



How to change rear
wheel bearing on **DS DS**
3 – 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:

DS DS 3 1.6 BlueHDi 100, DS DS 3 1.6 BlueHDi 75, DS DS 3 1.6 THP 208, DS DS 3 1.6 THP

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: PEUGEOT 207 Hatchback 1.6 16V VTi

REPLACEMENT: WHEEL BEARING – DS DS 3. LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- Nylon cleaning brush
- WD-40 spray
- All-purpose cleaning spray
- Brake cleaner
- Multipurpose grease
- Copper grease
- Torque wrench
- Combination spanner #19
- Drive socket # 13
- Drive socket # 36
- Torx bit T55
- Wheel impact socket #17
- Brake caliper wind back tool
- Ratchet wrench
- Tap wrench
- Hammer
- Flat chisel
- Rubber mallet
- Flat Screwdriver
- Crow bar
- Hub slide hammer puller
- Wheel chock

Buy tools

Replacement: wheel bearing – DS DS 3. AUTODOC recommends:

- Do not re-use the bearing assembly of your PEUGEOT 207 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 – DS DS 3. RECOMMENDED SEQUENCE OF STEPS:

1 Open the bonnet. Unscrew the brake fluid reservoir cap.

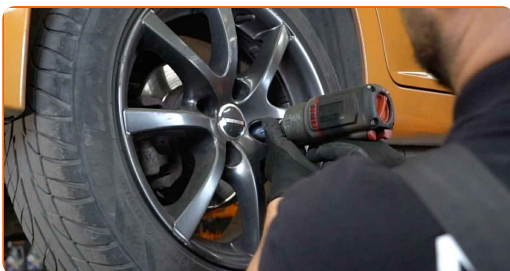
2 Secure the wheels with chocks.

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



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

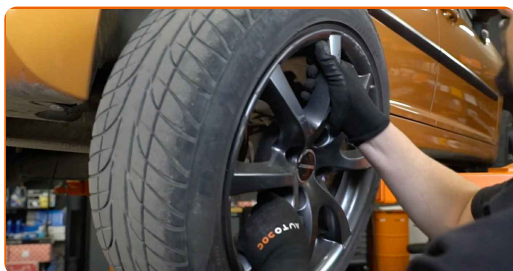
5 Unscrew the wheel bolts.



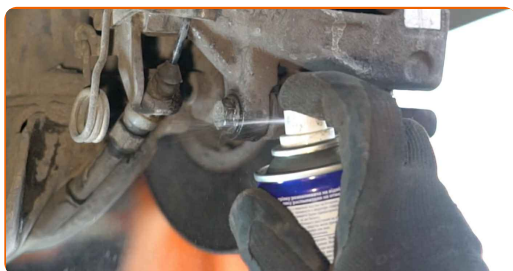
AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. DS DS 3

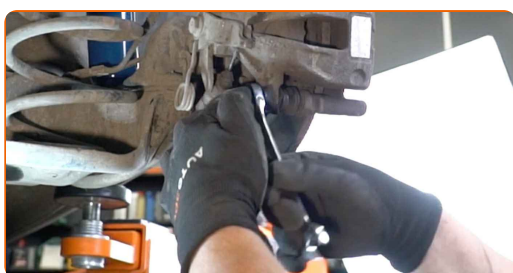
6 Remove the wheel.



7 Clean the brake caliper fasteners. Use a wire brush. Use all-purpose cleaning spray.



8 Unscrew the brake caliper fastening. Use a combination spanner #19. Use a drive socket #13. Use a ratchet wrench.



9 Spread the brake pads. Use a crowbar.

10

Remove the brake caliper.



Replacement: wheel bearing – DS DS 3. 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.
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

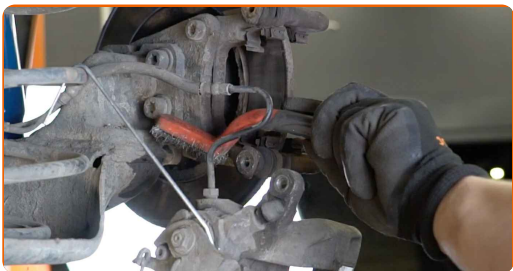
11

Remove the brake pads. Use a crowbar.

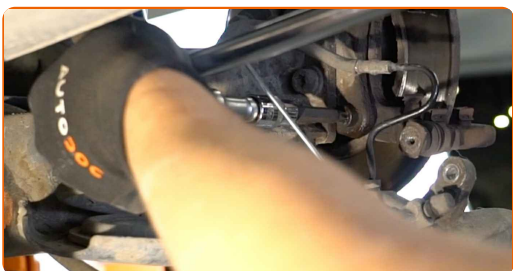


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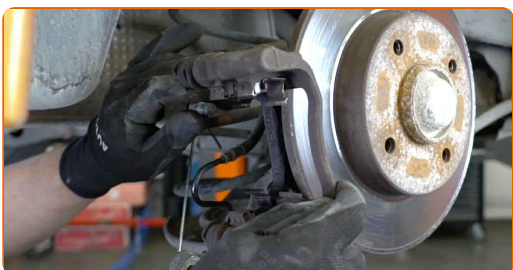
Clean the brake caliper bracket fasteners. Use a wire brush. Use WD-40 spray.

**13**

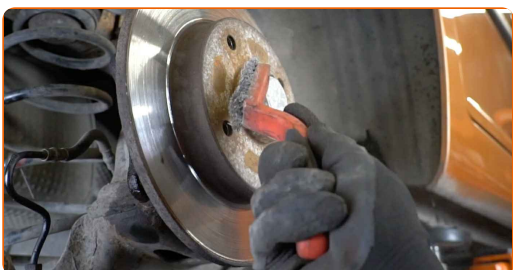
Unscrew the caliper bracket fastening. Use Torx T55. Use a tap wrench.

**14**

Remove the caliper bracket.

**15**

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



16 Remove the wheel hub nut cap. Use a crowbar. Use a rubber mallet.



Replacement: wheel bearing – DS DS 3. Tip from AUTODOC:

- In some cars, the wheel hub nut is not protected with a cap.

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



18 Unscrew the hub nut. Use a drive socket #36. Use a tap wrench.



19

Remove the brake disc assembled with the wheel hub bearing. Use the hub slide hammer puller.



20

Clean the stub axle. Use a wire brush. Use all-purpose cleaning spray.



21

Treat the stub axle. Use a multipurpose grease. Use a flat screwdriver.



22

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



AUTODOC recommends:

- Replacement: wheel bearing – DS DS 3. After applying the spray, wait a few minutes.

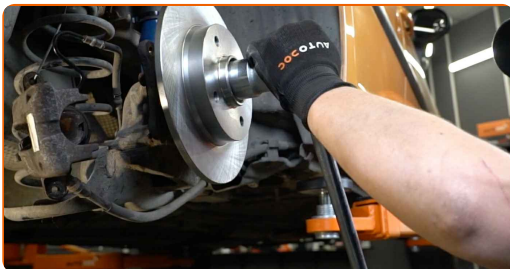
23

Install the brake disc assembled with the wheel hub bearing.



24

Tighten the wheel hub nut. Use a drive socket #36. Use a torque wrench. Tighten it to 270 nm torque.



Replacement: wheel bearing – DS DS 3. AUTODOC experts recommend:

- The wheel bearing unit must not tilt on the axle pin.
- During the installation process, use only new bolts and nuts.

25

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



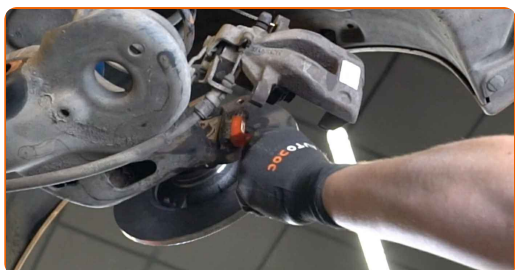
26

Install the cap of the hub nut. Use a rubber mallet.



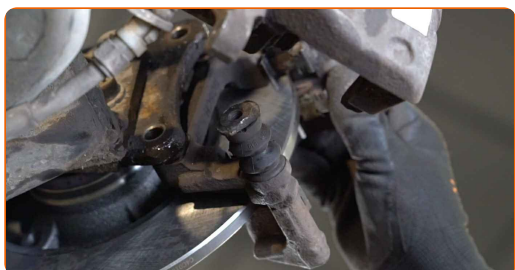
27

Clean the mounting seats of the caliper and its bracket. Use a wire brush. Use WD-40 spray.



28

Install the brake caliper bracket.



29

Tighten the brake caliper bracket. Use Torx T55. Use a torque wrench. Tighten it to 53 Nm torque.



30

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

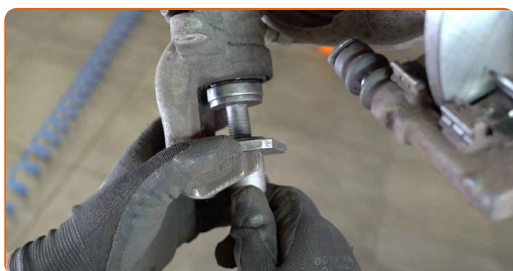


AUTODOC recommends:

- Replacement: wheel bearing – DS DS 3. After applying the spray, wait a few minutes.

31

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



32 Install the brake pads.



33 Install the brake caliper and fix it. Use a combination spanner #19. Use a drive socket #13. Use a torque wrench. Tighten it to 30 Nm torque.



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



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



AUTODOC recommends:

- Replacement: wheel bearing – DS DS 3. After applying the spray, wait a few minutes.

36 Install the wheel.



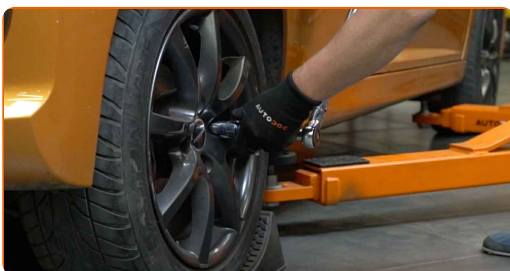
AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. DS DS 3

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 100 Nm torque.



39

Remove the jacks and chocks.



Replacement: wheel bearing – DS DS 3. AUTODOC experts recommend:

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

40

Tighten the brake fluid reservoir cap. Close the hood.

Replacement: wheel bearing – DS DS 3. AUTODOC experts recommend:

- Without starting the engine, press the brake pedal several times until you feel significant resistance.

WELL DONE! 

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WHEEL BEARING: A WIDE SELECTION

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