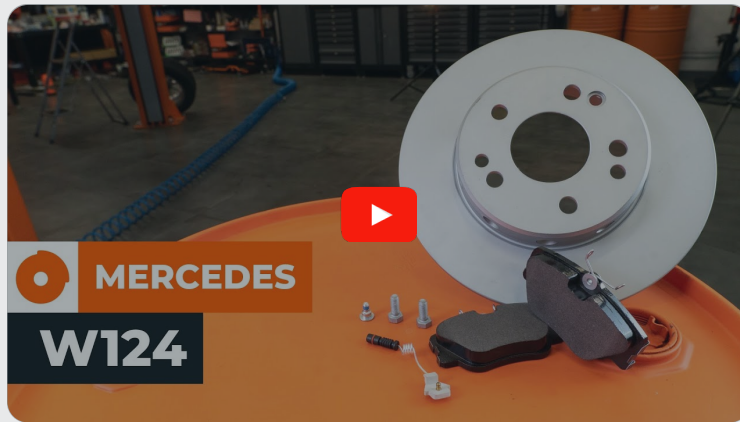




How to change front
brake pads on **Mercedes**
W124 – replacement
guide

VIDEO TUTORIAL



Important!

This replacement procedure can be used for:

MERCEDES-BENZ Saloon (W124) 200 2.0 (124.020), MERCEDES-BENZ Saloon (W124) 200 E 2.0 (124.021), MERCEDES-BENZ Saloon (W124) 230 E 2.3 (124.023), MERCEDES-BENZ Saloon (W124) 200 D 2.0 (124.120), MERCEDES-BENZ Saloon (W124) 250 D 2.5 (124.125), MERCEDES-BENZ E-Class Saloon (W124) E 250 D (124.126, 124.129), MERCEDES-BENZ Saloon (W124) 300 D 3.0 (124.130), MERCEDES-BENZ Saloon (W124) 200 2.0, MERCEDES-BENZ W124 Estate (S124) 200 2.0 (124.080), MERCEDES-BENZ W124 Estate (S124) 200 TE 2.0 (124.081), MERCEDES-BENZ W124 Estate (S124) 200 TE 2.0, MERCEDES-BENZ W124 Estate (S124) 230 TE 2.3 (124.083), MERCEDES-BENZ W124 Estate (S124) 200 D 2.0 (124.180), MERCEDES-BENZ W124 Estate (S124) 250 D 2.5 (124.185), MERCEDES-BENZ W124 Estate (S124) 300 D 3.0 (124.190), (+ 7)

The steps may slightly vary depending on the car design.

REPLACEMENT: BRAKE PADS – MERCEDES W124. LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- Nylon cleaning brush
- WD-40 spray
- Brake cleaner
- Dielectric grease
- Anti-squeal paste
- Ceramic grease
- Torque wrench
- Combination spanner #15
- Drive socket # 13
- Drive socket # 19
- HEX bit No.H5
- Wheel impact socket #17
- Ratchet wrench
- Tap wrench
- Crow bar
- Brake caliper wind back tool
- Wheel chock

BUY TOOLS

AUTODOC recommends:

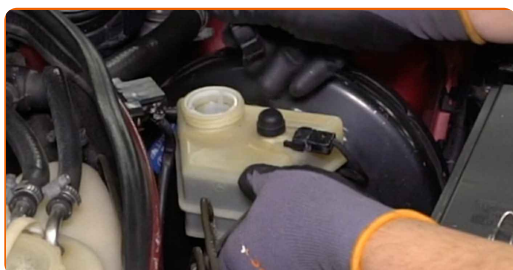
- Perform the replacement of brake pads in complete set for each axis. This provides effective braking.
- The replacement procedure is identical for all brake pads on the same axle.
- Warning! Shut down the engine before starting any work – Mercedes W124.

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 pads – Mercedes W124. 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:

- Important! Hold the wheel while unscrewing the fastening bolts. Mercedes W124

7

Remove the wheel.



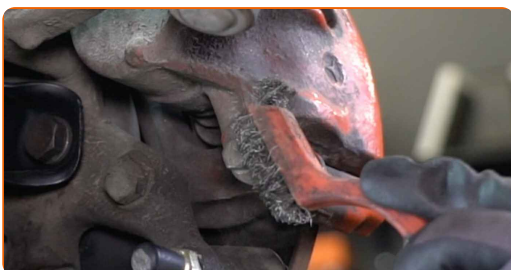
8

Detach the connector of the brake pad wear sensor.



9

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



10

Unscrew the brake caliper fasteners. Use a combination spanner #15. Use a drive socket #13. Use a ratchet wrench.



11

Remove the fastening bolts.

12

Spread the brake pads. Use a crowbar.



13

Remove the brake caliper.



Replacement: brake pads – Mercedes W124. Tip from AUTODOC experts:

- 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.



Replacement: brake pads – Mercedes W124. Tip from AUTODOC:

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

15

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

AUTODOC recommends:

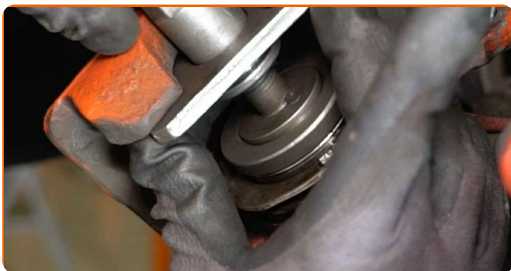
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

16

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



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



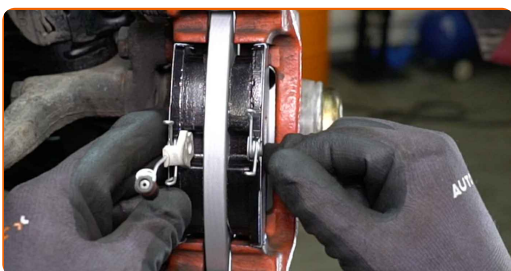
18 Treat the brake pads in the area where their surface comes into contact with the brake caliper bracket. Use anti-squeal paste.



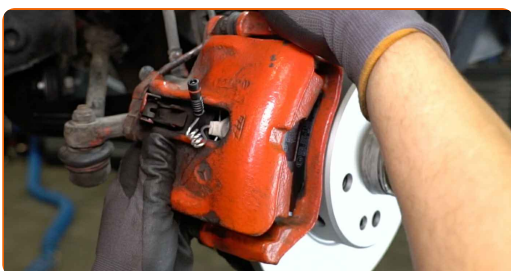
AUTODOC recommends:

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

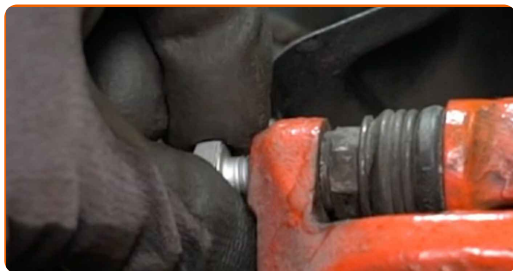
19 Install new brake pads.



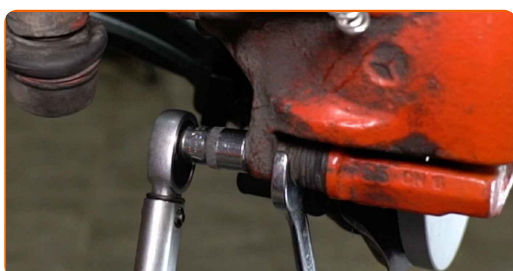
20 Install the brake caliper and fasten it.



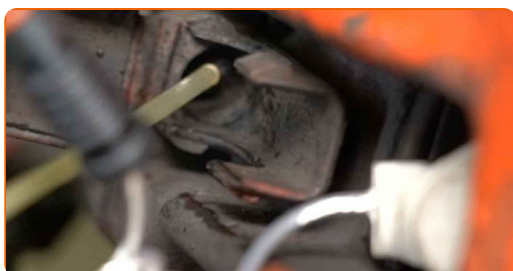
21 Install the fastening bolts.



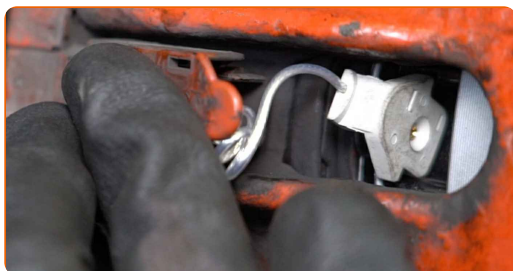
22 Tighten the brake caliper fasteners. Use a combination spanner #15. Use a drive socket #13. Use a torque wrench. Tighten it to 35 Nm torque.



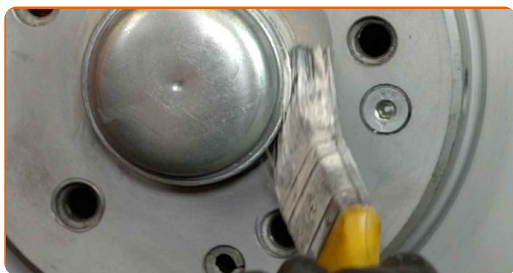
23 Treat the brake pad wear sensor plug. Use dielectric grease.



24 Attach the connector of the brake pad wear sensor.



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



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

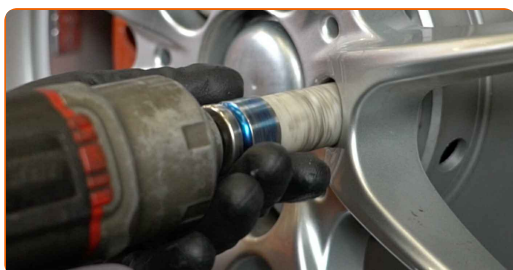
27 Install the wheel.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. Mercedes W124

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



- 29** 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.



- 30** Remove the jacks and chocks.



Replacement: brake pads – Mercedes W124. AUTODOC experts recommend:

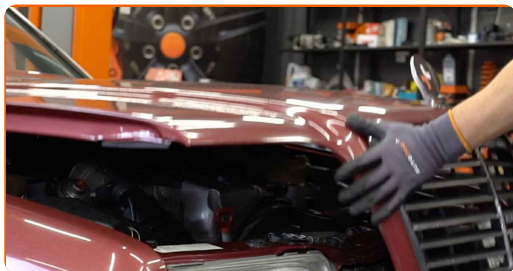
- Without starting the engine, press the brake pedal several times until you feel significant resistance.
- Check the brake fluid level in the expansion tank and top up if necessary.

- 31** Tighten the brake fluid reservoir cap.



32

Close the bonnet.



AUTODOC recommends:

- Slow down smoothly for first 150-200 km after the brake pads replacement. Avoid unnecessary and sharp braking to a stop.

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