



How to change front
wheel bearing on
**HONDA City Saloon
(GE4)** – replacement
guide

SIMILAR VIDEO TUTORIAL



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

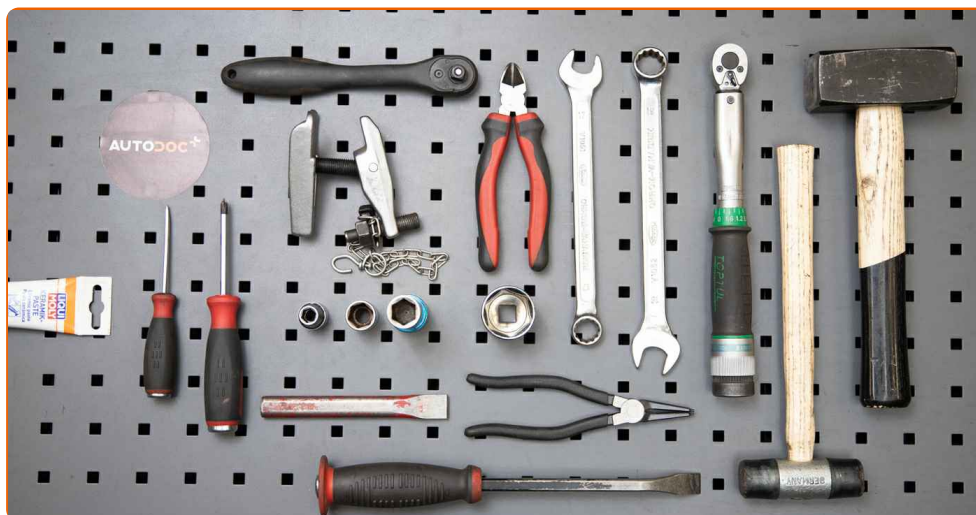
Important!

This replacement procedure can be used for:
HONDA City Saloon (GE4) 1.2

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 Jazz Hatchback (GD, GE3, GE2) 1.2 i-DSI (GD5, GE2)

REPLACEMENT: WHEEL BEARING – HONDA CITY SALOON (GE4). TOOLS YOU NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- High-temperature ceramic grease
- Combination spanner #17
- Combination spanner #19
- Drive socket # 10
- Drive socket # 17
- Drive socket # 32
- Wheel impact socket #19
- Ratchet wrench
- Torque wrench
- Bush and bearing driver set
- Phillips Screwdriver
- Flat Screwdriver
- Hammer
- Flat chisel
- Crow bar
- Rubber mallet
- Round-nose pliers
- Nippers
- Ball joint puller
- Wheel chock

Buy tools

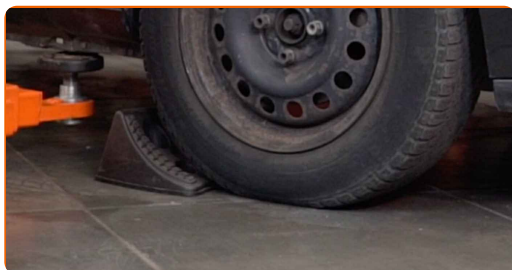
Replacement: wheel bearing – HONDA City Saloon (GE4). AUTODOC experts recommend:

- The wheel hub bearing replacement procedure is identical for both wheels on the same axle.
- Do not re-use the bearing assembly of your HONDA City Saloon (GE4) car.
- All work should be done with the engine stopped.

REPLACEMENT: WHEEL BEARING – HONDA CITY SALOON (GE4). RECOMMENDED SEQUENCE OF STEPS:

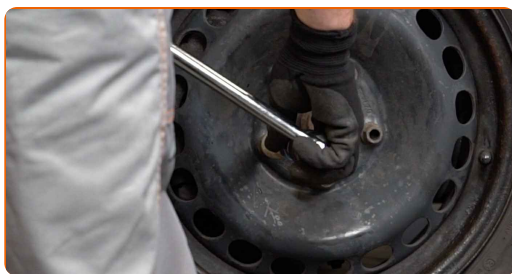
1

Secure the wheels with chocks.



2

Loosen the wheel mounting bolts. Use wheel impact socket #19.



3

Raise the front of the car and secure on supports.

4

Unscrew the wheel bolts.

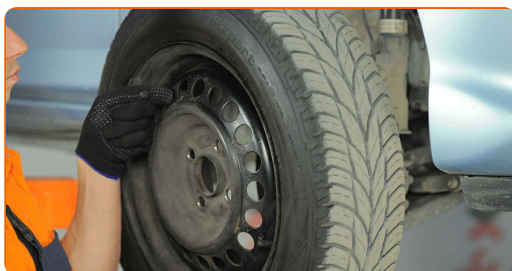


Replacement: wheel bearing – HONDA City Saloon (GE4). AUTODOC experts recommend:

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

5

Remove the wheel.



6

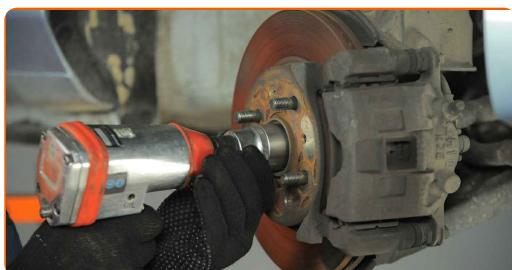
Unstake the wheel hub retaining nut. Use a flat metal-working chisel. Use a hammer.

7

Clean the wheel hub fastener. Use a wire brush. Use WD-40 spray.

8

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

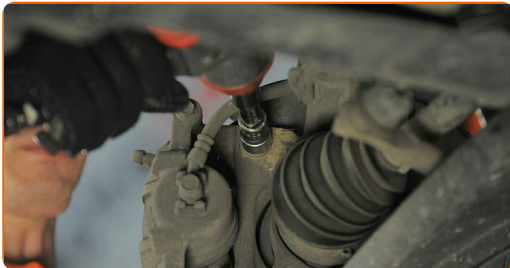


9

Remove the fastening nut.

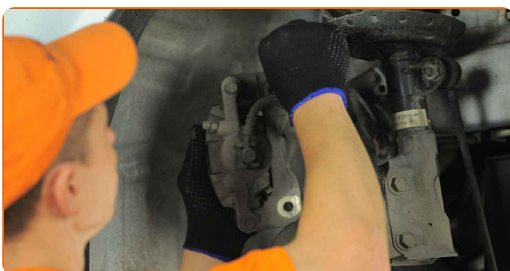
10 Clean the brake caliper bracket fasteners. Use a wire brush. Use WD-40 spray.

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



12 Remove the fastening bolts (2 pieces).

13 Remove the brake caliper together with its bracket.

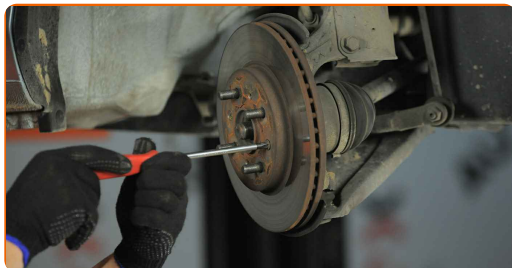


AUTODOC recommends:

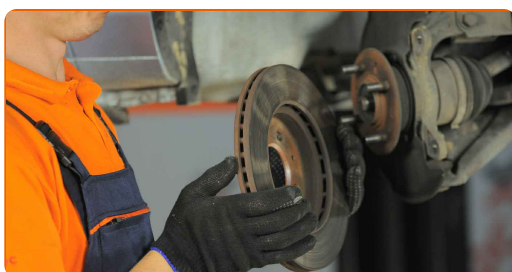
- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- Make sure that the brake caliper is not hanging on the brake hose.
- Don't press the brake pedal after the brake caliper has been removed. As a result, the piston can fall out from the brake cylinder, and brake fluid leakage and depressurization of the system may occur.
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

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

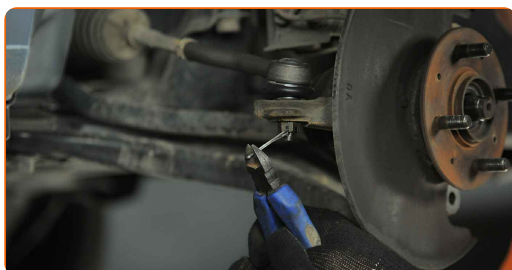
15 Unscrew the brake disc fastening. Use a Phillips screwdriver.



16 Remove the brake disc.

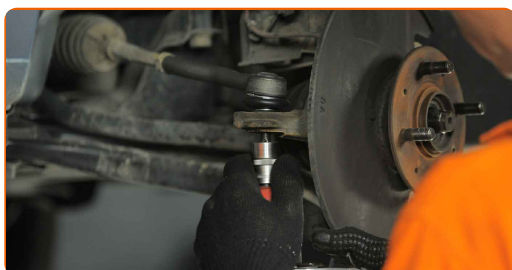


17 Remove the cotter pin. Use nippers.



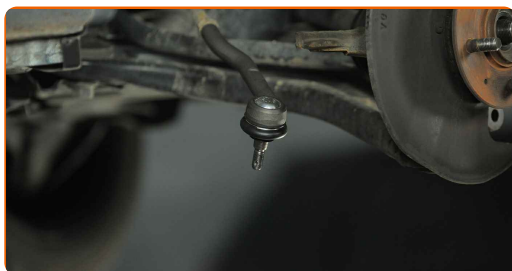
18 Clean the fastener connecting the tie rod end to the steering knuckle. Use a wire brush. Use WD-40 spray.

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



20

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



21

Clean the fastener that connects the ball joint to the steering knuckle. Use a wire brush. Use WD-40 spray.

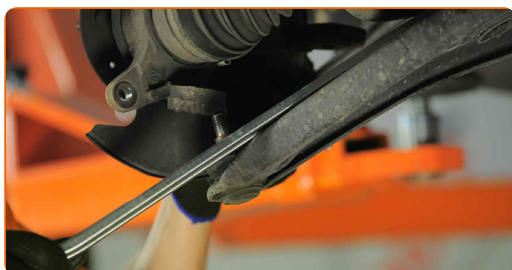
22

Unscrew the ball joint fastening to the steering knuckle. Use a combination spanner #19.



23

Disconnect the lower arm from the steering knuckle. Use a crowbar. Use a rubber mallet.



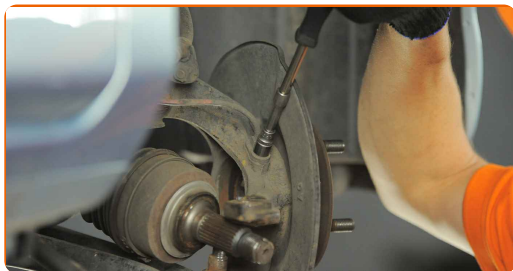
24

Detach the driveshaft from the steering knuckle.



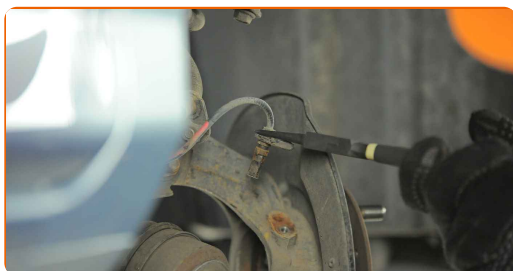
25.1

Remove the ABS sensor from the steering knuckle. Use a drive socket #10. Use a ratchet wrench.



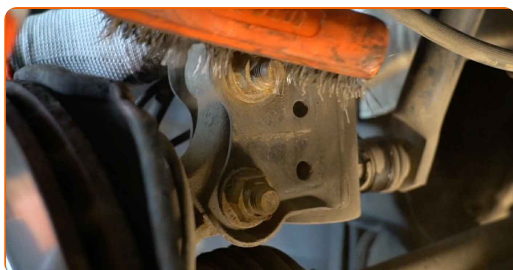
25.2

Use round-nose pliers.



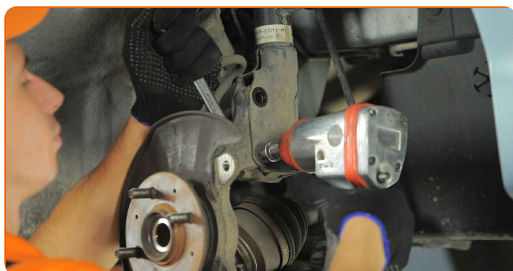
26

Clean the fasteners connecting the shock strut to the steering knuckle. Use a wire brush. Use WD-40 spray.



27

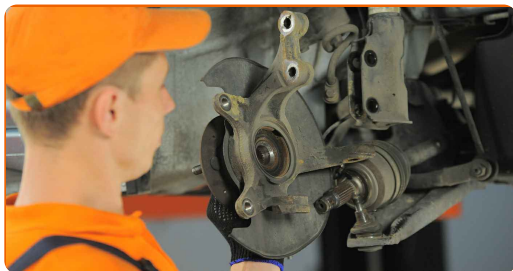
Unscrew the fasteners connecting the suspension strut to the steering knuckle. Use a combination spanner #17. Use a drive socket #17. Use a ratchet wrench.



28

Remove the fastening bolts.

- 29 Disconnect the steering knuckle from the shock absorber strut.



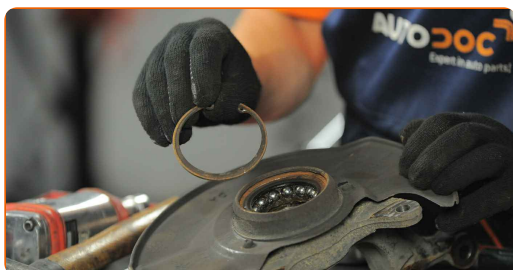
- 30 Remove the steering knuckle together with the hub.



- 31 Remove the wheel hub from the steering knuckle. Use a bush and bearing driver set. Use a hammer.



- 32 Remove the wheel hub bearing retaining ring. Use round-nose pliers. Use a flat screwdriver.



33

Press out the wheel hub bearing. Use a bush and bearing driver set.



34

Clean the hub bearing mounting seat. Use a wire brush. Use WD-40 spray.



35

Press the new bearing in the steering knuckle. Use a bush and bearing driver set.



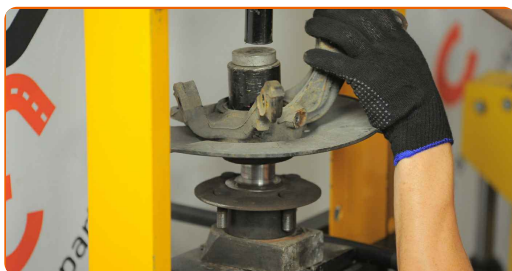
Replacement: wheel bearing – HONDA City Saloon (GE4). Tip from AUTODOC:

- Check to make sure the wheel hub bearing is positioned correctly. Avoid its misalignment.
- Stop pressing on the surface of the bearing immediately after it has been fitted into its mounting seat.

- 36 Install the retaining ring on the steering knuckle. Use round-nose pliers.



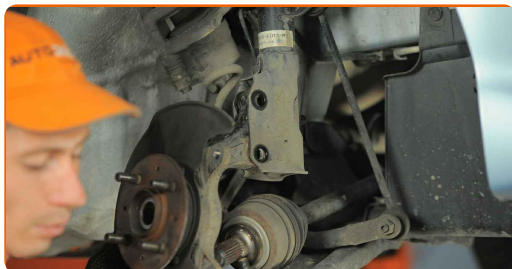
- 37 Install the wheel hub on the steering knuckle. Use a bush and bearing driver set.



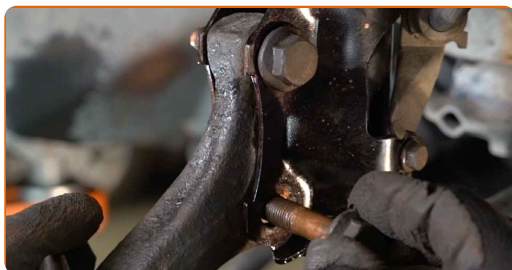
- 38 Treat the shock strut mounting seat on the steering knuckle. Use a wire brush. Use WD-40 spray.

- 39 Install the steering knuckle with a hub in assembly.

- 40 Fix the shock absorber strut on the steering knuckle.

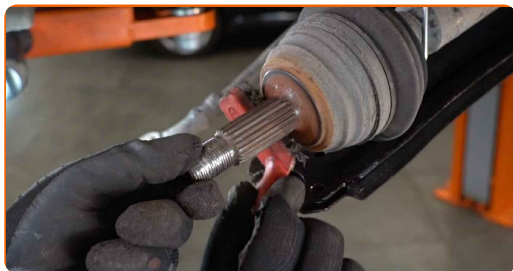


- 41 Install the fastening bolts.



42

Treat the splines of the driveshaft CV joint. Use a wire brush. Use WD-40 spray.



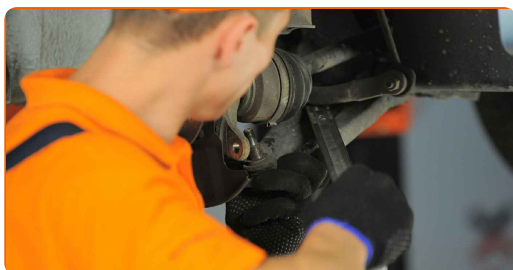
43

Install the steering knuckle on the CV axle.



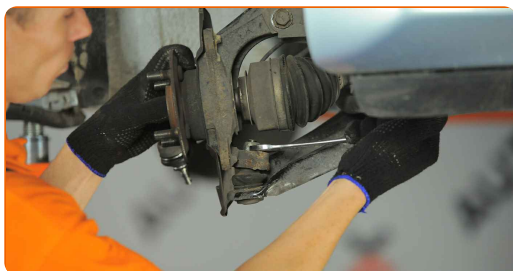
44

Connect the lower control arm to the steering knuckle. Use a crowbar.

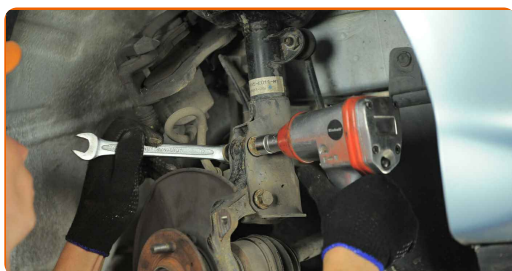


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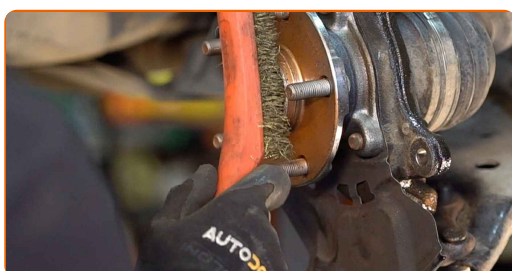
Tighten the fastener connecting the ball joint to the steering knuckle. Use a combination spanner #19. Use a torque wrench. Tighten it to 59 Nm torque.



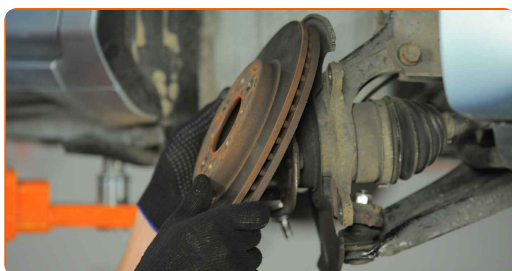
- 46** Tighten the lower fasteners connecting the shock strut to the steering knuckle. Use a combination spanner #17. Use a drive socket #17. Use a torque wrench. Tighten it to 69 Nm torque.



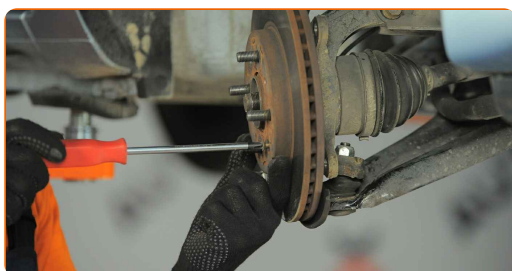
- 47** Clean the hub. Use a wire brush. Treat the contacting surface. Use copper grease.



- 48** Install the brake disc.



- 49** Tighten the brake disc fastening. Use a Phillips screwdriver. Use a torque wrench. Tighten it to 10 Nm torque.



- 50** Clean the mounting seats of the caliper and its bracket. Use a wire brush. Use WD-40 spray.

51

Install the brake caliper together with its bracket.

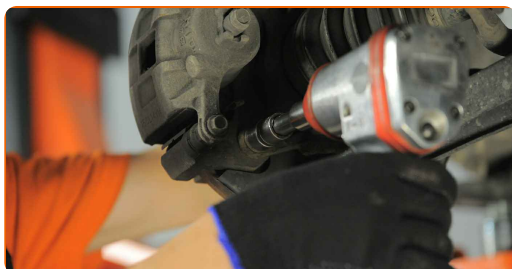


52

Install the fastening bolts (2 pieces).

53

Tighten the brake caliper bracket. Use a drive socket #17. Use a torque wrench. Tighten it to 108 Nm torque.



54

Install the fastening nut.

55

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

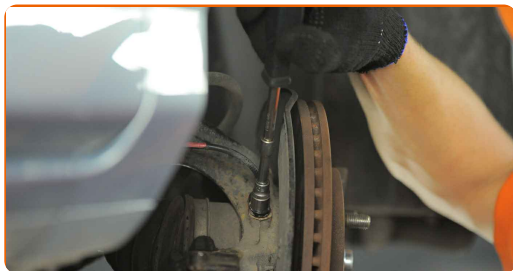


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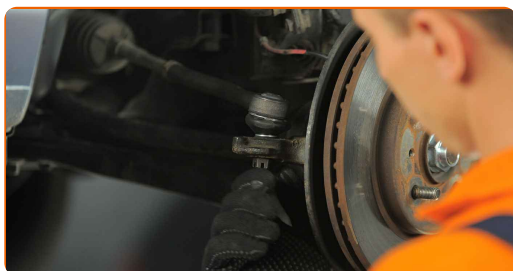
Restake the wheel hub retaining nut. Use a flat metal-working chisel. Use a hammer.



57 Install the ABS sensor on the steering knuckle and secure it. Use a drive socket #10. Use a ratchet wrench.



58 Connect the tie rod end to the steering knuckle.



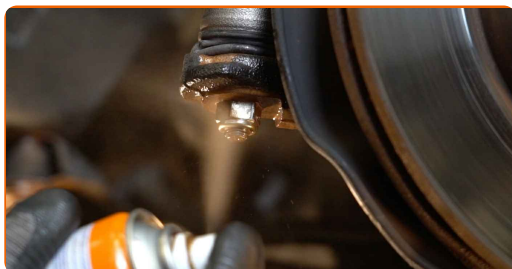
59 Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #17. Use a torque wrench. Tighten it to 43 nm torque.



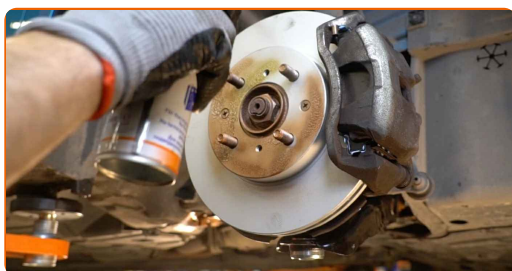
60 Install the cotter pin. Use nippers.



- 61** Treat the fastener connecting the tie rod end to the steering knuckle. Treat the fasteners of the ball joint. Treat the shock strut fasteners. Use copper grease.



- 62** Treat the surface where the brake disc contacts the wheel rim. Use high-temperature ceramic grease.



- 63** Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- Replacement: wheel bearing – HONDA City Saloon (GE4). After applying the spray, wait a few minutes.

64

Install the wheel.



Replacement: wheel bearing – HONDA City Saloon (GE4). Tip:

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

65

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



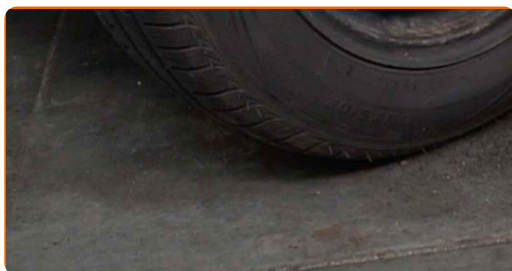
66

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.



67

Remove the jacks and chocks.

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