



How to change rear
brake pads on
MERCEDES-BENZ
VANEO (414) –
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 Vaneo (414) 1.7 CDI (414.700), MERCEDES-BENZ Vaneo (414) 1.6 (414.700), MERCEDES-BENZ Vaneo (414) 1.9 (414.700)

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 B-Class (W245) B 200 (245.233)

REPLACEMENT: BRAKE PADS – MERCEDES-BENZ VANEO (414). LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Anti-squeal paste
- Copper grease
- Combination spanner #13
- Combination spanner #15
- Drive socket # 13
- Wheel impact socket #H12
- Torque wrench
- Brake caliper wind back tool
- Crow bar
- Wheel chock

Buy tools

Replacement: brake pads – MERCEDES-BENZ Vaneo (414). 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.
- Please note: all work on the car – MERCEDES-BENZ Vaneo (414) – should be done with the engine switched off.

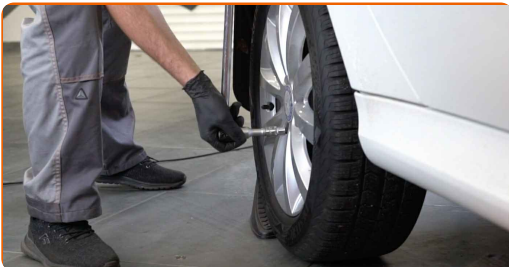
CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

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 #H12.



4 Raise the rear of the car and secure on supports.

5

Unscrew the wheel bolts.

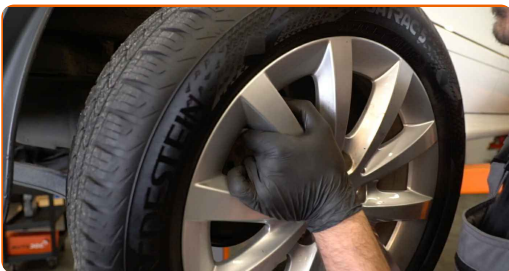


AUTODOC recommends:

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

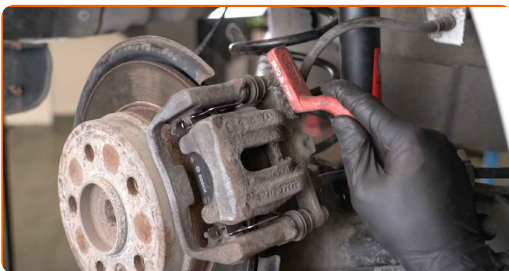
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Remove the wheel.



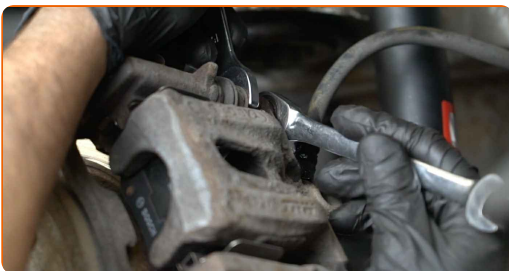
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Clean the brake caliper fasteners. Use a wire brush. Use WD-40 spray.



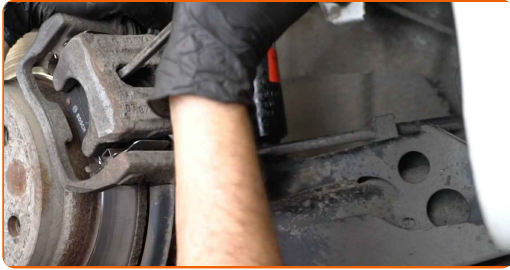
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Unscrew the brake caliper fastening. Use a combination spanner #13. Use a combination spanner #15.



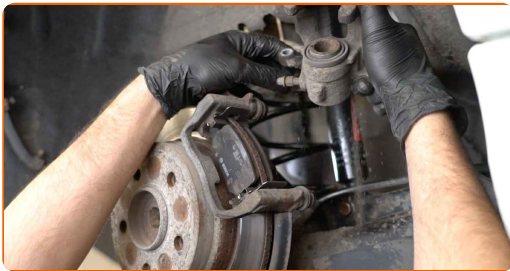
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Spread the brake pads. Use a crowbar.



10

Remove the brake caliper.



Replacement: brake pads – MERCEDES-BENZ Vaneo (414). 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.

11

Remove the brake pads.



Replacement: brake pads – MERCEDES-BENZ Vaneo (414). Tip from AUTODOC:

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

12

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



AUTODOC recommends:

- Replacement: brake pads – MERCEDES-BENZ Vaneo (414). After applying the spray, wait a few minutes.

- 13** 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 Vaneo (414). Professionals recommend:

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

- 14** Install new brake pads.



Replacement: brake pads – MERCEDES-BENZ Vaneo (414). Tip from AUTODOC:

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

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



Replacement: brake pads – MERCEDES-BENZ Vaneo (414). Tip:

- After applying the spray, wait a few minutes.

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



17 Install the brake caliper and fix it. Use a combination spanner #13. Use a combination spanner #15. Use a drive socket #13. Use a torque wrench. Tighten it to 35 Nm torque.



18

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



19

Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- Replacement: brake pads – MERCEDES-BENZ Vaneo (414). After applying the spray, wait a few minutes.

20

Install the wheel.



Replacement: brake pads – MERCEDES-BENZ Vaneo (414). AUTODOC recommends:

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

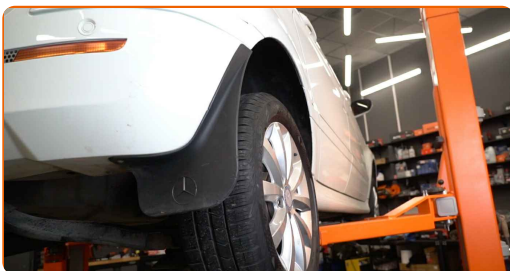
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Screw in the wheel bolts. Use wheel impact socket #H12.



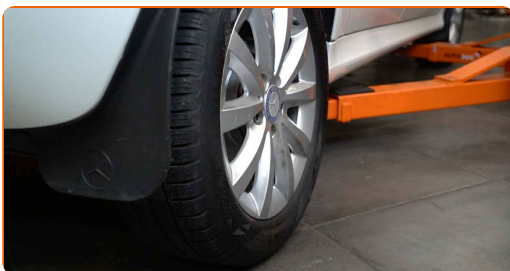
22

Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #H12. Use a torque wrench. Tighten it to 130 Nm torque.



23

Remove the jacks and chocks.



Replacement: brake pads – MERCEDES-BENZ Vaneo (414). AUTODOC experts recommend:

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

24

Tighten the brake fluid reservoir cap.



AUTODOC recommends:

- MERCEDES-BENZ Vaneo (414) – Press the brake pedal several times with the engine shut down until you feel the resistance built up.

25

Close the hood.

Replacement: brake pads – MERCEDES-BENZ Vaneo (414). Tip:

- 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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