



How to change rear  
brake discs on **CITROËN**  
**DS3** – 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 DS3 1.6 Racing, CITROËN DS3 1.6 THP 150, CITROËN DS3 1.4 HDi 70, CITROËN DS3 1.4 VTi 95, CITROËN DS3 1.6 VTi 120, CITROËN DS3 1.6 THP 155, CITROËN DS3 1.6 HDi 110, CITROËN DS3 1.6, CITROËN DS3 1.4 VTi 98, CITROËN DS3 1.2 VTi 82, CITROËN DS3 1.4 VTi 95 LPG, CITROËN DS3 1.6 HDi 115, CITROËN DS3 1.6 BlueHDi 120, CITROËN DS3 1.6 BlueHDi 100, CITROËN DS3 1.2 THP 110, (+ 2)

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: BRAKE DISCS – CITROËN DS3. TOOLS YOU MIGHT NEED:**



- Wire brush
- Nylon cleaning brush
- WD-40 spray
- All-purpose cleaning spray
- Brake cleaner
- 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
- Pliers
- Flat chisel
- Water pump pliers
- Rubber mallet
- Crow bar
- Hub slide hammer puller
- Wheel chock

**Buy tools**

**Replacement: brake discs – CITROËN DS3. Tip from AUTODOC:**

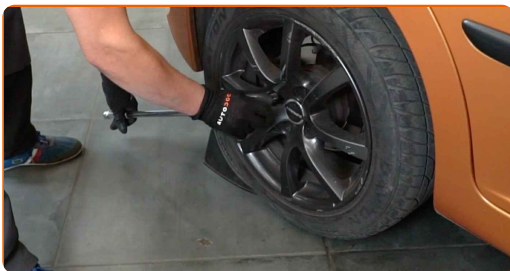
- Replace the brake disks on the car PEUGEOT 207 in complete set for each axis. Regardless of the state of components. This will ensure even braking.
- The replacement procedure is identical for both brake disks on the same axle.
- When changing the brake discs, always replace the brake pads.
- All work should be done with the engine stopped.

**REPLACEMENT: BRAKE DISCS – CITROËN DS3. 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.

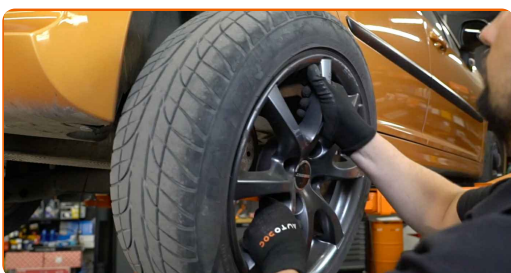
**5** Unscrew the wheel bolts.



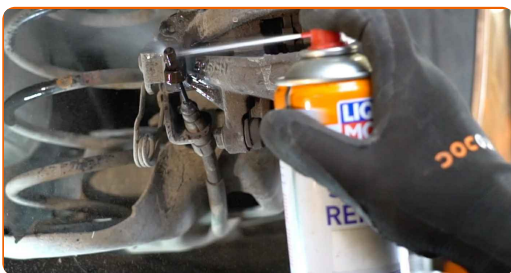
**AUTODOC recommends:**

- Important! Hold the wheel while unscrewing the fastening bolts. CITROËN DS3

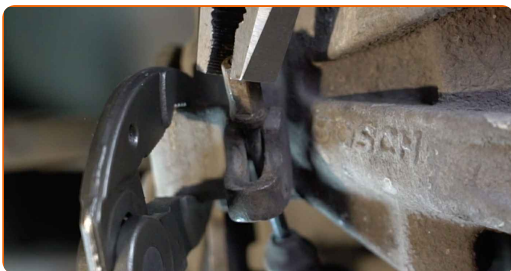
**6** Remove the wheel.



**7** Clean the fastener of the parking brake cable. Use a wire brush. Use WD-40 spray.



**8** Release the parking brake cable. Use water pump pliers. Use pliers. Use a crowbar.



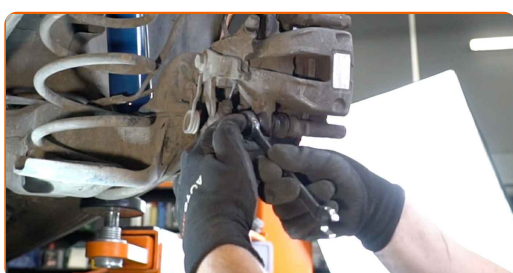
9

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



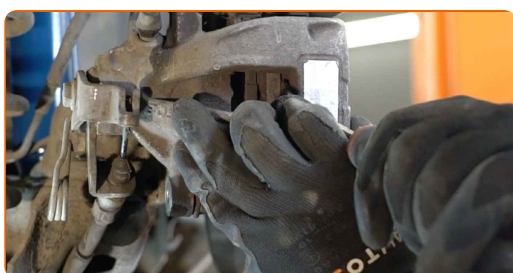
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Unscrew the brake caliper fastening. Use a combination spanner #19. Use a drive socket #13. Use a ratchet wrench.



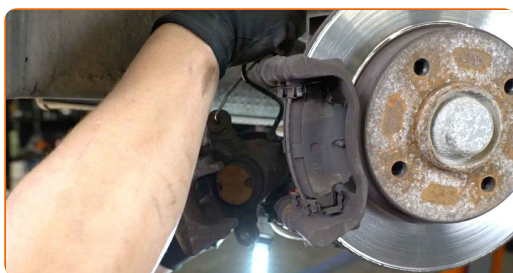
11

Spread the brake pads. Use a crowbar.



12

Remove the brake caliper.



Replacement: brake discs – CITROËN DS3. 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.

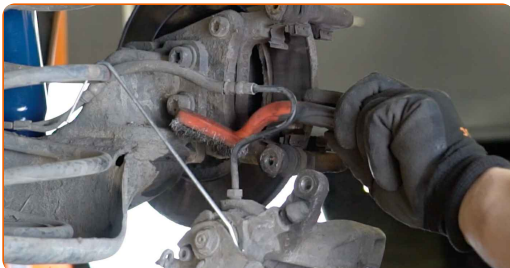
13

Remove the brake pads. Use a crowbar.



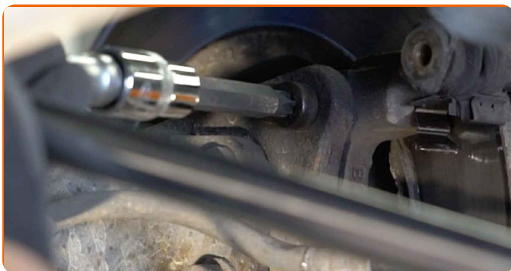
14

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

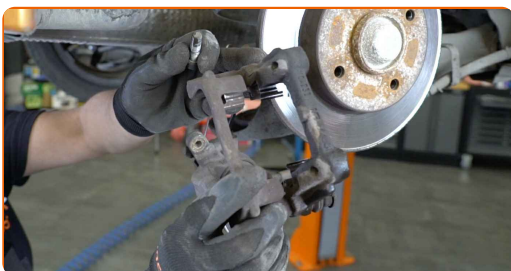




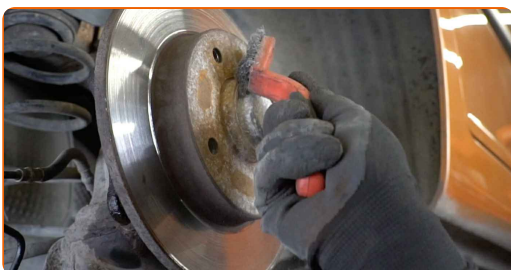
**15** Unscrew the caliper bracket fastening. Use Torx T55. Use a tap wrench.



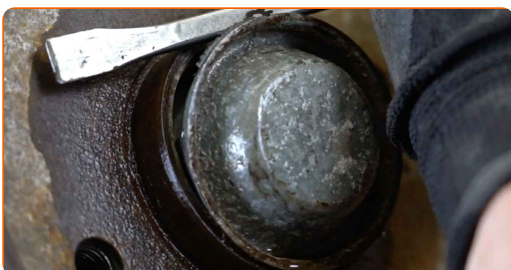
**16** Remove the caliper bracket.



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



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



**AUTODOC recommends:**

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



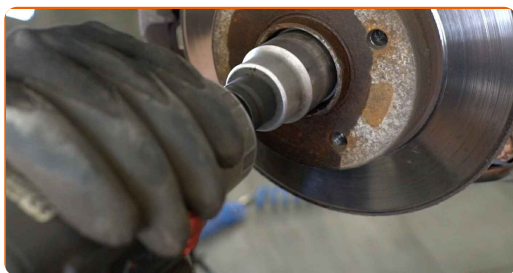
19

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



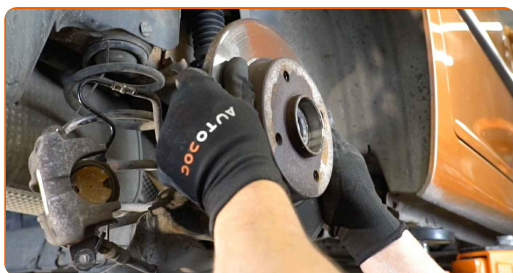
20

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



21

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



22

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



23

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



**AUTODOC recommends:**

- Replacement: brake discs – CITROËN DS3. After applying the spray, wait a few minutes.

24

Install the brake disc assembled with the wheel hub bearing.



25

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



Replacement: brake discs – CITROËN DS3. Tip from AUTODOC experts:

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

26

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



27

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



28

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



29

Install the brake caliper bracket.



30

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



31

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



**AUTODOC recommends:**

- Replacement: brake discs – CITROËN DS3. After applying the spray, wait a few minutes.

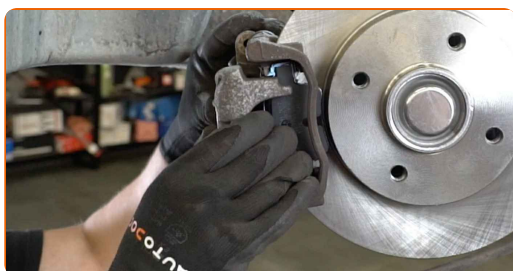
**32** Press in the brake caliper piston. Use brake caliper wind back tool.



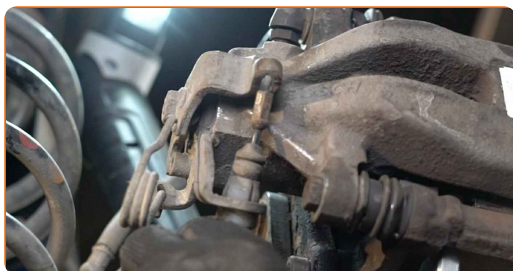
**33** Install the brake pads.



**34** 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.



**35** Install the parking brake cable into the brake caliper bracket. Use water pump pliers. Use pliers.



36

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



37

Clean the brake disk surface. Use a brake cleaner.



### AUTODOC recommends:

- Replacement: brake discs – CITROËN DS3. After applying the spray, wait a few minutes.

38

Install the wheel.



### AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. CITROËN DS3



**39** Screw in the wheel bolts. Use wheel impact socket #17.



**40** 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.



**41** Remove the jacks and chocks.



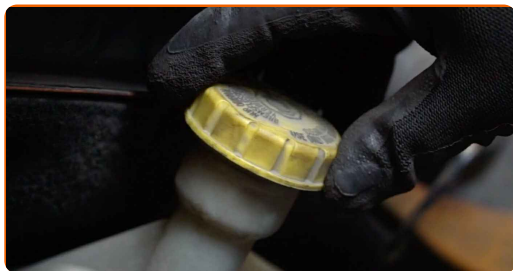
Replacement: brake discs – CITROËN DS3. Tip from AUTODOC experts:

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



42

Tighten the brake fluid reservoir cap.



43

Close the hood.

Replacement: brake discs – CITROËN DS3. AUTODOC experts recommend:

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

**WELL DONE!** 

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**BRAKE DISCS: A WIDE SELECTION**

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