



How to change front coil
springs on **Fiat Bravo 2** –
replacement guide

VIDEO TUTORIAL

**i Important!**

This replacement procedure can be used for:
FIAT Bravo II Hatchback (198) 1.6 D Multijet

The steps may slightly vary depending on the car design.

REPLACEMENT: COIL SPRINGS – FIAT BRAVO 2. TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- Copper grease
- HEX bit No.H6
- Combination spanner #15
- Combination spanner #17
- Combination spanner #19
- Drive socket # 15
- Drive socket # 17
- Drive socket # 19
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Tap wrench
- Crow bar
- Hydraulic strut spring compressor
- Hydraulic transmission jack
- Fender cover
- Wheel chock

[BUY TOOLS](#)

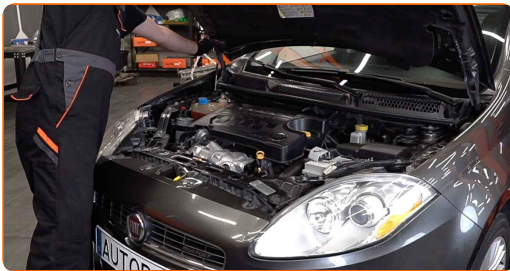
Replacement: coil springs – Fiat Bravo 2. AUTODOC experts recommend:

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

REPLACEMENT: COIL SPRINGS – FIAT BRAVO 2. USE THE FOLLOWING PROCEDURE:

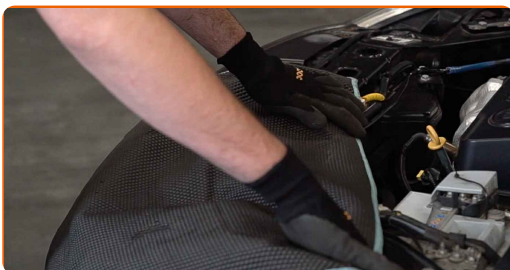
1

Open the bonnet.



2

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



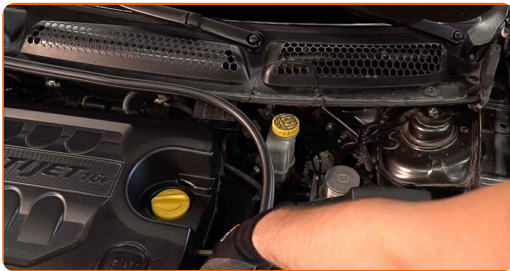
3

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



4

Remove the rubber strip.



5

Loosen the upper fastener of the shock strut mount. Use a combination spanner #19.



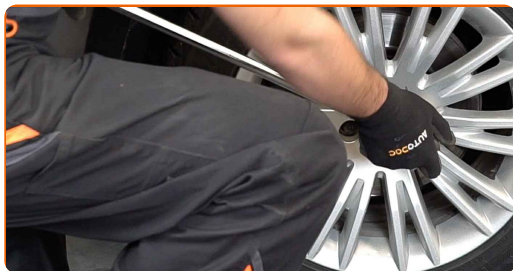
6

Secure the wheels with chocks.



7

Loosen the wheel mounting bolts. Use wheel impact socket #17.



8

Raise the front of the car and secure on supports.



9

Unscrew the wheel bolts.

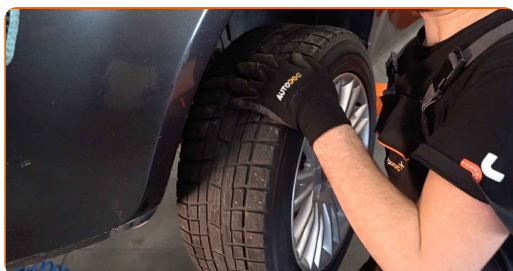


Replacement: coil springs – Fiat Bravo 2. AUTODOC experts recommend:

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

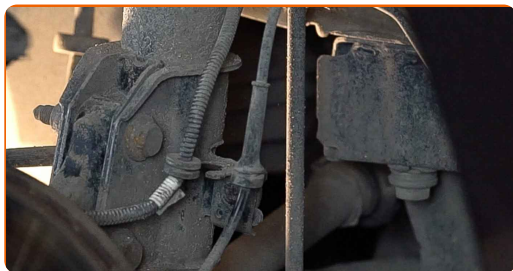
10

Remove the wheel.



11

Disconnect the wiring and the brake hose from the bracket on the shock strut. Use a crowbar.



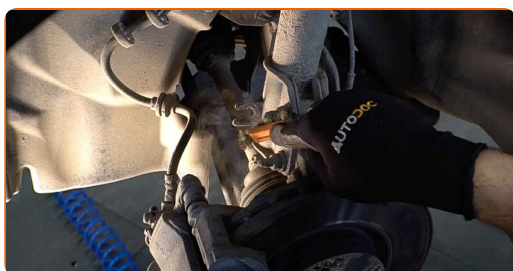
12.1

Clean the fasteners connecting the stabiliser link to the shock strut, and those connecting the shock strut to the steering knuckle.



12.2

Use a wire brush. Use WD-40 spray.



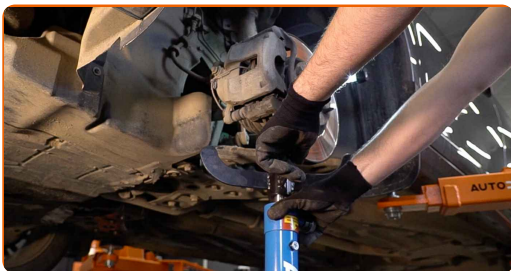
13

Unscrew the nut and remove the stabilizer rod from the shock strut. Use a combination spanner #17. Use a ratchet wrench.



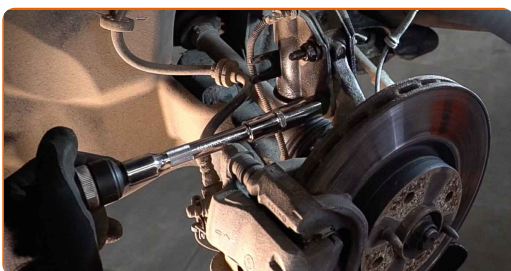
14

Prop up the steering knuckle. Use a hydraulic transmission jack.



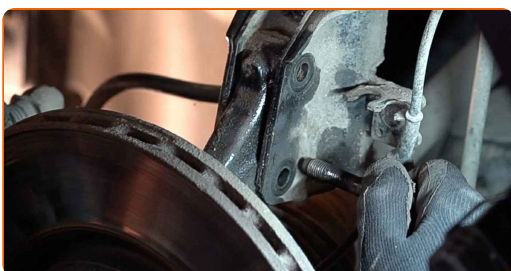
15

Unscrew the lower fastener connecting the shock strut to the steering knuckle. Use a combination spanner #15. Use a drive socket #17. Use a tap wrench.



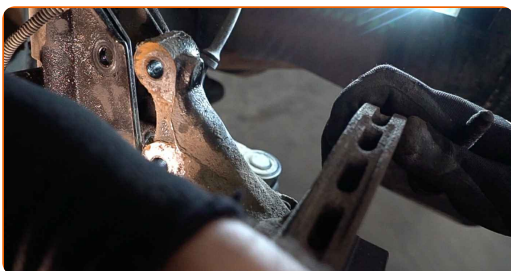
16

Remove the fastening bolts.



17

Disconnect the steering knuckle from the shock absorber strut.



18

Unscrew the top fastening of the shock strut mount. Use a drive socket #19. Use a ratchet wrench.



AUTODOC recommends:

- Fiat Bravo 2 – To avoid injury, hold the suspension strut while unscrewing the fastening bolts.

19

Remove the suspension strut.



20

Set the shock absorber strut on the spring compressor tool.



Replacement: coil springs – Fiat Bravo 2. Tip from AUTODOC:

- 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.

21

Compress the spring.



22

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

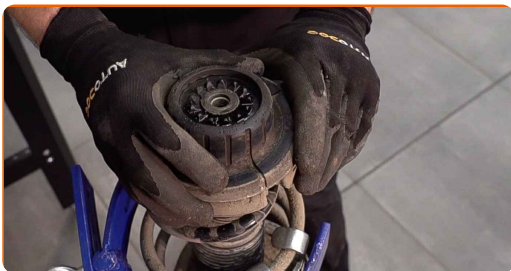


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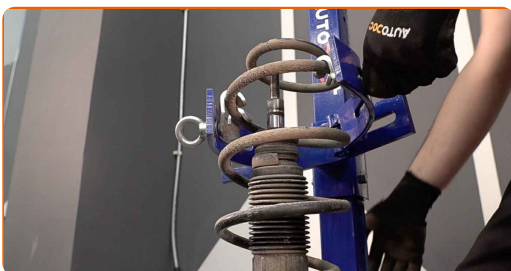
Remove the strut piston rod nut. Use a combination spanner #19. Use HEX No.H6. Use a ratchet wrench.



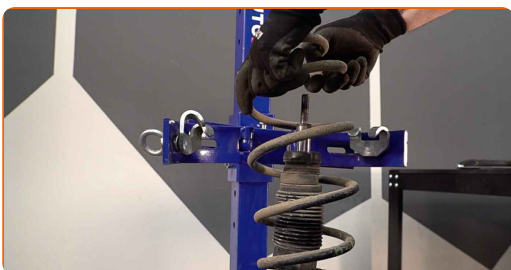
24 Remove the top strut mount.



25 Release the coil spring.



26 Remove the spring.



AUTODOC recommends:

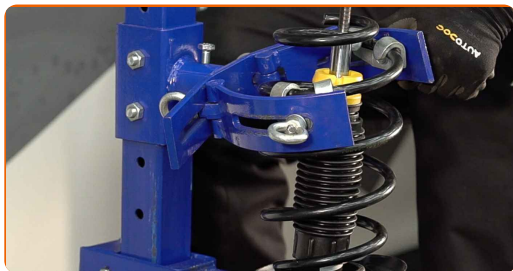
- Replacement: coil springs – Fiat Bravo 2. Carefully inspect the mount, the boot, and the bump stop of the shock absorber. Replace if necessary.

27 Install the spring on the shock absorber.



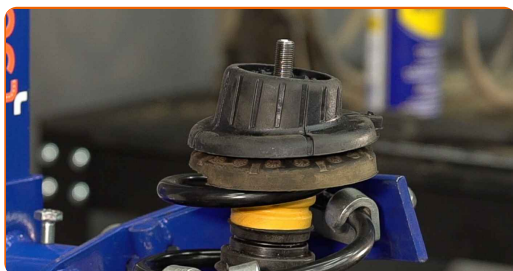
28

Compress the spring.



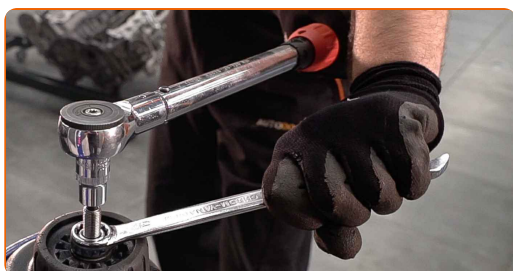
29

Install the upper strut mount and the strut mount bearing.



30

Tighten the shock strut piston rod nut. Use a combination spanner #19. Use HEX No.H6. Use a torque wrench. Tighten it to 60 Nm torque.



Replacement: coil springs – Fiat Bravo 2. Professionals recommend:

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

31 Decompress the spring.



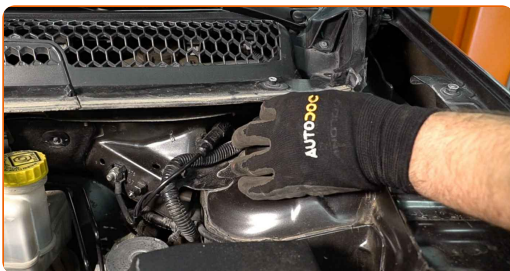
32 Remove the assembled shock strut.



33 Install the shock strut into the wheel arch.



34 Screw the top fastening of the shock strut mount. Do not tighten it.

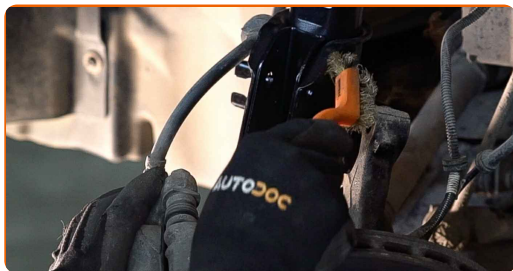


AUTODOC recommends:

- Fiat Bravo 2 – To avoid injury, hold the suspension strut while screwing in the fastening bolts.

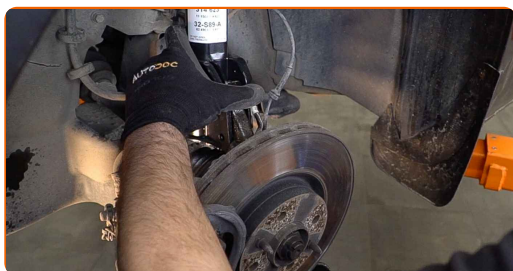
35

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



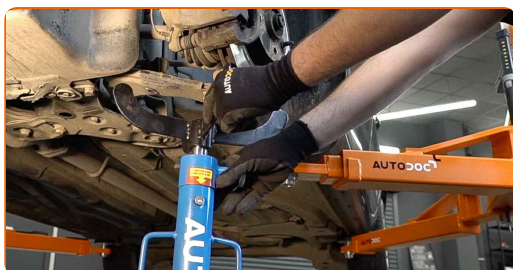
36

Fix the shock absorber strut on the steering knuckle.



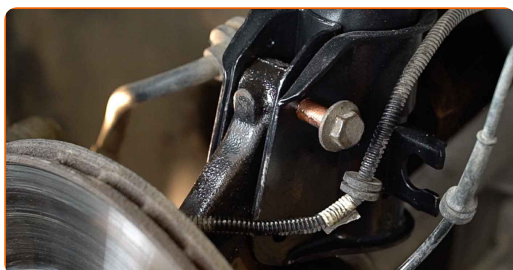
37

Raise the hydraulic transmission jack by 10-15 cm.



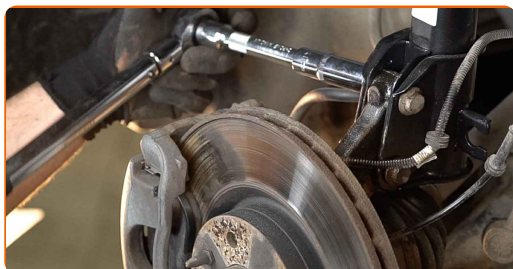
38

Install the fastening bolts.



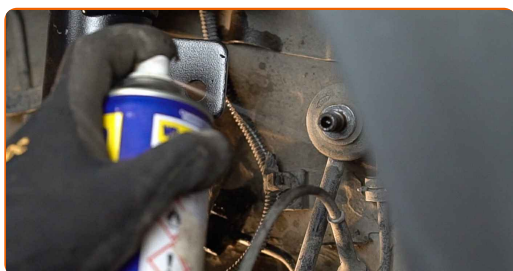
39

Tighten the lower fasteners connecting the shock strut to the steering knuckle. Use a drive socket #15. Use a drive socket #17. Use a combination spanner #15. Use a torque wrench. Tighten it to 70 Nm torque.



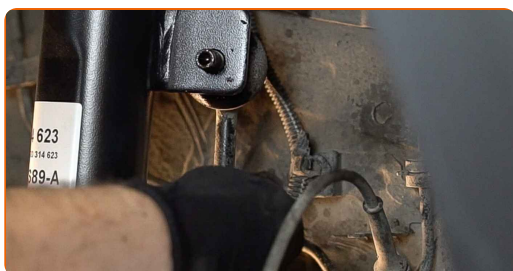
40

Treat all joints of the stabiliser link. Use WD-40 spray.



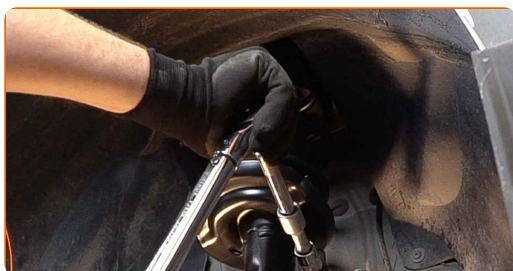
41

Install the transverse stabilizer link.



42

Tighten the fastener connecting the stabilizer link to the shock strut. Use a combination spanner #17. Use a torque wrench. Tighten it to 55 Nm torque.



43

Remove the support from under the steering knuckle.

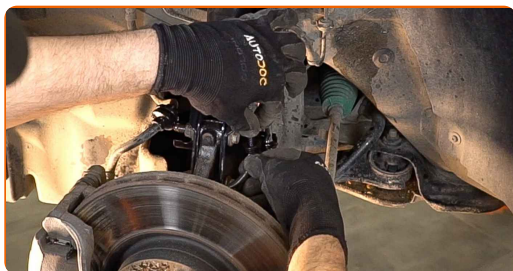


AUTODOC recommends:

- Replacement: coil springs – Fiat Bravo 2. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

44

Connect the fastener of the ABS sensor cable to the shock absorber strut. Fasten the brake hose on the strut.



45

Clean the wheel rim mounting seat. Use a wire brush. Treat the contacting surface. Use copper grease.

46

Install the wheel.



AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. Fiat Bravo 2

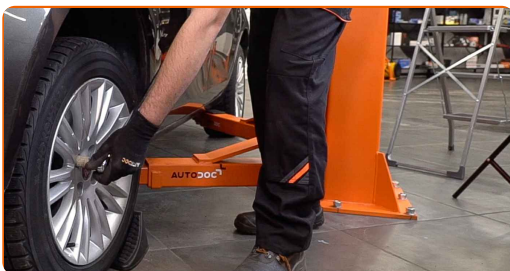
47

Screw in the wheel bolts. Use wheel impact socket #17.



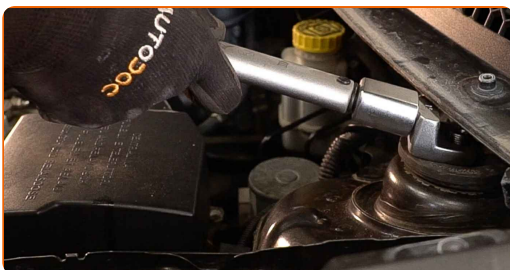
48

Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 120 Nm torque.



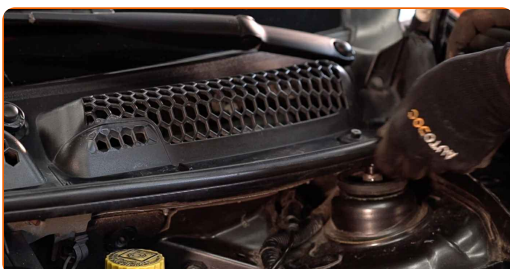
49

Tighten the upper fastener of the shock absorber strut mount. Use a drive socket #19. Use a torque wrench. Tighten it to 44 Nm torque.



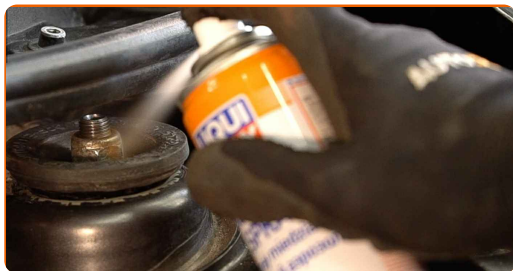
50

Install the rubber strip.

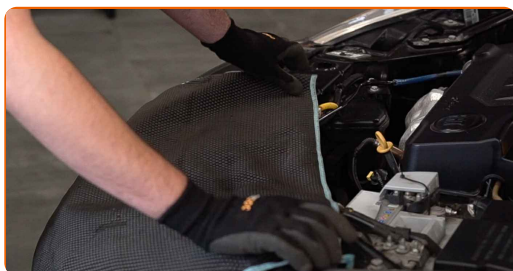


51

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

**52**

Remove the fender protection cover.

**53**

Close the hood.

**54**

Remove the jacks and chocks.



WELL DONE! 

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