



How to change front
suspension strut on
Honda CR-V II –
replacement guide

VIDEO TUTORIAL



Important!

This replacement procedure can be used for:
HONDA CR-V II (RD_) 2.0 (RD4), HONDA CR-V II (RD_) 2.0

The steps may slightly vary depending on the car design.

**REPLACEMENT: SUSPENSION STRUT – HONDA CR-V II.
LIST OF THE TOOLS YOU'LL NEED:**



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Drive socket # 10
- Drive socket # 12
- Drive socket # 14
- Drive socket # 17
- Drive socket # 22
- Combination spanner #17
- Combination spanner #19
- HEX bit no.H7.
- Wheel impact socket #19
- Ratchet wrench
- Torque wrench
- Hydraulic strut spring compressor
- Ball joint puller
- Nippers
- Fender cover
- Wheel chock

BUY TOOLS

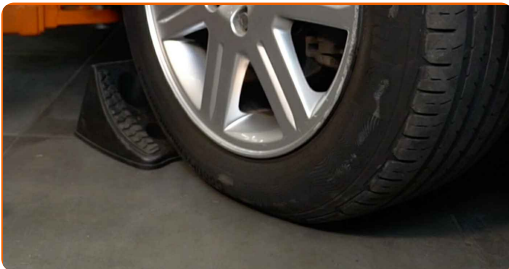
Replacement: suspension strut – Honda CR-V II. Tip from AUTODOC:

- Both shock struts of the front suspension should be replaced simultaneously.
- The replacement procedure is identical for the left and right shock struts of the front suspension.
- Please note: all work on the car – Honda CR-V II – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

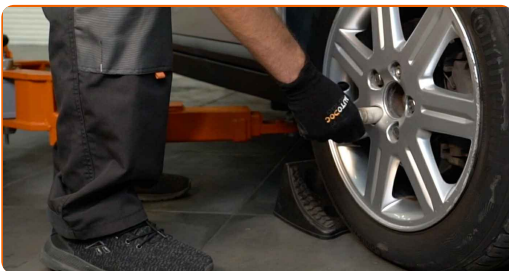
1

Secure the wheels with chocks.



2

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

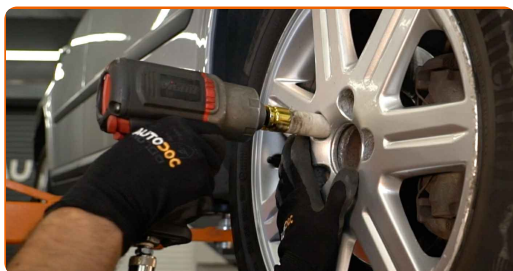


3

Raise the front of the car and secure on supports.



4 Unscrew the wheel bolts.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.
Honda CR-V II

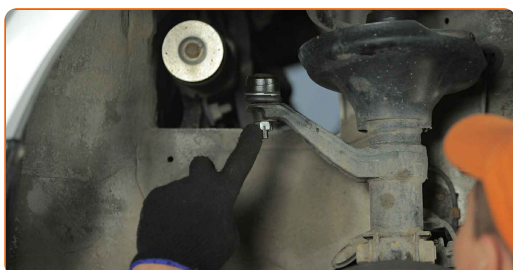
5 Remove the wheel.



6 Remove the cotter pin. Use nippers.

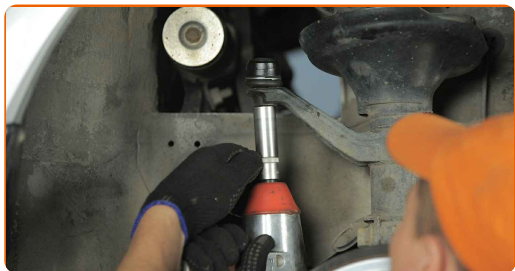


7 Clean the fastener connecting the tie rod end to the steering knuckle. Use a wire brush. Use WD-40 spray.

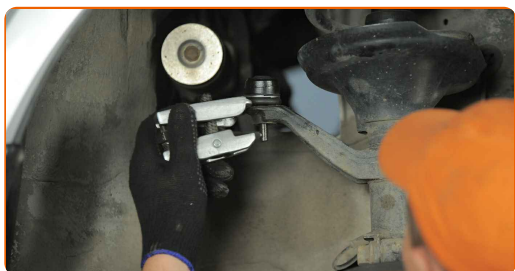


8

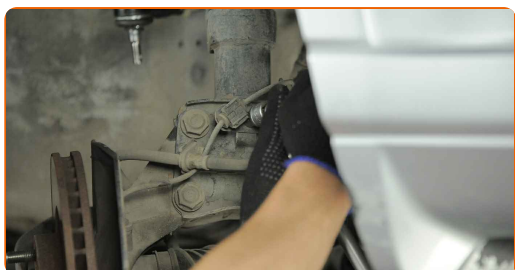
Unscrew the end fastening nut to the steering knuckle. Use a drive socket #17. Use a ratchet wrench.

**9**

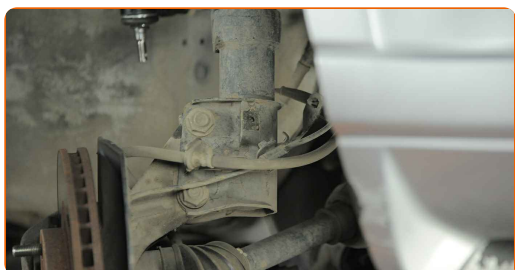
Disconnect the tie rod end from the steering knuckle. Use a ball joint puller.

**10**

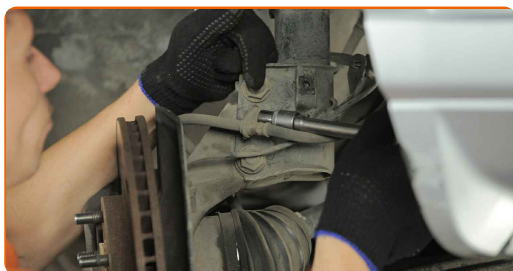
Unscrew the ABS cable holder. Use a drive socket #10. Use a ratchet wrench.

**11**

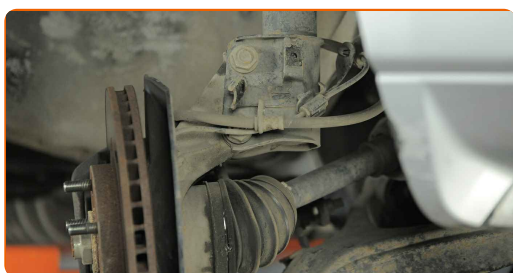
Remove the ABS wiring harness bracket.



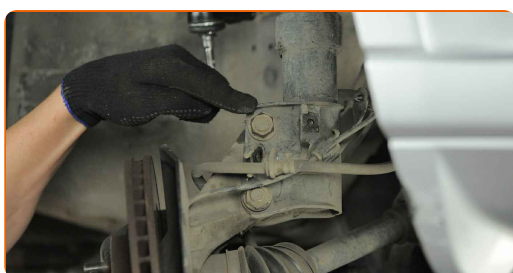
12 Unscrew the brake hose fastening bracket from the shock strut. Use a drive socket #12. Use a ratchet wrench.



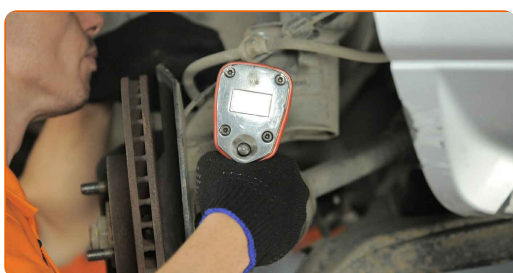
13 Remove the bracket from the shock absorber strut.



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



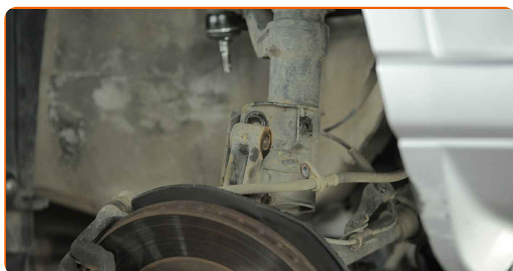
15 Unscrew the lower fastener connecting the shock strut to the steering knuckle. Use a combination spanner #19. Use a drive socket #22. Use a ratchet wrench.



16 Remove the fastening bolts (2 pieces).



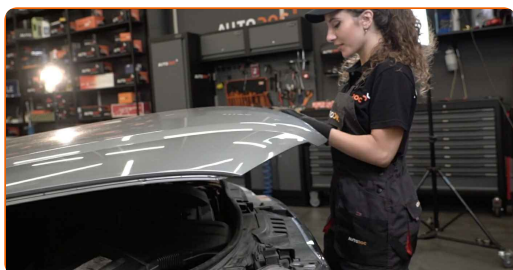
17 Disconnect the steering knuckle from the shock absorber strut.



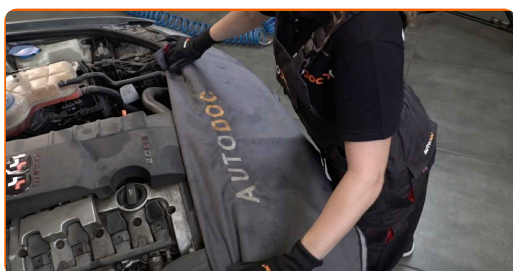
18 Lower the car.



19 Open the bonnet.

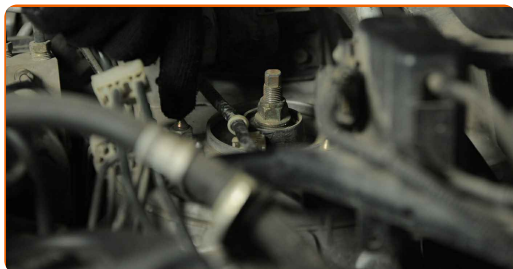


20 Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.



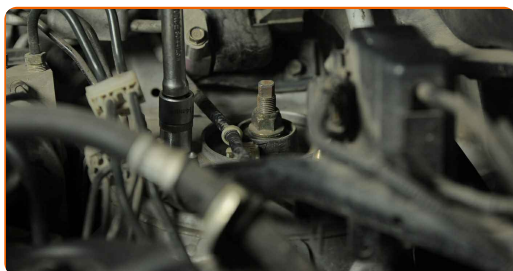
21

Clean the fasteners of the shock strut upper mount. Use a wire brush. Use WD-40 spray.



22

Unscrew the top fastening of the shock strut mount. Use a drive socket #14. Use a ratchet wrench.



AUTODOC recommends:

- Important! Hold the suspension strut while unscrewing the fastening bolts.
Honda CR-V II

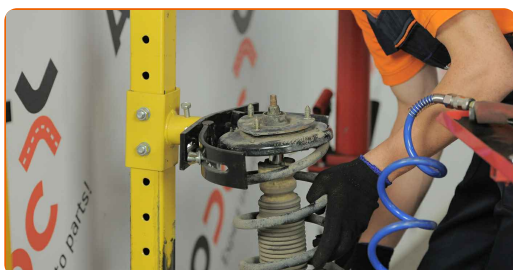
23

Remove the suspension strut.



24

Set the shock absorber strut on the spring compressor tool.

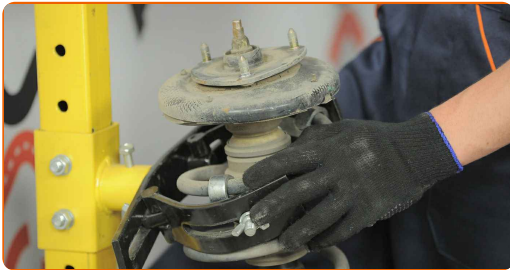


AUTODOC recommends:

- Note that when using a spring compressor, spring coils need to be securely gripped, compressing the spring on the opposite sides.
- Ensure the correct position of the spring in the retainer.
- Make sure that the spring coils tightly entered the lock handles.

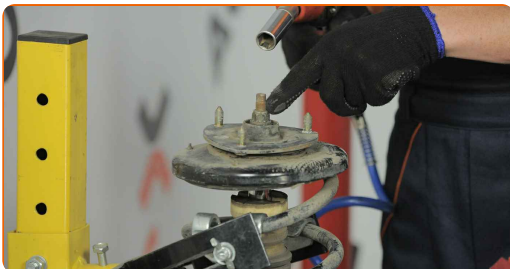
25

Compress the spring.



26

Treat the shock strut rod. Use a wire brush. Use WD-40 spray.



27

Remove the strut piston rod nut. Use a drive socket #17. Use a ratchet wrench.



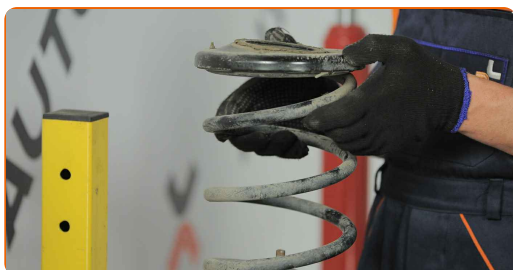
28 Remove the top strut mount.



29 Release the coil spring.



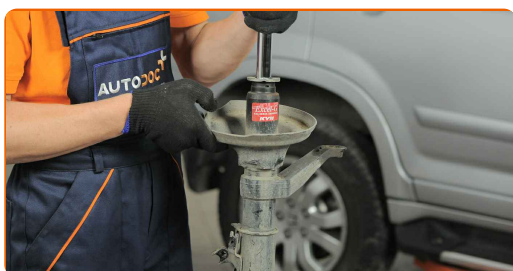
30 Remove the spring.



31 Remove the shock absorber dust cap and the bump stop.



32 Remove the old shock absorber from the hydraulic coil spring compressor.



AUTODOC recommends:

- Replacement: suspension strut – Honda CR-V II. Carefully inspect the mount, the boot, and the bump stop of the shock absorber. Replace if necessary.
- Before installing a new shock absorber you should pump it manually 3-5 times.

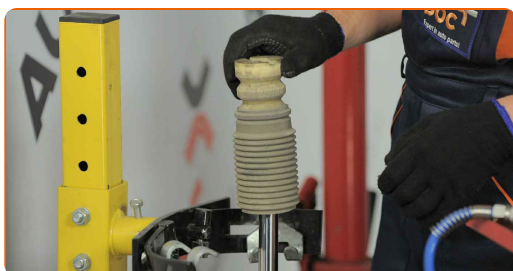
33

Install the new shock absorber on the hydraulic coil spring compressor.



34

Install the dust sleeve and the bump stop on the new shock absorber.



35

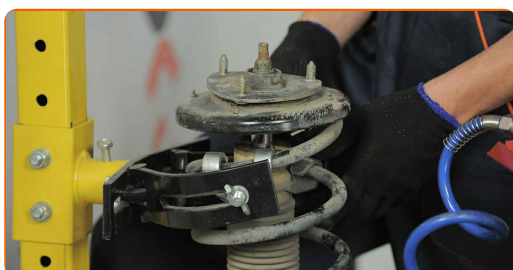
Install the spring on the shock absorber.



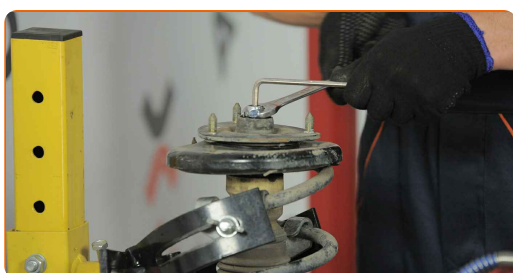
36 Install the upper strut mount and the strut mount bearing.



37 Compress the spring.



38 Tighten the shock strut piston rod nut. Use a combination spanner #17. Use HEX No.H7. Use a torque wrench. Tighten it to 44 Nm torque.



Replacement: suspension strut – Honda CR-V II. Tip from AUTODOC:

- Check to make sure the spring is positioned correctly. Avoid its misalignment.

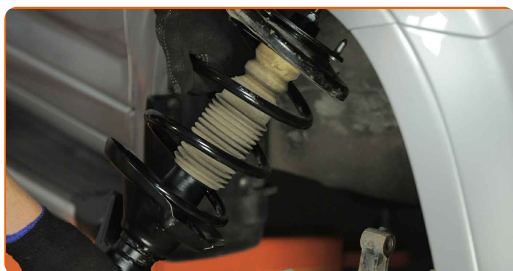
39 Decompress the spring.

40 Treat the shock strut rod. Use copper grease.

41 Remove the assembled shock strut.



42 Install the shock strut into the wheel arch.

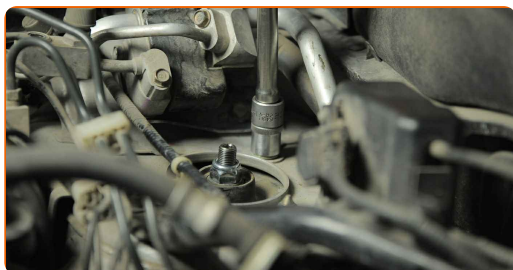


43 Screw the top fastening of the shock strut mount.

AUTODOC recommends:

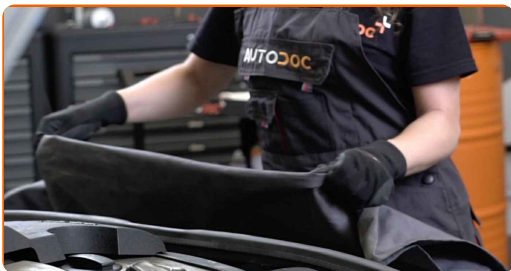
- Honda CR-V II – To avoid injury, hold the suspension strut while screwing in the fastening bolts.

44 Tighten the upper fastener of the shock absorber strut mount. Use a drive socket #14. Use a torque wrench. Tighten it to 44 Nm torque.

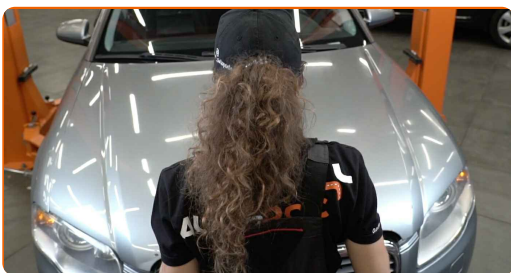


45 Treat the fasteners of the shock strut mount. Use copper grease.

46 Remove the fender protection cover.



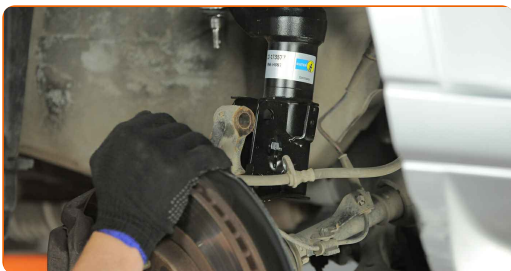
47 Close the hood.



48 Raise the front of the car and secure on supports.



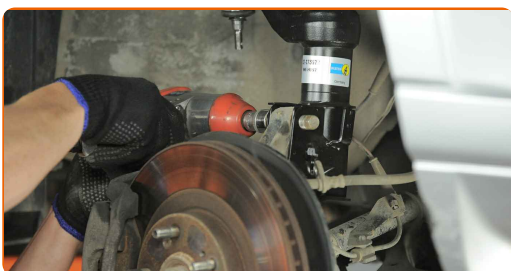
49 Fix the shock absorber strut on the steering knuckle.



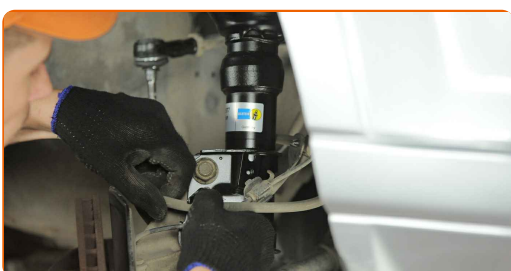
50 Install the fastening bolts (2 pieces). Use a ratchet wrench.



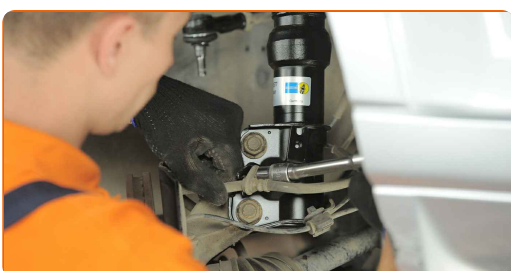
- 51 Tighten the lower fasteners connecting the shock strut to the steering knuckle. Use a combination spanner #19. Use a drive socket #22. Use a torque wrench. Tighten it to 157 Nm torque.



- 52 Install the bracket onto the shock absorber strut.



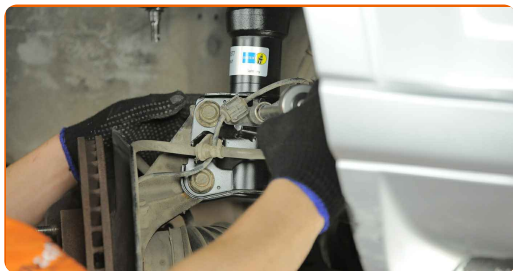
- 53 Tighten the brake hose fastening bracket to the shock strut. Use a drive socket #12. Use a ratchet wrench.



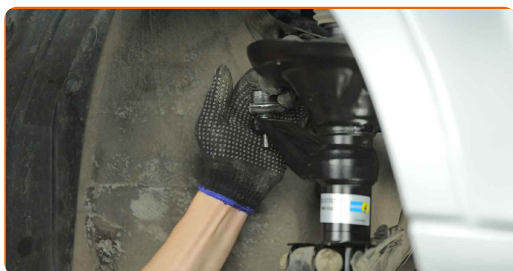
- 54 Install the ABS wiring harness bracket.



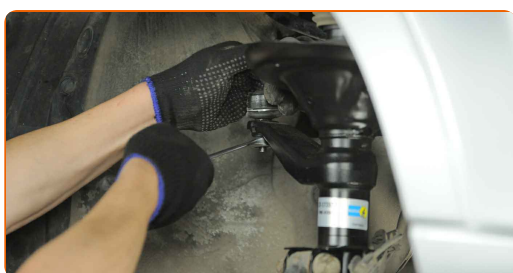
55 Tighten the ABS cable holder. Use a drive socket #10. Use a ratchet wrench.



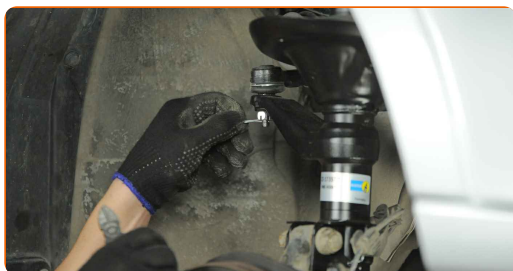
56 Connect the tie rod end to the steering knuckle.



57 Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a combination spanner #17. Use a torque wrench. Tighten it to 43 nm torque.



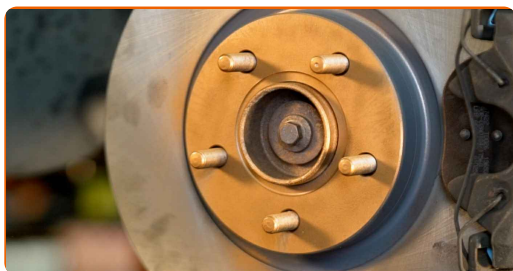
58 Install the cotter pin. Use nippers.



59 Treat the shock strut fasteners. Treat the fastener connecting the tie rod end to the steering knuckle. Use copper grease.

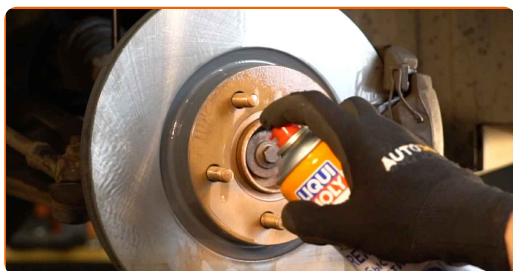
60

Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



61

Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- Replacement: suspension strut – Honda CR-V II. After applying the spray, wait a few minutes.

62

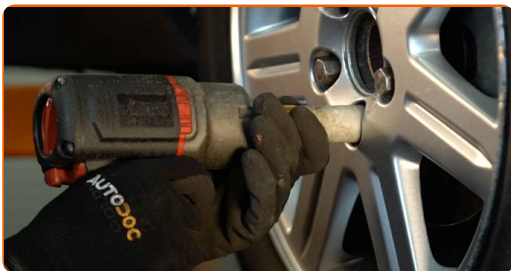
Install the wheel.



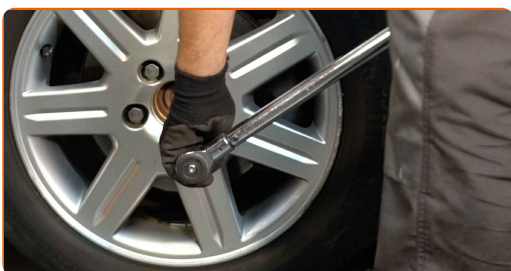
AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. Honda CR-V II

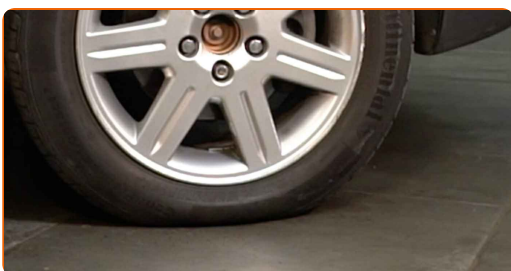
63 Screw in the wheel bolts. Use wheel impact socket #19.



64 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.



65 Remove the jacks and chocks.



WELL DONE! 

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