



How to change front  
wheel bearing on **FIAT**  
**Doblo Cargo (223\_)** –  
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 Doblo Cargo (223\_) 1.3 JTD 16V Multijet, FIAT Doblo Cargo (223\_) 1.9 JTD Multijet, FIAT Doblo Cargo (223\_) 1.2, FIAT Doblo Cargo (223\_) 1.9 D, FIAT Doblo Cargo (223\_) 1.6 16V, FIAT Doblo Cargo (223\_) 1.9 JTD, FIAT Doblo Cargo (223\_) 1.3 JTD 16V, FIAT Doblo Cargo (223\_) 1.4, FIAT Doblo Cargo (223\_) 1.6 Natural Power, FIAT Doblo Cargo (223\_) 1.3 D Multijet

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 PUNTO (188) 1.3 JTD 16V

REPLACEMENT: WHEEL BEARING – FIAT DOBLO CARGO (223\_). TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Copper grease
- Combination spanner №13
- Combination spanner №16
- Drive socket # 10
- Drive socket # 12
- Drive socket # 13
- Drive socket # 17
- Drive socket # 36
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Flat screwdriver
- Tap wrench
- Hammer
- Flat chisel
- Bush and bearing driver set
- Ball joint puller
- Crow bar
- Wheel chock

**Buy tools**

Replacement: wheel bearing – FIAT Doblo Cargo (223\_). AUTODOC recommends:

- Do not re-use the bearing assembly of your FIAT Doblo Cargo (223\_) 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 DOBLO CARGO (223\_).  
RECOMMENDED SEQUENCE OF STEPS:**

- 1 Secure the wheels with chocks.
- 2 Loosen the wheel mounting bolts. Use wheel impact socket #17.
- 3 Raise the front of the car and secure on supports.
- 4 Unscrew the wheel bolts.



AUTODOC recommends:

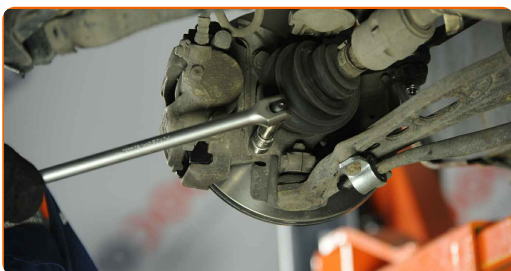
- Important! Hold the wheel while unscrewing the fastening bolts. FIAT Doblo Cargo (223\_)

**5**

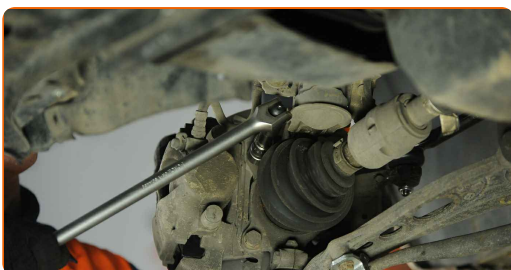
Remove the wheel.

**6.1**

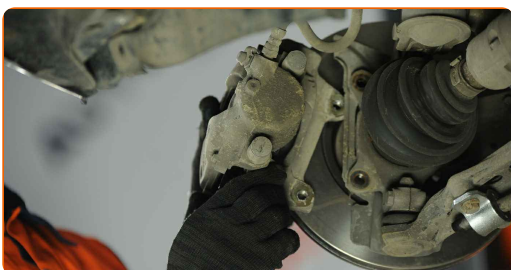
Unscrew the brake caliper bracket fasteners.

**6.2**

Use a drive socket #17. Use a ratchet wrench. Use a tap wrench.

**7**

Remove the brake caliper together with its bracket.



Replacement: wheel bearing – FIAT Doblo Cargo (223\_). Professionals 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.

8

Disconnect the brake hose holder from the shock absorber strut. Use a flat screwdriver.



9

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



**10** Remove the brake disc.

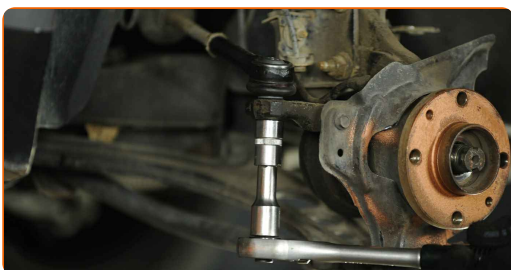


**11** Unstake the wheel hub retaining nut. Use a flat metal-working chisel. Use a hammer.

**12** Unscrew the wheel hub fastening nut. Use a drive socket #36.



**13** Unscrew the end fastening nut to the steering knuckle. Use a drive socket #17. Use a ratchet wrench.



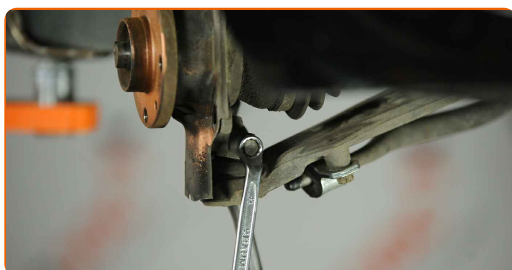
**14** Disconnect the tie rod end from the steering knuckle. Use a ball joint puller.



- 15 Unscrew the lower fastener of the shock absorber strut. Use a combination spanner #17. Use a drive socket #17. Use a ratchet wrench.



- 16 Unscrew the ball joint fastening to the steering knuckle. Use a combination spanner #13. Use a drive socket #13. Use a ratchet wrench.



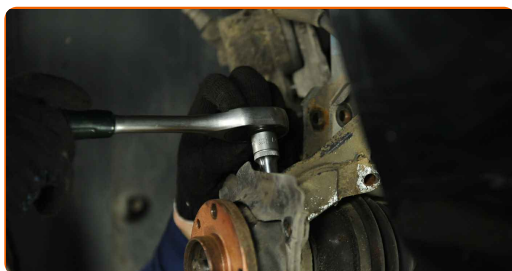
- 17 Remove the fastening bolts. Use a hammer.

- 18 Disconnect the ball joint from the steering knuckle.

- 19 Remove the drive shaft from the wheel hub.

- 20 Unscrew the ABS sensor fastening from the steering knuckle. Use a drive socket #10. Use a ratchet wrench.

- 21 Remove the ABS sensor from the steering knuckle.



- 22 Release the fastener connecting the ball joint to the steering knuckle. Use a flat metal-working chisel. Use a hammer.



**23** Remove the steering knuckle together with the hub.



**24** Press the wheel hub out from the tapered roller bearing. Use a hammer.

**25** Remove the retaining ring from the steering knuckle. Use a flat screwdriver.



**26** Press out the wheel hub bearing.



**27** Press the new bearing in the steering knuckle.



**28** Install the retaining ring in the steering knuckle. Use a flat screwdriver.



**29** Press the wheel hub into the bearing inner race.

**30** Install the steering knuckle with a hub in assembly.

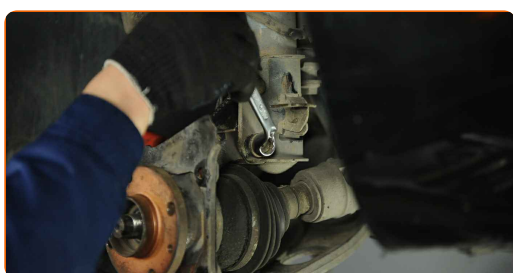


**31** Install the fastening bolts.

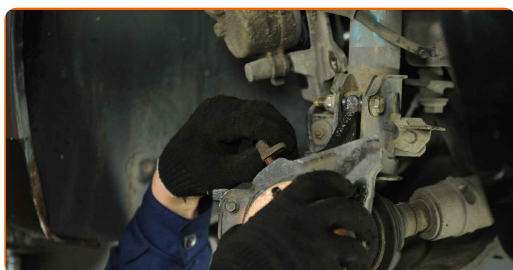
**32** Use a crowbar. Install the drive shaft into the wheel hub.



**33** Tighten the lower fasteners connecting the shock strut to the steering knuckle. Use a combination spanner #17. Use a drive socket #17. Use a torque wrench. Tighten it to 75 Nm torque.



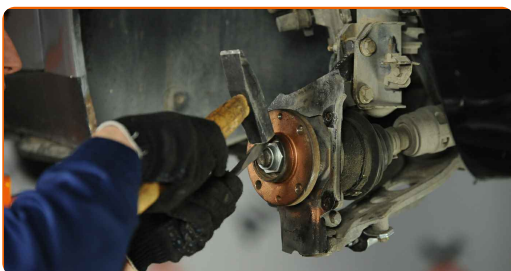
**34** Install the ABS sensor on the steering knuckle and secure it. Use a drive socket #10.



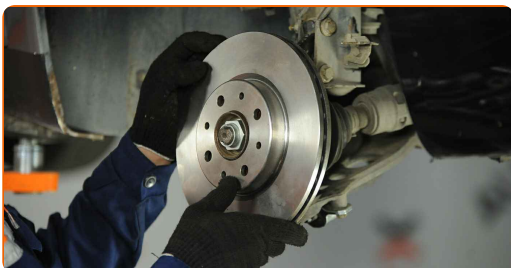
**35** Screw the hub nut. Use a drive socket #36. Use a tap wrench.



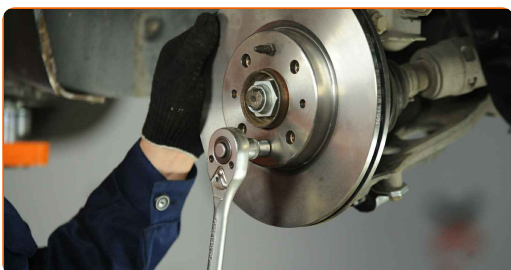
**36** Restake the wheel hub retaining nut. Use a pin punch. Use a hammer.



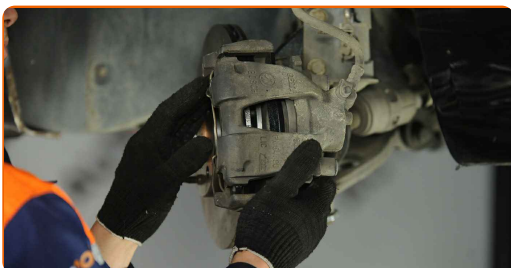
**37** Install the brake disc and secure it. Use a drive socket #12.



**38** Use a ratchet wrench.



**39.1** Install the brake caliper together with its bracket.



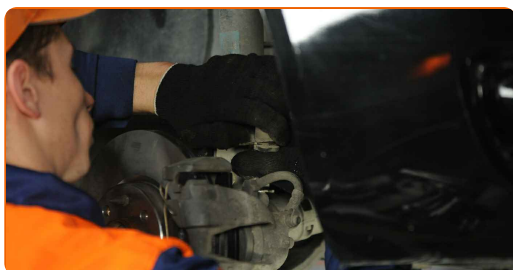
**39.2** Tighten the brake caliper bracket fasteners. Use a drive socket #12.



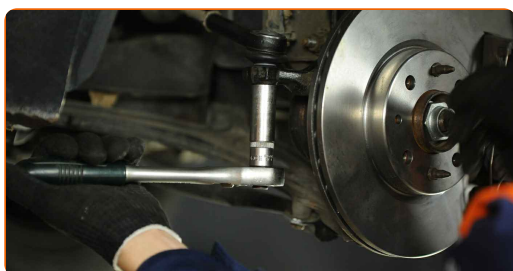
**39.3** Use a torque wrench. Observe the recommended tightening torque.



**40** Connect the brake hose fastener to the shock absorber strut.



**41** Connect the tie rod end to the steering knuckle and tighten it. Use a drive socket #17. Use a torque wrench. Tighten it to 40 Nm torque.



**42** Clean the wheel rim mounting seat. Use a wire brush. Treat the contacting surface. Use copper grease.

**43** Install the wheel.



Replacement: wheel bearing – FIAT Doblo Cargo (223\_). Tip from AUTODOC:

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

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



**45** Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 98 nm torque.

**46** Remove the jacks and chocks.

**WELL DONE!** 

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