



How to change front
strut mount on **Audi A4**
B7 Avant – replacement
guide

VIDEO TUTORIAL



Important!

This replacement procedure can be used for:

AUDI A7 Sportback (4GA, 4GF) 3.0 TDI, AUDI A6 Saloon (4G2, 4GC, C7) 2.8 FSI, AUDI A6 Saloon (4G2, 4GC, C7) 2.8 FSI quattro, AUDI A6 Saloon (4G2, 4GC, C7) 3.0 TFSI quattro, AUDI A6 Saloon (4G2, 4GC, C7) 2.0 TDI, AUDI A6 Saloon (4G2, 4GC, C7) 3.0 TDI, AUDI A6 Saloon (4G2, 4GC, C7) 3.0 TDI quattro, AUDI A6 Saloon (4G2, 4GC, C7) 2.0 TFSI, AUDI A7 Sportback (4GA, 4GF) 3.0 TDI quattro, AUDI A7 Sportback (4GA, 4GF) 2.8 FSI, AUDI A6 Saloon (4G2, 4GC, C7) S6 quattro, AUDI A6 Avant (4G5, 4GD, C7) S6 quattro, AUDI A6 Avant (4G5, 4GD, C7) 2.0 TFSI, AUDI A6 Saloon (4G2, 4GC, C7) 2.0 TFSI hybrid, AUDI A4 Saloon (8E2, B6) 1.8 T, (+ 87)

The steps may slightly vary depending on the car design.

**REPLACEMENT: STRUT MOUNT – AUDI A4 B7 AVANT.
LIST OF THE TOOLS YOU'LL NEED:**



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Drive socket # 16
- Drive socket # 18
- Combination spanner #16
- Combination spanner #18
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Hammer
- Pin punch
- Flat chisel
- Rubber mallet
- Flat Screwdriver
- Crow bar
- Hydraulic transmission jack
- Hydraulic strut spring compressor
- Fender cover
- Wheel chock

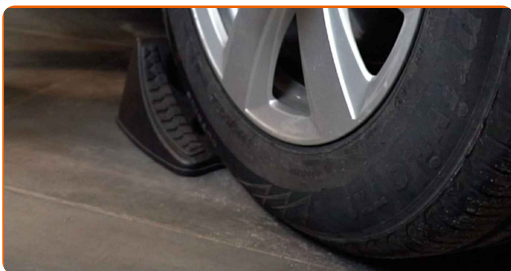
BUY TOOLS

Replacement: strut mount – Audi A4 B7 Avant. AUTODOC recommends:

- The replacement procedure is identical for the mounts of the left and right shock struts of the front suspension.
- All mounts of the front shock struts should be replaced simultaneously.
- Warning! Shut down the engine before starting any work – Audi A4 B7 Avant.

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 front of the car and secure on supports.

4 Unscrew the wheel bolts.



Replacement: strut mount – Audi A4 B7 Avant. Tip:

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

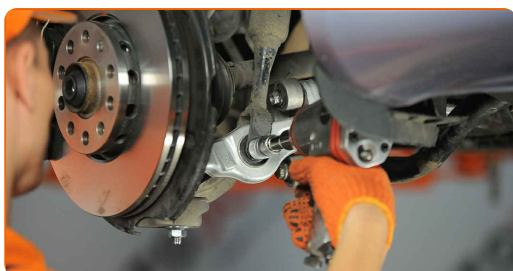
5 Remove the wheel.



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



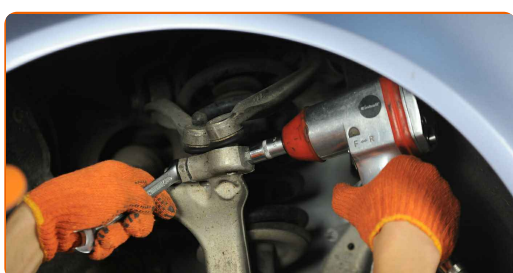
7 Unscrew the lower fastener of the shock absorber strut. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.



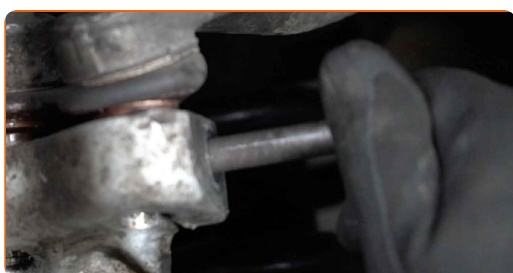
8 Remove the fastening bolt.



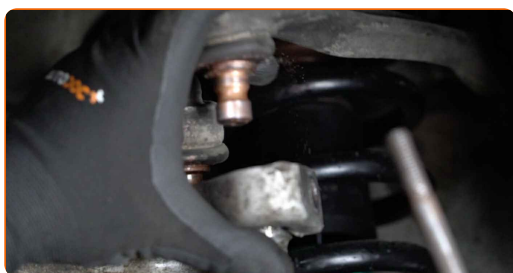
9 Unscrew the upper arm fastenings. Use a combination spanner #16. Use a drive socket #16. Use a ratchet wrench.



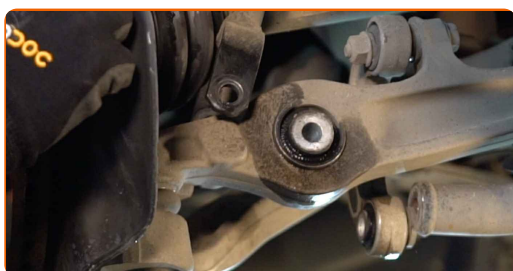
10 Remove the fastening bolt.



11 Detach the upper control arm from the steering knuckle. Use a flat metal-working chisel. Use a hammer.



12 Detach the bottom part of the shock strut.



13 Lower the car.



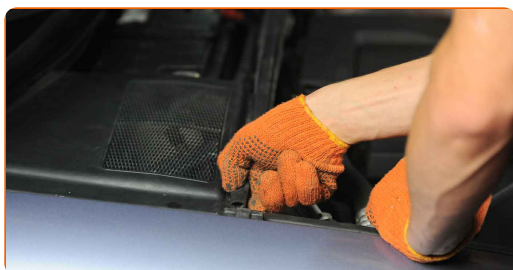
14 Open the bonnet.



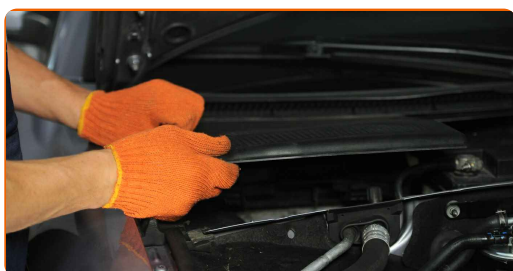
15 Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.



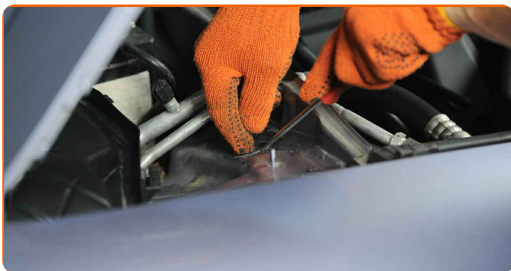
16 Remove the cowl grille seal.



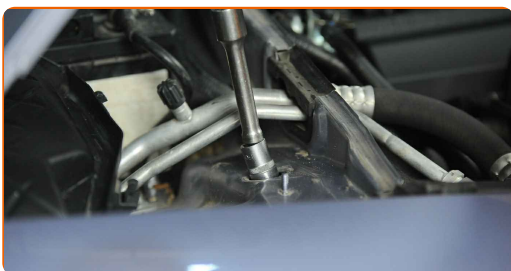
17 Remove the wiper cowl grille located on the right side.



18 Remove the protective cap of the shock absorber mount. Use a flat screwdriver.



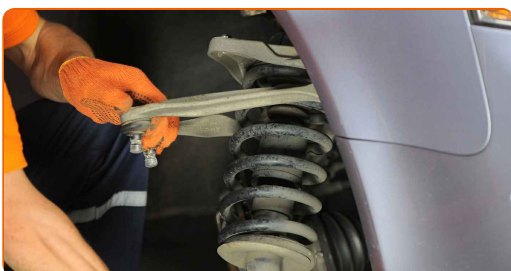
19 Unscrew the upper fasteners of the shock strut. Use a drive socket #16. Use a ratchet wrench.



AUTODOC recommends:

- Important! Hold the suspension strut while unscrewing the fastening bolts. Audi A4 B7 Avant

20 Remove the suspension strut.



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

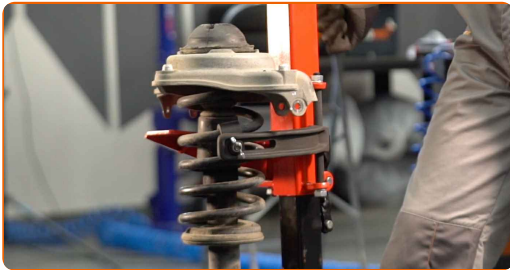


Replacement: strut mount – Audi A4 B7 Avant. Tip from AUTODOC experts:

- 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.

22

Compress the spring.



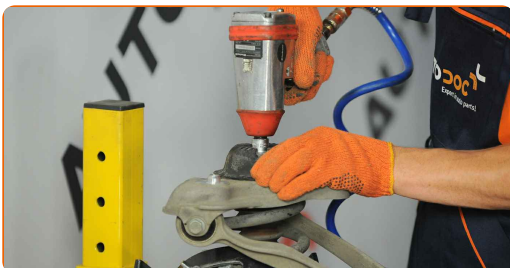
23

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



24

Remove the strut piston rod nut. Use a drive socket #18. Use a ratchet wrench.



25

Remove the top strut mount.

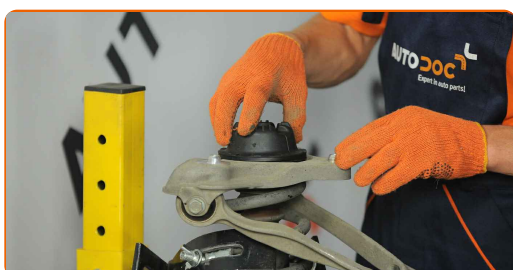


Replacement: strut mount – Audi A4 B7 Avant. Tip from AUTODOC:

- Examine the shock absorber dust cap and the bump stop. Replace them if necessary.

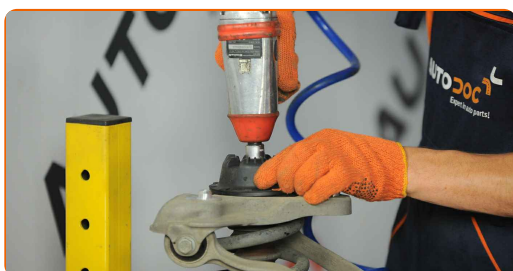
26

Install a new top shock strut mount.



27

Tighten the shock strut piston rod nut. Use a drive socket #18. Use a ratchet wrench. Use a torque wrench. Tighten it to 50 Nm torque.



Replacement: strut mount – Audi A4 B7 Avant. Professionals recommend:

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

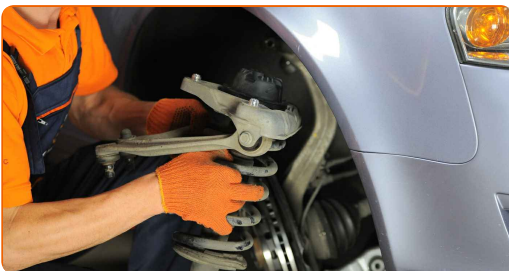
28 Decompress the spring.



29 Remove the assembled shock strut.



30 Install the shock strut into the wheel arch.

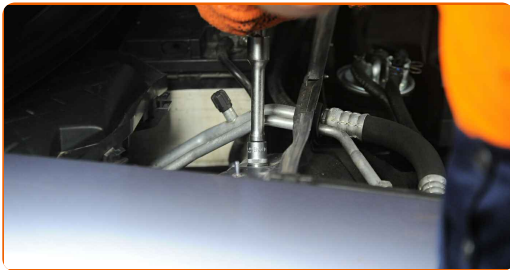


31 Secure the upper fasteners of the shock strut.

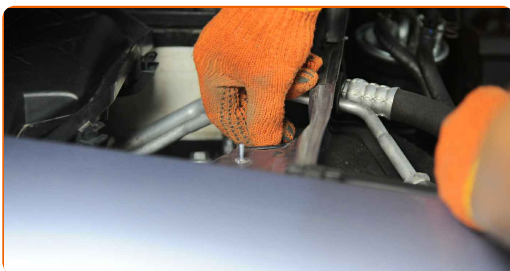
AUTODOC recommends:

- Audi A4 B7 Avant – To avoid injury, hold the suspension strut while screwing in the fastening bolts.

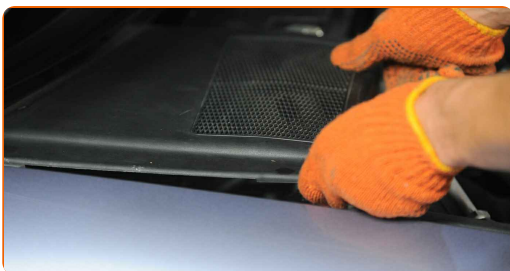
- 32** Tighten the upper fasteners of the shock strut. Use a drive socket #16. Use a torque wrench. Tighten it to 75 Nm torque.



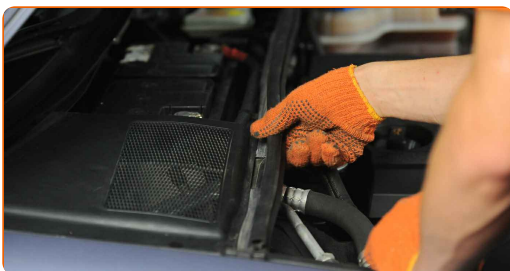
- 33** Install the protective cap of the shock absorber mount.



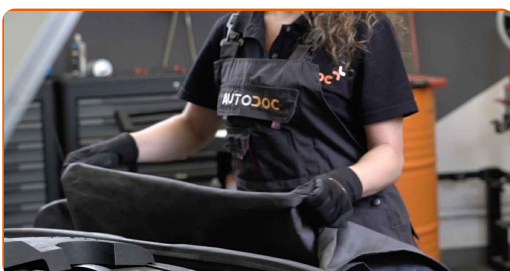
- 34** Install and secure the wiper cowl grille located on the right side.



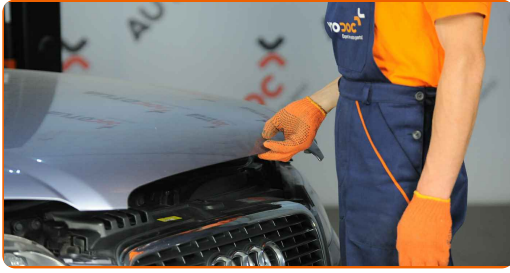
- 35** Install the cowl grille seal.



- 36** Remove the fender protection cover.



37 Close the hood.

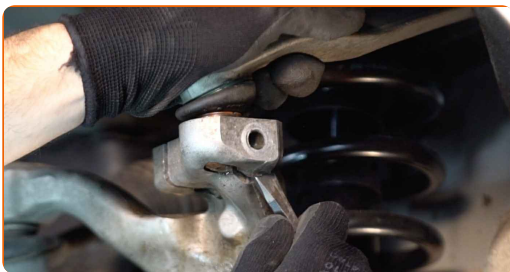


38 Raise the front of the car and secure on supports.

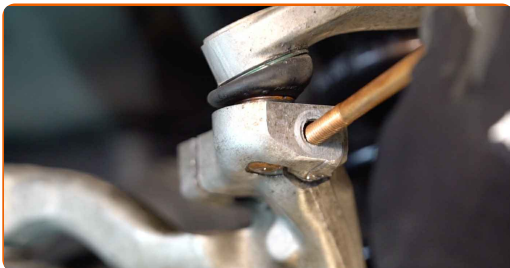


39 Attach the bottom part of the shock strut.

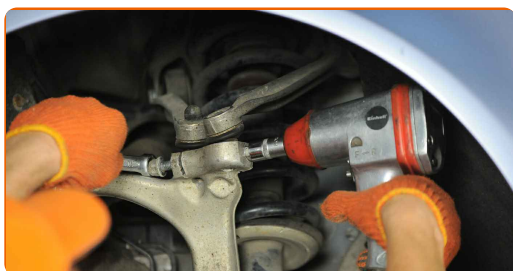
40 Attach the upper control arm to the steering knuckle. Use a rubber mallet. Use a flat metal-working chisel. Use a hammer. Use a crowbar.



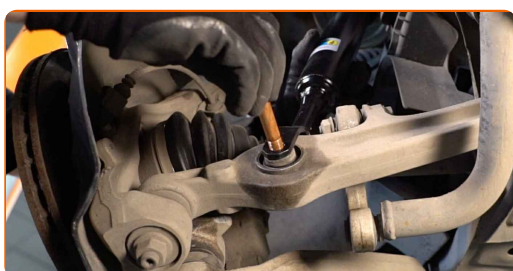
41 Install the fastening bolt. Use a hammer. Use a pin punch.



- 42** Tighten the upper arm fastenings. Use a combination spanner #16. Use a drive socket #16. Use a torque wrench. Tighten it to 40 Nm torque.



- 43** Install the fastening bolt.



- 44** Prop up the steering knuckle. Use a hydraulic transmission jack.



- 45** Tighten the lower fastening of the shock absorber. Use a combination spanner #18. Use a drive socket #18. Use a torque wrench. Tighten it to 90 Nm torque.



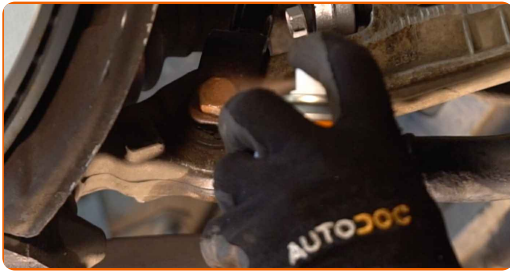
- 46** Remove the support from under the steering knuckle.



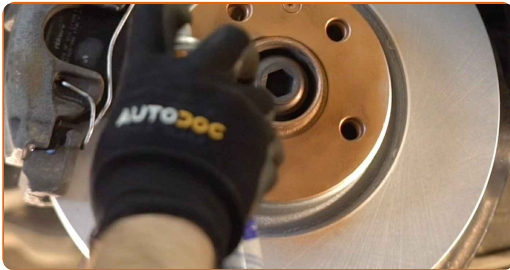
Replacement: strut mount – Audi A4 B7 Avant. AUTODOC experts recommend:

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

47 Treat the shock strut fasteners. Treat the fasteners connecting the control arm to the steering knuckle. Use copper grease.



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: strut mount – Audi A4 B7 Avant. After applying the spray, wait a few minutes.

50

Install the wheel.

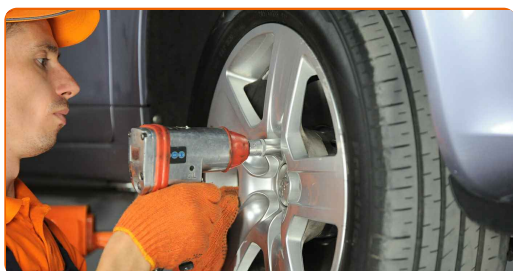


Replacement: strut mount – Audi A4 B7 Avant. AUTODOC recommends:

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

51

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



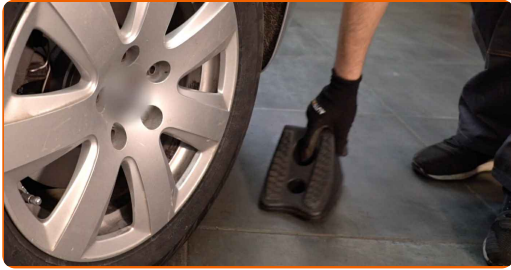
52

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.



WELL DONE! 

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