



How to change front
suspension strut on
Honda Civic 8 –
replacement guide

VIDEO TUTORIAL

** Important!**

This replacement procedure can be used for:

HONDA CIVIC VIII Hatchback (FN, FK) 1.4 (FK1), HONDA CIVIC VIII Hatchback (FN, FK) 2.2 CTDi (FK3), HONDA CIVIC VIII Hatchback (FN, FK) 1.4 (FK1, FN4)

The steps may slightly vary depending on the car design.

REPLACEMENT: SUSPENSION STRUT – HONDA CIVIC
8. TOOLS YOU NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Ceramic grease
- Torque wrench
- Combination spanner #19
- Drive socket # 12
- Drive socket # 14
- Drive socket # 17
- Drive socket # 19
- 17-mm strut nut socket
- 19-mm strut nut socket
- HEX bit no.H6
- Wheel impact socket #19
- Ratchet wrench
- Tap wrench
- Hydraulic strut spring compressor
- Clip removal tool
- Hydraulic transmission jack
- Fender cover
- Wheel chock

BUY TOOLS

Replacement: suspension strut – Honda Civic 8. Tip from AUTODOC experts:

- 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.
- All work should be done with the engine stopped.

REPLACEMENT: SUSPENSION STRUT – HONDA CIVIC 8. RECOMMENDED SEQUENCE OF STEPS:

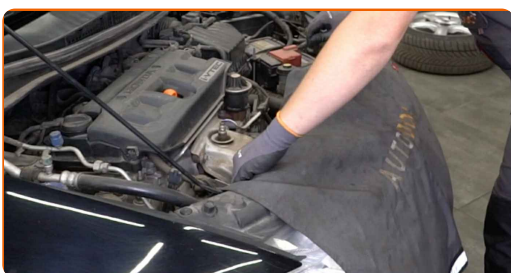
1

Open the bonnet.



2

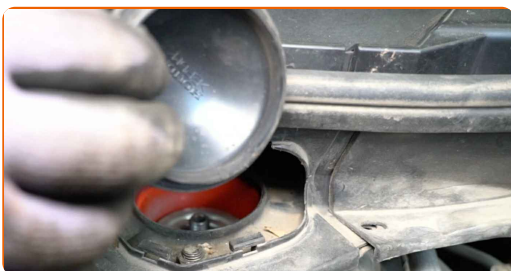
Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.



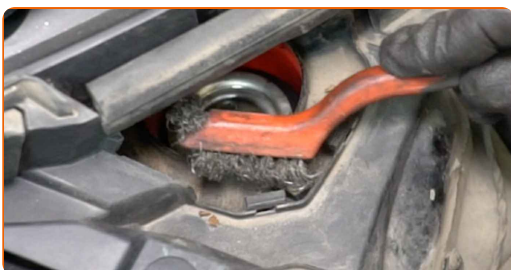
3 Remove the plastic panel.



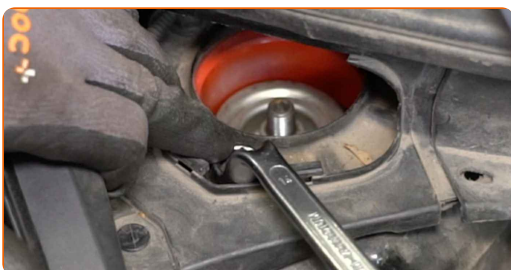
4 Remove the cap from the suspension strut mount.



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



6 Loosen the upper fasteners of the suspension strut. Use a drive socket #14. Use a ratchet wrench.



Replacement: suspension strut – Honda Civic 8. Tip:

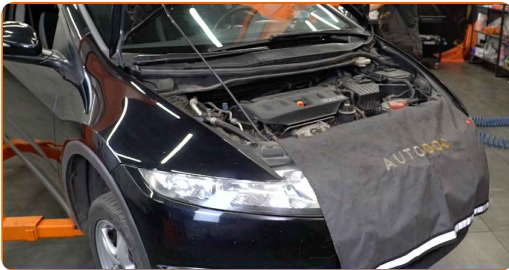
- Don't unscrew it completely.

7 Secure the wheels with chocks.

8 Loosen the wheel bolts. Use wheel impact socket #19. Use a tap wrench.



9 Raise the car.



AUTODOC recommends:

- If you are using a jack, make sure it rests on a flat surface without any unevenness.
- Be sure to additionally secure the car with jack stands.

10 Unscrew the wheel bolts.



AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. Honda Civic 8

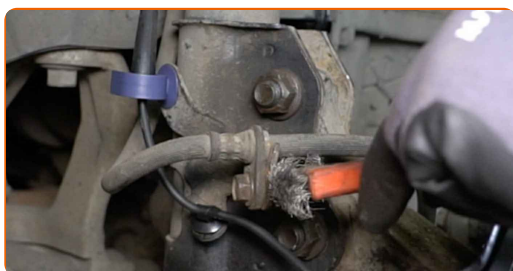
11

Remove the wheel.



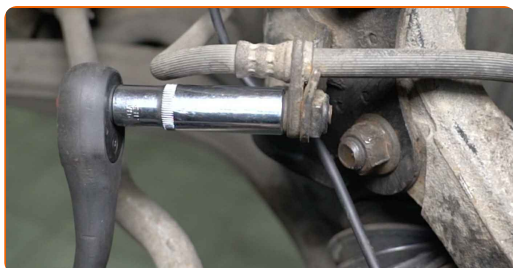
12

Clean the fastener that connects the brake hose bracket to the suspension strut. Use a wire brush. Use WD-40 spray.



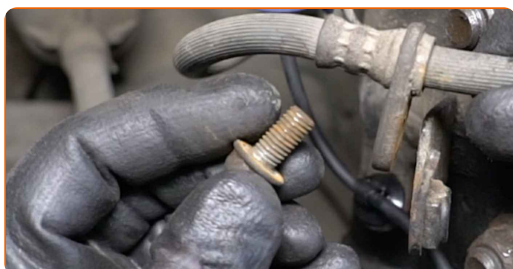
13

Unscrew the fastener that connects the brake hose bracket to the suspension strut. Use a drive socket #12. Use a ratchet wrench.



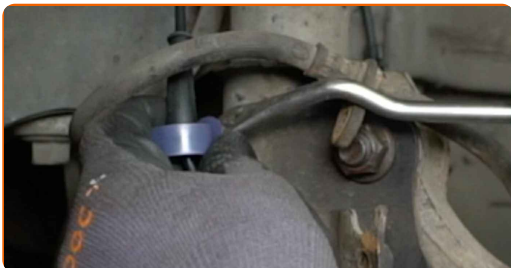
14

Remove the fastening bolt.



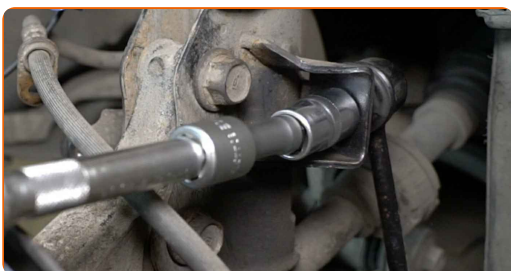
15 Remove the brake hose bracket.

16 Disconnect the ABS sensor wiring. Use a clip removal tool.

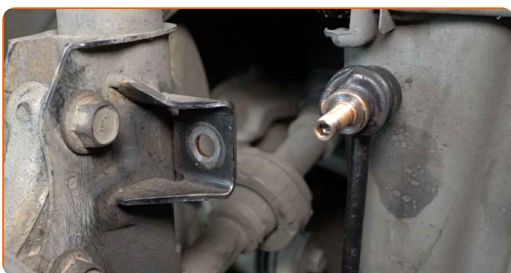


17 Clean the fastener that connects the sway bar link to the suspension strut. Use a wire brush. Use WD-40 spray.

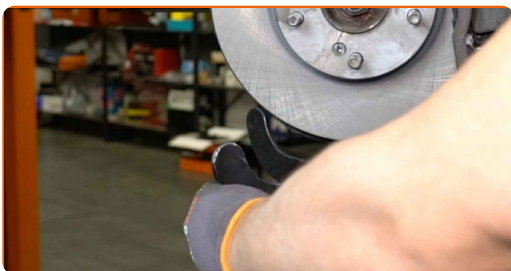
18 Unscrew the fastener connecting the stabilizer link to the shock strut. Use a drive socket #17. Use a ratchet wrench.



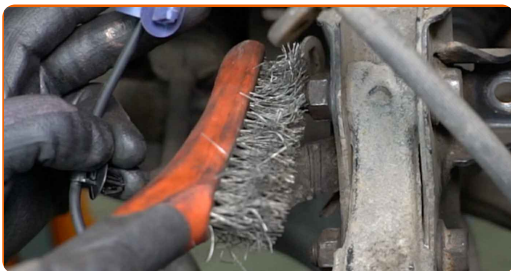
19 Remove the stabiliser link.



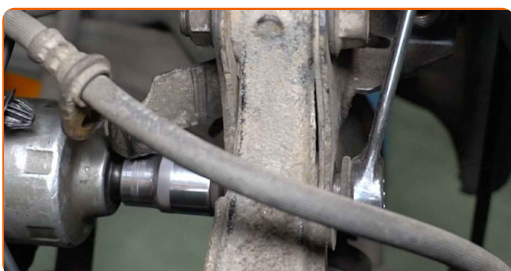
20 Support the steering knuckle. Use a hydraulic transmission jack.



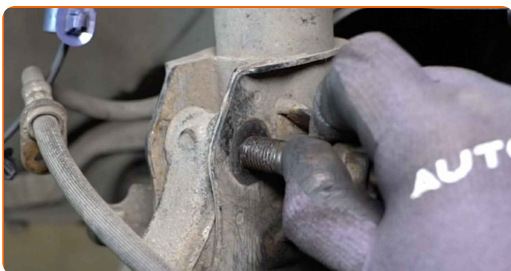
21 Clean the fasteners connecting the shock strut to the steering knuckle. Use a wire brush. Use WD-40 spray.



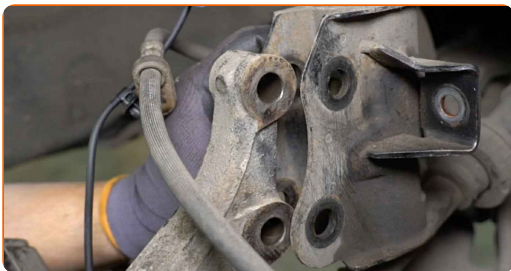
22 Unscrew the fasteners connecting the suspension strut to the steering knuckle. Use a combination spanner #19. Use a drive socket #19. Use a ratchet wrench.



23 Remove the fastening bolts.



24 Disconnect the steering knuckle from the suspension strut.



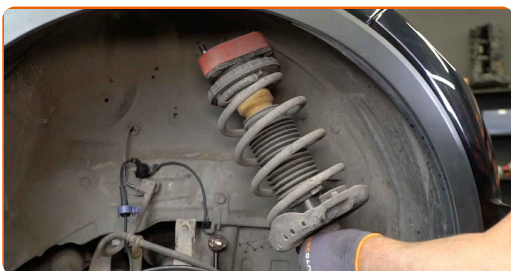
25 Unscrew the upper fasteners of the shock strut.



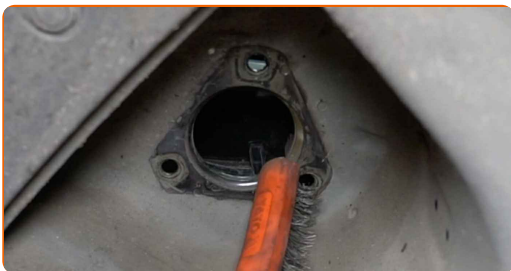
Replacement: suspension strut – Honda Civic 8. AUTODOC recommends:

- To avoid injuries, hold the shock strut when undoing the fastening bolts.

26 Remove the suspension strut.



27 Clean the mounting seats of the shock strut. Use a wire brush.



28 Set the suspension strut on the spring compressor tool.

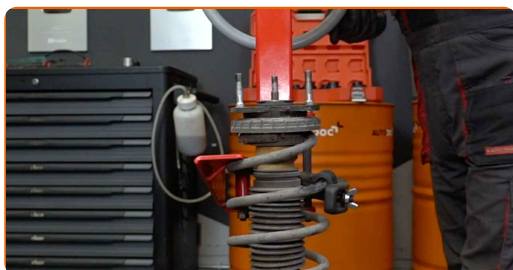


AUTODOC recommends:

- Note that when using a spring compressor, the spring coils need to be securely gripped, applying pressure on both ends.
- Ensure the correct position of the spring in the retainer.
- Make sure that the spring coils fit tightly into the retainers.

29

Compress the spring.



30

Unscrew the strut piston rod nut. Use a 19-mm strut nut socket. Use HEX No.H6. Use a ratchet wrench.

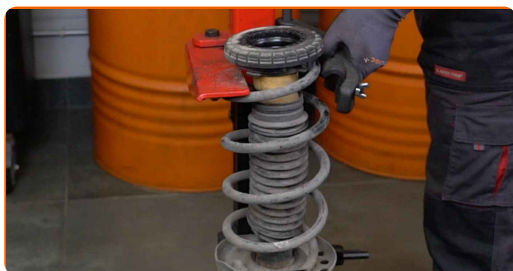


31

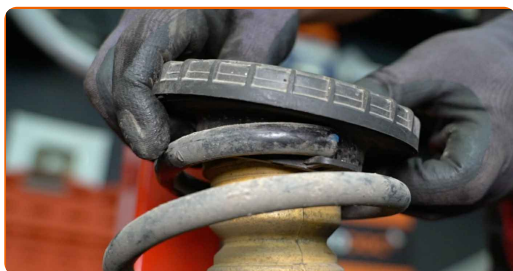
Remove the shock strut mount.



32 Decompress the spring.



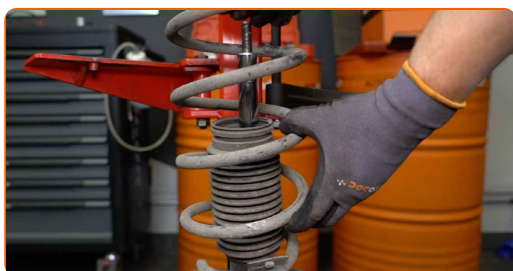
33 Remove the shock absorber dust boot and bump stop.



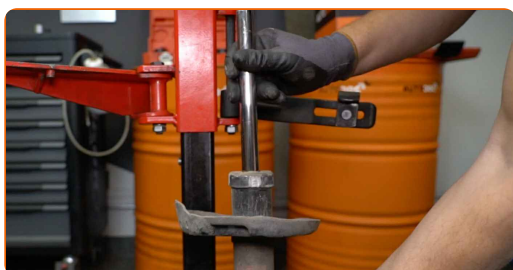
AUTODOC recommends:

- Replacement: suspension strut – Honda Civic 8. Carefully inspect the mount, the boot, and the bump stop of the shock absorber. Replace if necessary.

34 Remove the spring.



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



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



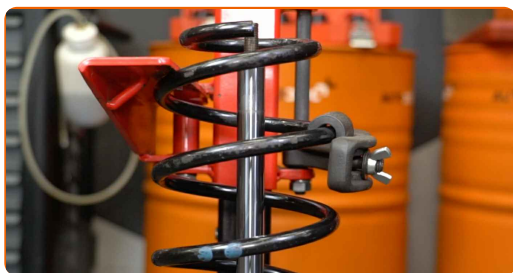
AUTODOC recommends:

- Before installing a new shock absorber you should pump it 3–5 times by hand.

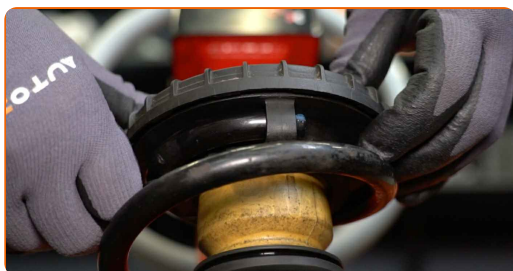
37 Install the spring on the shock absorber.



38 Compress the spring.



39 Install the dust boot and the bump stop on the new shock absorber.



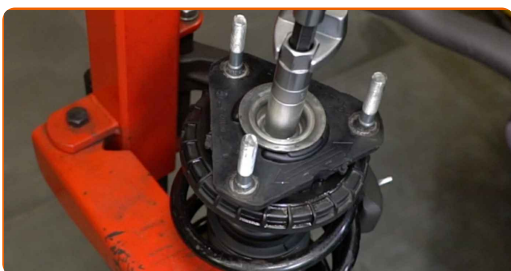
40 Install the upper strut mount and the strut mount bearing.



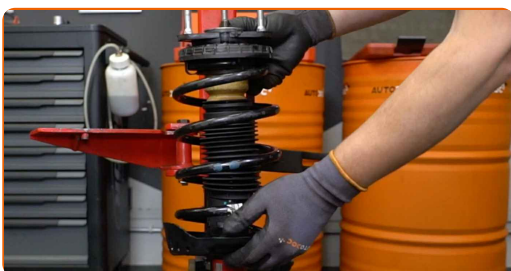
Replacement: suspension strut – Honda Civic 8. Professionals recommend:

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

41 Tighten the nut of the suspension strut piston rod. Use a 17-mm strut nut socket. Use HEX No.H6. Use a torque wrench. Tighten it to 54 Nm torque.



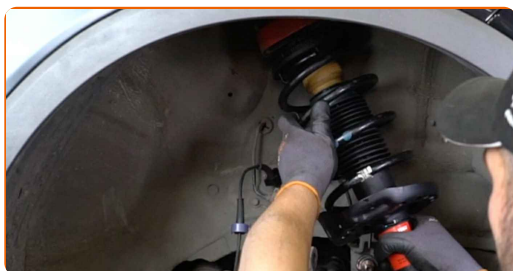
42 Decompress the spring.



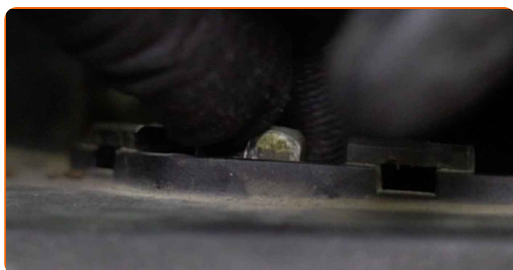
43 Remove the assembled shock strut.



44 Install the suspension strut into the wheel arch.



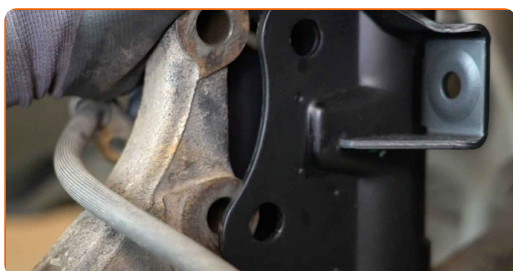
45 Secure the upper fasteners of the shock strut.



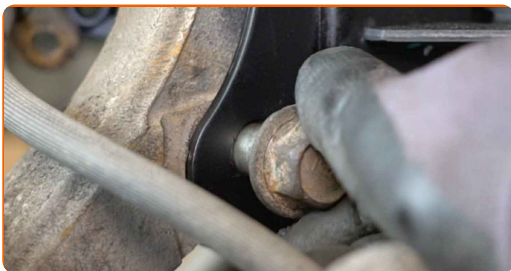
AUTODOC recommends:

- Do not tighten it.
- Honda Civic 8 – To avoid injury, hold the suspension strut while screwing in the fastening bolts.

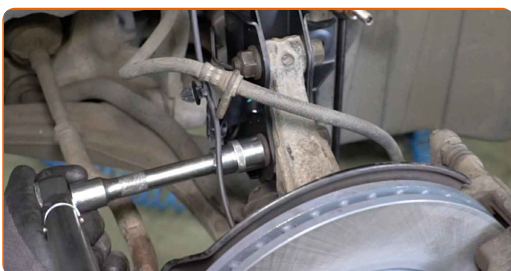
46 Fasten the suspension strut on the steering knuckle.



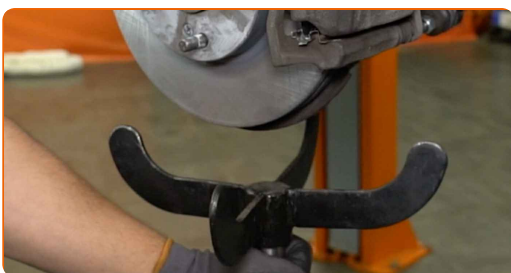
47 Install the fastening bolts.



48 Tighten the lower fasteners connecting the shock strut to the steering knuckle. Use a combination spanner #19. Use a drive socket #19. Use a torque wrench. Tighten it to 106 Nm torque.



49 Remove the support from under the steering knuckle.



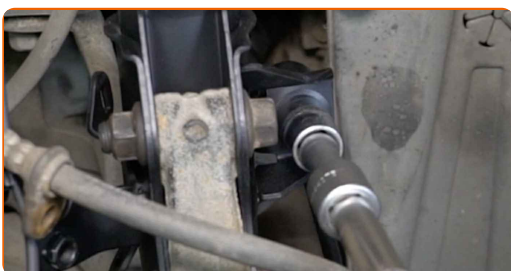
Replacement: suspension strut – Honda Civic 8. Tip:

- Lower the hydraulic transmission jack smoothly, without jerks, to avoid damaging assemblies and mechanisms.

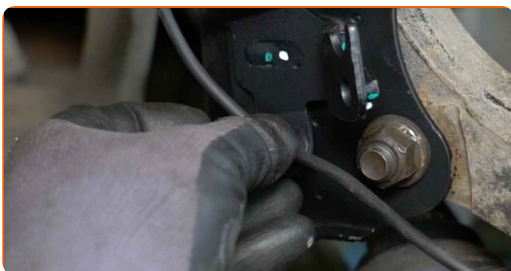
50 Reconnect the sway bar link to the suspension strut.



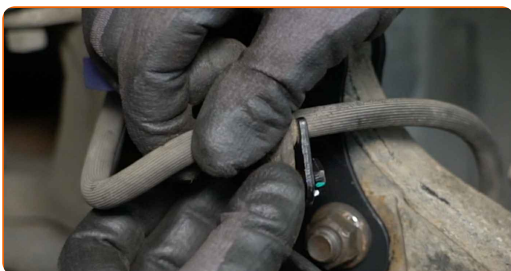
51 Tighten the fastener connecting the stabilizer link to the shock strut. Use a drive socket #17. Use a torque wrench. Tighten it to 30 Nm torque.



52 Connect the ABS sensor wiring.

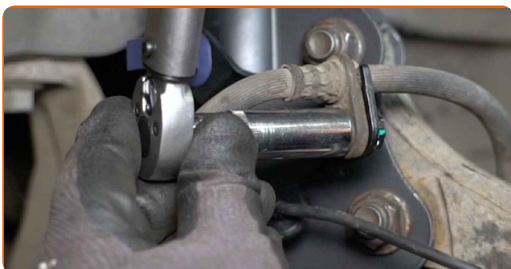


53 Install the brake hose bracket.

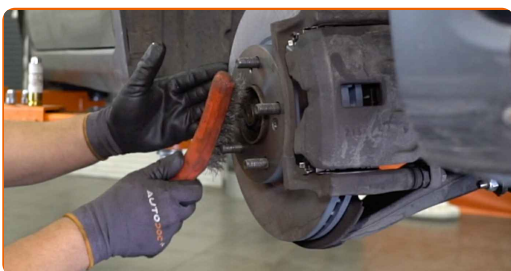


54 Install the fastening bolt.

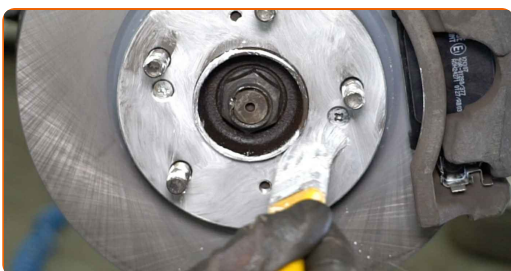
- 55** Tighten the fastener connecting the brake hose bracket to the suspension strut. Use a drive socket #12. Use a torque wrench. Tighten it to 15 Nm torque.



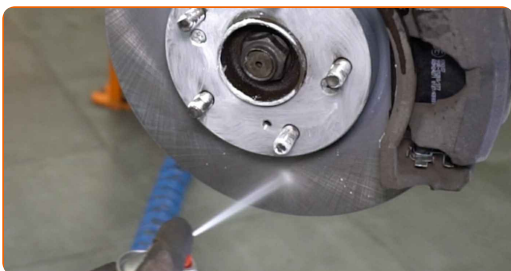
- 56** Clean the wheel rim mounting seat. Use a wire brush.



- 57** Treat the surface where the brake disc contacts the wheel rim. Use ceramic grease.



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



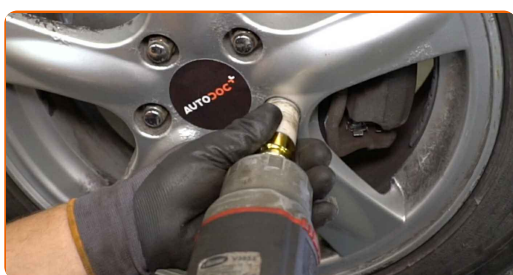
59 Install the wheel.



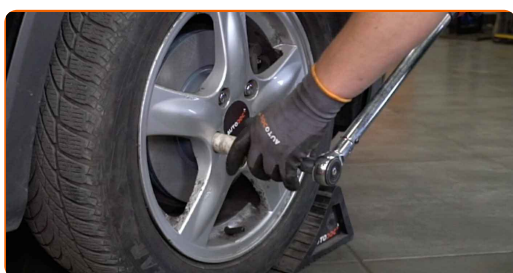
AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. Honda Civic 8

60 Screw in the wheel bolts. Use wheel impact socket #19. Use a ratchet wrench.



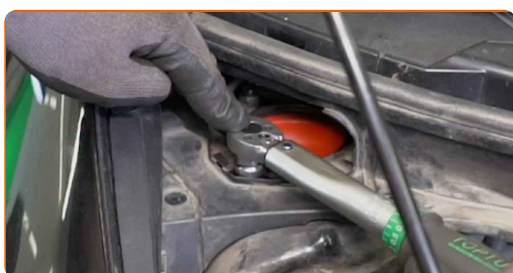
61 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #19. Use a torque wrench. Tighten it to 108 Nm torque.



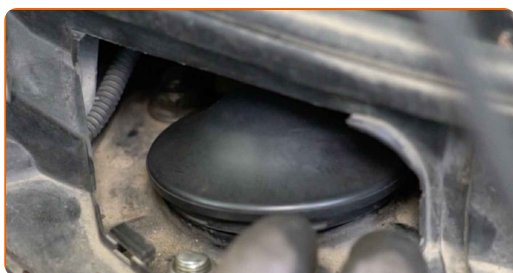
62 Remove the jacks and chocks.



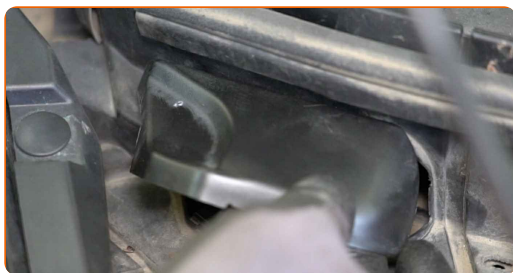
63 Tighten the upper fasteners of the shock strut. Use a drive socket #14. Use a torque wrench. Tighten it to 54 Nm torque.



64 Install the cap on the suspension strut mount.



65 Install the plastic panel.



66 Remove the fender protection cover.

67

Close the bonnet.



WELL DONE! 

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