



How to change rear
brake discs on
MERCEDES-BENZ
VIANO (W639) –
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 VIANO (W639) CDI 2.2 (639.811, 639.813, 639.815, 639.711, 639.713), MERCEDES-BENZ VIANO (W639) CDI 3.0 (639.811, 639.813, 639.815), MERCEDES-BENZ VIANO (W639) CDI 2.2 4-matic (639.811, 639.813, 639.815, 639.711,...), MERCEDES-BENZ VIANO (W639) 3.2 (639.711, 639.811, 639.813), MERCEDES-BENZ VIANO (W639) 3.2 (639.713, 639.813, 639.815), MERCEDES-BENZ VIANO (W639) CDI 2.2 (639.711, 639.713, 639.811, 639.813, 639.815), MERCEDES-BENZ VIANO (W639) CDI 2.0 (639.711, 639.713, 639.811, 639.813, 639.815), MERCEDES-BENZ VIANO (W639) 3.7 (639.815), MERCEDES-BENZ VIANO (W639) CDI 2.0 4-matic (639.713), MERCEDES-BENZ VIANO (W639) CDI 2.2 4-matic (639.711, 639.713, 639.811, 639.813,...), MERCEDES-BENZ VIANO (W639) 3.5 (639.811, 639.813, 639.815), MERCEDES-BENZ VIANO (W639) 3.7 (639.811, 639.813, 639.815), MERCEDES-BENZ VIANO (W639) CDI 2.0 4-matic (639.711, 639.713, 639.811, 639.813,...)

The steps may slightly vary depending on the car design.

Please note that this tutorial was created based on the replacement procedure for this car part on a car with a similar 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 DISCS – MERCEDES-BENZ VIANO (W639). TOOLS YOU MIGHT NEED:



- Wire brush
- Nylon cleaning brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Torque wrench
- Torx bit T30
- Drive socket # 12
- Drive socket # 18
- Wheel impact socket #17
- Brake caliper wind back tool
- Ratchet wrench
- Tap wrench
- Flat Screwdriver
- Hammer
- Crow bar
- Wheel chock

[Buy tools](#)

Replacement: brake discs – MERCEDES-BENZ VIANO (W639). AUTODOC recommends:

- The replacement procedure is identical for both brake disks on the same axle.
- Replace the brake disks on the car MERCEDES-BENZ VIANO (W639) in complete set for each axis. Regardless of the state of components. This will ensure even braking.
- When changing the brake discs, always replace the brake pads.
- All work should be done with the engine stopped.

REPLACEMENT: BRAKE DISCS – MERCEDES-BENZ VIANO (W639). TAKE THE FOLLOWING STEPS:

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 discs – MERCEDES-BENZ VIANO (W639). Professionals recommend:

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

6

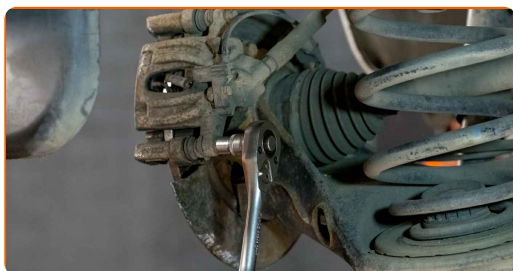
Remove the wheel.



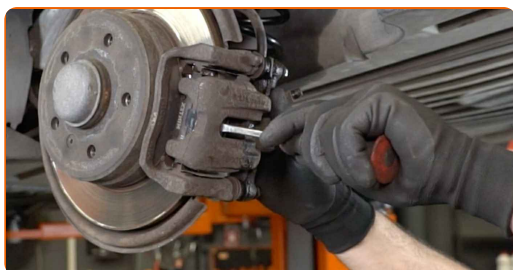
7 Clean the brake caliper fasteners. Use a wire brush. Use WD-40 spray.



8 Unscrew the brake caliper fastening. Use a drive socket #12. Use a ratchet wrench.

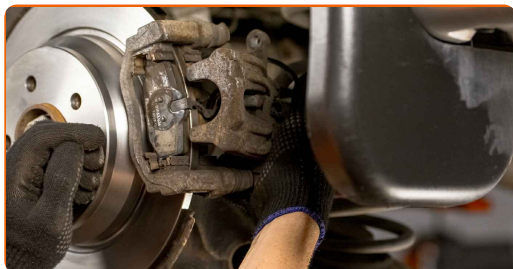


9 Spread the brake pads. Use a crowbar.



10 Remove the guide pins from the brake caliper.

11 Remove the brake caliper.

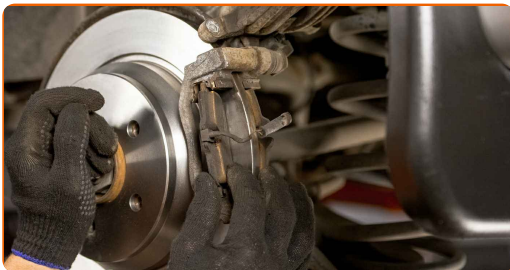


Replacement: brake discs – MERCEDES-BENZ VIANO (W639). AUTODOC recommends:

- 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.

12

Remove the brake pads.



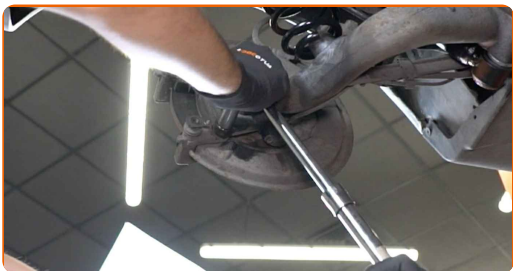
13

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



14

Unscrew the caliper bracket fastening. Use a drive socket #18. Use a ratchet wrench. Use a tap wrench.



15

Remove the caliper bracket.

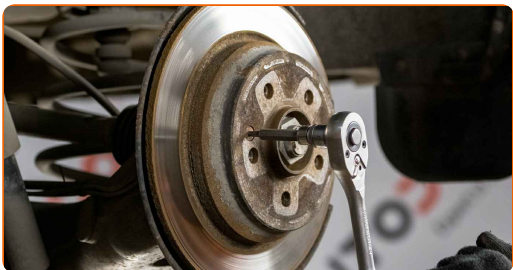


16

Clean the brake disc fastener. Use a wire brush. Use WD-40 spray.

17

Unscrew the brake disc fastening. Use Torx T30. Use a ratchet wrench.

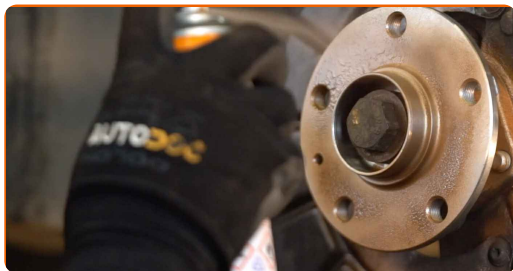


18

Remove the brake disc. Use a hammer.



19 Clean the hub. Use a wire brush. Treat the contacting surface. Use copper grease.



20 Install the brake disc.

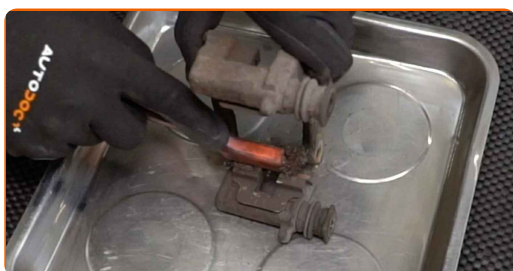


21 Tighten the brake disc fastening. Use Torx T30. Use a torque wrench. Tighten it to 18 Nm torque.



22 Move the parking brake shoes against the drum. Use a flat screwdriver.

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

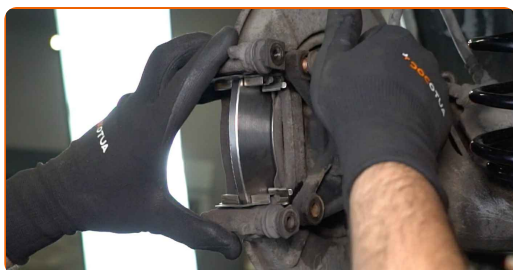


Replacement: brake discs – MERCEDES-BENZ VIANO (W639). Professionals recommend:

- After applying the spray, wait a few minutes.

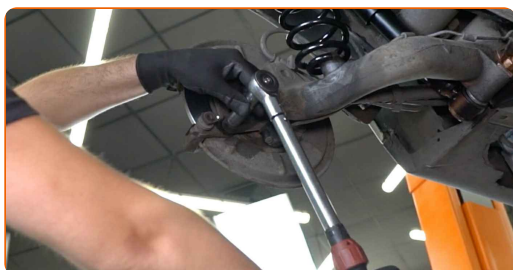
24

Install the brake caliper bracket.



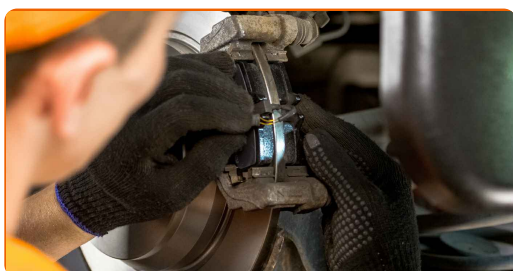
25

Tighten the brake caliper bracket. Use a drive socket #18. Use a torque wrench. Tighten it to 106 Nm torque.



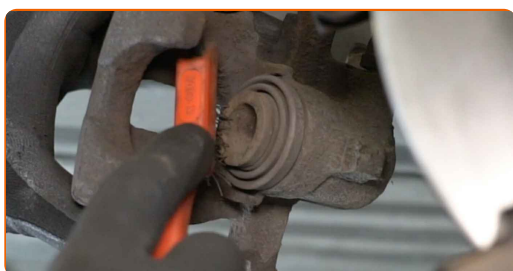
26

Install the brake pads.



27

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

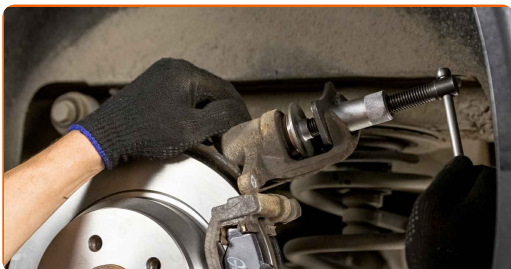


Replacement: brake discs – MERCEDES-BENZ VIANO (W639). Tip:

- After applying the spray, wait a few minutes.

28

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



29

Install the brake caliper and fix it.

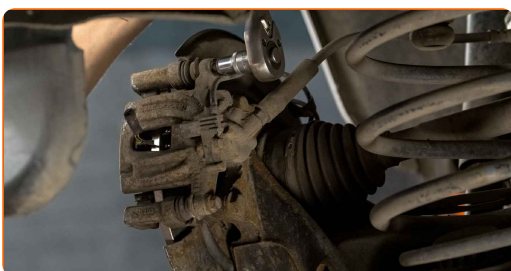


30

Screw in the guide pins.

31

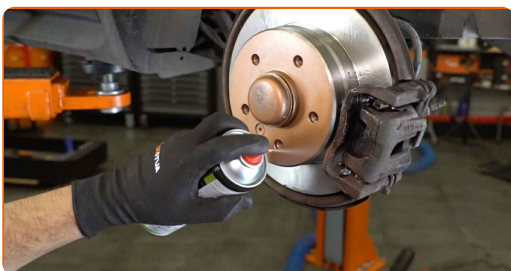
Tighten the brake caliper fasteners. Use a drive socket #12. Use a torque wrench. Tighten it to 32 Nm torque.



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



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



Replacement: brake discs – MERCEDES-BENZ VIANO (W639). Tip from AUTODOC experts:

- After applying the spray, wait a few minutes.

34 Install the wheel.



AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. MERCEDES-BENZ VIANO (W639)

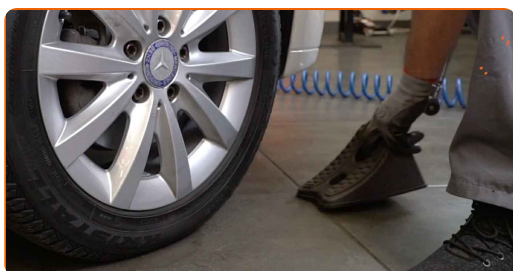
35 Screw in the wheel bolts. Use wheel impact socket #17.



36 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.



37 Remove the jacks and chocks.



Replacement: brake discs – MERCEDES-BENZ VIANO (W639). Tip:

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

38 Tighten the brake fluid reservoir cap. Close the hood.

AUTODOC recommends:

- MERCEDES-BENZ VIANO (W639) – Without starting the engine, press the brake pedal several times until it feels firm.

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BRAKE DISCS: A WIDE SELECTION

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