



How to change rear  
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, FIAT MULTIPLA (186) 1.6 16V GPL

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 MULTIPLA (186). 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 MULTIPLA (186). AUTODOC experts recommend:

- 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). 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 MULTIPLA (186)

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 MULTIPLA (186). 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 MULTIPLA (186). Tip from AUTODOC experts:

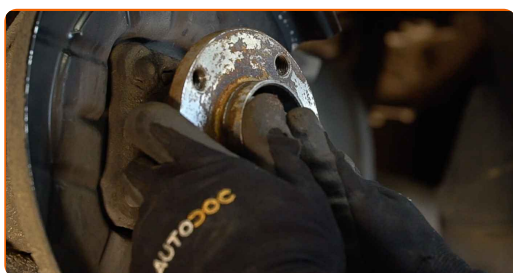
- Some cars are not equipped with wheel hub caps.



**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 MULTIPLA (186). 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.



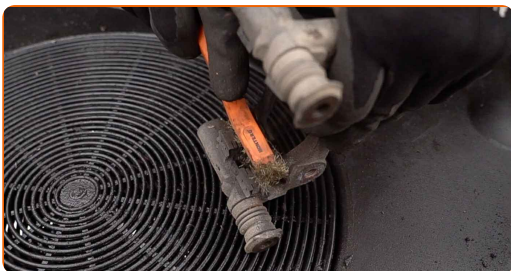
**24** Install the brake disc.



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



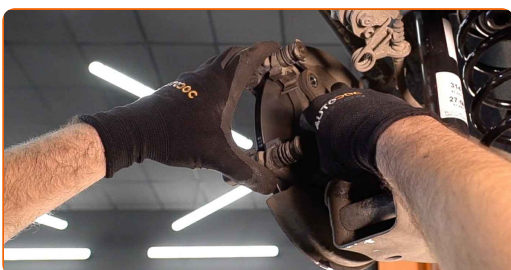
**26** Clean the brake caliper bracket from dirt and dust. Use a wire brush. Use a brake cleaner.



**AUTODOC recommends:**

- Replacement: wheel bearing – FIAT MULTIPLA (186). After applying the spray, wait a few minutes.

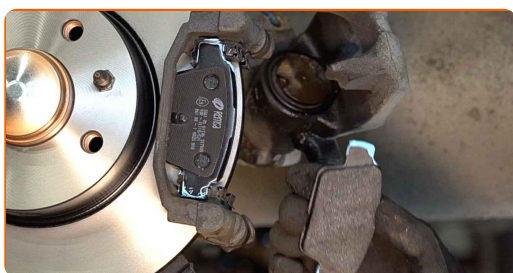
**27** Install the brake caliper bracket.



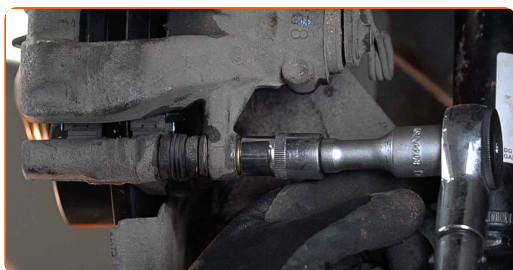
**28** Tighten the brake caliper bracket. Use a drive socket #17. Use a torque wrench. Tighten it to 62 Nm torque.



**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 MULTIPLA (186). 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 MULTIPLA (186)

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!** 

**VIEW MORE TUTORIALS**

# AUTODOC – TOP QUALITY AND AFFORDABLE CAR PARTS ONLINE

**AUTODOC MOBILE APP: GREAT DEALS AND CONVENIENT SHOPPING**



**+ AUTODOC**

GET IT ON  
**Google Play**

 Download on the  
**App Store**

**Download**

**A GREAT SELECTION OF SPARE PARTS FOR YOUR CAR**

**WHEEL BEARING: A WIDE SELECTION**

## **DISCLAIMER:**

The document contains only general recommendations that may be useful for you when you perform repair or replacement work. AUTODOC shall not be liable for any loss, injury, damage of property occurring in the repair or replacement process due to incorrect use or misinterpretation of the provided information.

AUTODOC shall not be liable for any possible mistakes and uncertainties in this guide. The information provided is for information purposes only and cannot replace advice from specialists.

AUTODOC shall not be liable for incorrect or hazardous usage of equipment, tools and car parts. AUTODOC strongly recommends to be careful and observe the safety rules when performing repair or replacement works. Remember: usage of low quality auto parts does not guarantee you the appropriate level of road safety.

© Copyright 2023 – All the contents of this website, in particular texts, photographs and graphics, are protected by copyright. All rights, including reproduction, publication, editing and translation rights, are reserved by AUTODOC SE.