



How to change rear coil
springs on **Audi A3 8L1** –
replacement guide

VIDEO TUTORIAL

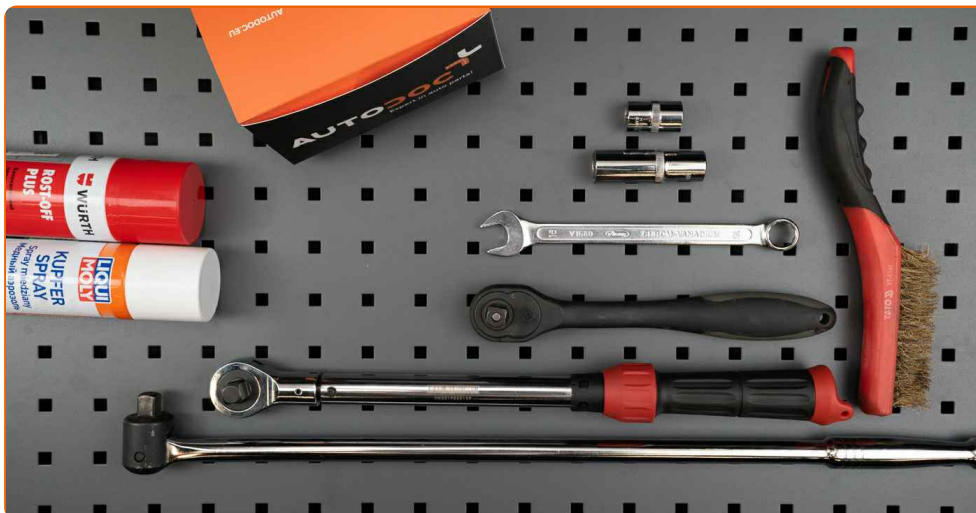
** Important!**

This replacement procedure can be used for:

AUDI A3 Hatchback (8L1) 1.6, AUDI A3 Hatchback (8L1) 1.8 T, AUDI A3 Hatchback (8L1) 1.9 TDI

The steps may slightly vary depending on the car design.

REPLACEMENT: COIL SPRINGS – AUDI A3 8L1. TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- Copper grease
- Drive socket # 16
- Combination spanner #16
- Torque wrench
- Wheel impact socket #17
- Hydraulic transmission jack
- Wheel chock

BUY TOOLS

Replacement: coil springs – Audi A3 8L1. Tip from AUTODOC:

- Both coil springs of the rear suspension should be replaced simultaneously.
- The replacement procedure is identical for the left and right coil springs of the rear suspension.
- Please note: all work on the car – Audi A3 8L1 – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1

Secure the wheels with chocks.



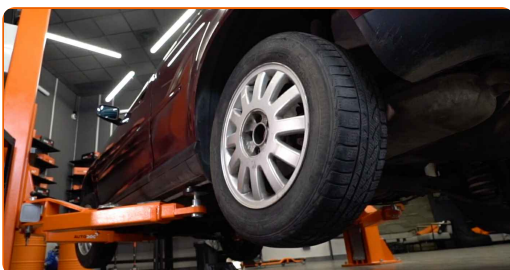
2

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



3

Raise the rear of the car and secure on supports.



4

Unscrew the wheel bolts.

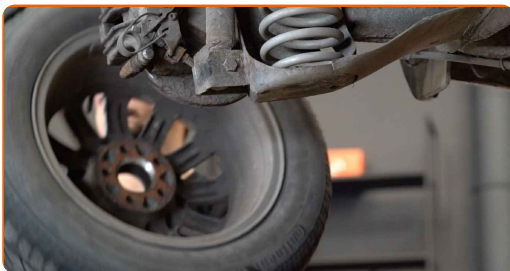


Replacement: coil springs – Audi A3 8L1. AUTODOC experts recommend:

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

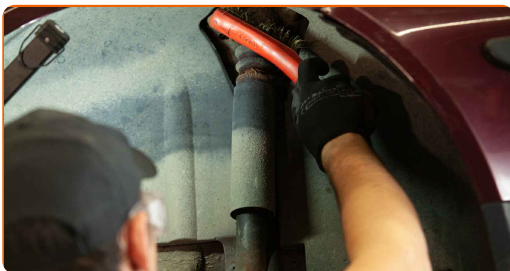
5

Remove the wheel.



6

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

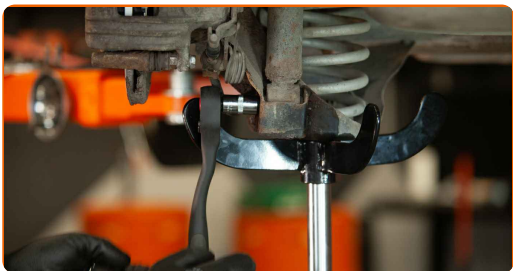


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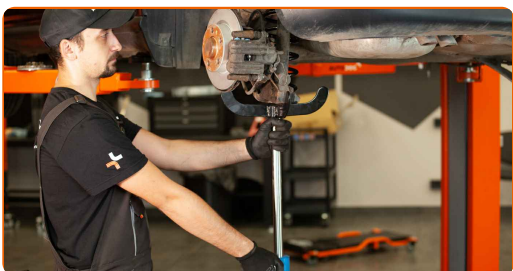
Support the arm. Use a hydraulic transmission jack.



8 Unscrew the lower fastener of the shock absorber. Use a combination spanner #16. Use a drive socket #16.



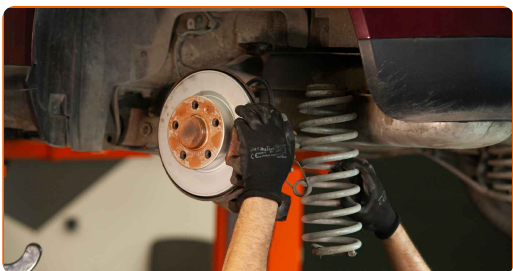
9 Remove the support from under the rear arm.



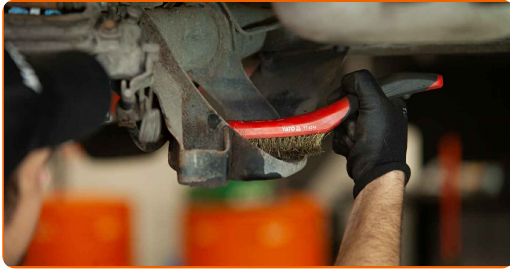
Replacement: coil springs – Audi A3 8L1. Professionals recommend:

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

10 Take out the spring.



11 Clean the coil spring mounting seats.



12 Inspect the rubber mounts of the suspension spring. Replace if necessary.

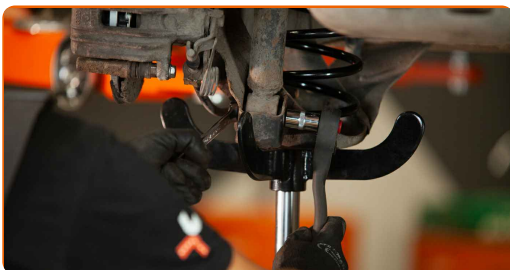
13 Install the coil spring together with the rubber mounts into the mounting seats.



14 Support the arm. Use a hydraulic transmission jack.

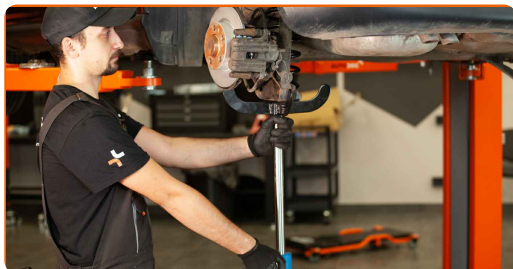


15 Tighten the lower fastener of the shock absorber. Important! Be sure to use new fasteners. Use a combination spanner #16. Use a drive socket #16. Use a torque wrench. Tighten it to 40 Nm torque.+90°



16

Remove the support from under the rear arm.



Replacement: coil springs – Audi A3 8L1. Professionals recommend:

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

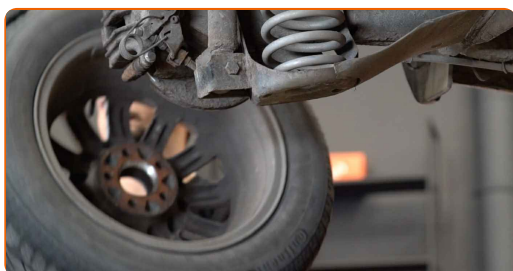
17

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



18

Install the wheel.



AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. Audi A3 8L1

19

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



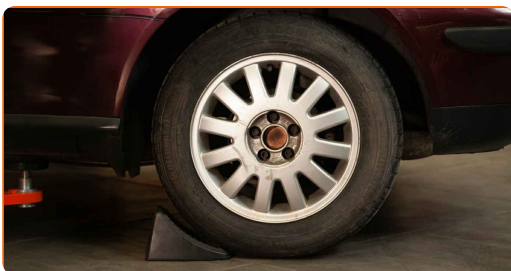
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Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 120 Nm torque.



21

Remove the jacks and chocks.



WELL DONE! 

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