



How to change rear
brake shoes on
Mercedes W168 –
replacement guide

VIDEO TUTORIAL



i Important!

This replacement procedure can be used for:

MERCEDES-BENZ A-Class (W168) A 140 (168.031, 168.131), MERCEDES-BENZ A-Class (W168) A 160 CDI (168.007), MERCEDES-BENZ A-Class (W168) A 170 CDI (168.008), MERCEDES-BENZ A-Class (W168) A 160 CDI (168.006), MERCEDES-BENZ A-Class (W168) A 170 CDI (168.009, 168.109)

The steps may slightly vary depending on the car design.

REPLACEMENT: BRAKE SHOES – MERCEDES W168. TOOLS YOU NEED:



- Wire brush
- WD-40 spray
- Copper grease
- Drive socket # 30
- HEX bit no.H6.
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Round-nose pliers
- Pliers
- Flat chisel
- Hammer
- Rubber mallet
- Crow bar
- Flat Screwdriver
- Wheel chock

[BUY TOOLS](#)

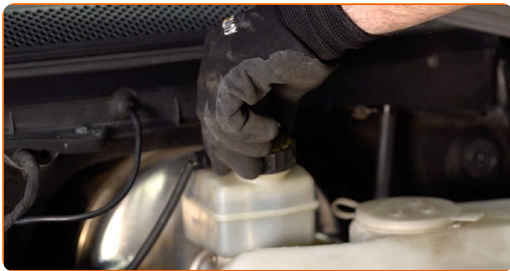
Replacement: brake shoes – Mercedes W168. AUTODOC experts recommend:

- 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.
- All work should be done with the engine stopped.

REPLACEMENT: BRAKE SHOES – MERCEDES W168. TAKE THE FOLLOWING STEPS:

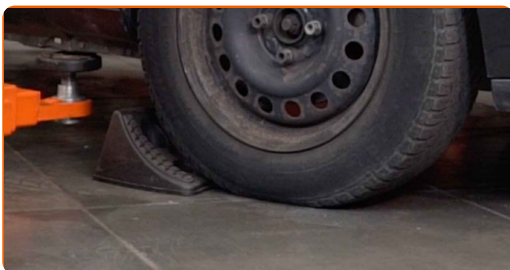
1

Open the bonnet. Unscrew the brake fluid reservoir cap.



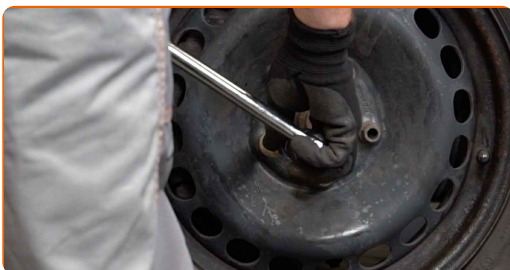
2

Secure the wheels with chocks.



3

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



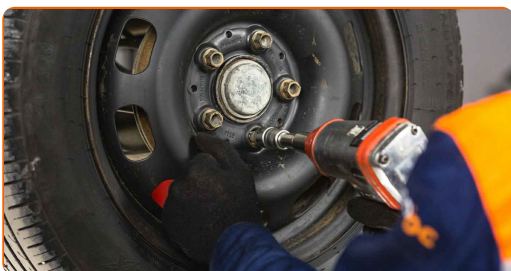
4

Raise the rear of the car and secure on supports.



5

Unscrew the wheel bolts.

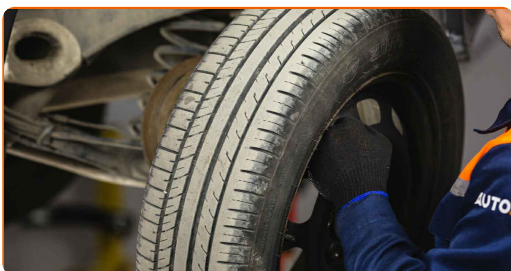


Replacement: brake shoes – Mercedes W168. AUTODOC recommends:

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

6

Remove the wheel.



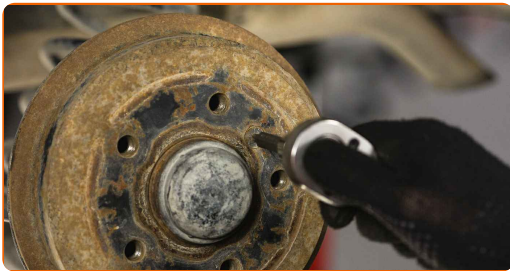
7

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



8

Unscrew the brake drum fastening. Use HEX No.H6. Use a ratchet wrench.



9

Remove the brake drum. Use a rubber mallet.



10

Remove the hub bearing protection cap. Use a flat screwdriver.



11

Unscrew the wheel hub axle nut. Use a drive socket #30. Use a ratchet wrench.

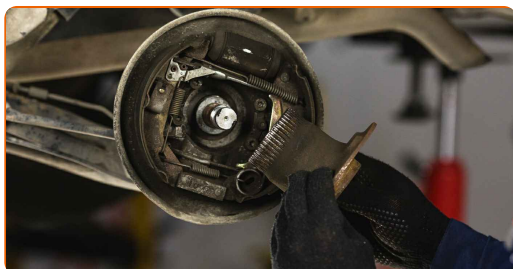


12

Remove the fastening nut.

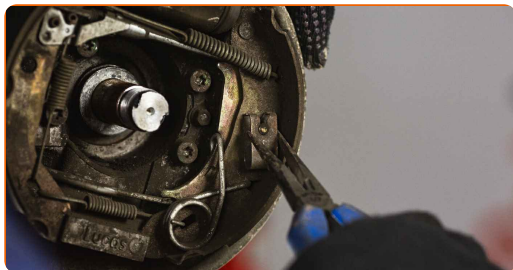
13

Remove the wheel hub. Use a crowbar.



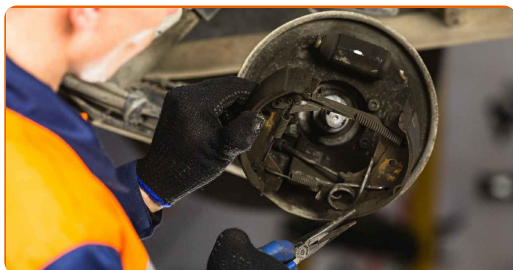
14

Remove the brake pads retaining clips. Use round-nose pliers.



15

Pull both brake shoes with the adjuster from the working brake cylinder, avoiding damage to the boots. Use round-nose pliers.



Replacement: brake shoes – Mercedes W168. Tip:

- Don't press the brake pedal after removing the rear brake drum shoes. This will cause the piston to fall out of the brake cylinder, leakage of brake fluid and depressurization of the system.

16

Release the parking brake cable. Use round-nose pliers.



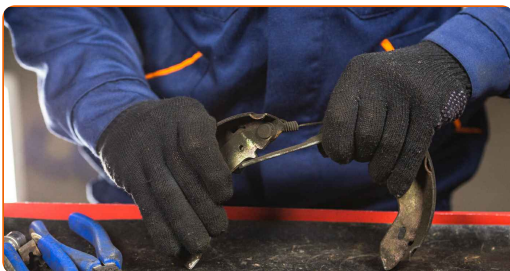
17

Remove the retaining springs of the brake pads.



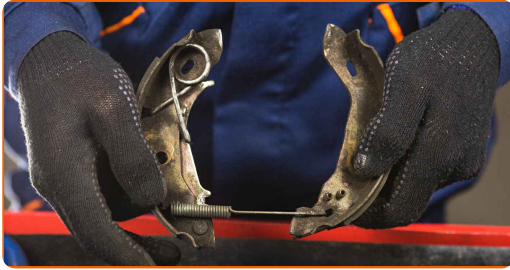
18

Remove both shoes from the mounting bracket.



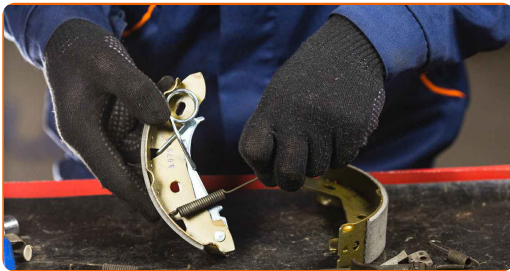
19

Perform further demounting of the upper retaining spring and the adjuster mechanism. Use pliers.



20

Install the upper retaining springs and adjustment mechanism on new brake shoes.



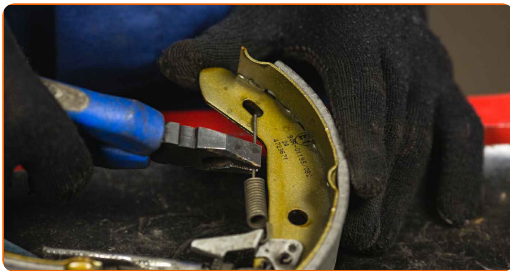
21

Place the brake shoes so that their inward edges rest on the anchor plate.



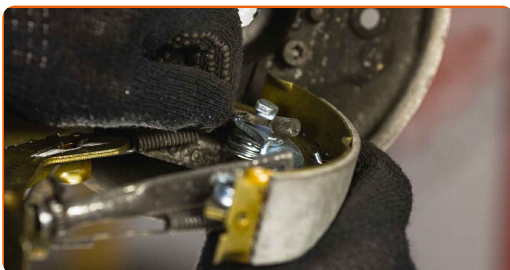
22

Install the retaining springs of the brake pads. Use pliers.



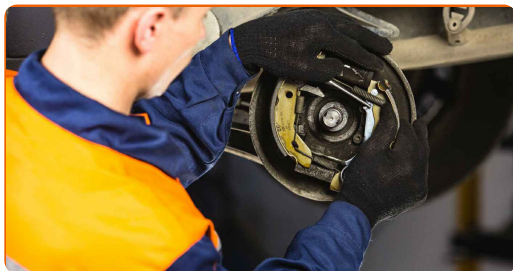
23

Secure the parking brake cable.



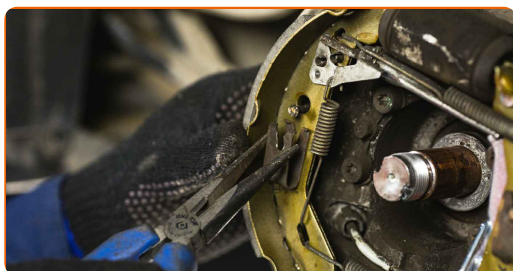
24

Attach the brake shoes, together with the brake adjuster, to the wheel cylinder.



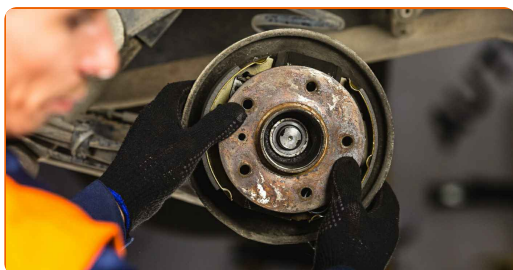
25

Install the brake pads retaining clips. Use round-nose pliers.



26

Install the wheel hub.

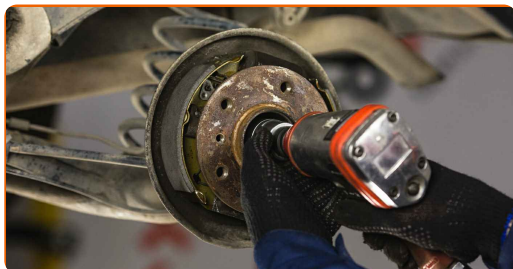


27

Install the fastening nut.

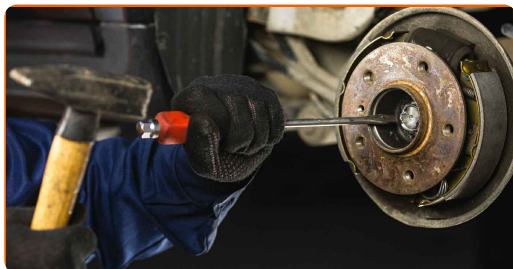
28

Tighten the hub. Use a drive socket #30. Use a torque wrench. Tighten it to 170 Nm torque.



29

Restake the wheel hub retaining nut. Use a flat metal-working chisel. Use a hammer.

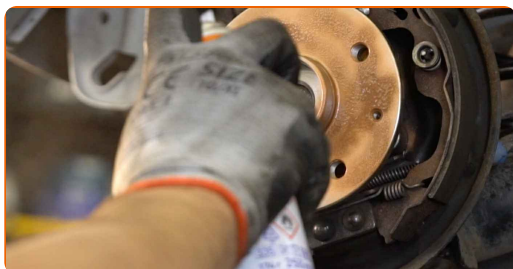


30

Install the hub bearing protection cap. Use a rubber mallet.

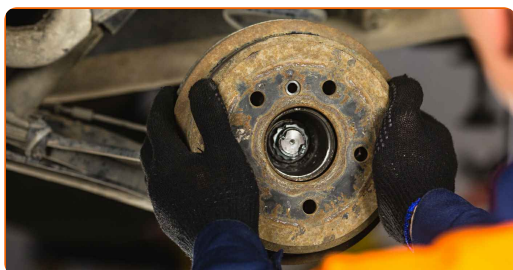
31

Clean the hub. Use a wire brush. Treat the contacting surface. Use copper grease.



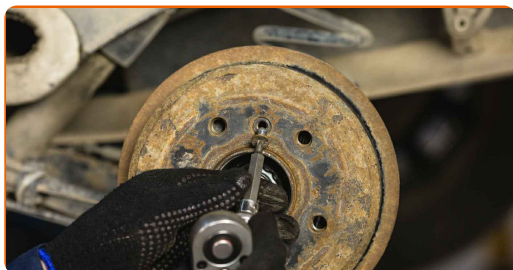
32

Install a brake drum.



33

Tighten the brake drum fasteners. Use a flat screwdriver. Use HEX No.H6. Use a torque wrench. Tighten it to 10 Nm torque.

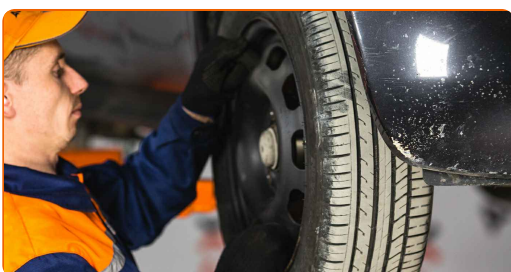


34 Clean the wheel rim mounting seat. Use a wire brush.

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



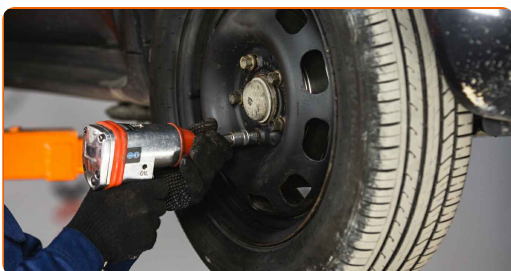
36 Install the wheel.



Replacement: brake shoes – Mercedes W168. Tip from AUTODOC experts:

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

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



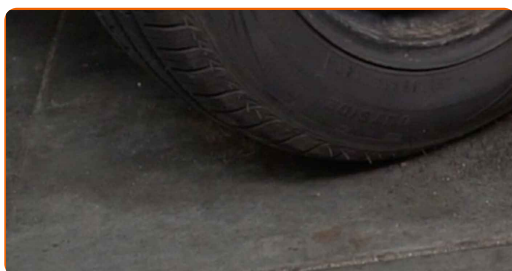
38

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 120 nm torque.



39

Remove the jacks and chocks.

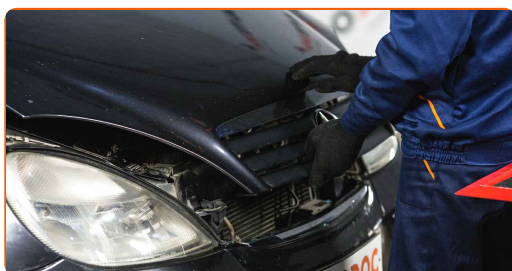


Replacement: brake shoes – Mercedes W168. Professionals recommend:

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

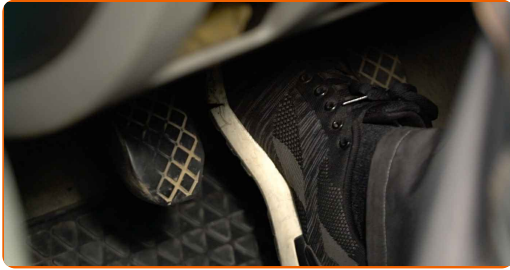
40

Tighten the brake fluid reservoir cap. Close the hood.



41

Adjust the gap between the brake shoes and the drum on Mercedes W168, pressing the brake pedal 10-15 times.



WELL DONE! 

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