



How to change rear
wheel bearing on
CITROËN C5 III (RD_) –
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:

CITROËN C5 III (RD_) 1.6 VTi 120, CITROËN C5 III (RD_) 2.2 HDi 200, CITROËN C5 III (RD_) 1.8 16V, CITROËN C5 III (RD_) 2.0 16V, CITROËN C5 III (RD_) 3.0 V6, CITROËN C5 III (RD_) 1.6 HDi 110, CITROËN C5 III (RD_) 2.0 HDi (RDRHDA), CITROËN C5 III (RD_) 2.2 HDi (RD4HTH), CITROËN C5 III (RD_) 2.7 HDi, CITROËN C5 III (RD_) 2.0 16V BioFlex (RDRFJF), CITROËN C5 III (RD_) 2.0 HDi 140, CITROËN C5 III (RD_) 3.0 HDi 240 (RDX8CA), CITROËN C5 III (RD_) 1.6 THP 155, CITROËN C5 III (RD_) 2.0 HDi 165, CITROËN C5 III (RD_) 1.6 HDi 115, (+ 4)

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 407 Saloon 1.6 HDi 110 (6D9HZC, 6D9HYC)

REPLACEMENT: WHEEL BEARING – CITROËN C5 III (RD_). TOOLS YOU NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #13
- Combination spanner #15
- Drive socket # 41
- Torx bit T30
- Torx bit T55
- Wheel impact socket #19
- Ratchet wrench
- Torque wrench
- Flat chisel
- Hammer
- Rubber mallet
- Crow bar
- Wheel chock

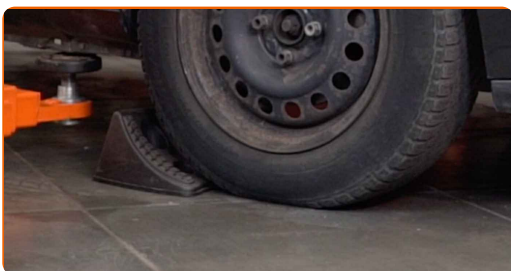
Buy tools

AUTODOC recommends:

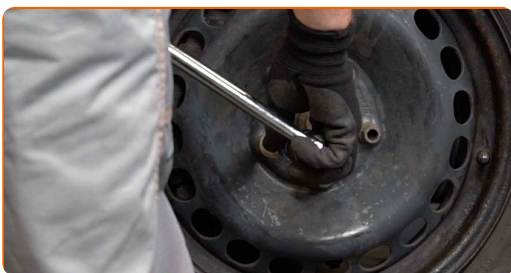
- Do not re-use the bearing assembly of your Peugeot 407 car.
- The wheel hub bearing replacement procedure is identical for both wheels on the same axle.
- Please note: all work on the car – CITROËN C5 III (RD_) – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Secure the wheels with chocks.



2 Loosen the wheel mounting bolts. Use wheel impact socket #19.



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

4

Unscrew the wheel bolts.

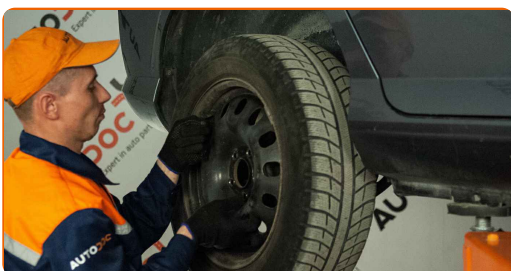


AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.
CITROËN C5 III (RD_)

5

Remove the wheel.

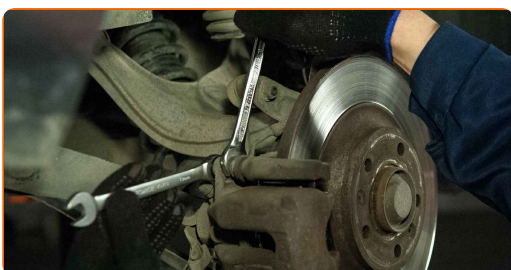


6

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

7

Unscrew the brake caliper fastening. Use a combination spanner #13. Use a combination spanner #15.



8

Spread the brake pads. Use a crowbar.



9

Remove the brake caliper.



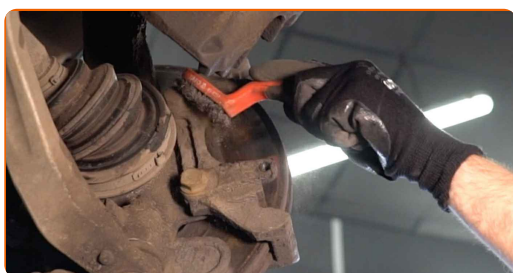
Replacement: wheel bearing – CITROËN C5 III (RD_). AUTODOC experts recommend:

- 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.
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

10 Remove the brake pads.



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



12 Unscrew the caliper bracket fastening. Use Torx T55. Use a ratchet wrench.

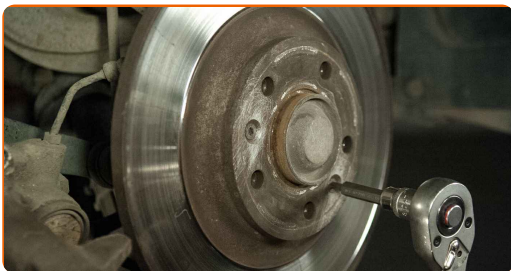


13 Remove the caliper bracket.



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

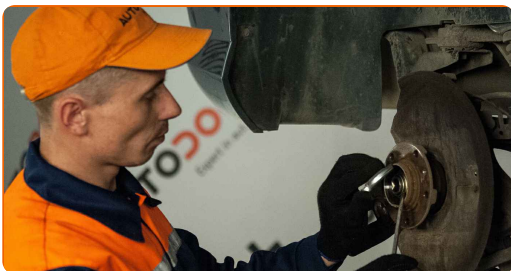
15 Unscrew the brake disc fastening. Use Torx T30. Use a ratchet wrench.



16 Remove the brake disc.



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



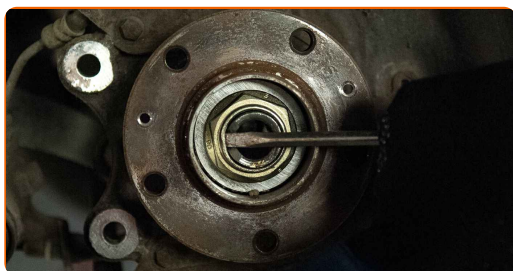
18 Unstake the wheel hub retaining nut. Use a flat metal-working chisel. Use a hammer.



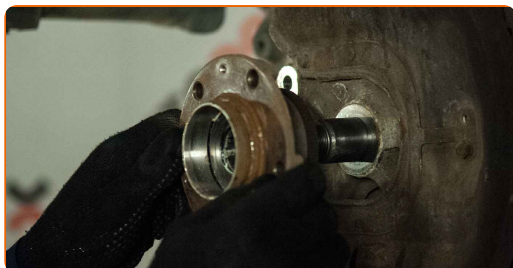
19 Unscrew the wheel hub axle nut. Use a drive socket #41. Use a ratchet wrench.



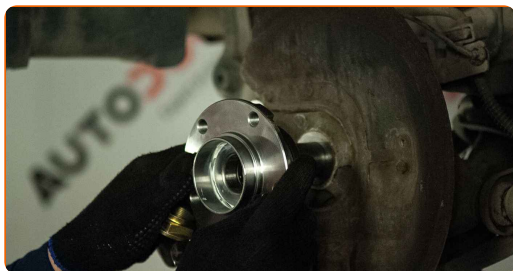
20 Remove the fastening nut.



21 Remove the hub and the bearing together, since they are a sealed unit.



22 Install the new wheel hub with a bearing. Use a rubber mallet.



23 Install the fastening nut.

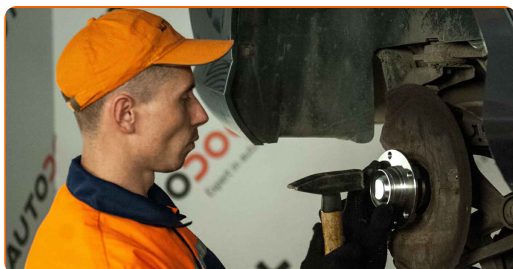


24 Tighten the hub. Use a drive socket #41. Use a torque wrench. Tighten it to 250 Nm torque.

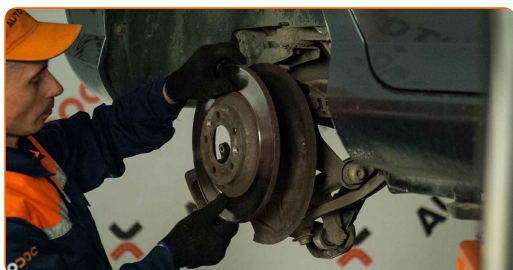


25 Restake the wheel hub retaining nut. Use a flat metal-working chisel. Use a hammer.

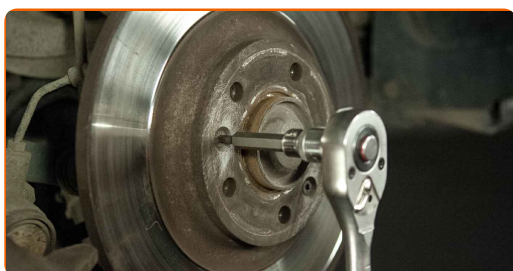
26 Install the hub bearing protection cap. Use a rubber mallet.



27 Install the brake disc.

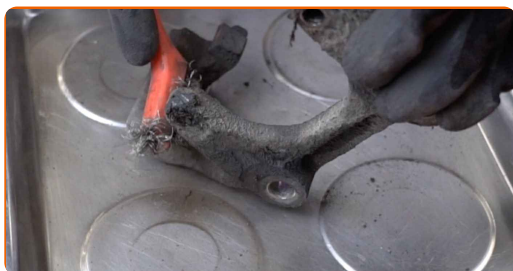


28 Tighten the brake disc fastening. Use Torx T30. Use a torque wrench. Tighten it to 9 Nm torque.



29

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

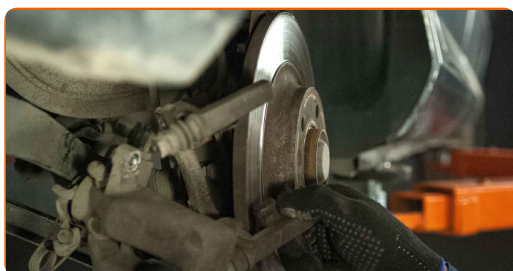


AUTODOC recommends:

- Replacement: wheel bearing – CITROËN C5 III (RD_). After applying the spray, wait a few minutes.

30

Install the brake caliper bracket.



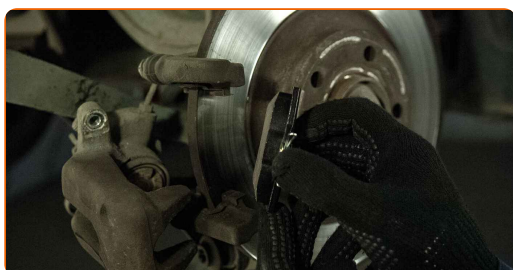
31

Tighten the brake caliper bracket. Use Torx T55. Use a torque wrench. Tighten it to 108 Nm torque.



32

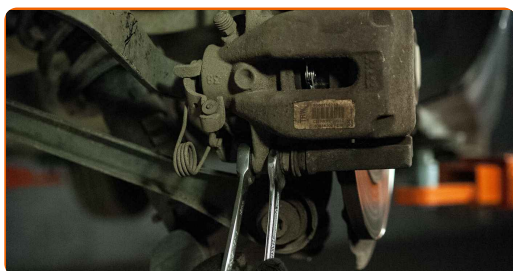
Install the brake pads.



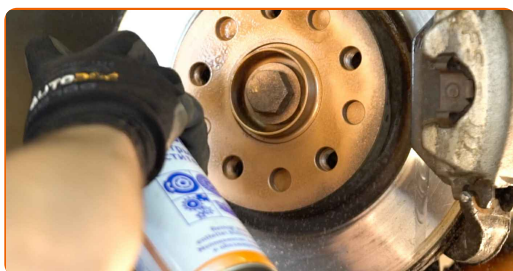
Replacement: wheel bearing – CITROËN C5 III (RD_). Tip from AUTODOC:

- If going to use the old brake pads, clean them.

- 33** Install the brake caliper and fix it. Use a combination spanner #13. Use a combination spanner #15. 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 – CITROËN C5 III (RD_). 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. CITROËN C5 III (RD_)

37 Screw in the wheel bolts. Use wheel impact socket #19.



38 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #19. Use a torque wrench. Tighten it to 100 nm torque.



39

Remove the jacks and chocks.



WELL DONE! 

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WHEEL BEARING: A WIDE SELECTION

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