



How to change rear
suspension strut on **Audi**
A4 B5 saloon –
replacement guide

VIDEO TUTORIAL



Important!

This replacement procedure can be used for:

AUDI A4 Saloon (8D2, B5) 1.8, AUDI A4 Saloon (8D2, B5) 1.8 T, AUDI A4 Saloon (8D2, B5) 2.6, AUDI A4 Saloon (8D2, B5) 1.9 TDI, AUDI A4 Saloon (8D2, B5) 2.8 (ACK,ALG,AMX,APR,AQD,AHA), AUDI A4 Saloon (8D2, B5) 2.4, AUDI A4 Saloon (8D2, B5) 2.5 TDI, AUDI A4 Saloon (8D2, B5) 1.6, AUDI A4 Saloon (8D2, B5) 2.8

The steps may slightly vary depending on the car design.

REPLACEMENT: SUSPENSION STRUT – AUDI A4 B5 SALOON. LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Torque wrench
- Combination spanner #16
- Drive socket # 13
- Drive socket # 16
- Drive socket # 17
- Shock absorber socket DD#5,2
- Wheel impact socket #17
- Ratchet wrench
- Clip removal tool
- Hydraulic strut spring compressor
- Hydraulic transmission jack
- Crow bar
- Wheel chock

BUY TOOLS

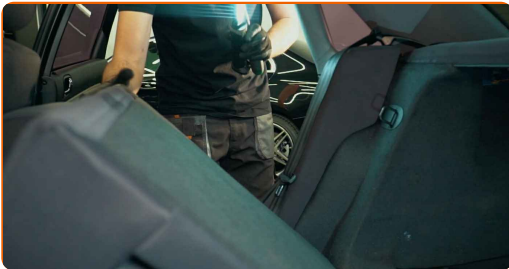
Replacement: suspension strut – Audi A4 B5 saloon. AUTODOC experts recommend:

- 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: SUSPENSION STRUT – AUDI A4 B5 SALOON. USE THE FOLLOWING PROCEDURE:

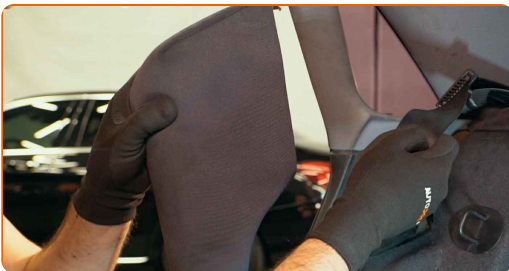
1

Remove the rear seat backrest.



2

Remove the side plastic cover.

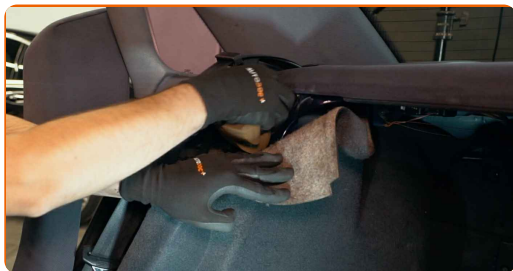


3

Remove the retainer of the side trim panel. Use a clip removal tool.



4 Move the side trim panel aside.

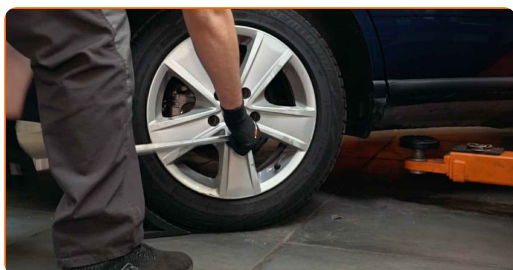


5 Loosen the upper fasteners of the suspension strut. Use a drive socket #13. Use a ratchet wrench.

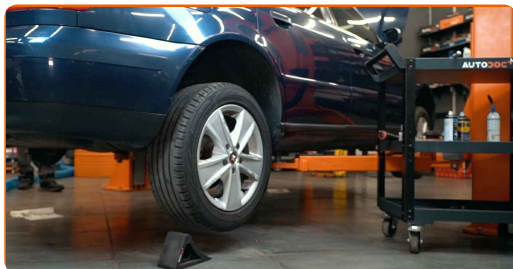


6 Secure the wheels with chocks.

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



8 Raise the rear of the car and secure on supports.



9 Unscrew the wheel bolts.

AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. Audi A4 B5 saloon

10

Remove the wheel.



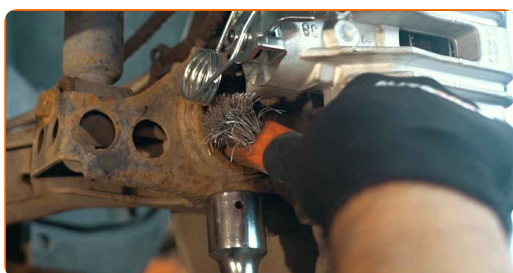
11

Support the rear suspension beam. Use a hydraulic transmission jack.



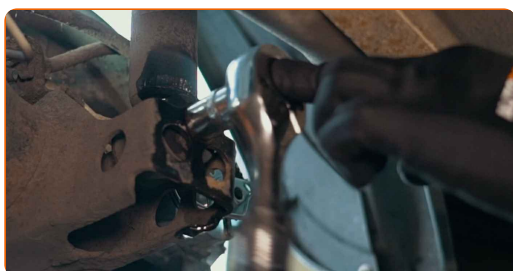
12

Clean the lower fastener connecting the suspension strut to the steering knuckle. Use a wire brush. Use WD-40 spray.



13

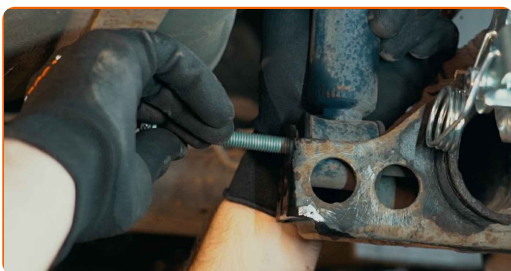
Unscrew the lower fastener connecting the shock strut to the steering knuckle. Use a combination spanner #16. Use a drive socket #16. Use a ratchet wrench.



14 Lower the hydraulic transmission jack by 10-15 cm.



15 Remove the fastening bolt.

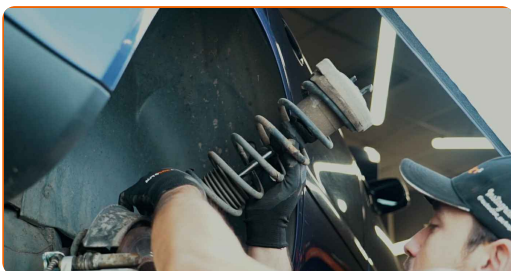


16 Unscrew the upper fasteners of the shock strut.

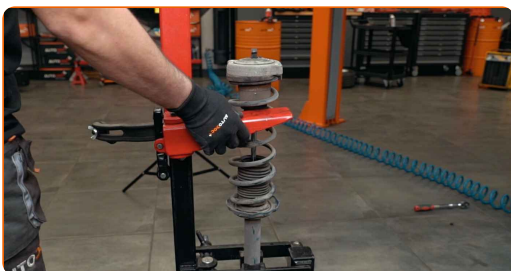
AUTODOC recommends:

- Important! Hold the suspension strut while unscrewing the fastening bolts. Audi A4 B5 saloon

17 Remove the suspension strut. Use a crowbar.



18 Set the shock absorber strut on the spring compressor tool.

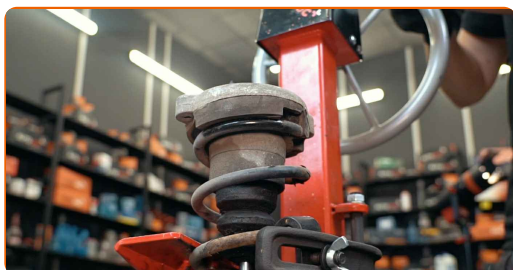


Replacement: suspension strut – Audi A4 B5 saloon. Tip:

- 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.

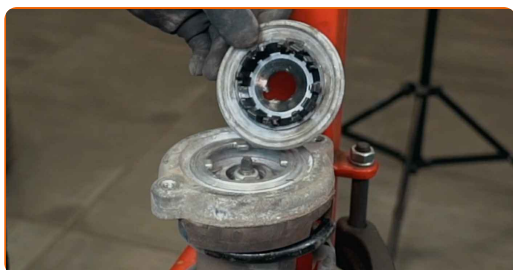
19

Compress the spring.



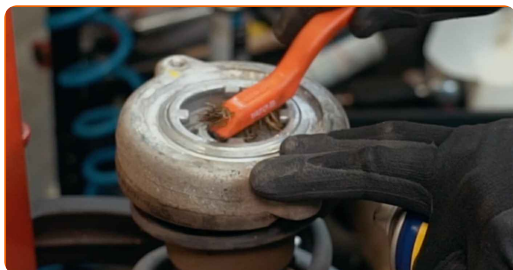
20

Remove the shock strut mount cap. Use a crowbar.



21

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

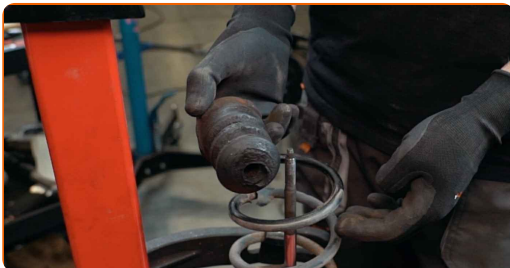


- 22 Remove the strut piston rod nut. Use a drive socket #17. Use a shock absorber socket DDN°5,2. Use a ratchet wrench.



- 23 Remove the top strut mount.

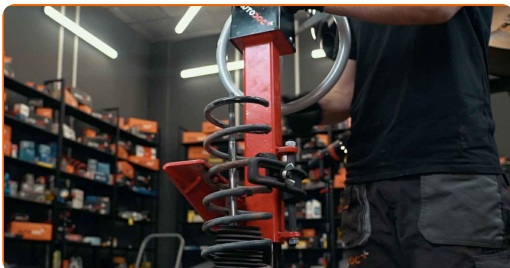
- 24 Remove the shock absorber dust cap and the bump stop.



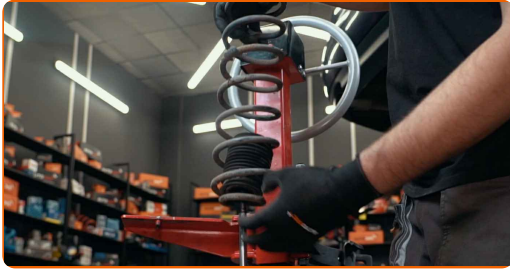
AUTODOC recommends:

- Replacement: suspension strut – Audi A4 B5 saloon. Carefully inspect the mount, the boot, and the bump stop of the shock absorber. Replace if necessary.

- 25 Release the coil spring.



26 Remove the spring.

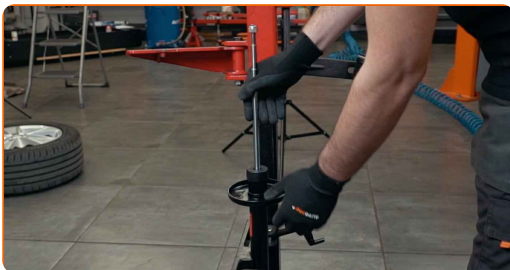


27 Remove the old shock absorber from the hydraulic coil spring compressor.

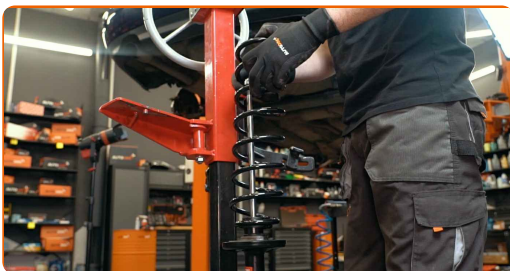
Replacement: suspension strut – Audi A4 B5 saloon. AUTODOC experts recommend:

- Before installing a new shock absorber you should pump it manually 3-5 times.

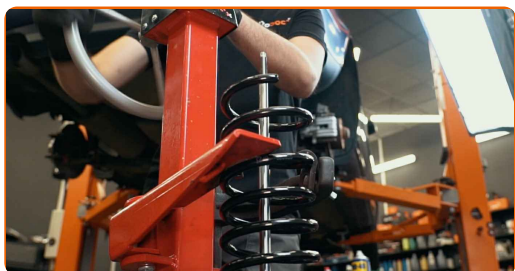
28 Install the new shock absorber on the hydraulic coil spring compressor.



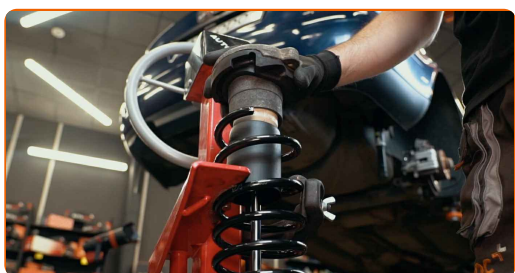
29 Install the spring on the shock absorber.



30 Compress the spring.



31 Install the dust sleeve and the bump stop on the new shock absorber.



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



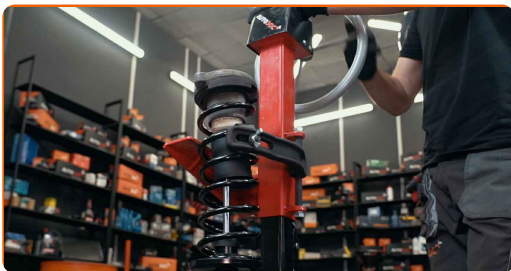
33 Tighten the shock strut piston rod nut. Use a drive socket #16. Use a shock absorber socket DDN^o5,2. Use a torque wrench. Tighten it to 25 Nm torque.



Replacement: suspension strut – Audi A4 B5 saloon. Tip:

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

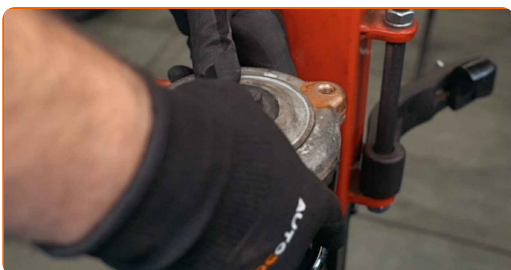
34 Decompress the spring.



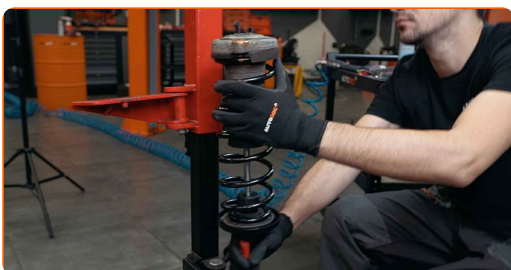
35 Treat the shock strut rod. Use copper grease.



36 Install the shock strut mount cap.



37 Remove the assembled shock strut.



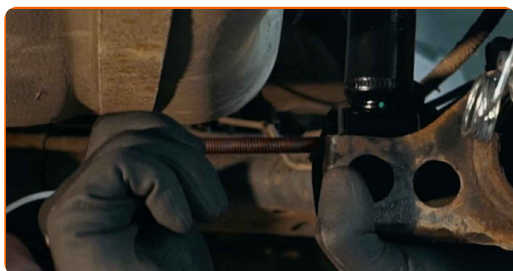
38 Clean the mounting seats of the shock strut. Use a wire brush. Use WD-40 spray.



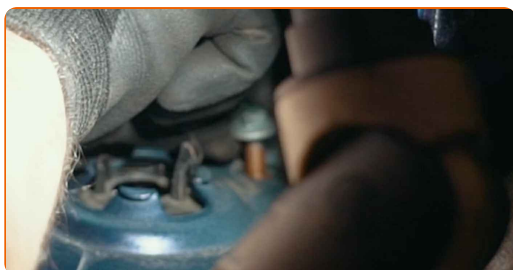
39 Install the shock strut into the wheel arch. Use a crowbar.



40 Install the fastening bolt.



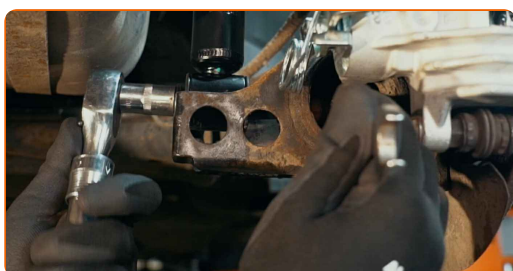
41 Secure the upper fasteners of the shock strut. Do not tighten it.



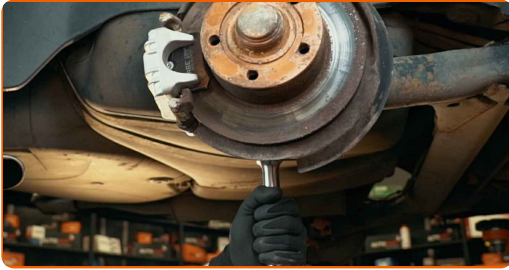
AUTODOC recommends:

- Audi A4 B5 saloon – To avoid injury, hold the suspension strut while screwing in the fastening bolts.

42 Screw in the lower fastener of the shock strut. Use a combination spanner #16. Use a drive socket #16. Use a ratchet wrench.



43 Raise the hydraulic transmission jack by 10-15 cm.



44 Tighten the lower fastening of the shock absorber. Use a combination spanner #16. Use a drive socket #16. Use a torque wrench. Tighten it to 50 Nm torque. +90°



AUTODOC recommends:

- Important! Be sure to use new fasteners.

45 Remove the support from under the rear axle beam.



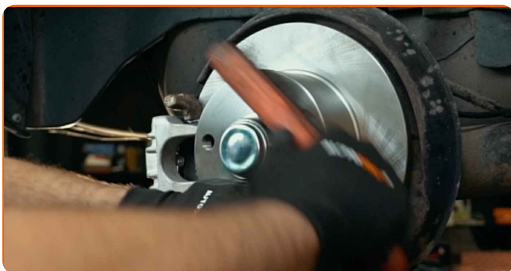
AUTODOC recommends:

- Replacement: suspension strut – Audi A4 B5 saloon. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

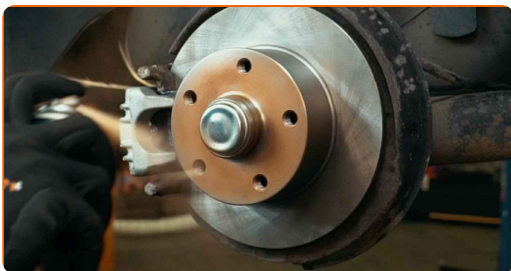
46 Treat the shock strut fasteners. Use copper grease.



47 Clean the wheel rim mounting seat. Use a wire brush.



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



49 Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- Replacement: suspension strut – Audi A4 B5 saloon. After applying the spray, wait a few minutes.

50

Install the wheel.

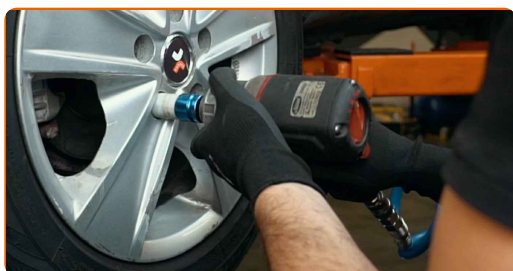


AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. Audi A4 B5 saloon

51

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

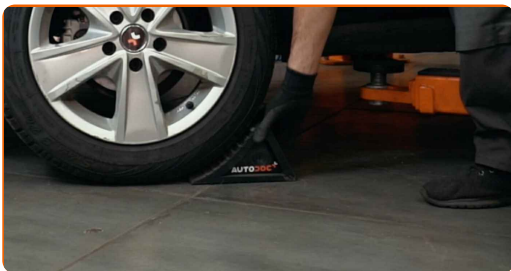


52

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.



53 Remove the jacks and chocks.



54 Tighten the upper fasteners of the shock strut. Use a drive socket #13. Use a torque wrench. Tighten it to 25 nm torque.

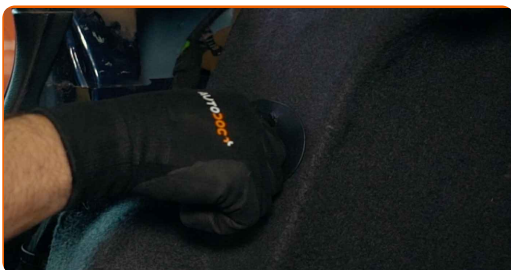


55 Treat the fasteners of the shock strut mount. Use copper grease.

56 Return the side trim panel to its initial position.



57 Install the side trim panel retainer.



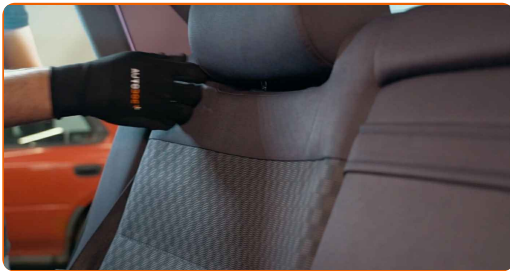
58

Install the side plastic panel.



59

Reinstall the rear seat backrest.



WELL DONE! 

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