



How to change front
wheel bearing on
Mercedes W201 –
replacement guide

VIDEO TUTORIAL

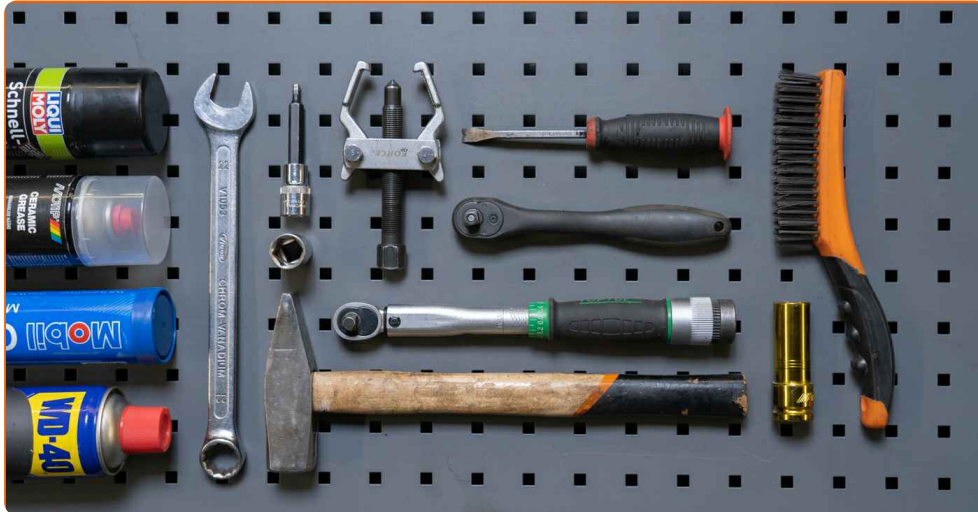
** Important!**

This replacement procedure can be used for:

MERCEDES-BENZ 190 (W201) E 1.8 (201.018), MERCEDES-BENZ 190 (W201) 2.0 (201.022), MERCEDES-BENZ 190 (W201) E 2.0 (201.024), MERCEDES-BENZ 190 (W201) 2.0 (201.023), MERCEDES-BENZ 190 (W201) E 2.0, MERCEDES-BENZ 190 (W201) E 2.3, MERCEDES-BENZ 190 (W201) E 2.3 (201.028), MERCEDES-BENZ 190 (W201) E 2.6, MERCEDES-BENZ 190 (W201) D 2.0 (201.122), MERCEDES-BENZ 190 (W201) D 2.5 (201.126), MERCEDES-BENZ 190 (W201) Turbo-D 2.5 (201.128), MERCEDES-BENZ 190 (W201) E Evolution II 2.5, MERCEDES-BENZ 190 (W201) 2.3, MERCEDES-BENZ 190 (W201) 2.3 E

The steps may slightly vary depending on the car design.

REPLACEMENT: WHEEL BEARING – MERCEDES W201.
 TOOLS YOU NEED:



- Wire brush
- WD-40 spray
- All-purpose cleaning spray
- Bearing grease
- Ceramic grease
- Torque wrench
- Combination spanner #22
- Drive socket # 19
- HEX bit no.H5
- Wheel impact socket #17
- Ratchet wrench
- Tap wrench
- Bush and bearing driver set
- Universal puller
- Hammer
- Crow bar
- Wheel chock

BUY TOOLS

Replacement: wheel bearing – Mercedes W201. Tip from AUTODOC experts:

- Do not re-use the bearing assembly of your Mercedes W201 car.
- The wheel hub bearing replacement procedure is identical for both wheels on the same axle.
- All work should be done with the engine stopped.

**REPLACEMENT: WHEEL BEARING – MERCEDES W201.
RECOMMENDED SEQUENCE OF STEPS:**

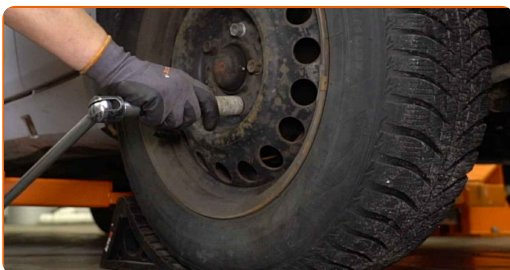
1 Open the bonnet.



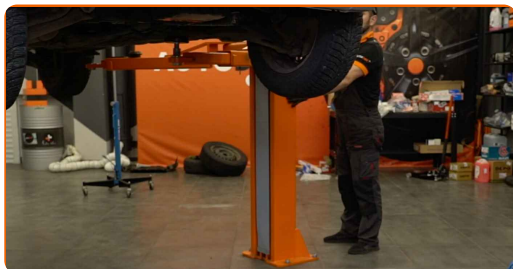
2 Unscrew the brake fluid reservoir cap.

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: wheel bearing – Mercedes W201. 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.

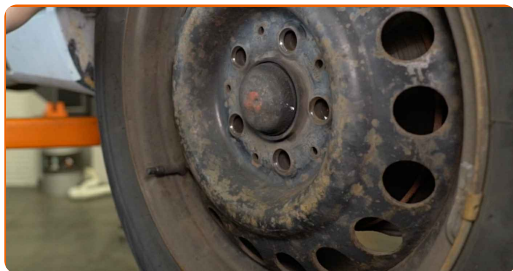
6 Unscrew the wheel bolts.



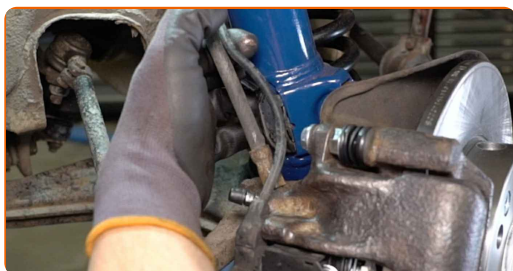
AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.
Mercedes W201

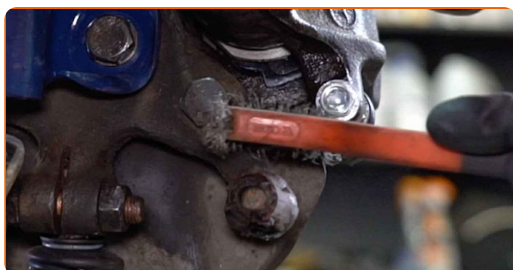
7 Remove the wheel.



8 Disconnect the wiring from the strut.



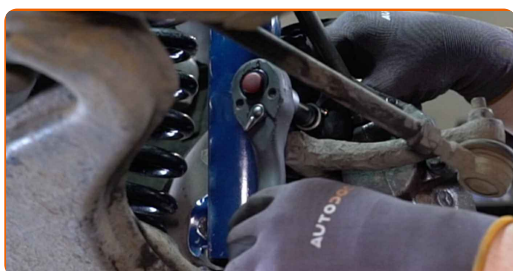
9 Clean the brake caliper bracket fasteners. Use a wire brush. Use WD-40 spray.



10 Spread the brake pads. Use a crowbar.



11 Unscrew the brake caliper bracket fasteners. Use a drive socket #19. Use a ratchet wrench.



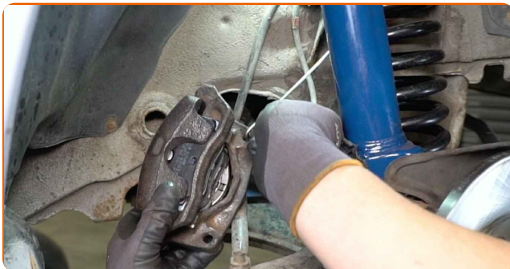
12

Remove the fastening bolts.



13

Remove the brake caliper together with its bracket.



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

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



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



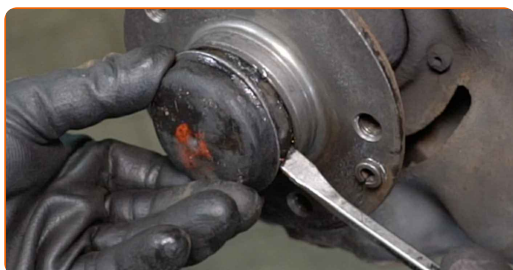
16 Remove the fastening bolt.



17 Remove the brake disc.



18 Remove the hub bearing cap. Use a crowbar. Use a hammer.



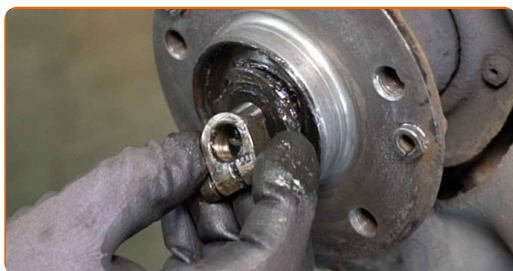
19 Remove the contact spring.



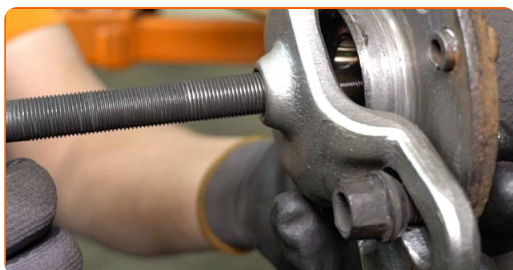
20 Loosen the wheel hub fastening nut screw. Use HEX No.H5. Use a ratchet wrench.



21 Unscrew the hub nut.



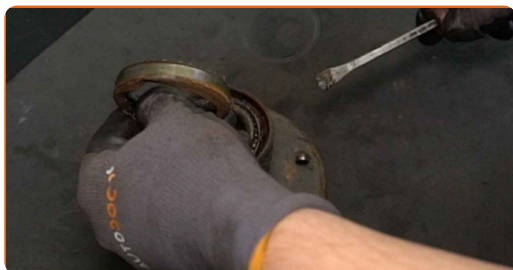
22 Remove the wheel hub together with the bearing. Use a universal puller.



23 Clean the wheel stub axle. Use all-purpose cleaning spray.



24 Remove the inner oil seal of the wheel bearing. Use a crowbar.



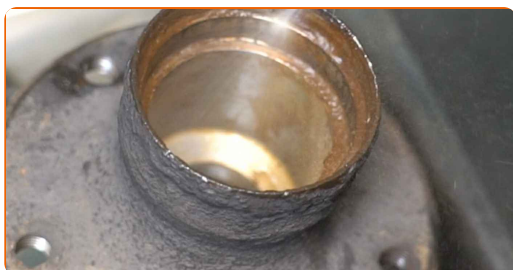
25 Remove elements of the bearings from the wheel hub.



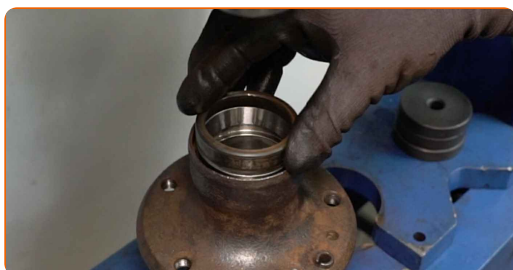
26 Dismantle the outer bearing races. Use a bush and bearing driver set. Use a universal puller.



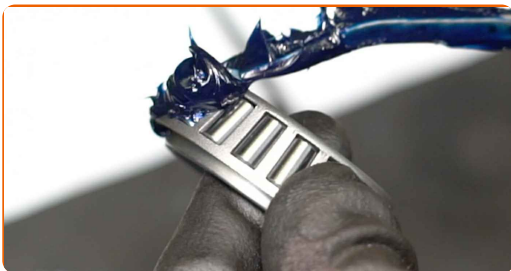
27 Clean the mounting seats of the wheel bearings. Use all-purpose cleaning spray.



28 Install the outer rings of the new wheel bearings. Use a bush and bearing driver set.



29 Treat the wheel bearings. Use bearing grease.



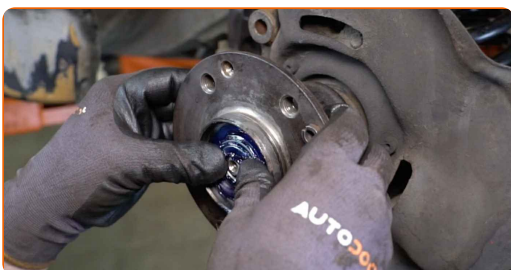
30 Reinstall the elements of the bearings in the wheel hub.



31 Press in the inner oil seal of the wheel bearing. Use a bush and bearing driver set.



32 Reinstall the hub together with the new bearings.



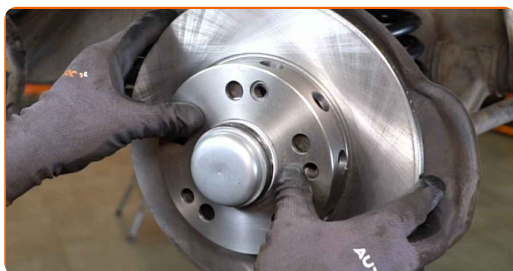
33 Screw on the hub nut.



34 Treat the contacting surface. Use ceramic grease.



35 Install the brake disc.



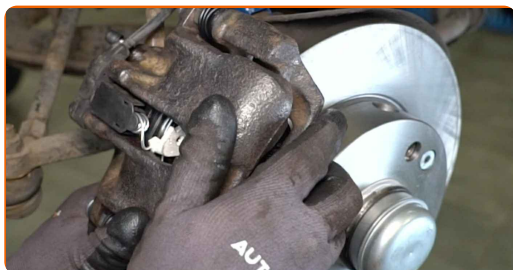
36 Install the fastening bolt.



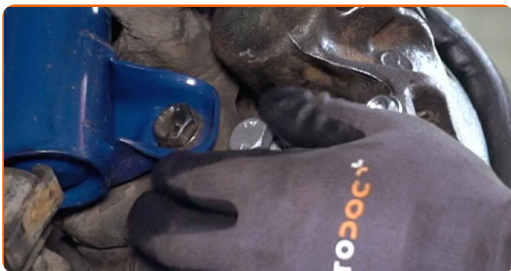
37 Tighten the brake disc fasteners. Use HEX No.H5. Use a torque wrench. Tighten it to 10 Nm torque.



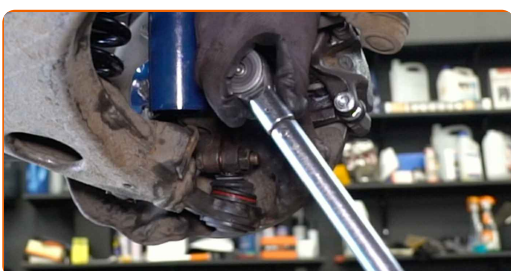
38 Install the brake caliper together with its bracket.



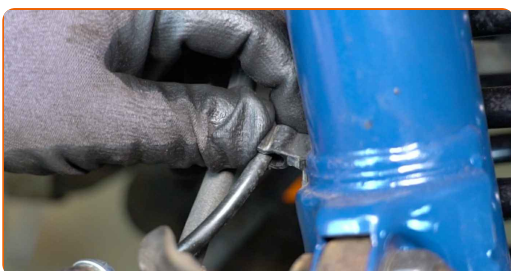
39 Install the fastening bolts.



40 Tighten the brake caliper bracket fasteners. Use a drive socket #19. Use a torque wrench. Tighten it to 115 Nm torque.



41 Secure the wiring to the strut.



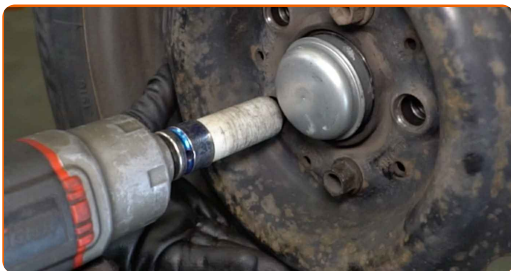
42 Install the wheel.



Replacement: wheel bearing – Mercedes W201. Tip:

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

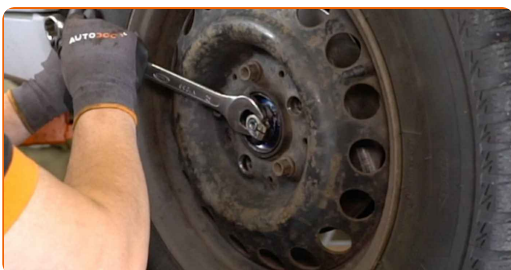
43 Screw in the wheel bolts. Use wheel impact socket #17. Use a ratchet wrench.



44 Spin the wheel to distribute the new grease evenly on the wheel bearings.



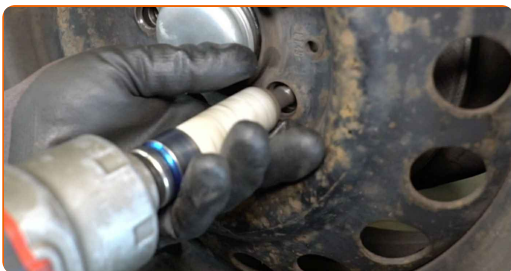
45 Adjust the axial clearance by tightening the adjusting nut. Use a combination spanner #22.



AUTODOC recommends:

- See your car's repair manual for exact adjustment instructions.

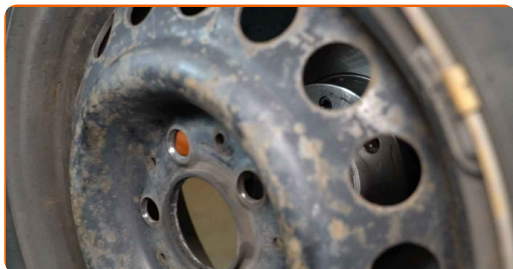
46 Unscrew the wheel bolts.



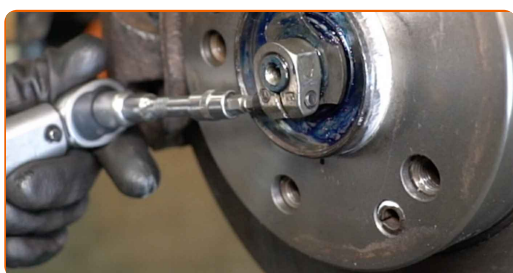
Replacement: wheel bearing – Mercedes W201. Tip from AUTODOC:

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

47 Remove the wheel.



48 Tighten the screw of the wheel hub fastening nut. Use HEX No.H5. Use a torque wrench. Tighten it to 12 Nm torque.



49 Install the contact spring.



50 Install the hub bearing cap. Use a bush and bearing driver set. Use a hammer.



51

Clean the wheel rim mounting seat. Use a wire brush. Use all-purpose cleaning spray.



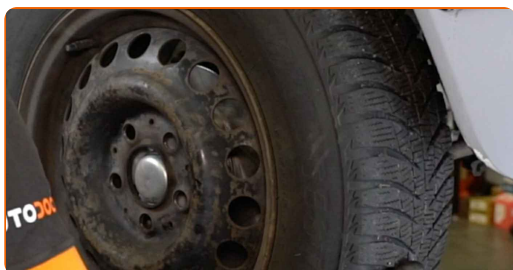
52

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



53

Install the wheel.



AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. Mercedes W201

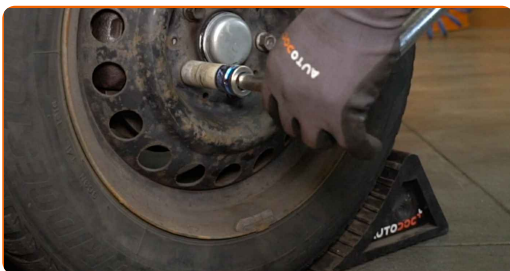
54

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



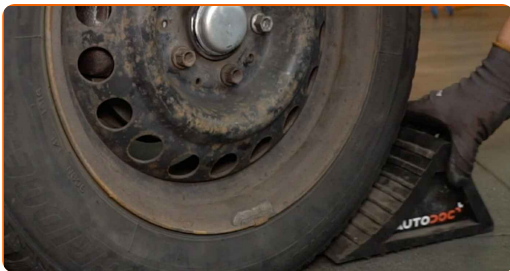
55

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.



56

Remove the jacks and chocks.



Replacement: wheel bearing – Mercedes W201. Professionals 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.

57 Tighten the brake fluid reservoir cap.

58 Close the bonnet.

WELL DONE! 

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