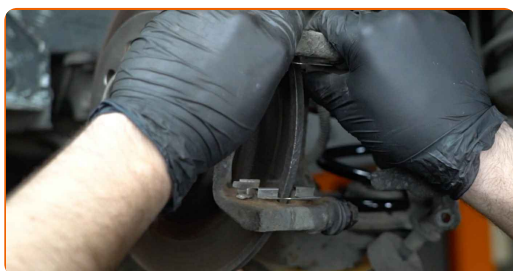
16

Remove the retaining springs of the brake pads. Use a flat screwdriver.



17

Install the retaining springs of the brake pads.



18

Remove the brake pad wear sensor from the brake pad. Use a flat screwdriver.



**19**

Treat the brake pads in the area where their surface comes into contact with the brake caliper bracket. Use anti-squeal paste.



**Replacement: brake pads – MERCEDES-BENZ VITO Tourer (W447). Tip from AUTODOC:**

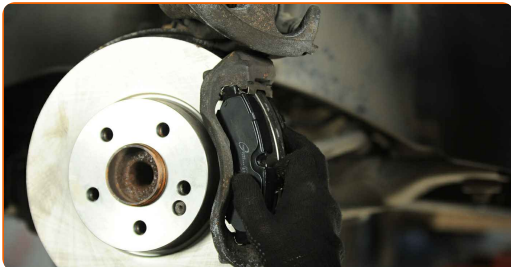
- Make sure the disc surface is clean before installing the pads.

**20**

Install the wear sensor on the brake pads.

**21**

Install new brake pads. Use a flat screwdriver.

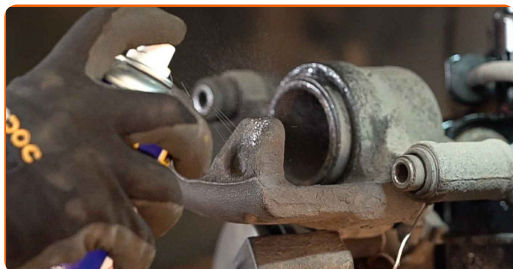


**Replacement: brake pads – MERCEDES-BENZ VITO Tourer (W447). Professionals recommend:**

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

22

Treat the brake caliper piston. Use a nylon cleaning brush. Use a brake cleaner.



Replacement: brake pads – MERCEDES-BENZ VITO Tourer (W447). Tip from AUTODOC:

- After applying the spray, wait a few minutes.

23

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



24

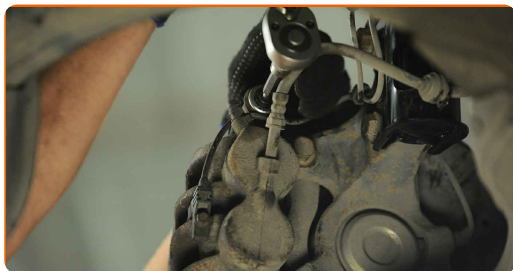
Install the brake caliper and fix it.



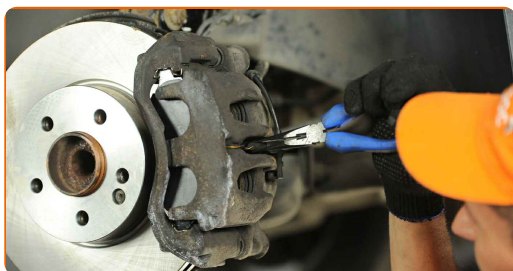
25

Screw in the guide pins.

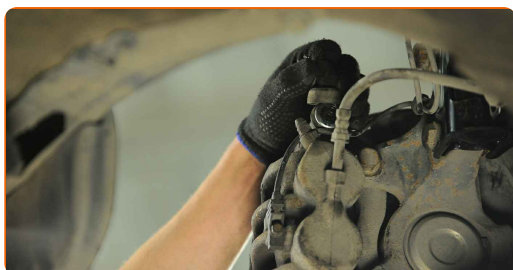
**26** Tighten the brake caliper fasteners. Use HEX No.H6. Use a torque wrench. Tighten it to 35 Nm torque.



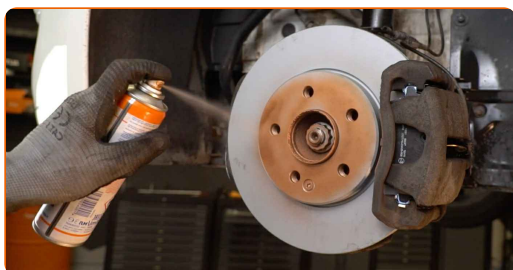
**27** Connect the brake pad wear sensor plug.



**28** Install the dust boot caps of the brake caliper guide pins. Use a flat screwdriver.



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



30

Clean the brake disk surface. Use a brake cleaner.



Replacement: brake pads – MERCEDES-BENZ VITO Tourer (W447). Tip from AUTODOC experts:

- After applying the spray, wait a few minutes.

31

Install the wheel.



AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. MERCEDES-BENZ VITO Tourer (W447)

32

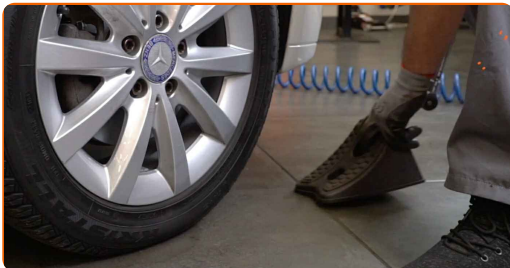
Screw in the wheel bolts. Use wheel impact socket #17.



- 33** Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 130 Nm torque.



- 34** Remove the jacks and chocks.



Replacement: brake pads – MERCEDES-BENZ VITO Tourer (W447). AUTODOC recommends:

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

- 35** Tighten the brake fluid reservoir cap. Close the hood.

### AUTODOC recommends:

- MERCEDES-BENZ VITO Tourer (W447) – Press the brake pedal several times with the engine shut down until you feel the resistance built up.
- 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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