



How to change rear
shock absorbers on **AUDI**
A1 Sportback (8XA, 8XF)
– 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 A1 Sportback (8XA, 8XF) 1.2 TFSI, AUDI A1 Sportback (8XA, 8XF) 1.4 TFSI, AUDI A1 Sportback (8XA, 8XF) 1.6 TDI, AUDI A1 Sportback (8XA, 8XF) 2.0 TDI

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: SKODA Fabia I Combi (6Y5) 1.2

REPLACEMENT: SHOCK ABSORBERS – AUDI A1 SPORTBACK (8XA, 8XF). TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- Copper grease
- Combination spanner #16
- Combination spanner #17
- Drive socket # 16
- Torx bit T25
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Adjustable wrench
- Vice
- Hydraulic transmission jack
- Wheel chock

Buy tools

Replacement: shock absorbers – AUDI A1 Sportback (8XA, 8XF). Tip from AUTODOC:

- 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.
- Warning! Shut down the engine before starting any work – AUDI A1 Sportback (8XA, 8XF).

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.

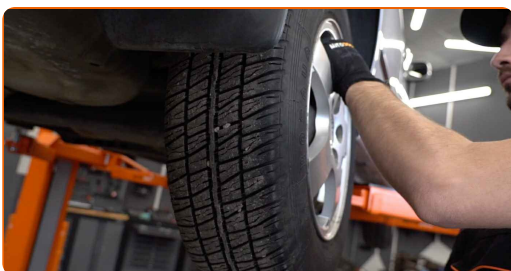


Replacement: shock absorbers – AUDI A1 Sportback (8XA, 8XF). AUTODOC recommends:

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

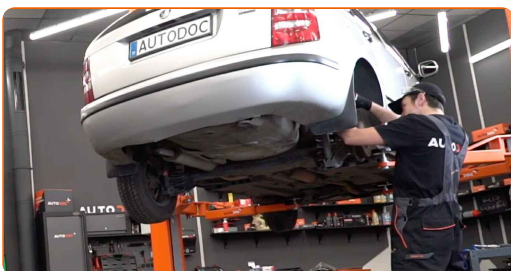
5

Remove the wheel.



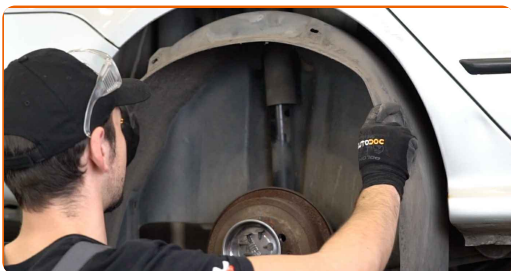
6

Unscrew and remove the wheel arch cover fasteners. Use Torx T25.

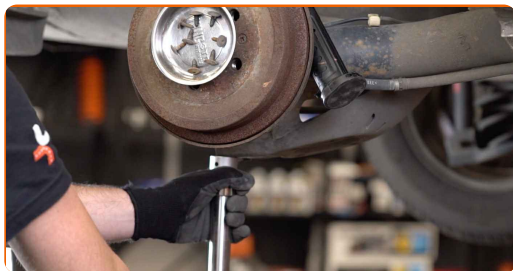


7

Remove the wheel arch cover.



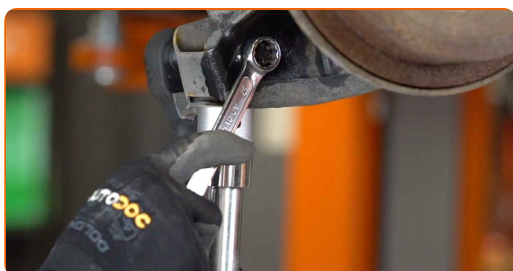
8 Secure the rear axle beam. Use a hydraulic transmission jack.



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



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



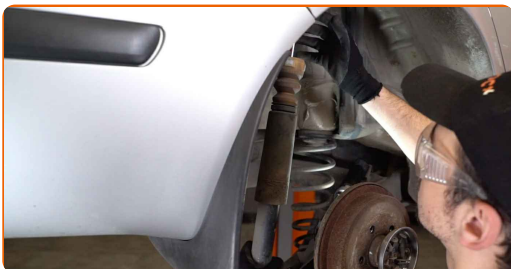
11 Unscrew the upper fastener of the shock absorber. Use a drive socket #16. Use a ratchet wrench.



Replacement: shock absorbers – AUDI A1 Sportback (8XA, 8XF). Tip:

- To avoid injuries, hold the shock absorber when undoing the fastening bolts.

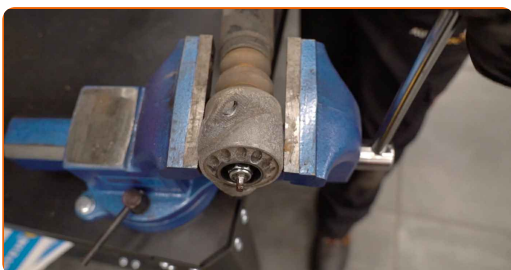
12 Remove the shock absorber.



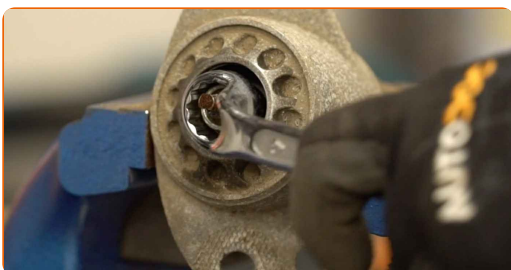
13 Clean the shock absorber rod fastener. Use a wire brush. Use WD-40 spray.



14 Grip the shock absorber in a vice.



15 Remove the shock absorber piston rod fastening. Use a combination spanner #17. Use an adjustable wrench.



16

Release the vice and take out the shock absorber.



17

Remove the shock absorber mount, boot and bump stop.

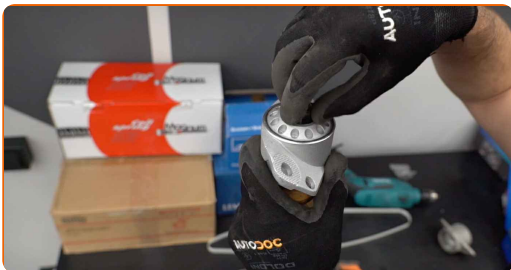


AUTODOC recommends:

- Replacement: shock absorbers – AUDI A1 Sportback (8XA, 8XF). Carefully inspect the mount, the boot, and the bump stop of the shock absorber. Replace if necessary.
- Before installing a new shock absorber you should pump it manually 3-5 times.

18

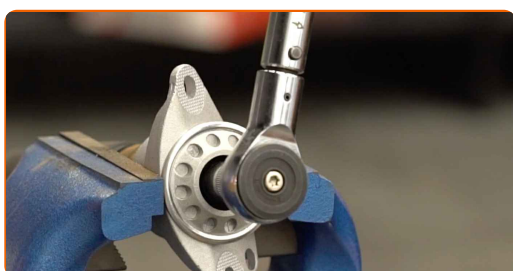
Install the mount, boot and bump stop onto a new shock absorber.



19 Grip the shock absorber in a vice.



20 Screw the shock strut piston rod upper fastening. Use a combination spanner #17. Use an adjustable wrench. Use a torque wrench. Tighten it to 25 Nm torque.



21 Release the vice and take out the shock absorber.



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



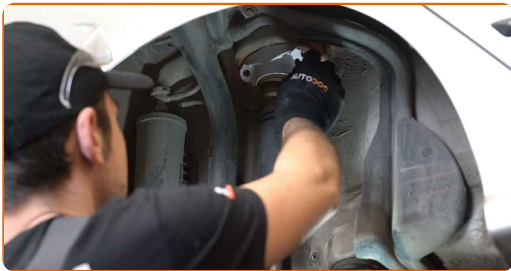
23

Treat the shock absorber mounting seats. Use copper grease.



24

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

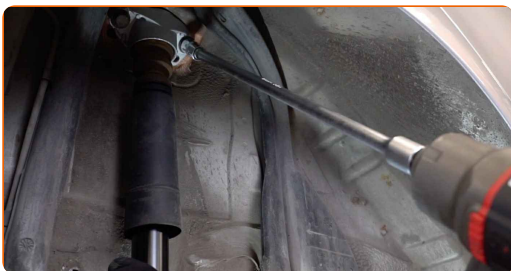


Replacement: shock absorbers – AUDI A1 Sportback (8XA, 8XF). AUTODOC experts recommend:

- To avoid injury, hold the shock absorber cautiously tight when screwing in the fastening bolts.

25

Tighten the top shock absorber fastening. Use a drive socket #16. Use a torque wrench. Tighten it to 30 Nm torque.+90°

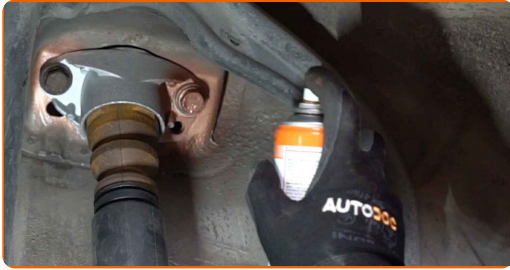


AUTODOC recommends:

- Important! Be sure to use new fasteners.

26

Treat the shock absorber fasteners. Use copper grease.



27

Tighten the lower fastener of the shock absorber. Use a drive socket #16. Use a combination spanner #16. Use a torque wrench. Tighten it to 40 Nm torque. +90°



AUTODOC recommends:

- Important! Be sure to use new fasteners.

28

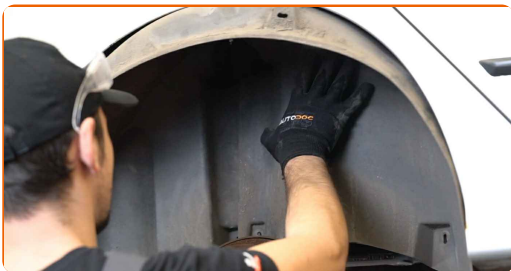
Remove the mounting from under the rear axle beam.



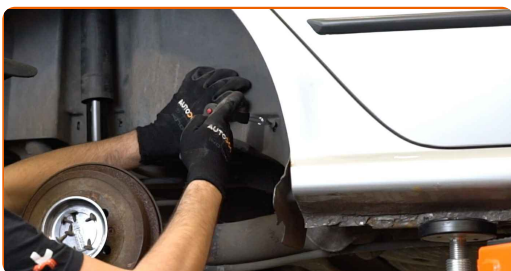
AUTODOC recommends:

- Replacement: shock absorbers – AUDI A1 Sportback (8XA, 8XF). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

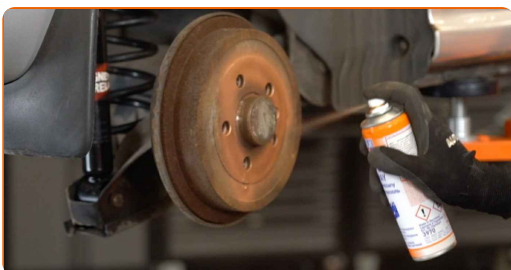
29 Install the wheel arch cover to its mounting seat.



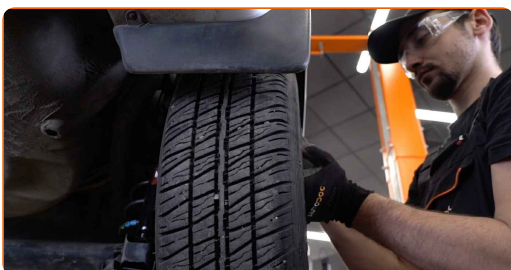
30 Install and tighten the wheel arch cover fasteners. Use Torx T25.



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



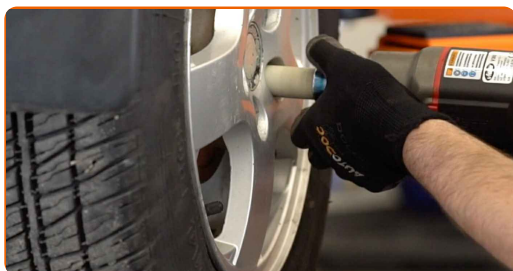
32 Install the wheel.



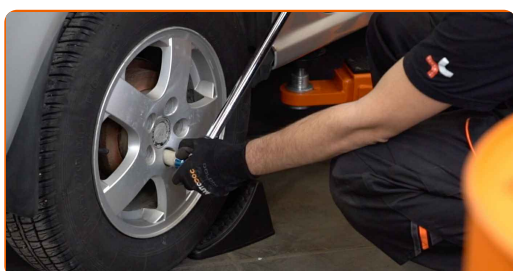
Replacement: shock absorbers – AUDI A1 Sportback (8XA, 8XF). AUTODOC recommends:

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

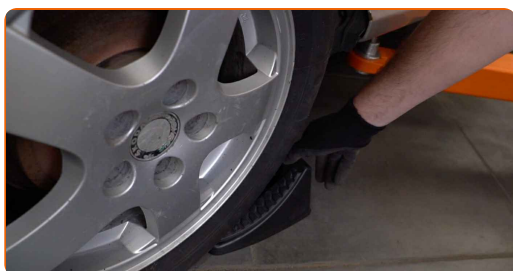
33 Screw in the wheel bolts. Use wheel impact socket #17.



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



35 Remove the jacks and chocks.



WELL DONE! 

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