



How to change rear
shock absorbers on **AUDI**
A3 Limousine (8YS) –
replacement guide

SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

Important!

This replacement procedure can be used for:

AUDI A3 Limousine (8YS) 30 TDI, AUDI A3 Limousine (8YS) 35 TDI, AUDI A3 Limousine (8YS) 35 TFSI Mild Hybrid, AUDI A3 Limousine (8YS) 35 TFSI, AUDI A3 Limousine (8YS) 30 TFSI, AUDI A3 Limousine (8YS) 30 TFSI Mild Hybrid, AUDI A3 Limousine (8YS) S3 quattro, AUDI A3 Limousine (8YS) 40 TDI quattro

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: VW Golf VII Hatchback (5G1, BQ1, BE1, BE2) 1.8 TSI

REPLACEMENT: SHOCK ABSORBERS – AUDI A3 LIMOUSINE (8YS). TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Ceramic grease
- Copper grease
- Torque wrench
- Combination spanner #18
- Drive socket # 13
- Drive socket # 16
- Drive socket # 18
- Shock absorber socket DD#5,2
- Shock absorber socket DD#6
- Torx bit T25
- Wheel impact socket #17
- Ratchet wrench
- Vice
- Crow bar
- Hydraulic transmission jack
- Wheel chock

Buy tools

Replacement: shock absorbers – AUDI A3 Limousine (8YS). AUTODOC experts recommend:

- Both shock absorbers of the rear suspension should be replaced simultaneously.
- The replacement procedure is identical for the left and right shock absorbers of the rear suspension.
- Please note: all work on the car – AUDI A3 Limousine (8YS) – 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 car.

Replacement: shock absorbers – AUDI A3 Limousine (8YS). AUTODOC experts recommend:

- If you are using a jack, make sure it rests on a flat surface without any unevenness.
- Be sure to additionally secure the car with jack stands.

4 Unscrew the wheel bolts.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.
AUDI A3 Limousine (8YS)

5 Remove the wheel.



6 Clean the lower shock absorber fastener. Use a wire brush. Use WD-40 spray.



7 Support the rear knuckle. Use a hydraulic transmission jack.



- 8 Unscrew the lower fastener of the shock absorber. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.



- 9 Clean the locker fasteners. Use a wire brush.



- 10 Unscrew the locker fasteners. Use Torx T25. Use a ratchet wrench.



- 11 Move the locker aside to gain access to the upper shock absorber fasteners.



12 Clean the charcoal canister fastener. Use a wire brush. Use WD-40 spray.



13 Unscrew the charcoal canister fastener. Use a drive socket #13. Use a ratchet wrench.



14 Move the charcoal canister aside to gain access to the upper shock absorber fasteners.



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



16 Unscrew the shock absorber mount fasteners. Use a drive socket #16. Use a ratchet wrench.



17 Remove the fastening bolts.



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



19 Remove the fastening bolt.



20 Remove the shock absorber.



21

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



22

Grip the shock absorber in a vice.



23

Remove the shock absorber mount cap. Use a crowbar.



24

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



- 25** Remove the fastener of the shock absorber piston rod. Use a drive socket #16. Use a shock absorber socket DDN^o5,2. Use a ratchet wrench.



- 26** Remove the shock absorber mount, boot and bump stop.



AUTODOC recommends:

- Replacement: shock absorbers – AUDI A3 Limousine (8YS). Carefully inspect the mount, the boot, and the bump stop of the shock absorber. Replace if necessary.

- 27** Install the mount, dust boot, and bump stop on a new shock absorber.



AUTODOC recommends:

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

- 28 Tighten the shock absorber rod nut. Use a drive socket #16. Use a shock absorber socket DDN#6. Use a torque wrench. Tighten it to 25 Nm torque.



- 29 Treat the shock absorber rod fastener. Use copper grease.



- 30 Install the shock absorber mount cap.



- 31 Release the vice and take out the shock absorber.



- 32 Place the shock absorber in the wheel arch and secure it.



33 Install the fastening bolt.



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



35 Install the fastening bolts.



36 Tighten the shock absorber mount fasteners. Use a drive socket #16. Use a torque wrench. Tighten it to 50 Nm torque. +45°



37 Treat the shock absorber mount fasteners. Use copper grease.



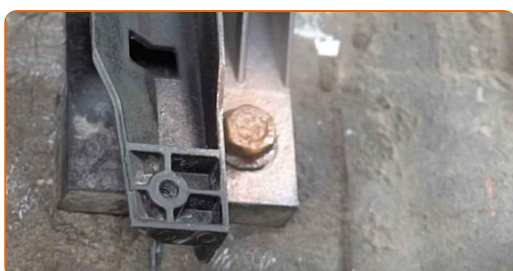
38 Reinstall the charcoal canister.



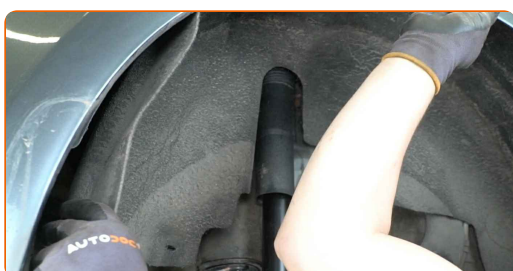
39 Tighten the charcoal canister fastener. Use a drive socket #13. Use a torque wrench. Tighten it to 12 Nm torque.



40 Treat the charcoal canister fastener. Use copper grease.



41 Install the wheel arch cover to its mounting seat.



42 Screw in the locker fasteners. Use Torx T25. Use a ratchet wrench.



AUTODOC recommends:

- For tightening the fasteners correctly, you have to jack up the suspension components to their working position.

43 Tighten the lower fastener of the shock absorber. Use a combination spanner #18. Use a drive socket #18. Use a torque wrench. Tighten it to 70 Nm torque. +180°



AUTODOC recommends:

- Important! Be sure to use new fasteners.

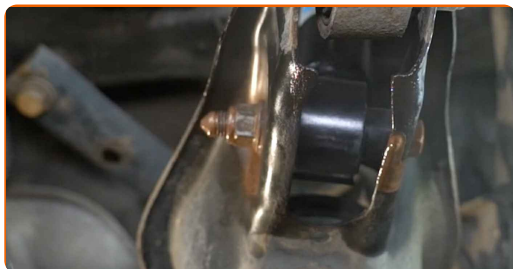
44 Remove the support from under the rear knuckle.



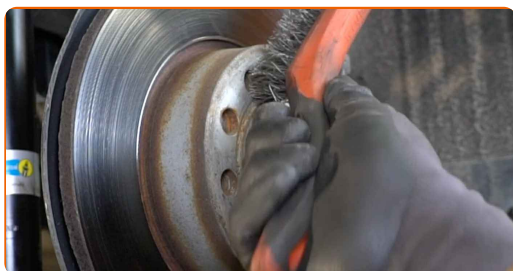
AUTODOC recommends:

- Replacement: shock absorbers – AUDI A3 Limousine (8YS). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

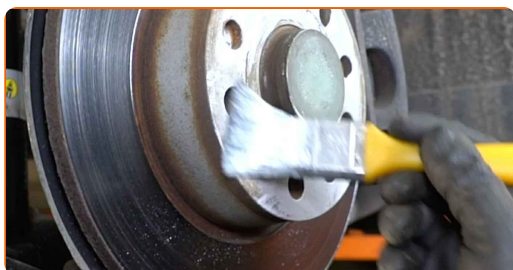
45 Treat the shock absorber fasteners. Use copper grease.



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



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



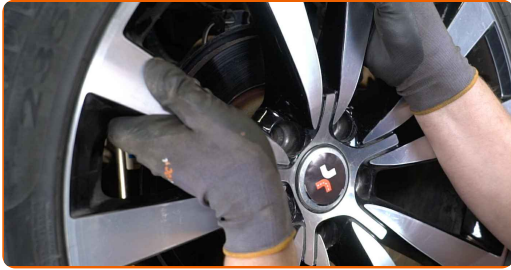
48 Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- Replacement: shock absorbers – AUDI A3 Limousine (8YS). After applying the spray, wait a few minutes.

49 Install the wheel.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. AUDI A3 Limousine (8YS)

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



51 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.



52

Remove the jacks and chocks.



WELL DONE! 

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