



How to change front
brake caliper on
Mercedes W210 –
replacement guide

VIDEO TUTORIAL



ⓘ Important!

This replacement procedure can be used for:

MERCEDES-BENZ C-Class Saloon (W202) C 280 (202.028), MERCEDES-BENZ E-Class Saloon (W210) E 220 D (210.004), MERCEDES-BENZ E-Class Saloon (W210) E 250 D (210.010), MERCEDES-BENZ E-Class Saloon (W210) E 300 D (210.020), MERCEDES-BENZ E-Class Saloon (W210) E 230 (210.037), MERCEDES-BENZ C-Class Saloon (W202) C 230 Kompressor (202.024), MERCEDES-BENZ C-Class Saloon (W202) C 250 Turbo-D (202.128), MERCEDES-BENZ E-Class Saloon (W210) E 290 Turbo-D (210.017), MERCEDES-BENZ C-Class T-modell (S202) C 250 T Turbo-D (202.188), MERCEDES-BENZ E-Class T-modell (S210) E 200 T (210.235), MERCEDES-BENZ E-Class T-modell (S210) E 230 T (210.237), MERCEDES-BENZ E-Class T-modell (S210) E 290 T Turbo-D (210.217), MERCEDES-BENZ E-Class T-modell (S210) E 250 T D (210.210), MERCEDES-BENZ C-Class Saloon (W202) C 200 Kompressor (202.025), MERCEDES-BENZ SLK (R170) 200 2.0 (170.435), (+ 31)

The steps may slightly vary depending on the car design.

**REPLACEMENT: BRAKE CALIPER – MERCEDES W210.
TOOLS YOU NEED:**



- Wire brush
- WD-40 spray
- Brake cleaner
- Brake caliper guide pins grease
- Copper grease
- HEX bit no.H7
- Torx bit T30
- Combination spanner #8
- Flare nut spanner №14
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Flat Screwdriver
- Crow bar
- Brake hose clip
- Brake bleeder kit
- Wheel chock

BUY TOOLS

Replacement: brake caliper – Mercedes W210. Professionals recommend:

- The replacement procedure is identical for the left and right brake calipers on the same axle.
- Please note: all work on the car – Mercedes W210 – 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.



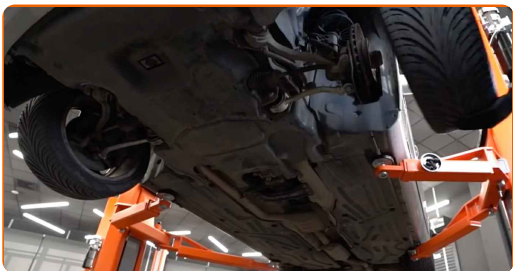
2 Secure the wheels with chocks.



3 Loosen the wheel mounting bolts. Use wheel impact socket #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 W210

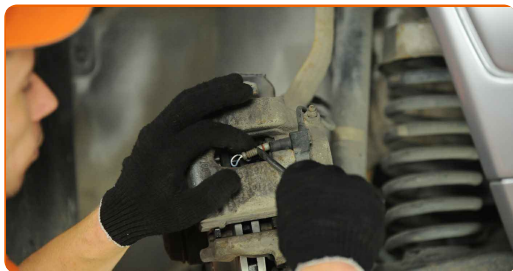
6 Remove the wheel.



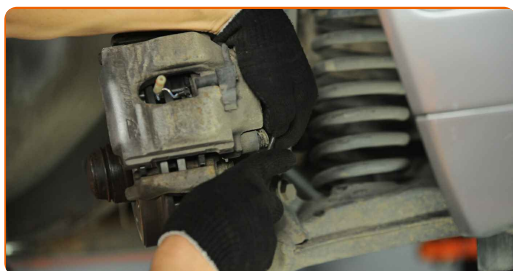
7 Detach the brake caliper retaining spring. Use a flat screwdriver.



8 Disconnect the brake pad wear sensor plug. Use a flat screwdriver.



9 Remove the dust boot caps of the brake caliper guide pins. Use a flat screwdriver.

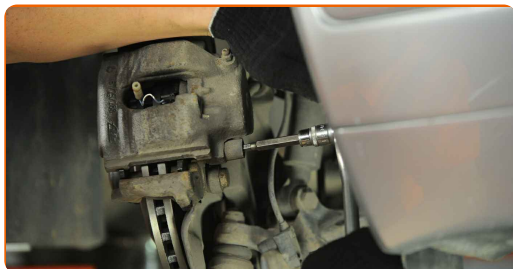


10 Disconnect the brake pads wear sensor. Use Torx T30. Use a ratchet wrench.



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

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



13

Remove the guide pins from the brake caliper.

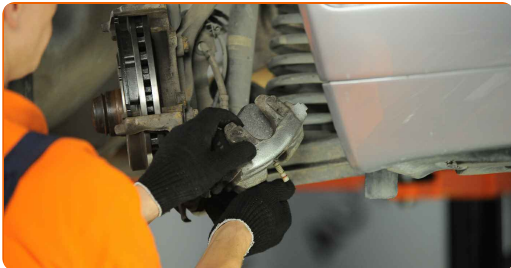
14

Spread the brake pads. Use a crowbar.



15

Remove the brake caliper.



Replacement: brake caliper – Mercedes W210. Professionals recommend:

- When replacing the brake caliper, it is recommended to check the brake hose for damages and, if necessary, to replace it with a new one.
- When replacing a brake caliper it is recommended to replace brake pads, check the state of the brake discs and replace them with new ones if necessary.
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.
- 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.

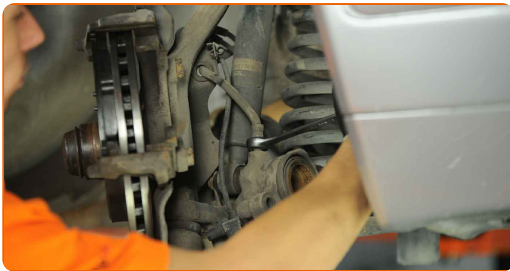
16 Remove the brake pads.



17 Clamp the brake hose off using a brake hose clamp.



18 Unscrew the brake hose from the brake caliper. Use a flare nut spanner #14.



19 Disconnect the brake hose.



20 Treat the brake hose. Use a brake cleaner.

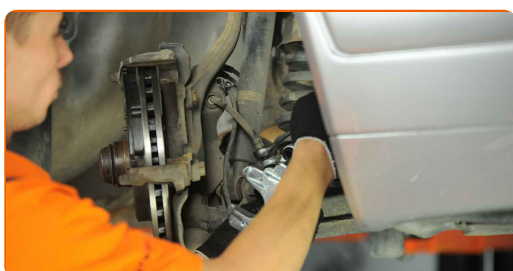
AUTODOC recommends:

- Replacement: brake caliper – Mercedes W210. After applying the spray, wait a few minutes.

21 Install and fix the brake hose into a new caliper. Use a flare nut spanner #14.



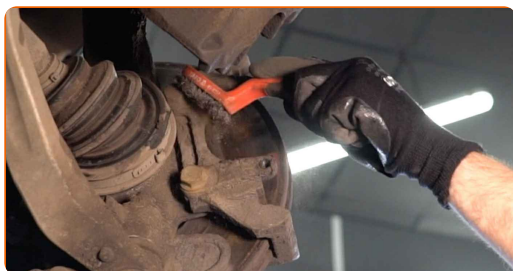
22 Tighten the fastener connecting the brake pipe to the brake caliper. Use a flare nut spanner #14. Use a torque wrench. Tighten it to 18 Nm torque.



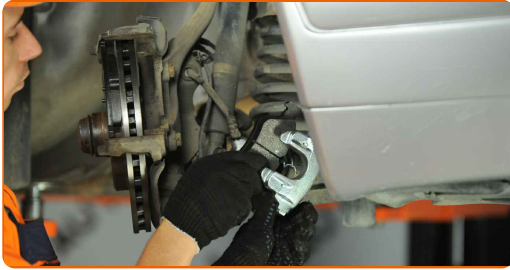
23 Remove the brake hose clamp.



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



25 Install the brake pads.



Replacement: brake caliper – Mercedes W210. AUTODOC experts recommend:

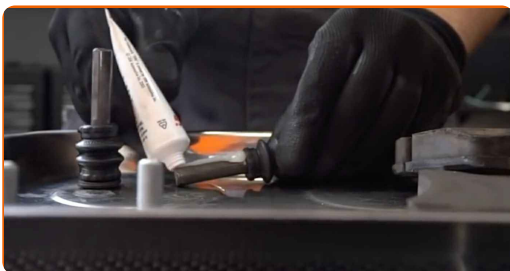
- If going to use the old brake pads, clean them.

26 Install the brake caliper and fix it.



27 Clean the brake caliper guide pins.

28 Treat the brake caliper guide pins. Use the brake caliper guide pin grease.

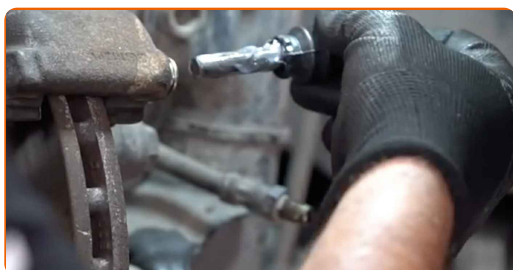


Replacement: brake caliper – Mercedes W210. Tip:

- If no new guide pins were supplied in a kit with the new brake calipers, use the old pins.

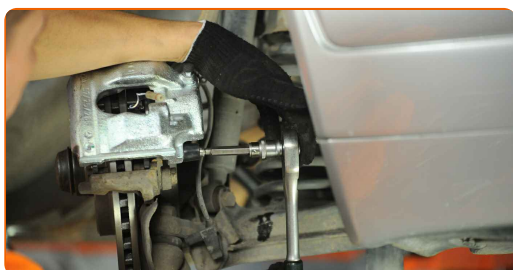
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Screw in the guide pins.



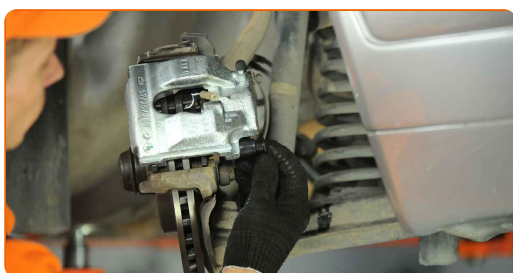
30

Tighten the brake caliper fasteners. Use HEX No.H7. Use a torque wrench. Tighten it to 35 Nm torque.



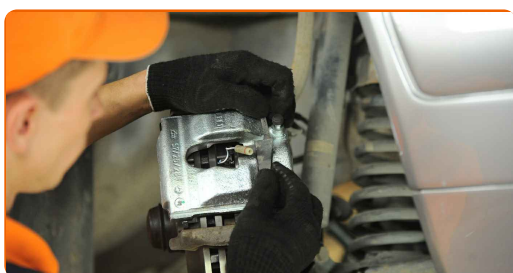
31

Install the dust boot caps of the brake caliper guide pins.



32

Connect the brake pads wear sensor. Use Torx T30. Use a ratchet wrench.



33 Connect the brake pad wear sensor plug. Use a flat screwdriver.

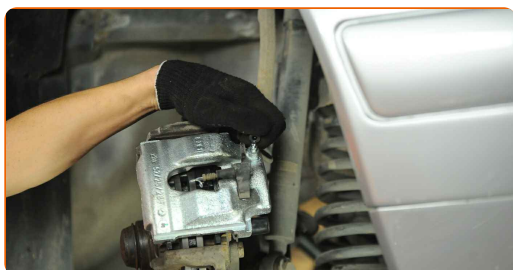


34 Install the brake caliper retaining spring. Use a flat screwdriver.

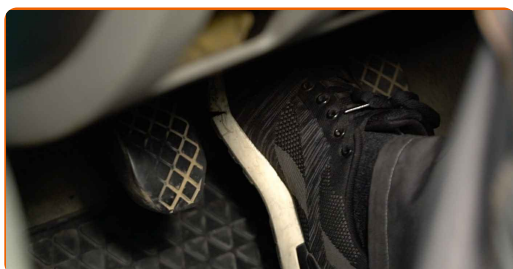


35 Connect the brake bleeder kit to the brake bleeder screw.

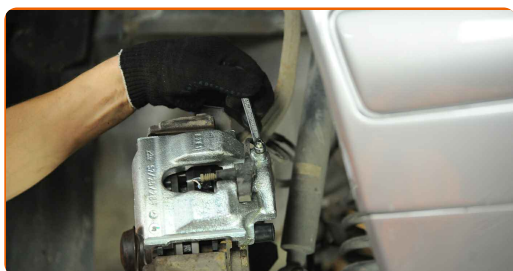
36 Undo the brake bleeder screw. Use a combination spanner #8.



37 Bleed the brake caliper system. Without starting the engine, press the brake pedal several times until you feel significant resistance.

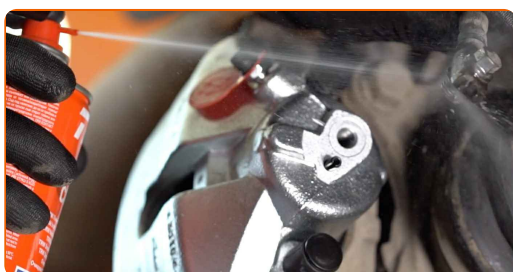


- 38 Tighten the brake caliper bleed screw. Use a combination spanner #8. Use a torque wrench. Tighten it to 7 Nm torque.



- 39 Disconnect the brake bleeder kit.

- 40 Clean dirt from the brake hose bolt. Use a brake cleaner.



AUTODOC recommends:

- Replacement: brake caliper – Mercedes W210. After applying the spray, wait a few minutes.

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



42

Clean the brake disk surface. Use a brake cleaner.



Replacement: brake caliper – Mercedes W210. AUTODOC experts recommend:

- After applying the spray, wait a few minutes.

43

Install the wheel.

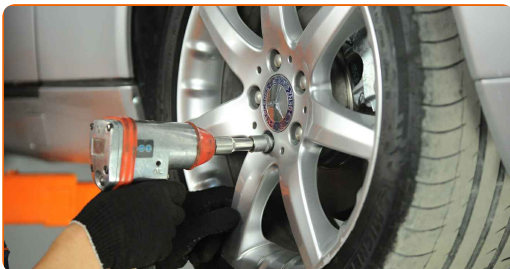


AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. Mercedes W210

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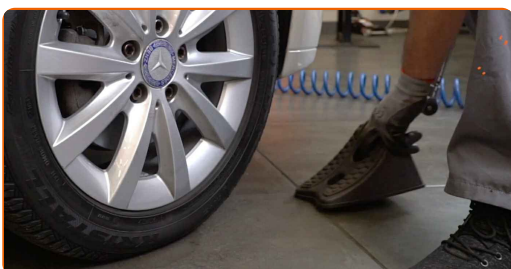
Screw in the wheel bolts. Use wheel impact socket #17.



- 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.



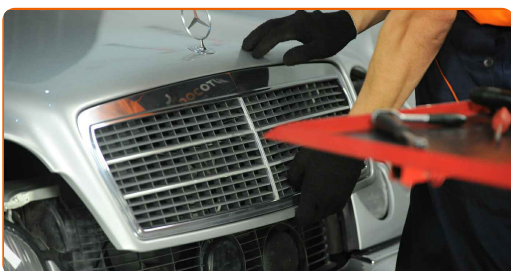
- 46** Remove the jacks and chocks.



Replacement: brake caliper – Mercedes W210. AUTODOC recommends:

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

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



Replacement: brake caliper – Mercedes W210. Tip:

- Without starting the engine, press the brake pedal several times until you feel significant resistance.

WELL DONE! 

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