



How to change rear
shock absorbers on **AUDI
A6 Avant (4G5, 4GD, C7)**
– 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 A6 Avant (4G5, 4GD, C7) 2.8 FSI, AUDI A6 Avant (4G5, 4GD, C7) 2.8 FSI quattro,
- AUDI A6 Avant (4G5, 4GD, C7) 3.0 TFSI quattro, AUDI A6 Avant (4G5, 4GD, C7) 2.0 TDI,
- AUDI A6 Avant (4G5, 4GD, C7) 3.0 TDI, AUDI A6 Avant (4G5, 4GD, C7) 3.0 TDI quattro,
- AUDI A6 Avant (4G5, 4GD, C7) S6 quattro, AUDI A6 Avant (4G5, 4GD, C7) 2.0 TFSI,
- AUDI A6 Avant (4G5, 4GD, C7) 1.8 TFSI, AUDI A6 Avant (4G5, 4GD, C7) 2.0 TDI quattro,
- AUDI A6 Avant (4G5, 4GD, C7) 2.0 TFSI 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: AUDI A6 Saloon (4F2, C6) 2.0 TDI

REPLACEMENT: SHOCK ABSORBERS – AUDI A6 AVANT (4G5, 4GD, C7). TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #17
- Combination spanner #21
- Drive socket # 16
- Drive socket # 17
- Drive socket # 21
- Torx bit T25
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Locking pliers
- Vice
- Hydraulic transmission jack
- Wheel chock

Buy tools

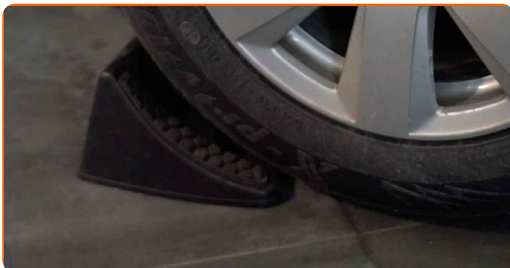
Replacement: shock absorbers – AUDI A6 Avant (4G5, 4GD, C7). Tip from AUTODOC:

- 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.
- All work should be done with the engine stopped.

REPLACEMENT: SHOCK ABSORBERS – AUDI A6 AVANT (4G5, 4GD, C7). 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.

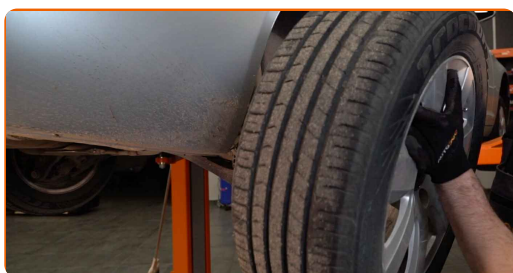
4 Unscrew the wheel bolts.



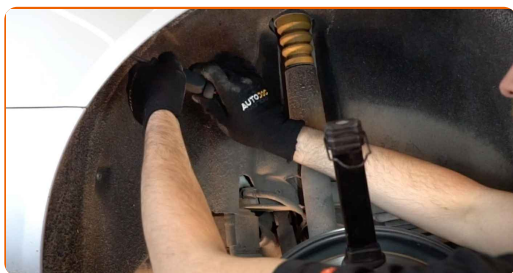
Replacement: shock absorbers – AUDI A6 Avant (4G5, 4GD, C7). Tip:

- 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.

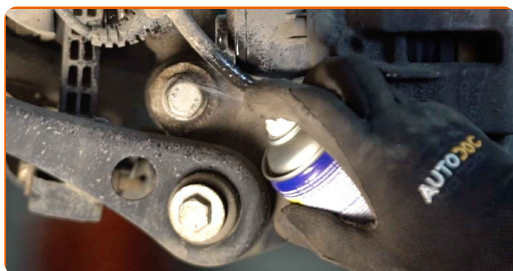


7 Remove the wheel arch cover.



8

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



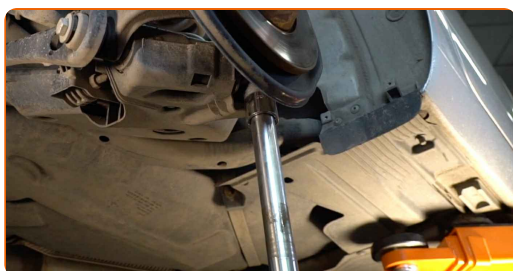
9

Unscrew the lower fastener of the shock absorber. Use a combination spanner #21. Use a drive socket #21. Use a ratchet wrench.



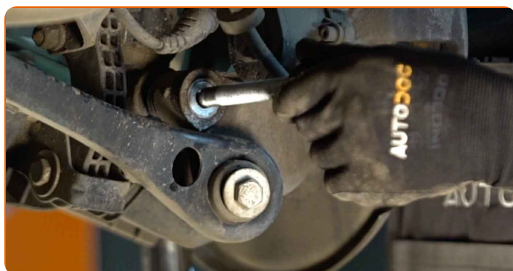
10

Support the arm. Use a hydraulic transmission jack.



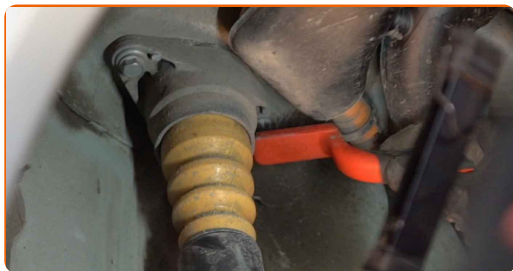
11

Remove the fastening bolt.



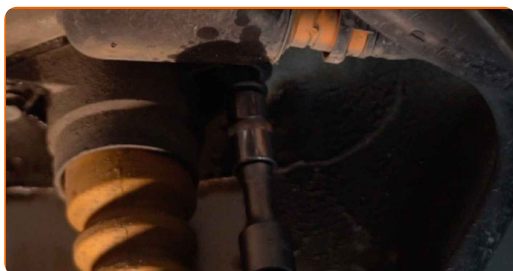
12

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



13

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



AUTODOC recommends:

- Important! Hold the shock absorber while unscrewing the fastening bolts. AUDI A6 Avant (4G5, 4GD, C7)

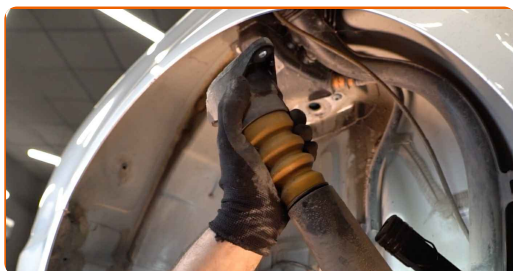
14

Remove the support from under the arm.

Replacement: shock absorbers – AUDI A6 Avant (4G5, 4GD, C7). Professionals recommend:

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

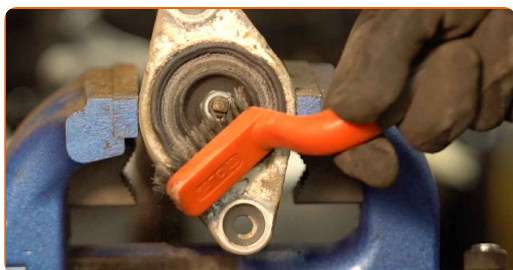
15 Remove the shock absorber.



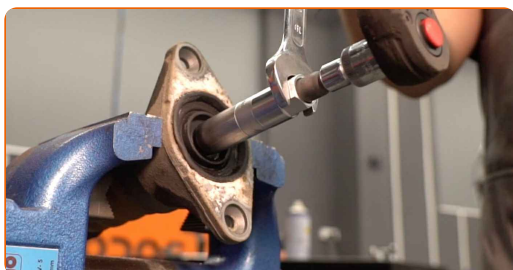
16 Grip the shock absorber in a vice.



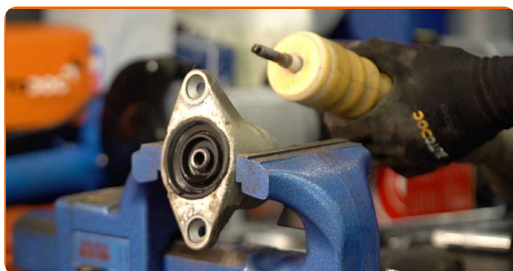
17 Clean the shock absorber rod fastener. Use a wire brush. Use WD-40 spray.



18 Remove the shock absorber piston rod fastening. Use a drive socket #17. Use a ratchet wrench.



19 Remove the shock absorber mount, boot and bump stop.



Replacement: shock absorbers – AUDI A6 Avant (4G5, 4GD, C7). AUTODOC experts recommend:

- Examine the shock absorber dust cap and the bump stop. Replace them if necessary.
- Before installing a new shock absorber you should pump it manually 3-5 times.

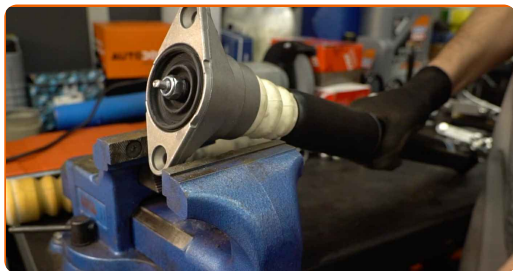
20 Install the mount, boot and bump stop onto a new shock absorber.



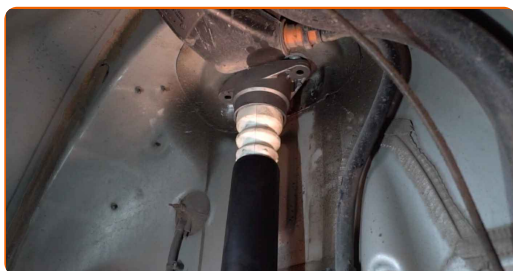
21 Screw the shock strut piston rod upper fastening. Use a combination spanner #17. Use locking pliers. Use a torque wrench. Tighten it to 25 Nm torque.



22 Release the vice and take out the shock absorber.



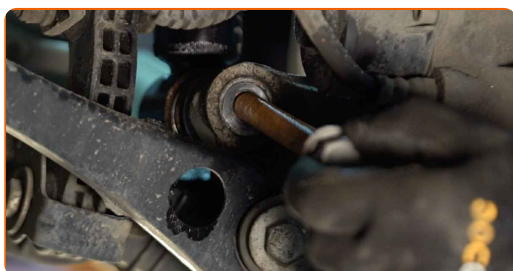
23 Place the shock absorber in the wheel arch and secure it.



AUTODOC recommends:

- Important! Hold the shock absorber while screwing in the fastening bolts. AUDI A6 Avant (4G5, 4GD, C7)

24 Install the fastening bolt.



25 Support the arm. Use a hydraulic transmission jack.



26

Screw the upper fastener of the shock absorber. Use a drive socket #16.

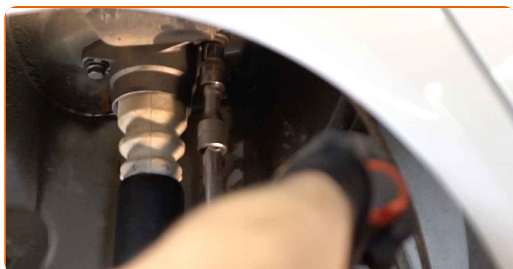


Replacement: shock absorbers – AUDI A6 Avant (4G5, 4GD, C7). AUTODOC recommends:

- Install the shock absorber mount using the center hole as a guide.

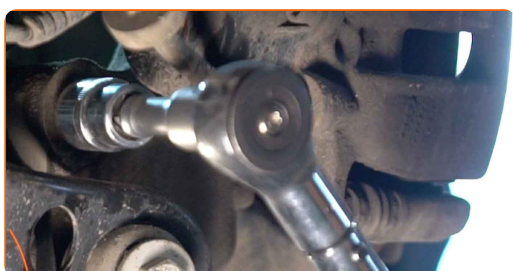
27

Tighten the top shock absorber fastening. Use a drive socket #16. Use a torque wrench. Tighten it to 35 Nm torque.



28

Tighten the lower fastener of the shock absorber. Use a combination spanner #21. Use a drive socket #21. Use a torque wrench. Tighten it to 150 Nm torque.



29

Remove the support from under the arm.



AUTODOC recommends:

- Replacement: shock absorbers – AUDI A6 Avant (4G5, 4GD, C7). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

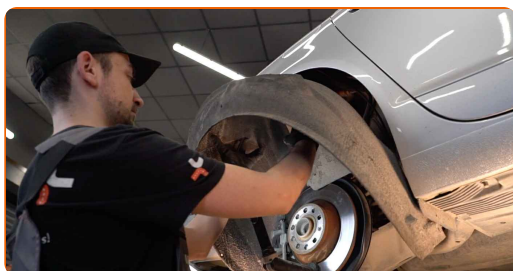
30

Treat the shock absorber fasteners. Use copper grease.



31

Install the wheel arch cover to its mounting seat.



32

Install and tighten the wheel arch cover fasteners. Use Torx T20.



33

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



34

Clean the brake disk surface. Use a brake cleaner.



Replacement: shock absorbers – AUDI A6 Avant (4G5, 4GD, C7). Tip from AUTODOC experts:

- After applying the spray, wait a few minutes.

35

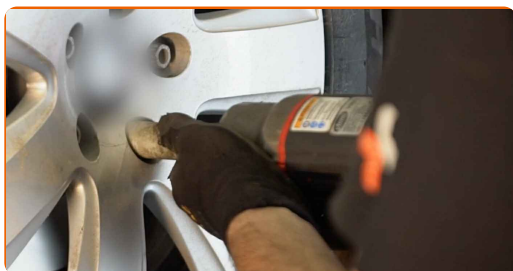
Install the wheel.



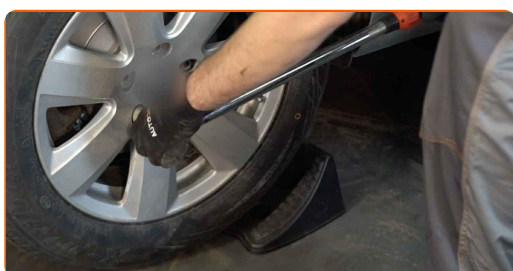
AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. AUDI A6 Avant (4G5, 4GD, C7)

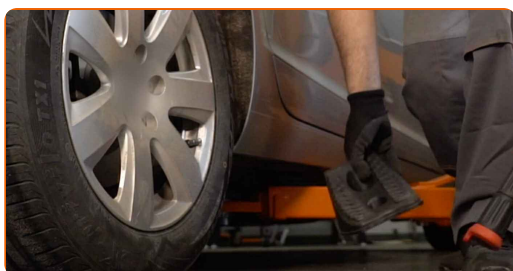
36 Screw in the wheel bolts. Use wheel impact socket #17.



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



38 Remove the jacks and chocks.



WELL DONE! 

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SHOCK ABSORBERS: A WIDE SELECTION

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