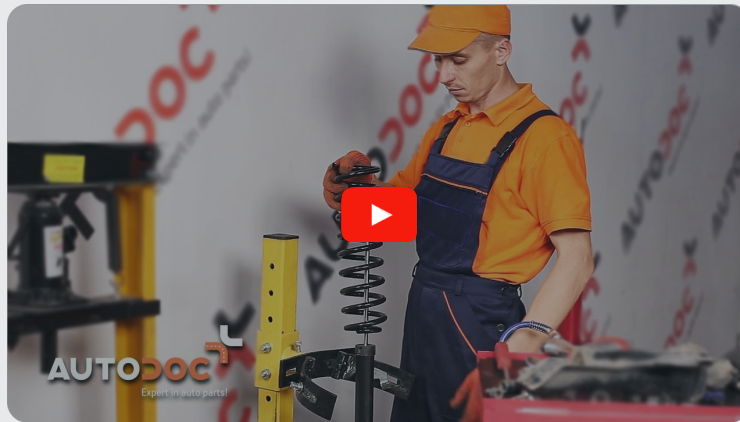




How to change rear coil  
springs on **Audi 80 B4** –  
replacement guide

## VIDEO TUTORIAL



### **ⓘ Important!**

This replacement procedure can be used for:

AUDI 80 B4 Saloon (8C2) 1.9 TD, AUDI 80 B4 Saloon (8C2) 1.9 TDI, AUDI 80 B4 Saloon (8C2) 1.6, AUDI 80 B4 Saloon (8C2) 1.6 E, AUDI 80 B4 Saloon (8C2) 2.0 E, AUDI 80 B4 Saloon (8C2) 2.0 E 16V, AUDI 80 B4 Saloon (8C2) 2.3 E, AUDI 80 B4 Saloon (8C2) 2.6, AUDI 80 B4 Saloon (8C2) 2.8

The steps may slightly vary depending on the car design.

REPLACEMENT: COIL SPRINGS – AUDI 80 B4. TOOLS YOU NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- High-temperature ceramic grease
- Combination spanner #17
- Combination spanner #24
- Drive socket # 17
- Drive socket # 24
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Adjustable wrench
- Pliers
- Hydraulic strut spring compressor
- Crow bar
- Hydraulic transmission jack
- Wheel chock

**BUY TOOLS**

Replacement: coil springs – Audi 80 B4. AUTODOC experts recommend:

- Both shock struts of the rear suspension should be replaced simultaneously.
- The replacement procedure is identical for the left and right shock struts of the rear suspension.
- All work should be done with the engine stopped.

## REPLACEMENT: COIL SPRINGS – AUDI 80 B4. RECOMMENDED SEQUENCE OF STEPS:

1

Secure the wheels with chocks.



2

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



3

Raise the rear 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.  
Audi 80 B4

5

Remove the wheel.



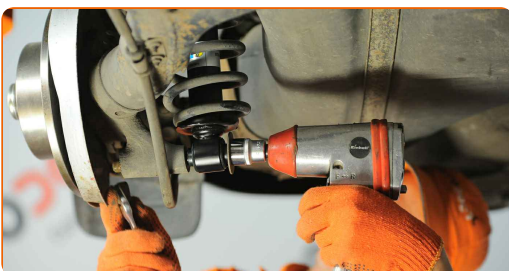
6

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



7

Unscrew the lower fastener of the shock absorber strut. Use a combination spanner #24. Use a drive socket #24. Use a ratchet wrench.

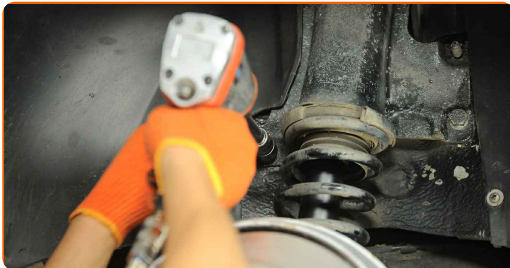


8

Remove the fastening bolt.

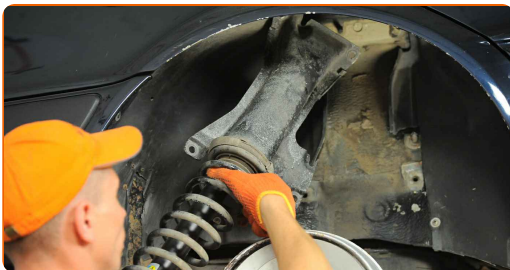
9

Unscrew the upper fasteners of the shock strut. Use a drive socket #17. Use a ratchet wrench.



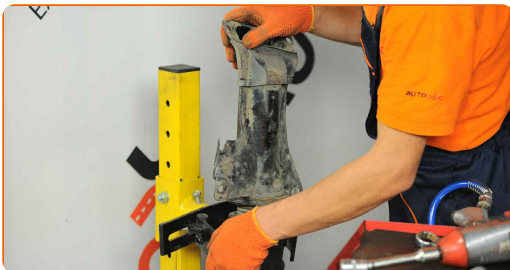
10

Remove the suspension strut.



11

Set the shock absorber strut on the spring compressor tool.



### Replacement: coil springs – Audi 80 B4. Tip:

- 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.

12 Compress the spring.

13 Remove the suspension strut mount cap. Use a crowbar.

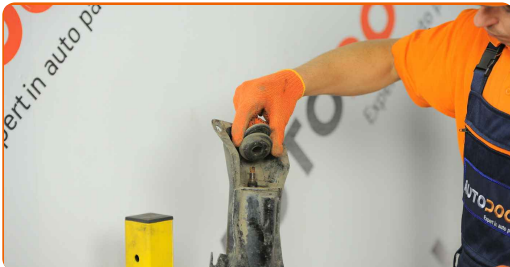


14 Treat the shock strut rod. Use a wire brush. Use WD-40 spray.

15 Remove the strut piston rod nut. Use a combination spanner #17. Use an adjustable wrench.



16 Remove the top strut mount.



**AUTODOC recommends:**

- Replacement: coil springs – Audi 80 B4. Carefully inspect the mount, the boot, and the bump stop of the shock absorber. Replace if necessary.

**17** Remove the shock absorber dust boot and bump stop.

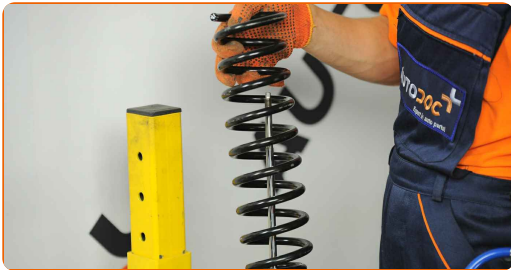


**18** Release the coil spring.

**19** Remove the spring.

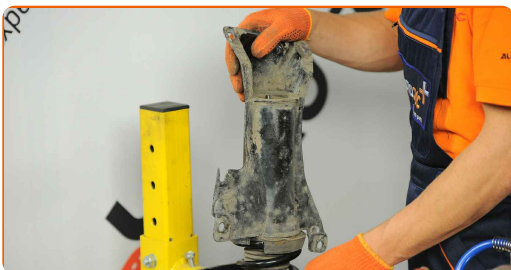


**20** Install the spring on the shock absorber.



**21** Install the dust boot and bump stop on the shock absorber.

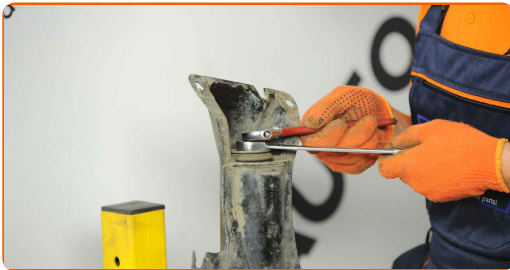
**22** Install the upper strut mount and the strut mount bearing. Use pliers.



**23** Compress the spring.



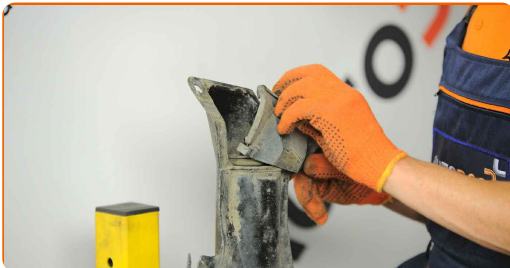
- 24 Tighten the shock strut piston rod nut. Use a combination spanner #17. Use an adjustable wrench. Use a torque wrench. Tighten it to 25 Nm torque.



Replacement: coil springs – Audi 80 B4. AUTODOC experts recommend:

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

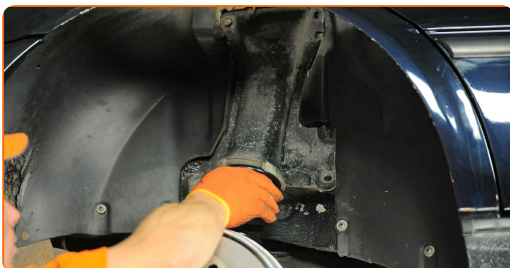
- 25 Install the suspension strut mount cap.



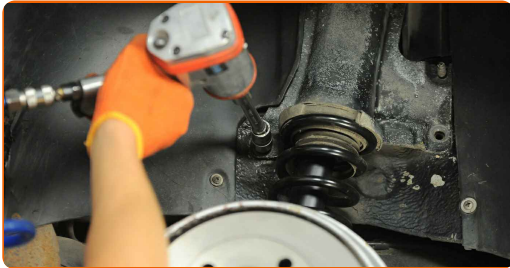
- 26 Decompress the spring.

- 27 Remove the assembled shock strut.

- 28 Install the shock strut into the wheel arch.



- 29** Tighten the upper fasteners of the shock strut. Use a drive socket #17. Use a torque wrench. Tighten it to 55 Nm torque.

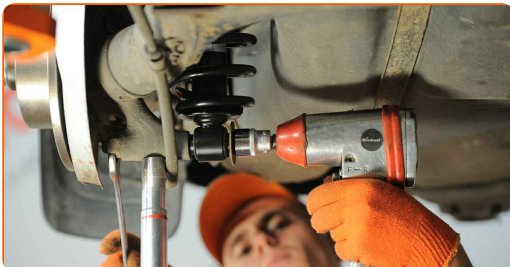


- 30** Install the fastening bolt.

- 31** Support the rear knuckle. Use a hydraulic transmission jack.



- 32** Tighten the lower fastener of the shock absorber. Use a combination spanner #24. Use a drive socket #24. Use a torque wrench. Tighten it to 110 Nm torque.



- 33** Remove the support from under the rear knuckle.



AUTODOC recommends:

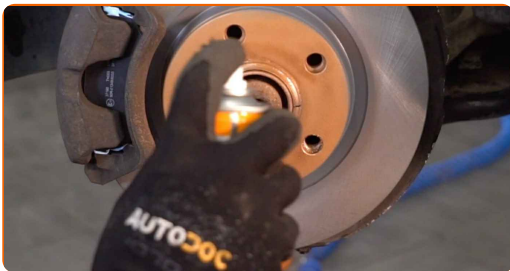
- Audi 80 B4 – Do not lower the transmission jack sharply to avoid damaging components and mechanisms of the car.

34

Treat the shock strut fasteners. Use copper grease.

35

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



36

Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- Replacement: coil springs – Audi 80 B4. After applying the spray, wait a few minutes.

37 Install the wheel.



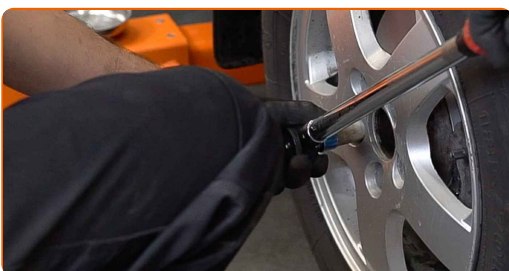
**AUTODOC recommends:**

- Important! Hold the wheel while screwing in the fastening bolts. Audi 80 B4

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

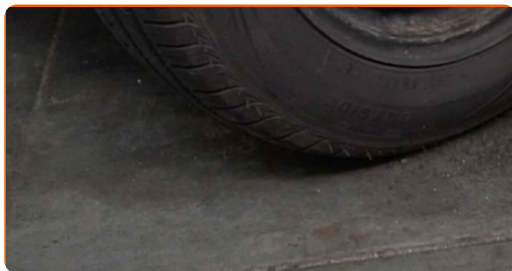


39 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 120 Nm torque.



40

Remove the jacks and chocks.



**WELL DONE!** 

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