



How to change rear  
wheel bearing on  
**HONDA City Saloon**  
**(GM2, GM3) –**  
replacement guide

## SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

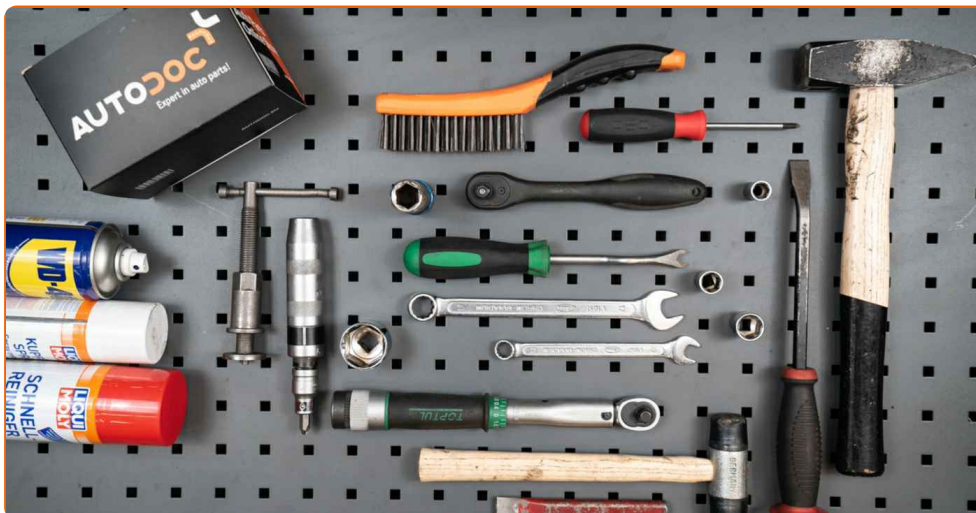
### Important!

This replacement procedure can be used for:  
HONDA City Saloon (GM2, GM3) 1.4 i-V TEC

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: HONDA Insight II Hatchback (ZE) 1.3 Hybrid (ZE2)

REPLACEMENT: WHEEL BEARING – HONDA CITY SALOON (GM2, GM3). TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- All-purpose cleaning spray
- Brake cleaner
- Copper grease
- Combination spanner #12
- Combination spanner #17
- Drive socket # 12
- Drive socket # 14
- Drive socket # 17
- Drive socket # 32
- Wheel impact socket #19
- Brake caliper wind back tool
- Ratchet wrench
- Torque wrench
- Impact screwdriver
- Phillips screwdriver
- Flat chisel
- Tap wrench
- Hammer
- Rubber mallet
- Crow bar
- Wheel chock

**Buy tools**

Replacement: wheel bearing – HONDA City Saloon (GM2, GM3). AUTODOC recommends:

- Do not re-use the bearing assembly of your HONDA City Saloon (GM2, GM3) car.
- The wheel hub bearing replacement procedure is identical for both wheels on the same axle.
- Please note: all work on the car – HONDA City Saloon (GM2, GM3) – should be done with the engine switched off.

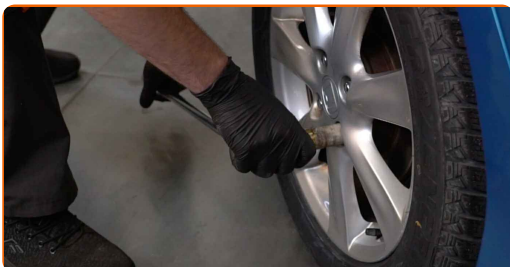
## CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

**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 #19.



4 Raise the rear of the car and secure on supports.

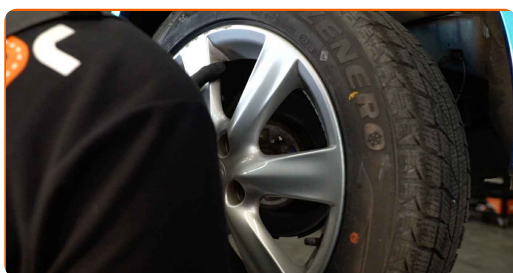
5 Unscrew the wheel bolts.



Replacement: wheel bearing – HONDA City Saloon (GM2, GM3). Tip:

- To avoid injury, hold up the wheel when unscrewing the bolts.

6 Remove the wheel.



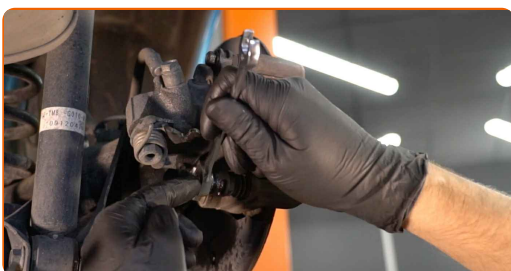
7 Clean the brake caliper fasteners. Use a wire brush. Use WD-40 spray.



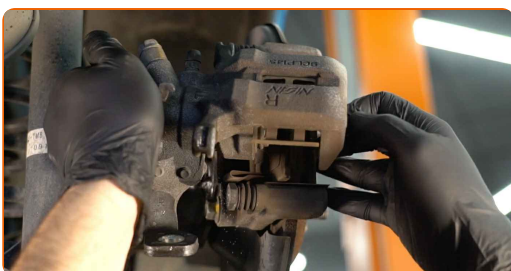
- 8 Detach the parking brake cable from the bracket on the brake caliper. Use a drive socket #17. Use a ratchet wrench. Use a crowbar.



- 9 Unscrew the brake caliper fastening. Use a combination spanner #12. Use a combination spanner #17.



- 10 Remove the brake caliper.



Replacement: wheel bearing – HONDA City Saloon (GM2, GM3). AUTODOC experts 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.

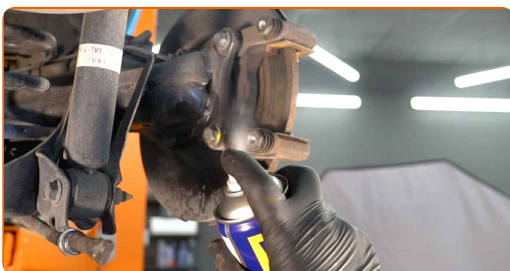
11

Remove the brake pads.



12

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

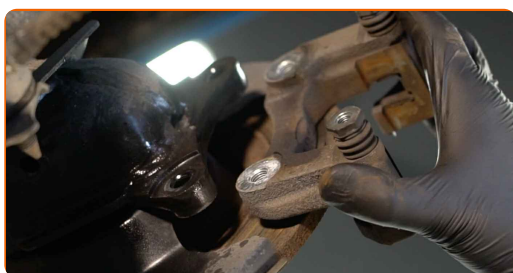




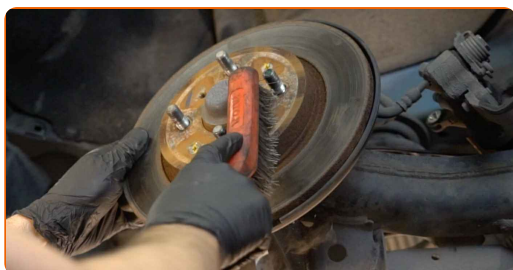
**13** Unscrew the caliper bracket fastening. Use a drive socket #14. Use a ratchet wrench.



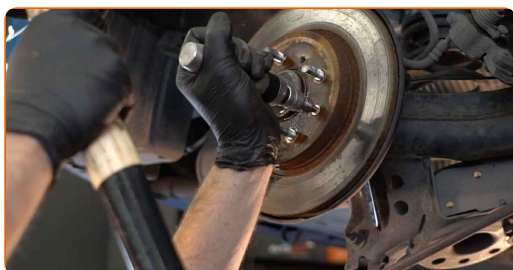
**14** Remove the caliper bracket.



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



**16** Unscrew the brake disc fastening. Use a Phillips screwdriver. Use an impact screwdriver.

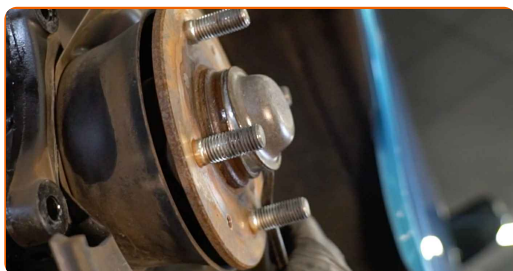




**17** Remove the brake disc.



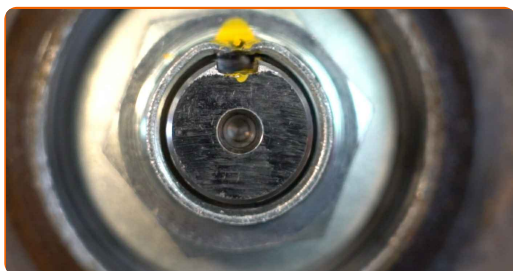
**18** Remove the hub bearing protection cap. Use a hammer. Use a crowbar.



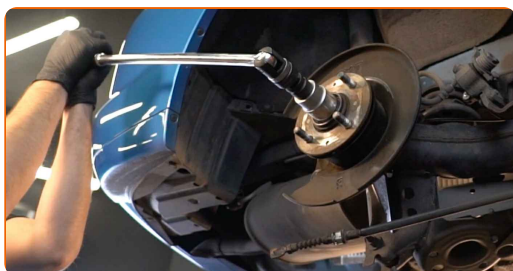
**AUTODOC recommends:**

- Some cars are not equipped with wheel hub caps.

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



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



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



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



**23** Install the new wheel hub with a bearing.



**24** Tighten the hub. Use a drive socket #32. Use a torque wrench. Tighten it to 181 Nm torque.



Replacement: wheel bearing – HONDA City Saloon (GM2, GM3). Tip from AUTODOC:

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

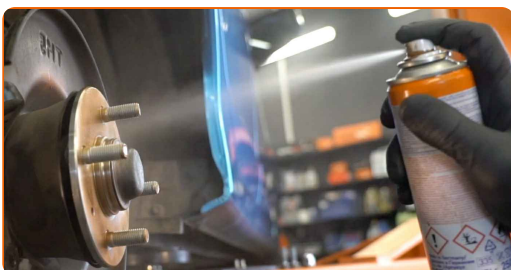
**25** Restake the wheel hub retaining nut. Use a flat metal-working chisel. Use a hammer.



**26** Install the hub bearing protection cap. Use a rubber mallet. Use a crowbar.



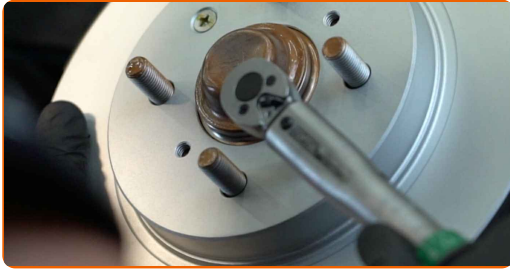
**27** Apply special grease to the bearing assembly mounting seat. Use copper grease.



**28** Install the brake disc.



**29** Tighten the brake disc fastening. Use a Phillips screwdriver. Use a torque wrench. Tighten it to 9 Nm torque.



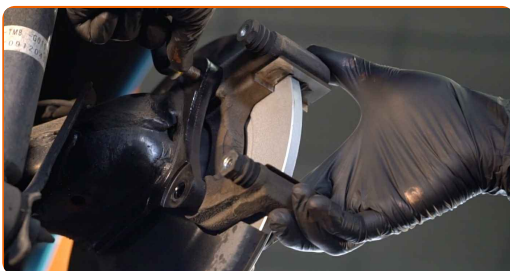
**30** Clean the brake caliper bracket from dirt and dust. Use a wire brush. Use a brake cleaner.



**AUTODOC recommends:**

- Replacement: wheel bearing – HONDA City Saloon (GM2, GM3). After applying the spray, wait a few minutes.

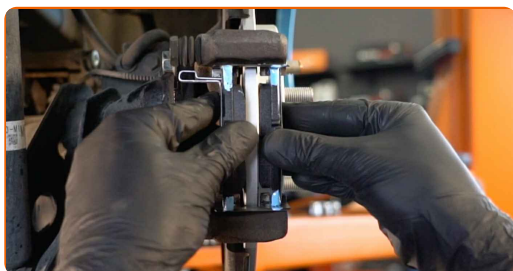
**31** Install the brake caliper bracket.



**32** Tighten the brake caliper bracket. Use a drive socket #14. Use a torque wrench. Tighten it to 55 Nm torque.



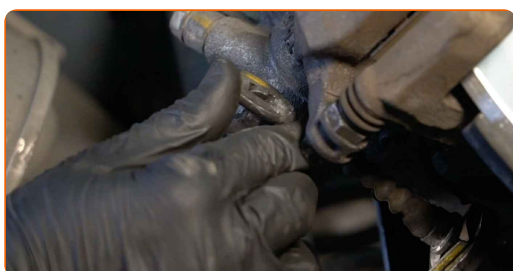
**33** Install the brake pads.



**34** Install the brake caliper and fix it. Use a combination spanner #12. Use a combination spanner #17. Use a drive socket #12. Use a torque wrench. Tighten it to 23 Nm torque.



**35** Install the parking brake cable into the brake caliper bracket. Use a rubber mallet. Use a drive socket #17. Use a ratchet wrench.





**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.



Replacement: wheel bearing – HONDA City Saloon (GM2, GM3). Tip from AUTODOC experts:

- After applying the spray, wait a few minutes.

**38**

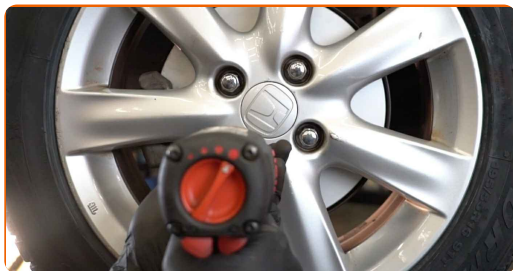
Install the wheel.



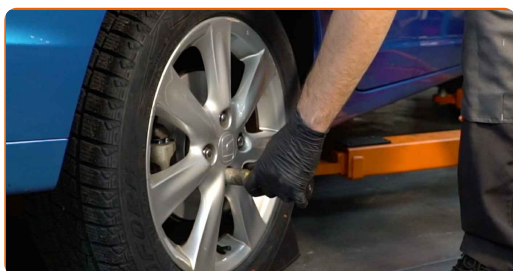
AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. HONDA City Saloon (GM2, GM3)

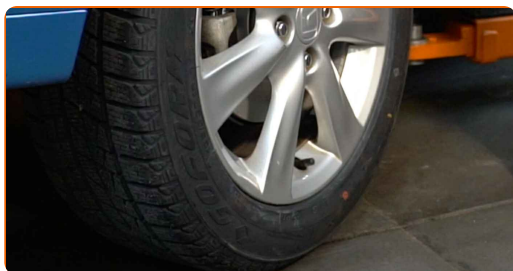
**39** Screw in the wheel bolts. Use wheel impact socket #19.



**40** Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #19. Use a torque wrench. Tighten it to 108 Nm torque.



**41** Remove the jacks and chocks.



**AUTODOC recommends:**

- Important! Replacement: wheel bearing – HONDA City Saloon (GM2, GM3).  
Check the brake fluid level in the reservoir and top up if necessary.



42

Tighten the brake fluid reservoir cap. Close the hood.

**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 2022 – 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 GmbH.