



How to change rear
brake pads on **Mercedes**
ML W163 – replacement
guide

VIDEO TUTORIAL



ⓘ Important!

This replacement procedure can be used for:

MERCEDES-BENZ M-Class (W163) ML 320 (163.154), MERCEDES-BENZ M-Class (W163) ML 430 (163.172), MERCEDES-BENZ M-Class (W163) ML 55 AMG (163.174), MERCEDES-BENZ M-Class (W163) ML 400 CDI (163.128), MERCEDES-BENZ M-Class (W163) ML 500 (163.175), MERCEDES-BENZ M-Class (W163) ML 350 (163.157), MERCEDES-BENZ M-Class (W163) ML 350

The steps may slightly vary depending on the car design.

REPLACEMENT: BRAKE PADS – MERCEDES ML W163. TOOLS YOU NEED:



- Wire brush
- Nylon cleaning brush
- Brake cleaner
- Anti-squeal paste
- Copper grease
- Torque wrench
- Wheel impact socket #17
- Pin punch
- Hammer
- Rubber mallet
- Brake caliper wind back tool
- Crow bar
- Wheel chock

[BUY TOOLS](#)

Replacement: brake pads – Mercedes ML W163. 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 ML W163 – 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.

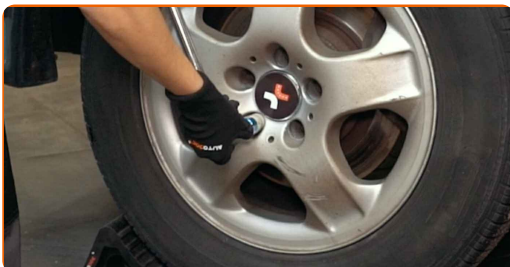


2

Secure the wheels with chocks.

3

Loosen the wheel mounting bolts. Use wheel impact socket #17.



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



- 5 Unscrew the wheel bolts.



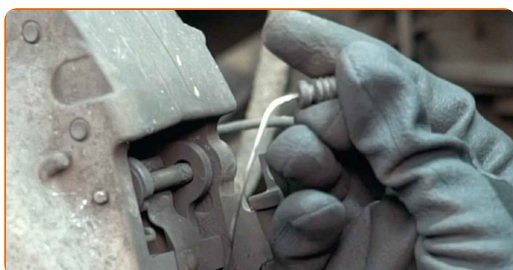
AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.
Mercedes ML W163

- 6 Remove the wheel.



- 7 Detach the connector of the brake pad wear sensor.



Please note!

- Some cars are not equipped with the brake pad wear sensor.

8

Clean the brake caliper fasteners. Use a wire brush. Use a brake cleaner.



AUTODOC recommends:

- Replacement: brake pads – Mercedes ML W163. After applying the spray, wait a few minutes.

9

Remove the brake pads retaining clips. Use a pin punch. Use a hammer. Use a crowbar.



10

Remove the brake pads. Use a crowbar.



11

Clean the brake caliper surface. Use a wire brush. Use a brake cleaner.



Replacement: brake pads – Mercedes ML W163. AUTODOC experts recommend:

- After applying the spray, wait a few minutes.

12

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



AUTODOC recommends:

- Replacement: brake pads – Mercedes ML W163. After applying the spray, wait a few minutes.

13

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



14

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 ML W163. AUTODOC recommends:

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

15

Install the brake pads.



Replacement: brake pads – Mercedes ML W163. Tip:

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

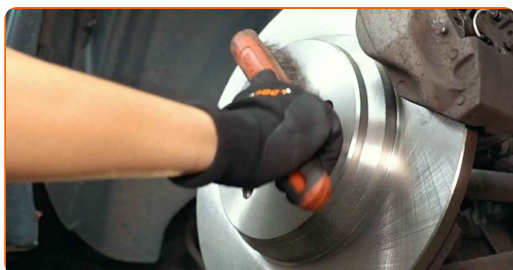
- 16** Install the brake pads retaining clips. Use a pin punch. Use a rubber mallet.



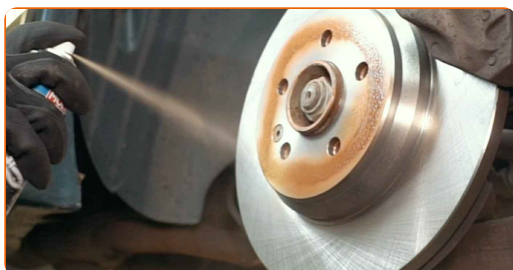
- 17** Attach the connector of the brake pad wear sensor.



- 18** Clean the wheel rim mounting seat. Use a wire brush.



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



- 20** Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- Replacement: brake pads – Mercedes ML W163. After applying the spray, wait a few minutes.

21

Install the wheel.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. Mercedes ML W163

22

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



23

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 150 Nm torque.



24

Remove the jacks and chocks.

Replacement: brake pads – Mercedes ML W163. Tip:

- 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 refill if necessary.

25

Tighten the brake fluid reservoir cap. Close the hood.



Replacement: brake pads – Mercedes ML W163. Tip from AUTODOC experts:

- 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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