



How to change front  
wheel bearing on **FIAT**  
**MULTIPLA (186)** –  
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 MULTIPLA (186) 1.6 100 16V, FIAT MULTIPLA (186) 1.9 JTD 105, FIAT MULTIPLA (186) 1.6 16V Blupower, FIAT MULTIPLA (186) 1.6 16V Bipower, FIAT MULTIPLA (186) 1.9 JTD 110, FIAT MULTIPLA (186) 1.9 JTD 115, FIAT MULTIPLA (186) 1.6 16V, FIAT MULTIPLA (186) 1.9 JTD, FIAT MULTIPLA (186) 1.6

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 MULTIPLA (186). 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 MULTIPLA (186). AUTODOC recommends:

- Do not re-use the bearing assembly of your FIAT MULTIPLA (186) 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 MULTIPLA (186). 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 MULTIPLA (186)

**5**

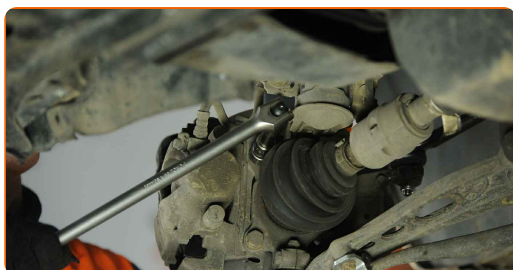
Remove the wheel.

**6.1**

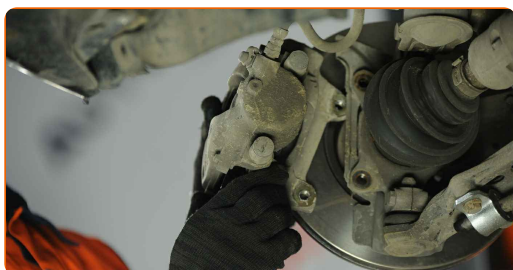
Unscrew the brake caliper bracket fasteners.

**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 MULTIPLA (186). 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.

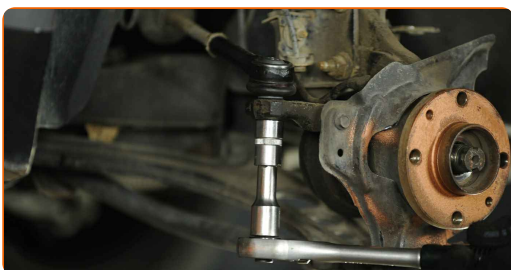


**11** Unstake the wheel hub retaining nut. Use a flat metal-working chisel. Use a hammer.

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



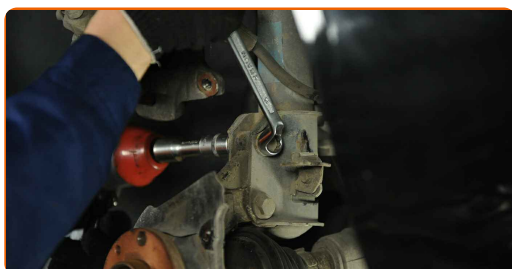
**13** Unscrew the end fastening nut to the steering knuckle. Use a drive socket #17. Use a ratchet wrench.



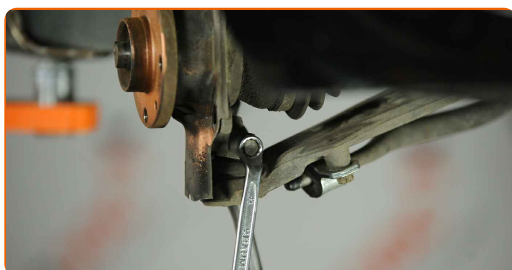
**14** Disconnect the tie rod end from the steering knuckle. Use a ball joint puller.



- 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.

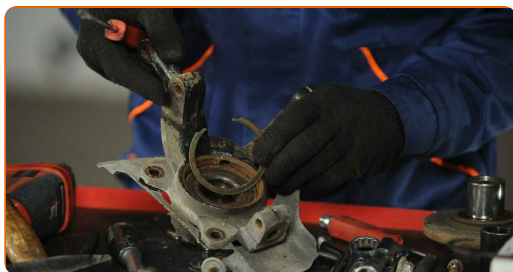


**23** Remove the steering knuckle together with the hub.

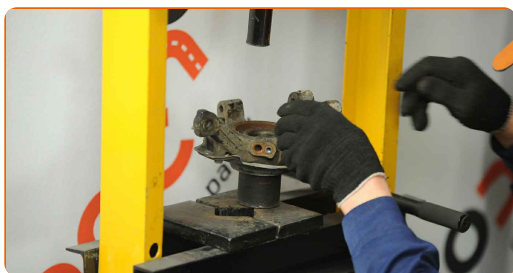


**24** Press the wheel hub out from the tapered roller bearing. Use a hammer.

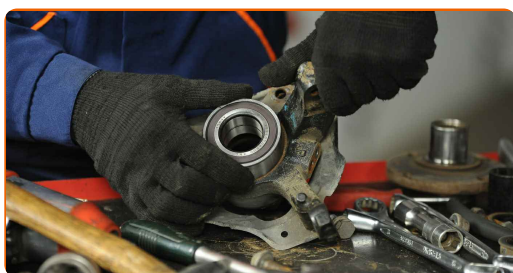
**25** Remove the retaining ring from the steering knuckle. Use a flat screwdriver.



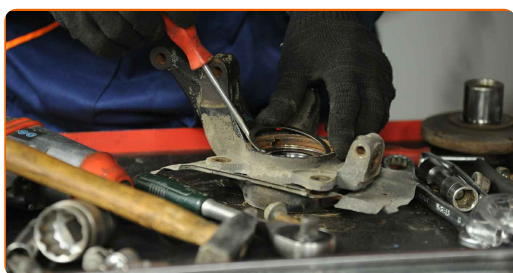
**26** Press out the wheel hub bearing.



**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.

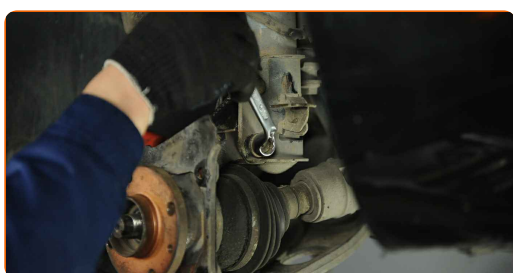


**31** Install the fastening bolts.

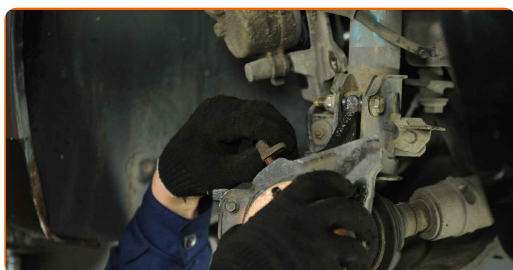
**32** Use a crowbar. Install the drive shaft into the wheel hub.



**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.



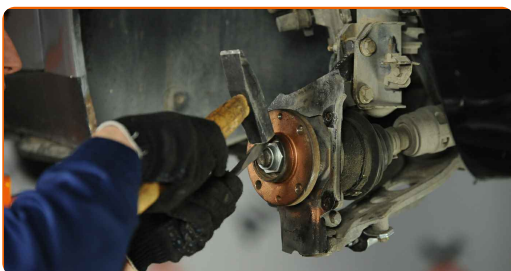
**34** Install the ABS sensor on the steering knuckle and secure it. Use a drive socket #10.



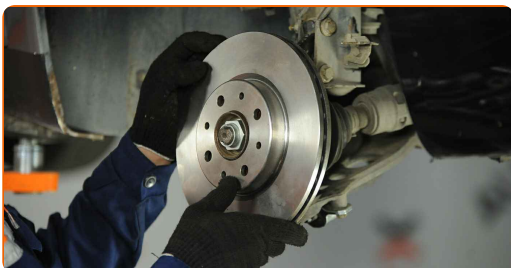
**35** Screw the hub nut. Use a drive socket #36. Use a tap wrench.



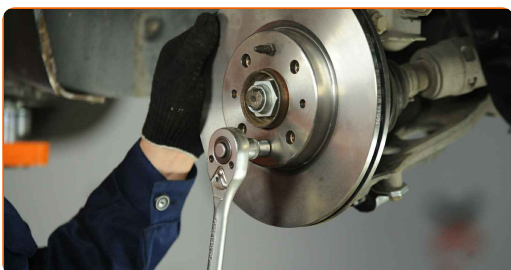
**36** Restake the wheel hub retaining nut. Use a pin punch. Use a hammer.



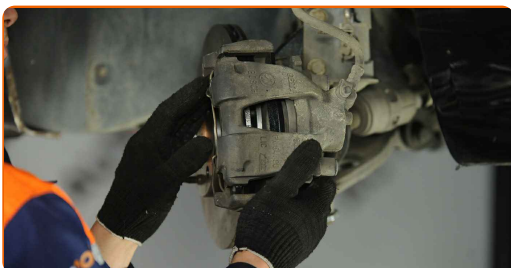
**37** Install the brake disc and secure it. Use a drive socket #12.



**38** Use a ratchet wrench.



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



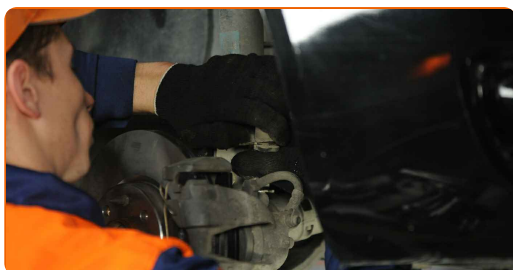
**39.2** Tighten the brake caliper bracket fasteners. Use a drive socket #12.



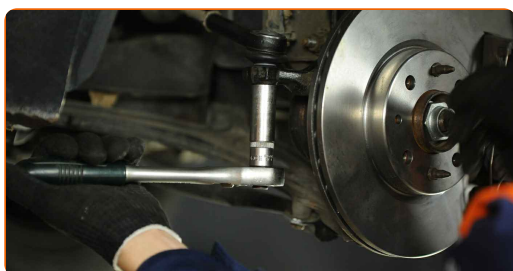
**39.3** Use a torque wrench. Observe the recommended tightening torque.



**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 MULTIPLA (186). 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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