



How to change front coil
springs 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)

The steps may slightly vary depending on the car design.

REPLACEMENT: COIL SPRINGS – HONDA CR-V II.

TOOLS YOU NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Drive socket # 10
- Drive socket # 12
- Drive socket # 14
- 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
- Flat Screwdriver
- Fender cover
- Wheel chock

BUY TOOLS

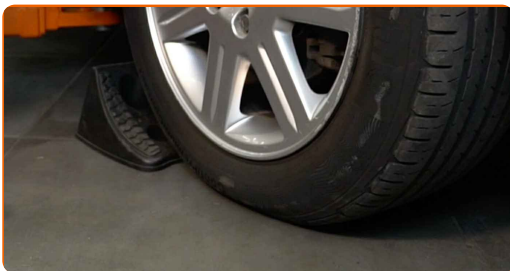
Replacement: coil springs – Honda CR-V II. Tip from AUTODOC experts:

- Both coil springs of the front suspension should be replaced simultaneously.
- The replacement procedure is identical for the left and right coil springs 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:

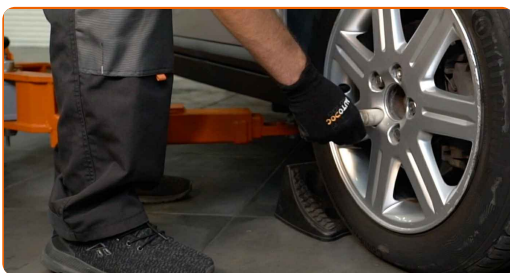
1

Secure the wheels with chocks.



2

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



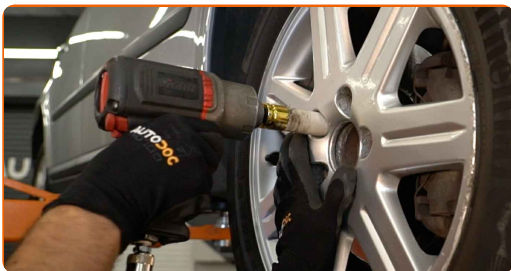
3

Raise the front of the car and secure on supports.



4

Unscrew the wheel bolts.

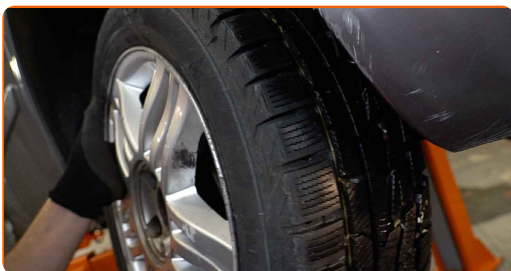


AUTODOC recommends:

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

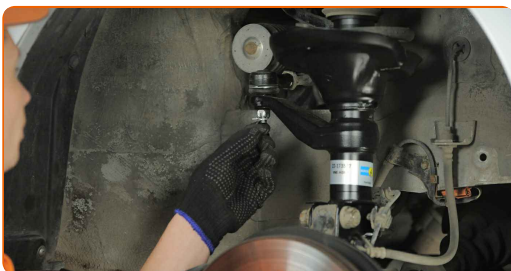
5

Remove the wheel.



6

Remove the cotter pin. Use nippers.



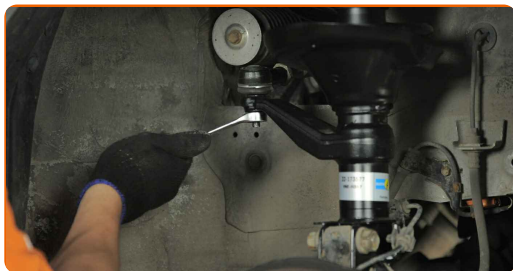
7

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



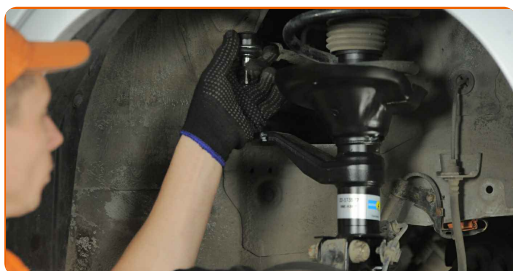
8

Unscrew the end fastening nut to the steering knuckle. Use a combination spanner #17.



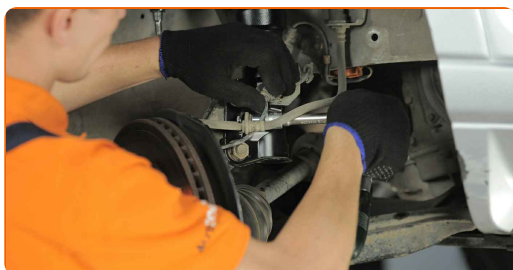
9

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



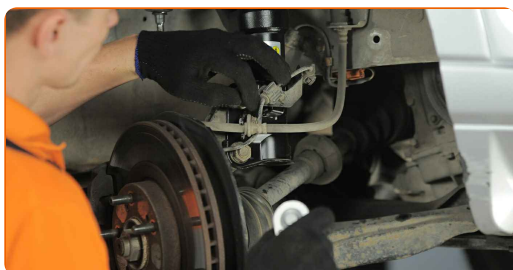
10

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



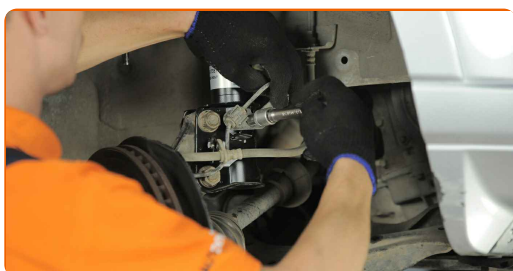
11

Remove the bracket from the shock absorber strut.



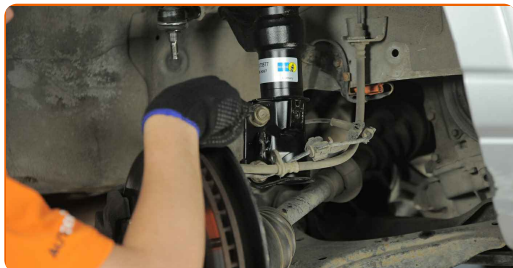
12

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

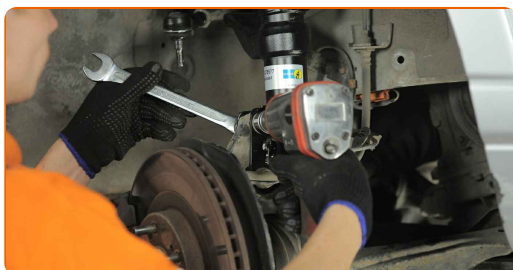


13 Remove the ABS wiring harness bracket.

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).



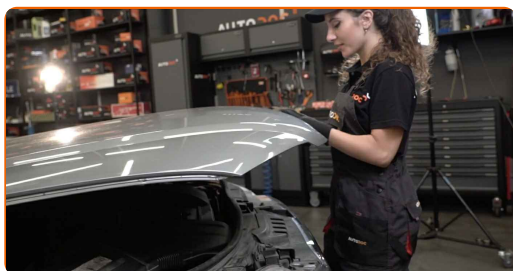
17 Disconnect the steering knuckle from the shock absorber strut.



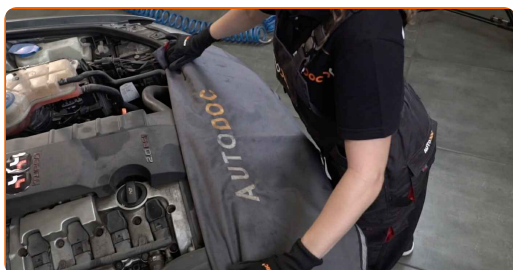
18 Lower the car.



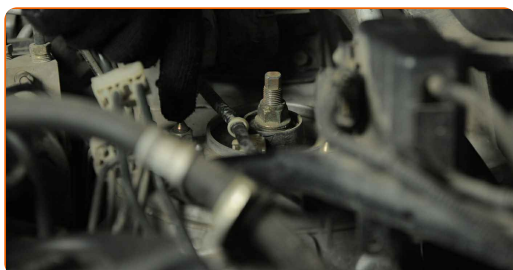
19 Open the bonnet.



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

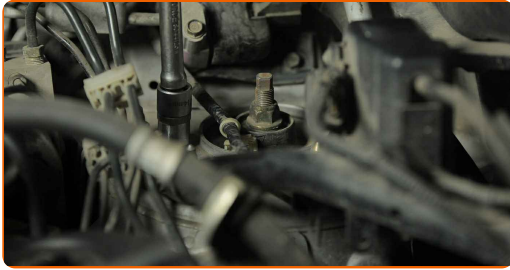


21 Clean the fasteners of the shock strut upper mount. Use a wire brush. Use WD-40 spray.



22

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



AUTODOC recommends:

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

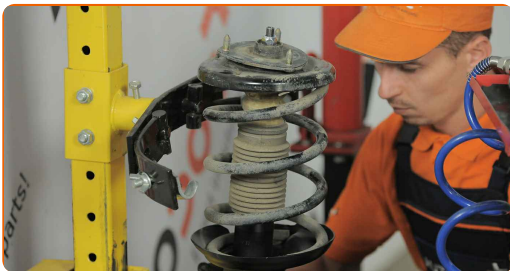
23

Remove the suspension strut.



24

Set the shock absorber strut on the spring compressor tool.



Replacement: coil springs – Honda CR-V II. List of the tools you'll need:

- 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.



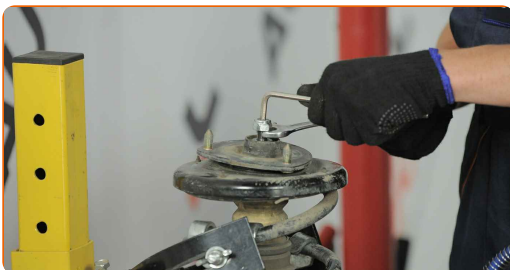
26

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



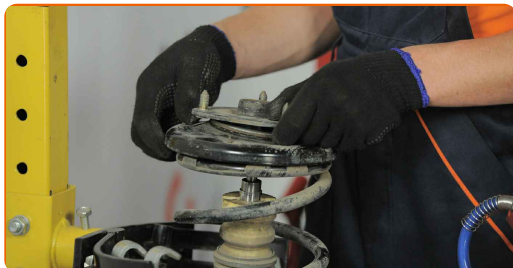
27

Remove the strut piston rod nut. Use a combination spanner #19. Use HEX No.H7. Use a ratchet wrench.



28 Release the coil spring.

29 Remove the top strut mount. Use a flat screwdriver.



30 Remove the spring.



AUTODOC recommends:

- Replacement: coil springs – Honda CR-V II. Carefully inspect the mount, the boot, and the bump stop of the shock absorber. Replace if necessary.

31 Install the spring on the shock absorber.



- 32** Install the upper strut mount and the strut mount bearing.



- 33** Compress the spring.



- 34** Tighten the shock strut piston rod nut. Use a combination spanner #19. Use HEX No.H7. Use a torque wrench. Tighten it to 44 Nm torque.



Replacement: coil springs – Honda CR-V II. Tip:

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

- 35** Decompress the spring.

- 36** Treat the shock strut rod. Use copper grease.

37

Remove the assembled shock strut.



38

Install the shock strut into the wheel arch.



39

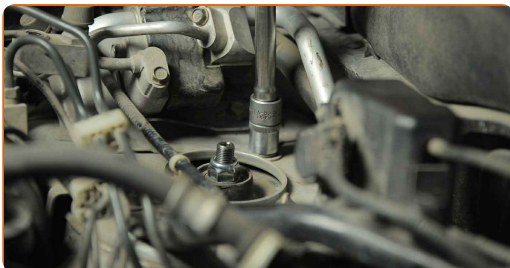
Screw the top fastening of the shock strut mount.

AUTODOC recommends:

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

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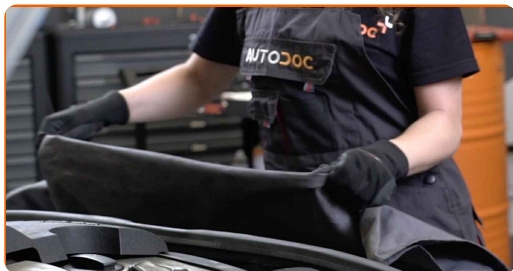
Tighten the upper fastener of the shock absorber strut mount. Use a drive socket #14. Use a torque wrench. Tighten it to 44 Nm torque.



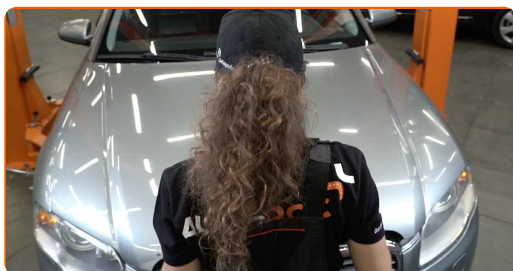
41

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

42 Remove the fender protection cover.



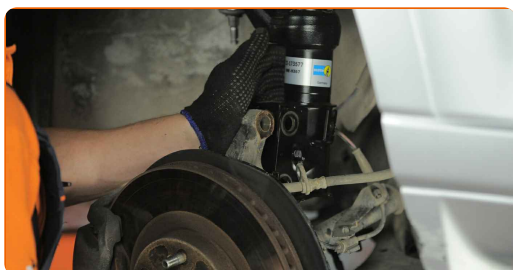
43 Close the hood.



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



45 Fix the shock absorber strut on the steering knuckle.



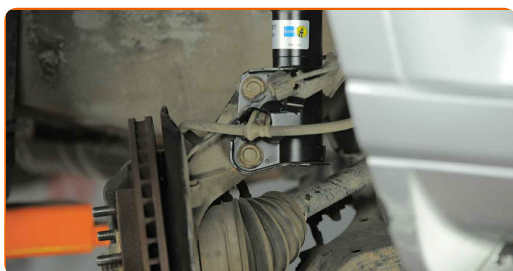
46 Install the fastening bolts (2 pieces).



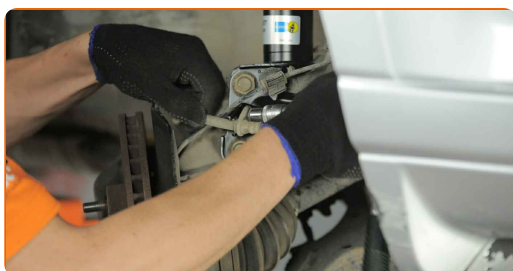
- 47** Tighten the lower fasteners connecting the shock strut to the steering knuckle. Use a combination spanner #19. Use a drive socket #22. Use a torque wrench. Tighten it to 157 Nm torque.



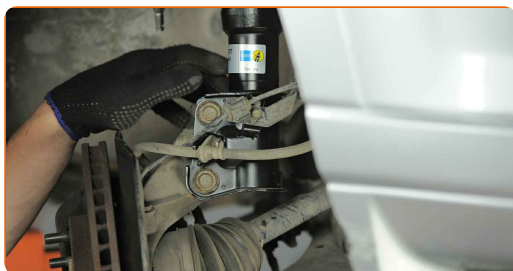
- 48** Install the bracket onto the shock absorber strut.



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



- 50** Install the ABS wiring harness bracket.



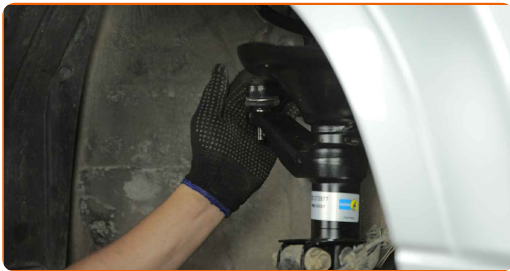
51

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



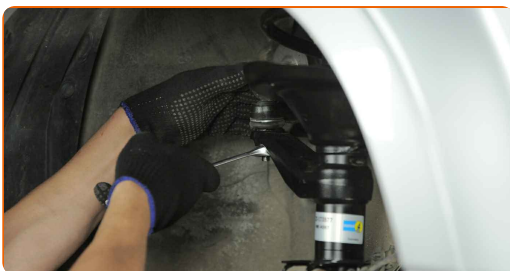
52

Connect the tie rod end to the steering knuckle.



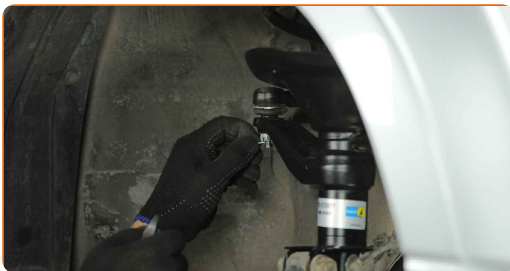
53

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.



54

Install the cotter pin. Use nippers.

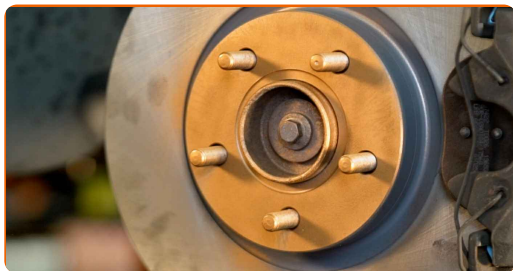


55

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

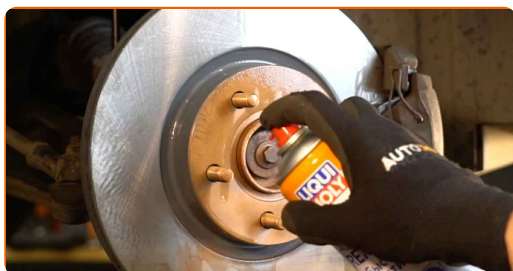
56

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



57

Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- After applying the spray, wait a few minutes.

58

Install the wheel.



AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. Honda CR-V II

59

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



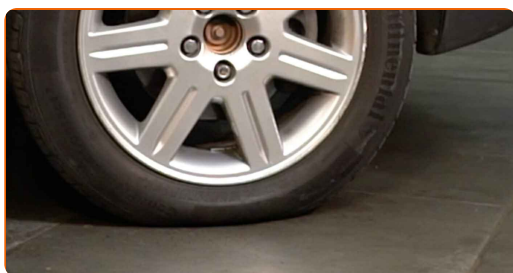
60

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.



61

Remove the jacks and chocks.



WELL DONE! 

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