



How to change front
wheel bearing on
MERCEDES-BENZ SL
(R107) – replacement
guide

SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

Important!

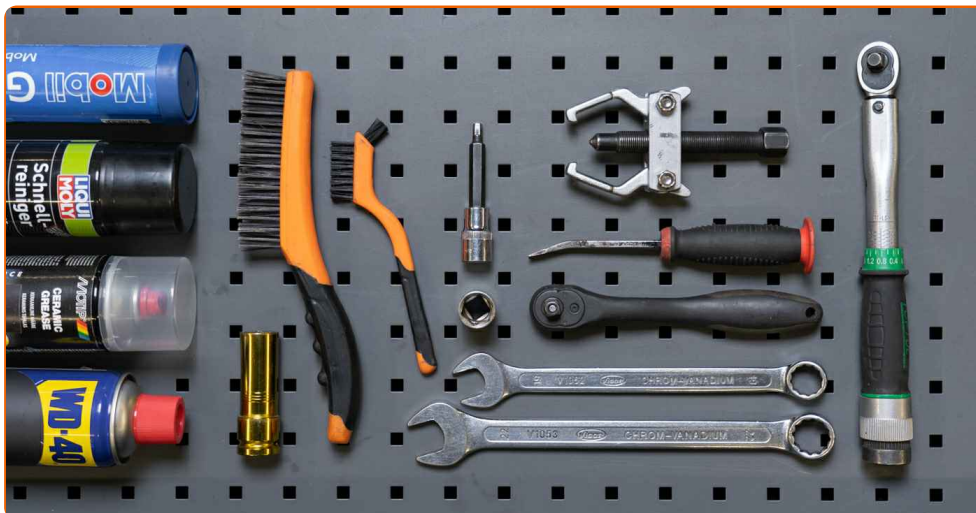
This replacement procedure can be used for:

MERCEDES-BENZ SL (R107) 300 SL 3.0 (107.041), MERCEDES-BENZ SL (R107) 420 SL 4.2 (107.047), MERCEDES-BENZ SL (R107) 500 SL 5.0 (107.046), MERCEDES-BENZ SL (R107) 560 SL 5.6 (107.048)

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: MERCEDES-BENZ E-Class Saloon (W124) E 250 D (124.126, 124.129)

REPLACEMENT: WHEEL BEARING – MERCEDES-BENZ SL (R107). TOOLS YOU'LL NEED:



- Wire brush
- Nylon cleaning brush
- WD-40 spray
- All-purpose cleaning spray
- Bearing grease
- Ceramic grease
- Torque wrench
- Combination spanner #19
- 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-BENZ SL (R107). Professionals recommend:

- Do not re-use the bearing assembly of your MERCEDES-BENZ SL (R107) 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-BENZ SL (R107). 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-BENZ SL (R107). 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:

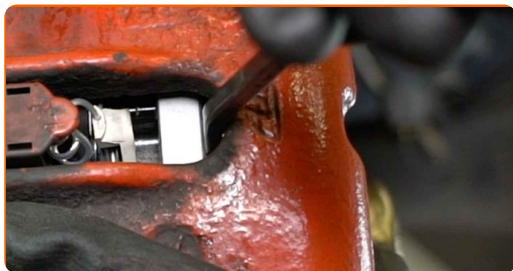
- To avoid injury, hold up the wheel when unscrewing the bolts.

7

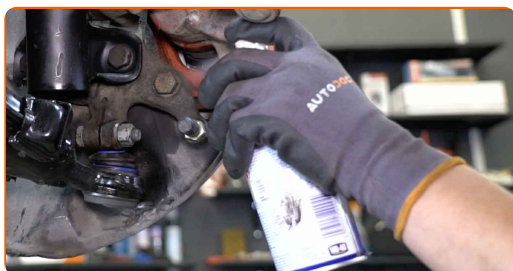
Remove the wheel.



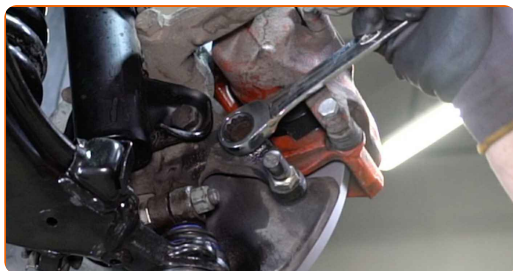
8 Spread the brake pads. Use a crowbar.



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



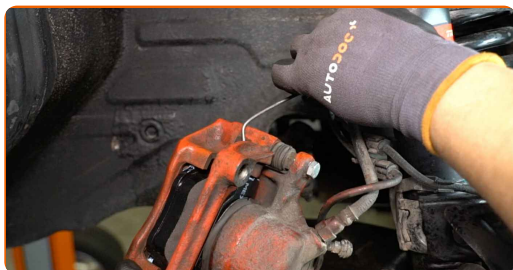
10 Unscrew the brake caliper bracket fasteners. Use a combination spanner #19.



11 Remove the fastening bolts.



12 Remove the brake caliper together with its bracket.

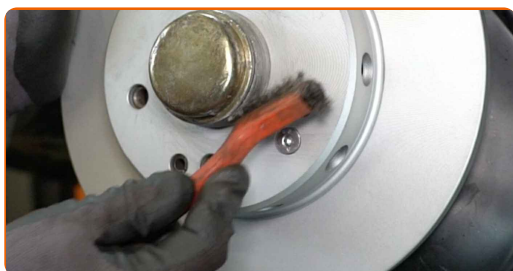


Replacement: wheel bearing – MERCEDES-BENZ SL (R107). AUTODOC experts recommend:

- 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.

13

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



14

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



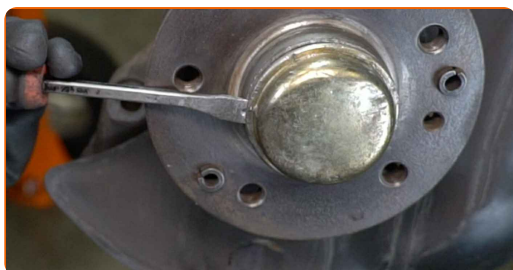
15 Remove the fastening bolt.



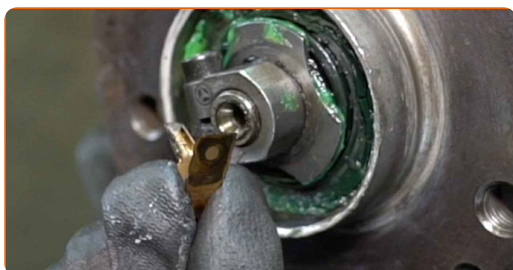
16 Remove the brake disc.



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



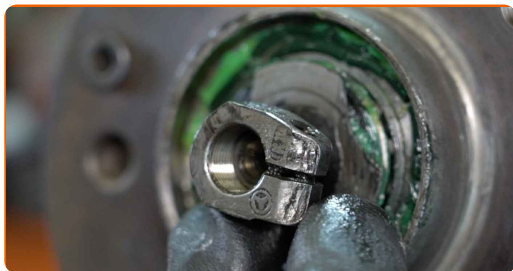
18 Remove the contact spring.



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



20 Unscrew the hub nut.



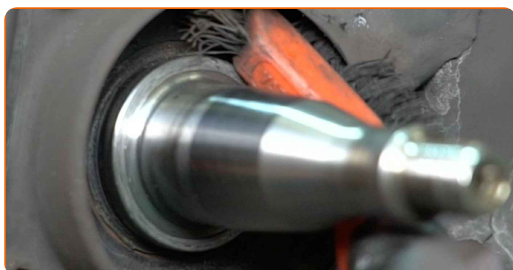
21 Remove the wheel hub together with the bearing.



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



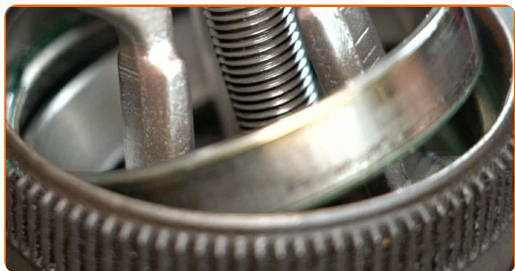
23 Clean the ABS sensor. Use a nylon cleaning brush. Use all-purpose cleaning spray.



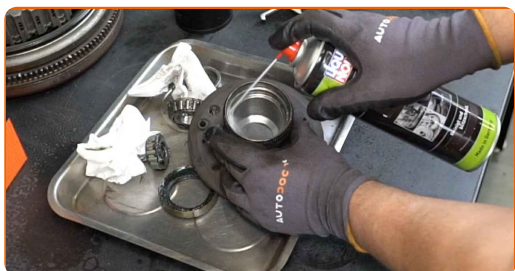
24 Remove elements of the bearings from the wheel hub. Use a bush and bearing driver set.



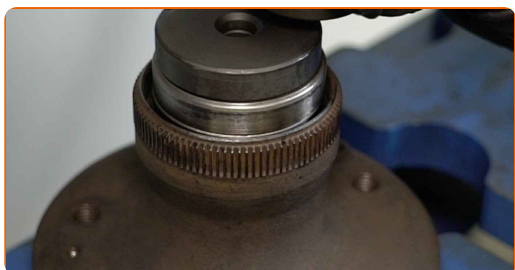
25 Dismantle the outer bearing races. Use a bush and bearing driver set. Use a universal puller.



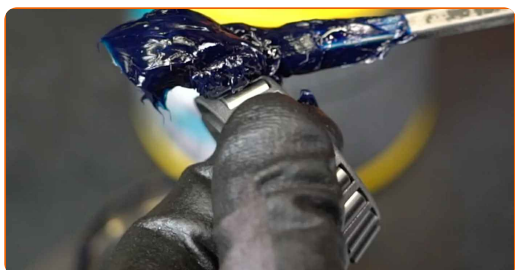
26 Clean the mounting seats of the wheel bearings. Use all-purpose cleaning spray.



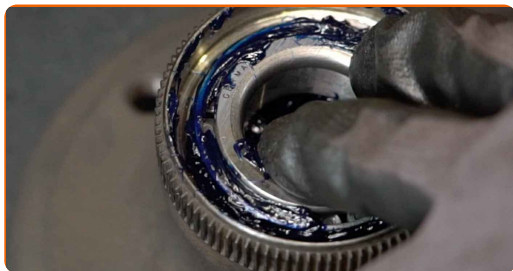
27 Install the outer rings of the new wheel bearings. Use a bush and bearing driver set.



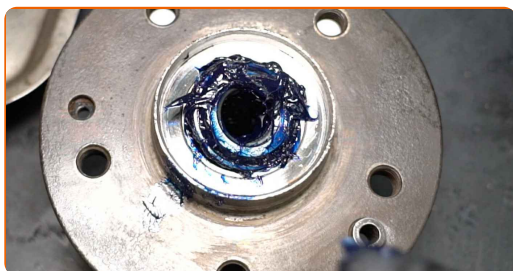
28 Treat the wheel bearings. Use bearing grease.



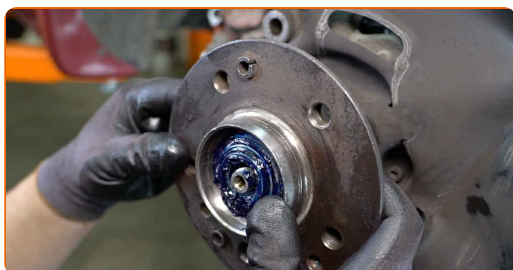
29 Reinstall the elements of the bearings in the wheel hub.



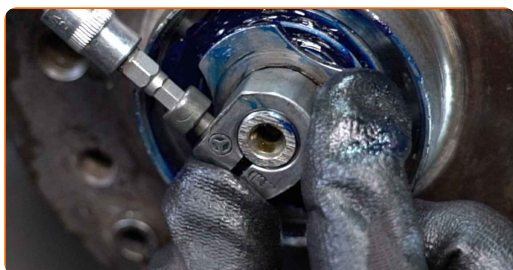
30 Install the wheel bearing oil seal. Use a bush and bearing driver set.



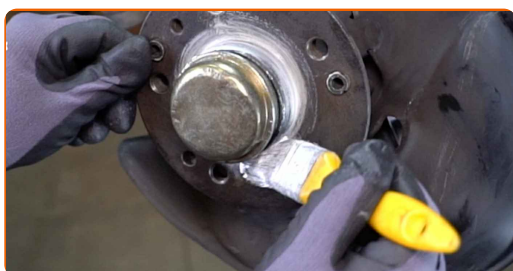
31 Reinstall the hub together with the new bearings.



32 Screw on the hub nut.



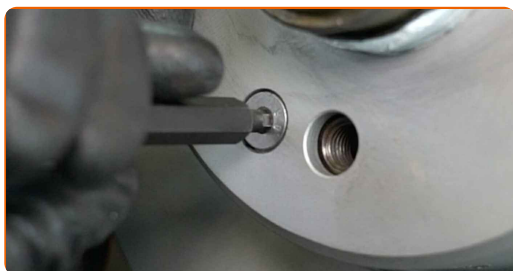
33 Treat the contacting surface. Use ceramic grease.



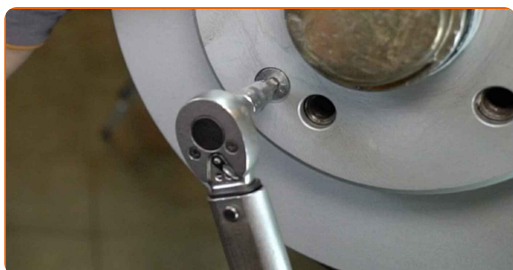
34 Install the brake disc.



35 Install the fastening bolt.



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



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



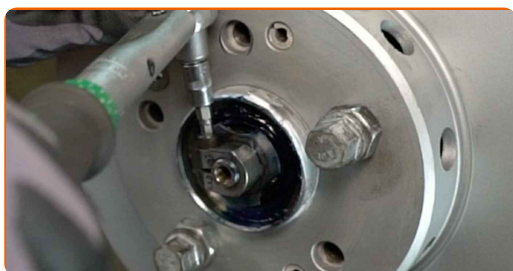
38 Adjust the axial clearance by tightening the adjusting nut. Use a combination spanner #22.



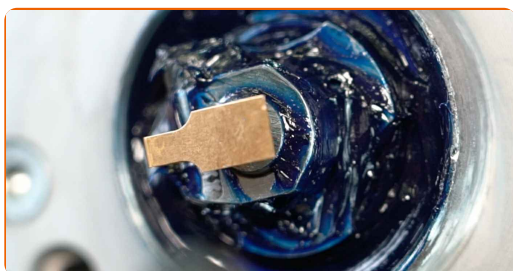
Replacement: wheel bearing – MERCEDES-BENZ SL (R107). Tip:

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

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



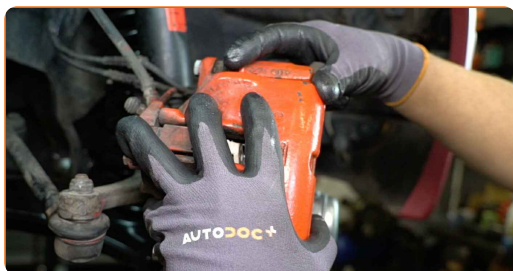
40 Install the contact spring.



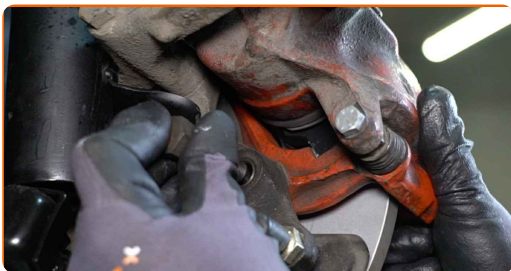
41 Install the hub bearing cap. Use a bush and bearing driver set.



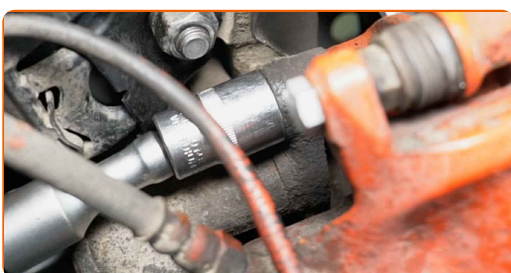
42 Install the brake caliper together with its bracket.



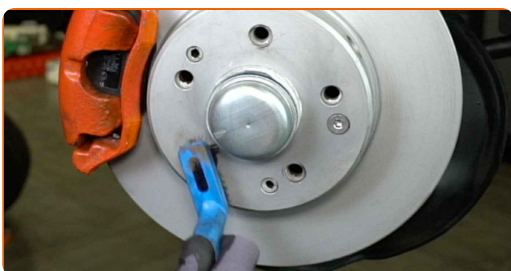
43 Install the fastening bolts.



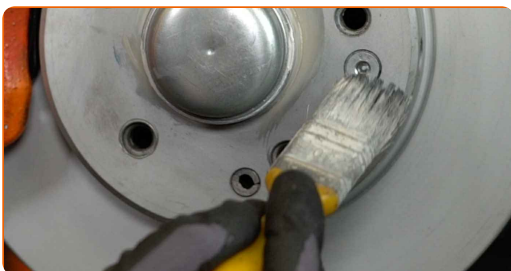
44 Tighten the brake caliper bracket fasteners. Use a drive socket #19. Use a torque wrench. Tighten it to 115 Nm torque.



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



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



47

Install the wheel.



AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. MERCEDES-BENZ SL (R107)

48

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



49

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.



50

Remove the jacks and chocks.



Replacement: wheel bearing – MERCEDES-BENZ SL (R107). Tip from AUTODOC experts:

- 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.

51

Tighten the brake fluid reservoir cap.



52

Close the bonnet.

WELL DONE! 

VIEW MORE TUTORIALS

AUTODOC – TOP QUALITY AND AFFORDABLE CAR PARTS ONLINE

AUTODOC MOBILE APP: GREAT DEALS AND CONVENIENT SHOPPING



+ AUTODOC

GET IT ON
Google Play

 Download on the
App Store

Download

A GREAT SELECTION OF SPARE PARTS FOR YOUR CAR

WHEEL BEARING: A WIDE SELECTION

DISCLAIMER:

The document contains only general recommendations that may be useful for you when you perform repair or replacement work. AUTODOC shall not be liable for any loss, injury, damage of property occurring in the repair or replacement process due to incorrect use or misinterpretation of the provided information.

AUTODOC shall not be liable for any possible mistakes and uncertainties in this guide. The information provided is for information purposes only and cannot replace advice from specialists.

AUTODOC shall not be liable for incorrect or hazardous usage of equipment, tools and car parts. AUTODOC strongly recommends to be careful and observe the safety rules when performing repair or replacement works. Remember: usage of low quality auto parts does not guarantee you the appropriate level of road safety.

© Copyright 2023 – All the contents of this website, in particular texts, photographs and graphics, are protected by copyright. All rights, including reproduction, publication, editing and translation rights, are reserved by AUTODOC SE.