



How to change rear
wheel bearing on **FIAT**
500e – 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:
FIAT 500e Elektro 3+1 (FA1), FIAT 500e Elektro (FA1)

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: FIAT BRAVO II (198) 1.6 D Multijet

REPLACEMENT: WHEEL BEARING – FIAT 500E. LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- All-purpose cleaning spray
- Copper grease
- Drive socket # 12
- Drive socket # 13
- Drive socket # 17
- Drive socket # 32
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Tap wrench
- Hammer
- Rubber mallet
- Crow bar
- Wheel chock

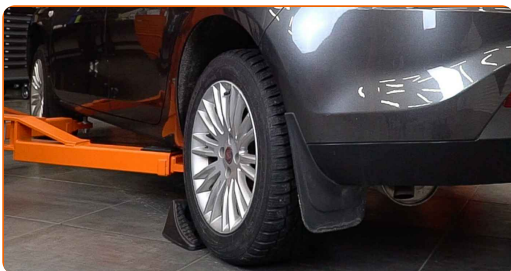
Buy tools

Replacement: wheel bearing – FIAT 500e. AUTODOC experts recommend:

- Do not re-use the bearing assembly of your FIAT 500e 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 – FIAT 500E. USE THE FOLLOWING PROCEDURE:

1 Secure the wheels with chocks.



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



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.
FIAT 500e

5

Remove the wheel.



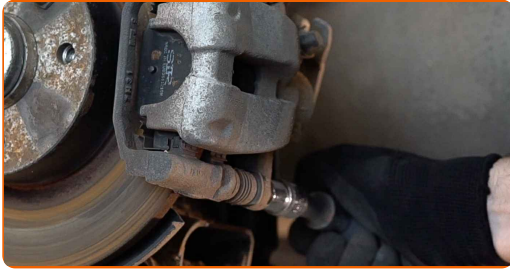
6

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



7

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



8

Remove the brake caliper. Use a crowbar.



Replacement: wheel bearing – FIAT 500e. 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.

9

Remove the brake pads.

**10**

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

**11**

Unscrew the caliper bracket fastening. Use a drive socket #17. Use a tap wrench.

**12**

Remove the caliper bracket.



13

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



14

Unscrew the brake disc fastening. Use a drive socket #12. Use a ratchet wrench.



15

Remove the brake disc. Use a rubber mallet.



16

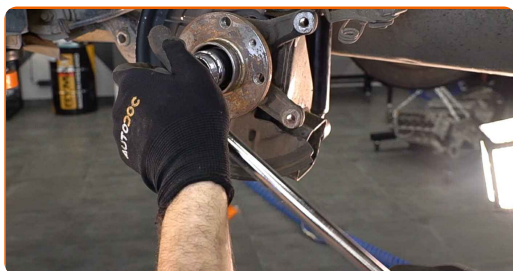
Remove the hub bearing protection cap. Use a crowbar. Use a hammer.



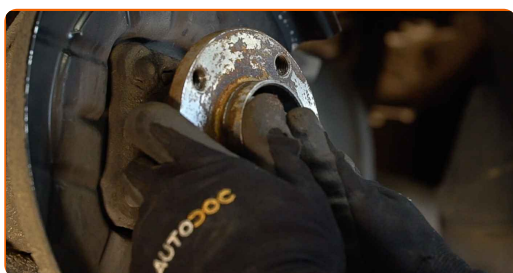
Replacement: wheel bearing – FIAT 500e. Tip from AUTODOC experts:

- Some cars are not equipped with wheel hub caps.

17 Unscrew the wheel hub axle nut. Use a drive socket #32. Use a tap wrench.



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



19 Clean the hub bearing mounting seat. Use all-purpose cleaning spray.



20 Install the new wheel hub with a bearing.



21

Tighten the hub. Use a drive socket #32. Use a torque wrench. Tighten it to 224 Nm torque.

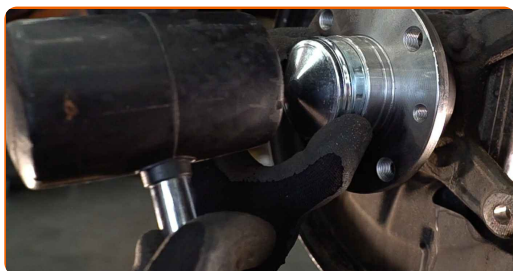


Replacement: wheel bearing – FIAT 500e. Tip:

- The wheel bearing unit must not tilt on the axle pin.

22

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



23

Treat the hub where it contacts the brake disk. Use copper grease.



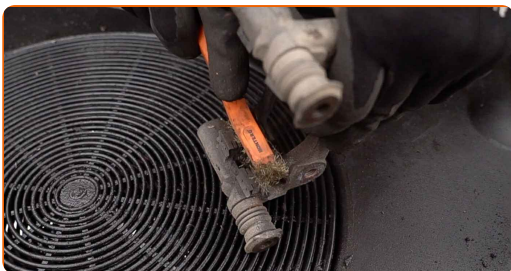
24 Install the brake disc.



25 Tighten the brake disc fastening. Use a drive socket #12. Use a torque wrench. Tighten it to 10 Nm torque.



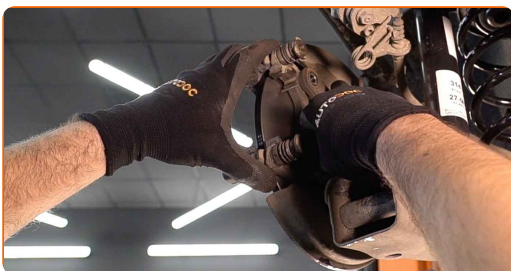
26 Clean the brake caliper bracket from dirt and dust. Use a wire brush. Use a brake cleaner.



AUTODOC recommends:

- Replacement: wheel bearing – FIAT 500e. After applying the spray, wait a few minutes.

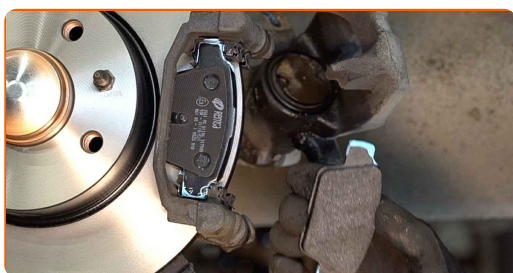
27 Install the brake caliper bracket.



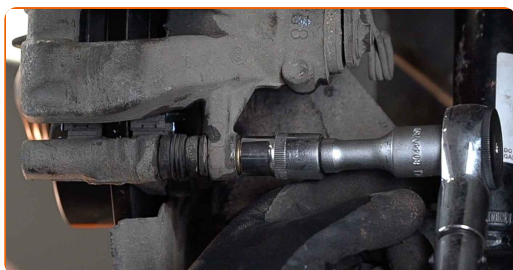
28 Tighten the brake caliper bracket. Use a drive socket #17. Use a torque wrench. Tighten it to 62 Nm torque.



29 Install the brake pads.



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



31 Clean the brake disk surface. Use a wire brush.

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



33

Clean the brake disk surface. Use a brake cleaner.



Replacement: wheel bearing – FIAT 500e. Tip from AUTODOC experts:

- After applying the spray, wait a few minutes.

34

Install the wheel.

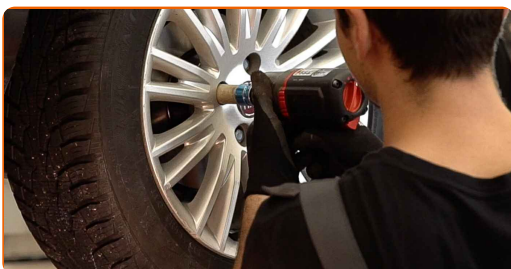


AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. FIAT 500e

35

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



36

Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 120 Nm torque.

**37**

Remove the jacks and chocks.



WELL DONE! 

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WHEEL BEARING: A WIDE SELECTION

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