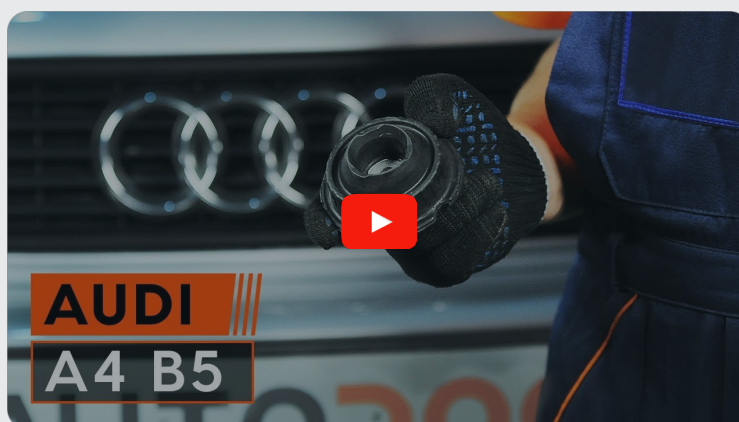




How to change front
strut mount on **AUDI A8**
(4D2, 4D8) –
replacement guide

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 A8 (4D2, 4D8) 4.2 quattro, AUDI A8 (4D2, 4D8) 2.8, AUDI A8 (4D2, 4D8) 2.8 quattro, AUDI A8 (4D2, 4D8) 3.7, AUDI A8 (4D2, 4D8) 3.7 quattro, AUDI A8 (4D2, 4D8) S8 quattro, AUDI A8 (4D2, 4D8) 2.5 TDI, AUDI A8 (4D2, 4D8) 2.5 TDI quattro, AUDI A8 (4D2, 4D8) 3.3 TDI quattro, AUDI A8 (4D2, 4D8) S 8 quattro, AUDI A8 (4D2, 4D8) 6.0 W12 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 A4 Avant (8D5, B5) 1.8 T

**REPLACEMENT: STRUT MOUNT – AUDI A8 (4D2, 4D8).
LIST OF THE TOOLS YOU'LL NEED:**



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- HEX bit No.H6.
- Drive socket # 13
- Drive socket # 17
- Drive socket # 18
- Combination spanner #17
- Combination spanner #18
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Hammer
- Pin punch
- Flat chisel
- Rubber mallet
- Flat Screwdriver
- Pliers
- Hydraulic transmission jack
- Hydraulic strut spring compressor
- Fender cover
- Wheel chock

Buy tools

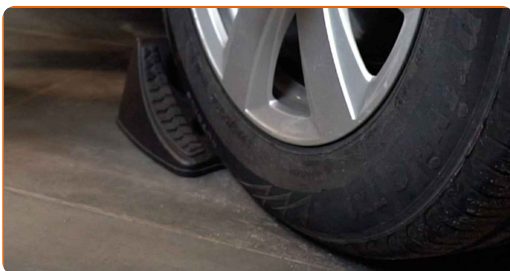
Replacement: strut mount – AUDI A8 (4D2, 4D8). AUTODOC experts recommend:

- 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 A8 (4D2, 4D8).

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.



AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. AUDI A8 (4D2, 4D8)

5 Remove the wheel.



6 Clean the fastening bolt that connects the shock absorber fork with the lower control arm. Use a wire brush. Use WD-40 spray.



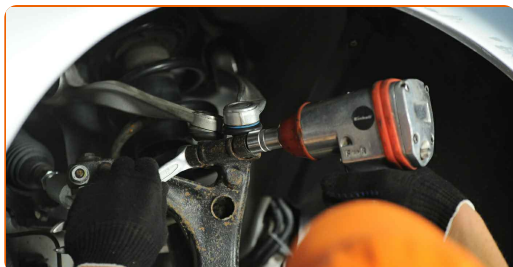
- 7** Unscrew the fastening bolt that connects the shock absorber fork with the lower control arm. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.



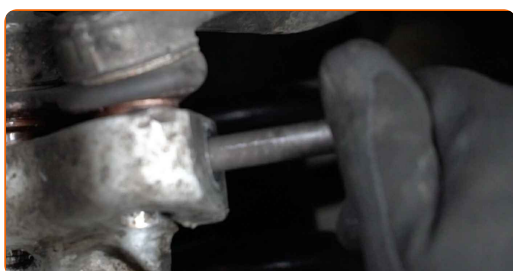
- 8** Remove the fastening bolt.



- 9** Unscrew the upper arm fastenings. Use a combination spanner #17. Use a drive socket #17. Use a ratchet wrench.



- 10** Remove the fastening bolt. Use a pin punch. Use a hammer.



11 Remove the control arms. Use a flat metal-working chisel. Use a hammer.



12 Detach the bottom part of the shock strut.



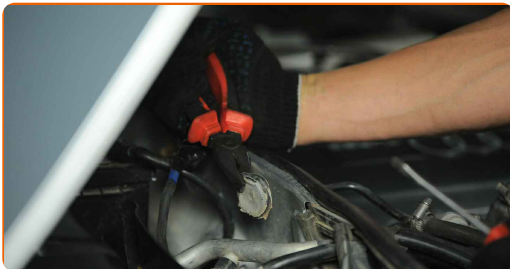
13 Lower the car.



14 Open the bonnet.

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

16 Remove the protective caps out of the shock absorber mounting fastener. Use a flat screwdriver. Use pliers.



17

Unscrew the upper fasteners of the shock strut. Use a drive socket #13. Use a ratchet wrench.

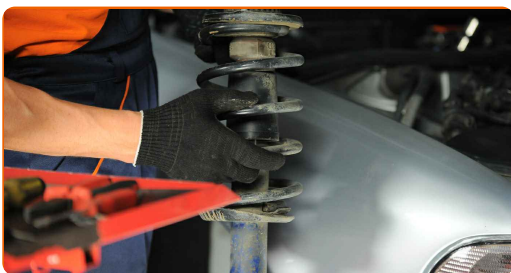


Replacement: strut mount – AUDI A8 (4D2, 4D8). Tip from AUTODOC experts:

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

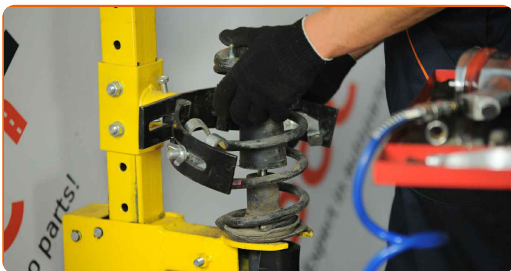
18

Remove the suspension strut.



19

Set the shock absorber strut on the spring compressor tool.

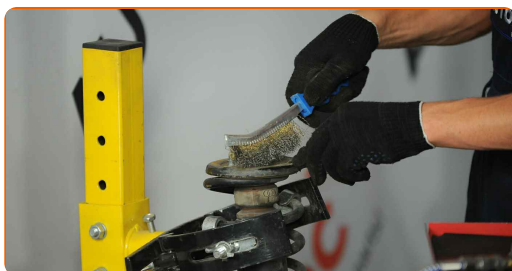


Replacement: strut mount – AUDI A8 (4D2, 4D8). Professionals recommend:

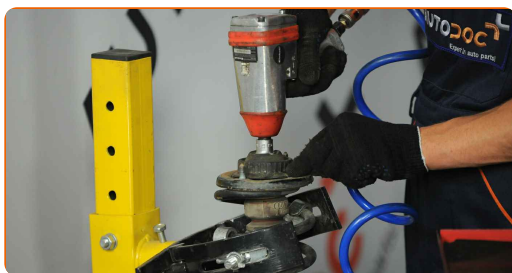
- Note that when using a spring compressor, spring coils need to be securely gripped, compressing the spring on the opposite sides.
- Ensure the correct position of the spring in the retainer.
- Make sure that the spring coils tightly entered the lock handles.

20 Compress the spring.

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

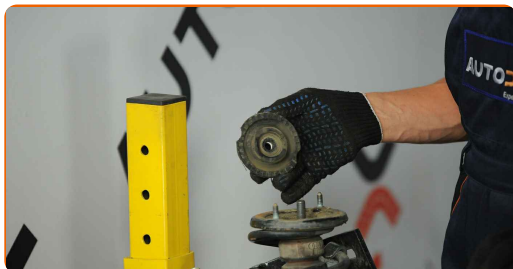


22 Remove the strut piston rod nut. Use a drive socket #18. Use a ratchet wrench.



23

Remove the top strut mount.

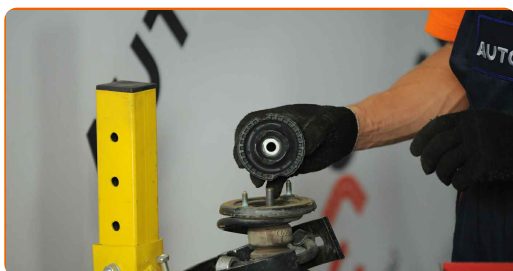


Replacement: strut mount – AUDI A8 (4D2, 4D8). Tip from AUTODOC:

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

24

Install a new top shock strut mount.



25

Tighten the shock strut piston rod nut. Use a drive socket #18. Use HEX No.H6. Use a torque wrench. Tighten it to 50 Nm torque.



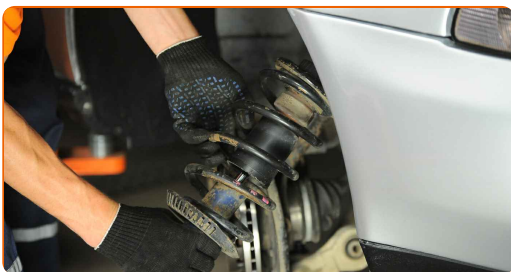
Replacement: strut mount – AUDI A8 (4D2, 4D8). AUTODOC recommends:

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

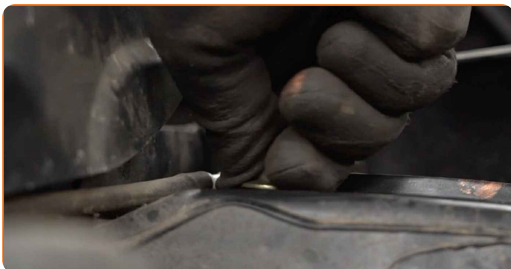
26 Decompress the spring.

27 Remove the assembled shock strut.

28 Install the shock strut into the wheel arch.



29 Secure the upper fasteners of the shock strut.



AUTODOC recommends:

- AUDI A8 (4D2, 4D8) – To avoid injury, hold the suspension strut while screwing in the fastening bolts.

- 30 Tighten the upper fasteners of the shock strut. Use a drive socket #13. Use a torque wrench. Tighten it to 20 Nm torque.



- 31 Put the protective caps onto the shock absorber mounting fastener. Use a flat screwdriver.

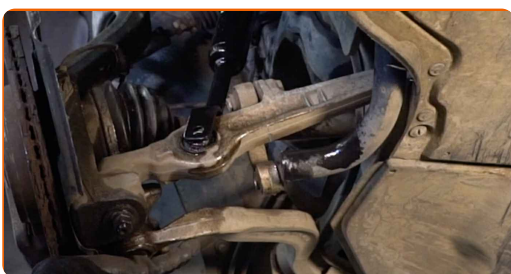


- 32 Remove the fender protection cover.

- 33 Close the hood.

- 34 Raise the front of the car and secure on supports.

- 35 Attach the bottom part of the shock strut. Use a crowbar.



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



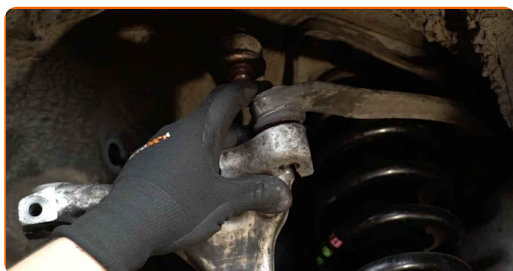
37

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



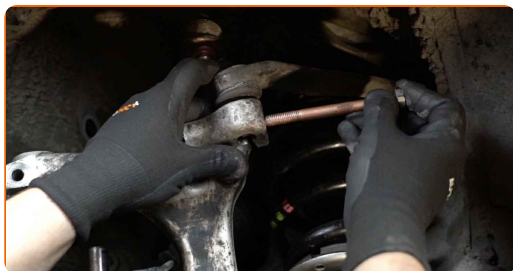
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Install the control arms. Use a rubber mallet.



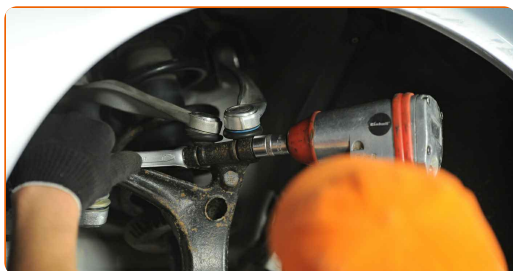
39

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



40

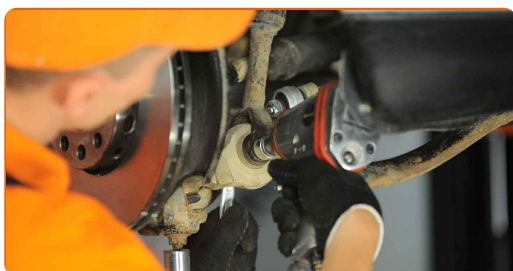
Tighten the upper arm fastenings. Use a combination spanner #17. Use a drive socket #17. Use a torque wrench. Tighten it to 40 Nm torque.



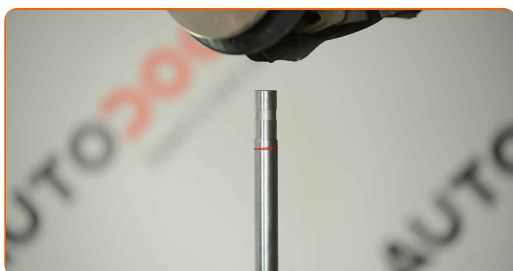
41 Raise the hydraulic transmission jack by 10-15 cm.



42 Tighten the fastening bolt that connects the shock absorber fork to the lower control arm. Use a combination spanner #18. Use a drive socket #18. Use a torque wrench. Tighten it to 90 Nm torque.



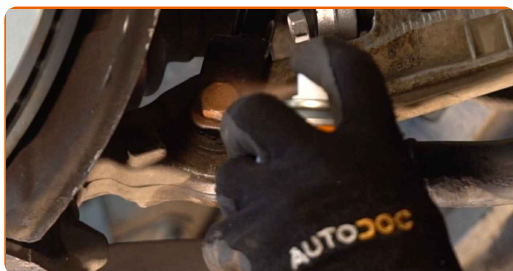
43 Remove the support from under the steering knuckle.



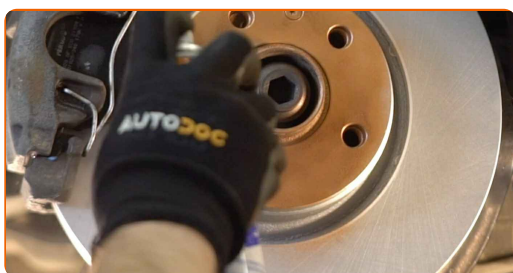
AUTODOC recommends:

- Replacement: strut mount – AUDI A8 (4D2, 4D8). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

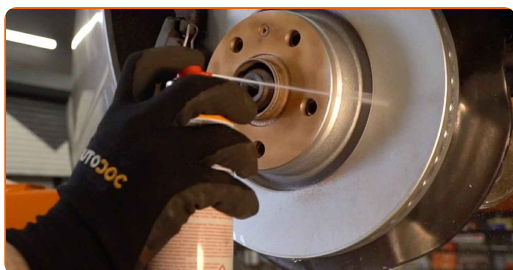
44 Treat the shock strut fasteners. Use copper grease.



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



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



AUTODOC recommends:

- Replacement: strut mount – AUDI A8 (4D2, 4D8). After applying the spray, wait a few minutes.

47 Install the wheel.



Replacement: strut mount – AUDI A8 (4D2, 4D8). Tip:

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

48

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



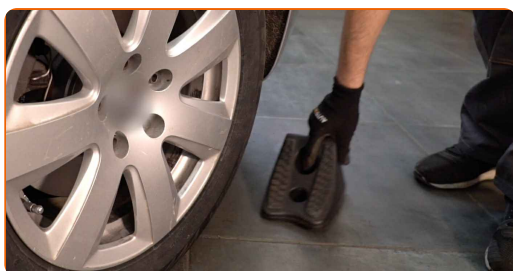
49

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.



50

Remove the jacks and chocks.



WELL DONE! 

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STRUT MOUNT: A WIDE SELECTION

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