



How to change front
brake discs on
**MERCEDES-BENZ E-
Class Platform / Chassis
(VF210)** – replacement
guide

SIMILAR VIDEO TUTORIAL



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

i Important!

This replacement procedure can be used for:

MERCEDES-BENZ E-Class Platform / Chassis (VF210) E 220 CDi (210.606),
 MERCEDES-BENZ E-Class Platform / Chassis (VF210) E 250 d (210.610), MERCEDES-BENZ E-Class Platform / Chassis (VF210) E 270 CDI (210.616), MERCEDES-BENZ E-Class Platform / Chassis (VF210) E 290 TD (210.617), MERCEDES-BENZ E-Class Platform / Chassis (VF210) E 280 (210.663)

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 E-Class Saloon (W210) E 270 CDI (210.016)

REPLACEMENT: BRAKE DISCS – MERCEDES-BENZ E-CLASS PLATFORM / CHASSIS (VF210). LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- Nylon cleaning brush
- WD-40 spray
- Brake cleaner
- Anti-squeal paste
- Ceramic grease
- Torque wrench
- Drive socket # 18
- HEX bit No.H5
- HEX bit No.H7
- Wheel impact socket #17
- Ratchet wrench
- Crow bar
- Tap wrench
- Brake caliper wind back tool
- Long nose pliers
- Wheel chock

Buy tools

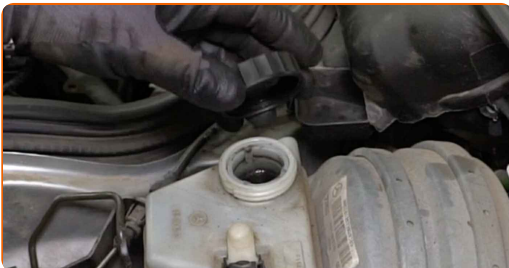
AUTODOC recommends:

- Replace the brake disks on the car MERCEDES-BENZ E-Class Platform / Chassis (VF210) in complete set for each axis. Regardless of the state of components. This will ensure even braking.
- The replacement procedure is identical for both brake disks on the same axle.
- When changing the brake discs, always replace the brake pads.
- Please note: all work on the car – MERCEDES-BENZ E-Class Platform / Chassis (VF210) – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Open the bonnet.

2 Unscrew the brake fluid reservoir cap.



3 Secure the wheels with chocks.

4

Loosen the wheel bolts. Use wheel impact socket #17. Use a tap wrench.



5

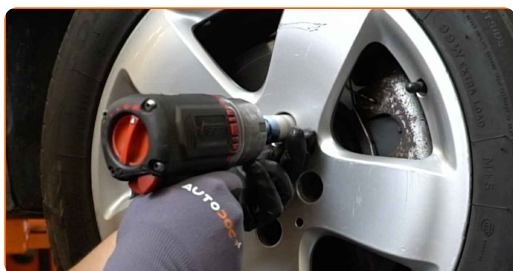
Raise the car.

Replacement: brake discs – MERCEDES-BENZ E-Class Platform / Chassis (VF210). AUTODOC recommends:

- If you are using a jack, make sure it rests on a flat surface without any unevenness.
- Be sure to additionally secure the car with jack stands.

6

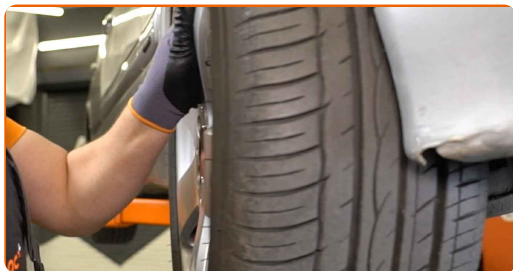
Unscrew the wheel bolts.



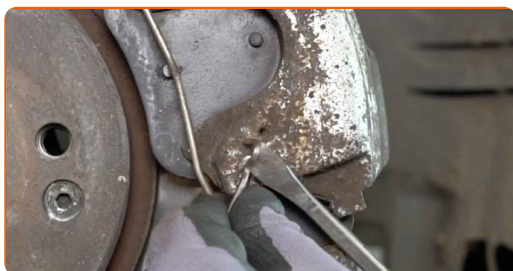
AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts. MERCEDES-BENZ E-Class Platform / Chassis (VF210)

7 Remove the wheel.



8 Detach the brake caliper retaining spring. Use a crowbar.



9 Disconnect the brake pad wear sensor. Use long nose pliers.



10 Spread the brake pads. Use a crowbar.

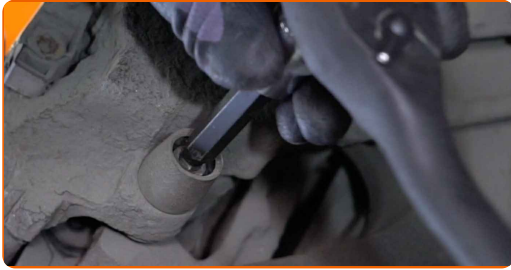


11 Remove the caps from the brake caliper guide pin boots. Use a crowbar.



12

Unscrew the brake caliper fasteners. Use HEX No.H7. Use a ratchet wrench.



13

Remove the brake caliper.

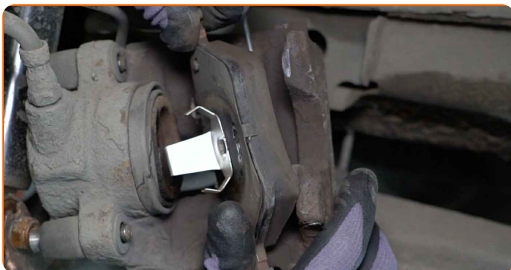


AUTODOC recommends:

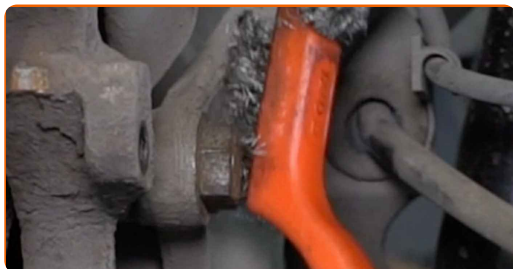
- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- Make sure that the brake caliper is not hanging on the brake hose.
- Don't press the brake pedal after the brake caliper has been removed. As a result, the piston can fall out from the brake cylinder, and brake fluid leakage and depressurization of the system may occur.

14

Remove the brake pads.



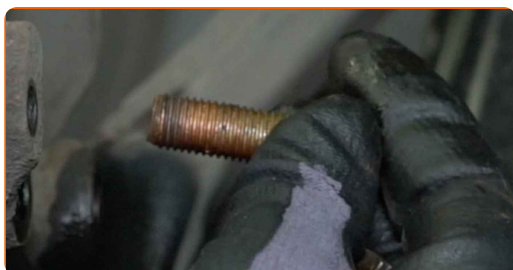
15 Clean the brake caliper bracket fasteners. Use a wire brush. Use WD-40 spray.



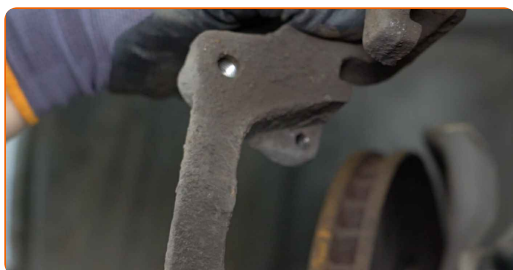
16 Unscrew the brake caliper bracket fasteners. Use a drive socket #18. Use a ratchet wrench.



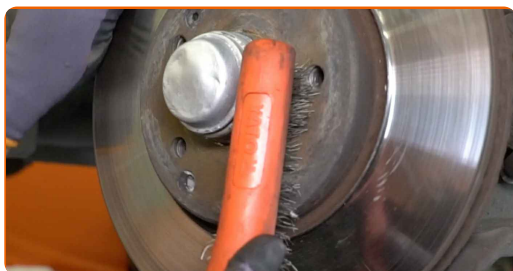
17 Remove the fastening bolts.



18 Remove the brake caliper bracket.



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



20 Unscrew the brake disc fasteners. Use HEX No.H5. Use a ratchet wrench.

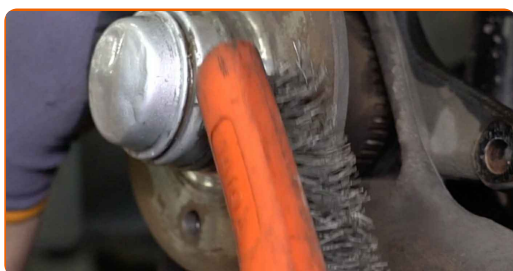


21 Remove the fastening bolt.

22 Remove the brake disc.

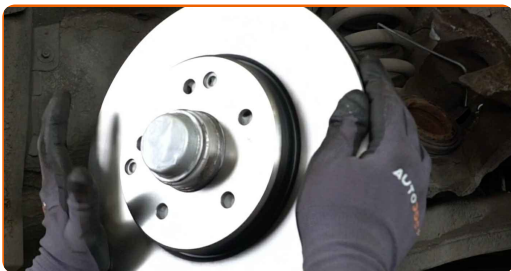


23 Clean the wheel hub. Use a wire brush.

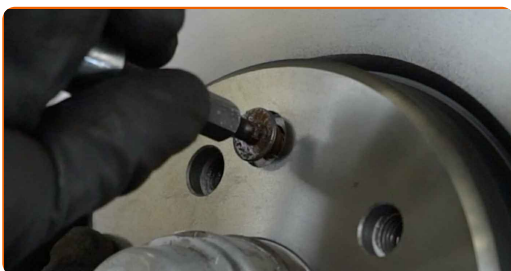


24 Treat the contacting surface. Use ceramic grease.

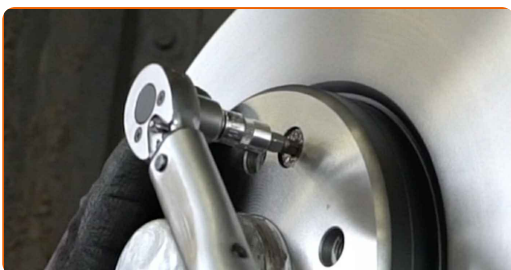
25 Install a new brake disc.



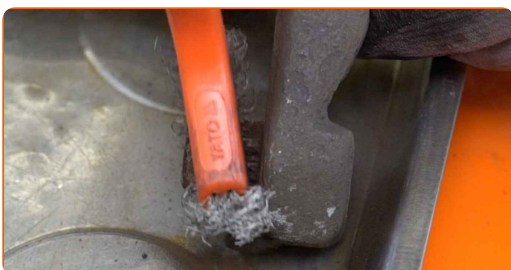
26 Install the fastening bolt.



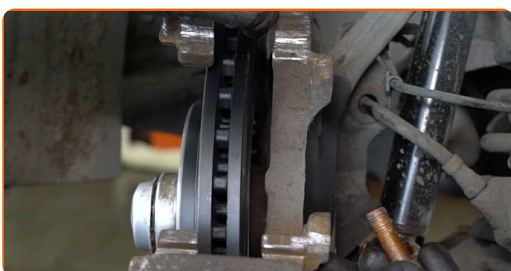
27 Tighten the brake disc fasteners. Use HEX No.H5. Use a torque wrench. Tighten it to 10 Nm torque.



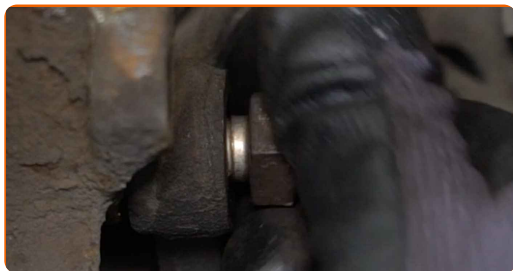
28 Clean the brake caliper bracket of dirt and dust. Use a wire brush. Use a brake cleaner.



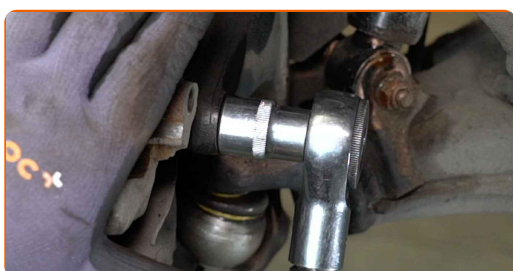
29 Install the brake caliper bracket.



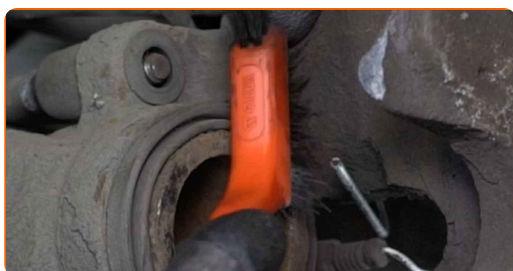
30 Install the fastening bolts.



31 Tighten the brake caliper bracket fasteners. Use a drive socket #18. Use a torque wrench. Tighten it to 115 Nm torque.



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



Replacement: brake discs – MERCEDES-BENZ E-Class Platform / Chassis (VF210). Tip:

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

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



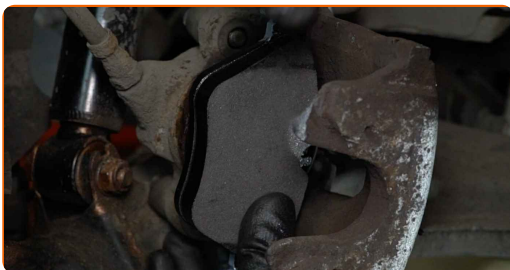
34 Treat the brake pads in the area where their surface comes into contact with the brake caliper bracket. Use anti-squeal paste.



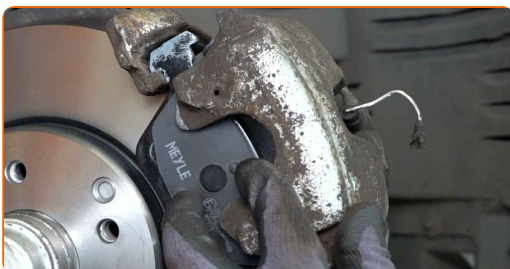
AUTODOC recommends:

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

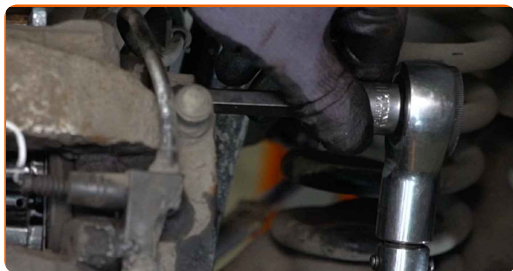
35 Install the brake pads.



36 Install the brake caliper and fasten it.



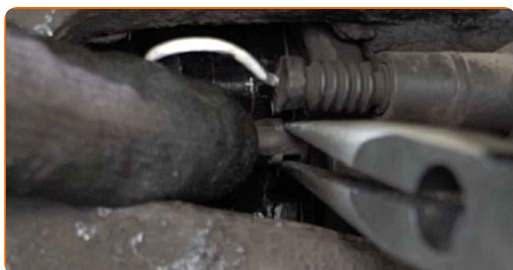
37 Tighten the brake caliper fasteners. Use HEX No.H7. Use a torque wrench. Tighten it to 25 Nm torque.



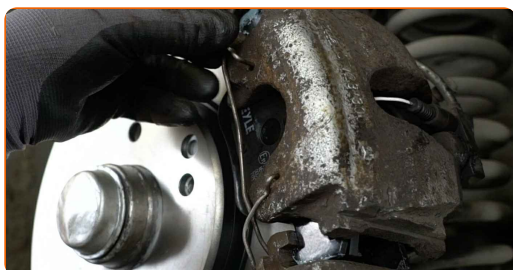
38 Install the caps on the brake caliper guide pin boots.



39 Connect the brake pad wear sensor.



40 Install the brake pad retaining clip. Use a crowbar.



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



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



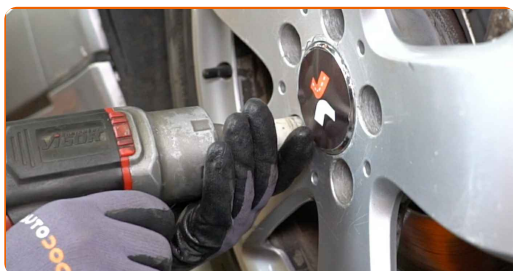
43 Install the wheel.



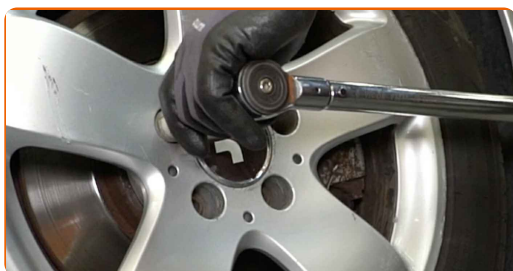
AUTODOC recommends:

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

44 Screw in the wheel bolts. Use wheel impact socket #17. Use a ratchet wrench.



- 45** 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 110 Nm torque.



- 46** Remove the jacks and chocks.



AUTODOC recommends:

- Without starting the engine, press the brake pedal several times until you feel significant resistance.
- Important! Replacement: brake discs – MERCEDES-BENZ E-Class Platform / Chassis (VF210). Check the brake fluid level in the reservoir and top up if necessary.

- 47** Tighten the brake fluid reservoir cap.



48

Close the bonnet.

WELL DONE! 

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