



How to change rear
suspension lower control
arm 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) 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: REAR SUSPENSION LOWER CONTROL ARM – AUDI A8 (4D2, 4D8). LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #19
- Drive socket # 19
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Hammer
- Pin punch
- Rubber mallet
- Ball joint puller
- Crow bar
- Hydraulic transmission jack
- Wheel chock

Buy tools

Replacement: rear suspension lower control arm – AUDI A8 (4D2, 4D8).
Professionals recommend:

- The replacement procedure is identical for the left and right lower control arms.
- All work should be done with the engine stopped.

REPLACEMENT: REAR SUSPENSION LOWER CONTROL ARM – AUDI A8 (4D2, 4D8). USE THE FOLLOWING PROCEDURE:

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: rear suspension lower control arm – AUDI A8 (4D2, 4D8).
AUTODOC recommends:

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

5 Remove the wheel.



6 Clean the fastener connecting the rear knuckle to the suspension control arm. Use a wire brush. Use WD-40 spray.

7 Unscrew the fastener connecting the control arm to the rear knuckle. Use a combination spanner #19.



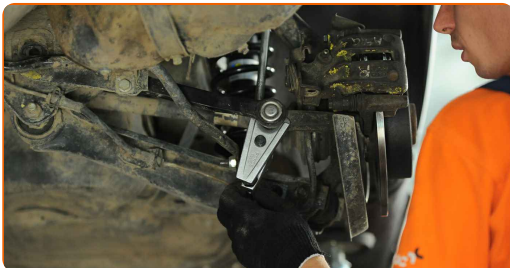
8 Clean the fasteners connecting the control arm to the subframe. Use a wire brush. Use WD-40 spray.

- 9 Unscrew the arm fastening from the subframe. Use a combination spanner #19. Use a drive socket #19. Use a ratchet wrench.

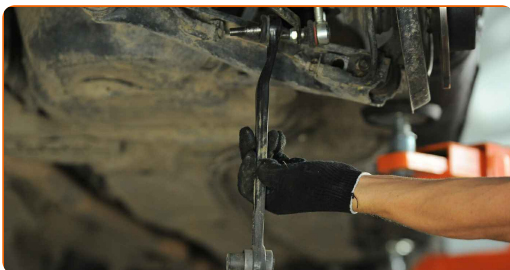


- 10 Remove the fastening bolt. Use a crowbar.

- 11 Detach the lower control arm. Use a ball joint puller.

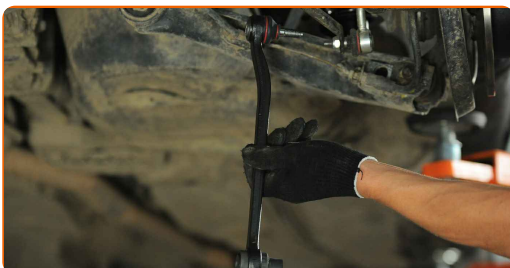


- 12 Remove the arm. Use a crowbar. Use a rubber mallet.



- 13 Clean the mounting seats and the thread of the suspension arm. Use a wire brush. Use WD-40 spray.

- 14 Install a new arm. Use a rubber mallet.

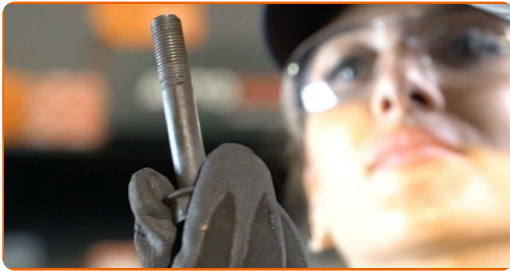


Replacement: rear suspension lower control arm – AUDI A8 (4D2, 4D8). Tip:

- During the installation process, use only new bolts and nuts.
- Do not damage the ball joint cover.

15

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

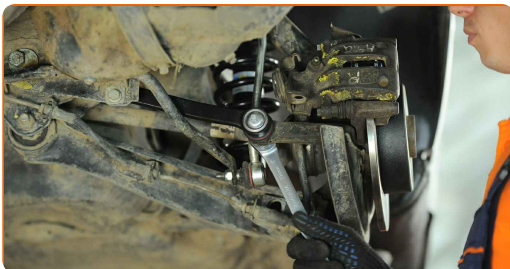


16

Attach the lower control arm.

17

Tighten the fastener connecting the control arm to the rear knuckle. Use a crowbar. Use a combination spanner #19. Use a torque wrench. Tighten it to 85 Nm torque.

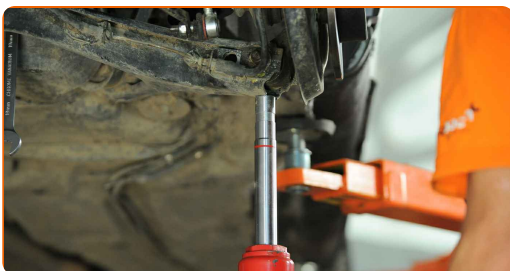


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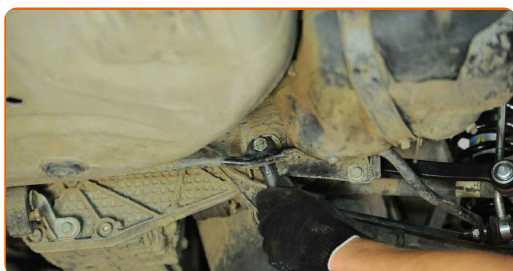
Screw the fastener connecting the control arm to the subframe. Use a combination spanner #19. Use a drive socket #19. Use a ratchet wrench.

19

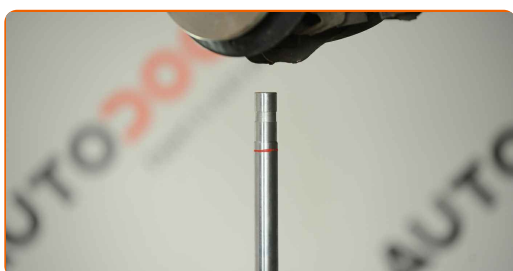
Support the arm. Use a hydraulic transmission jack.



- 20** Tighten the arm fastening to the subframe. Use a combination spanner #19. Use a drive socket #19. Use a torque wrench. Tighten it to 90 Nm torque.



- 21** Remove the support from under the arm.

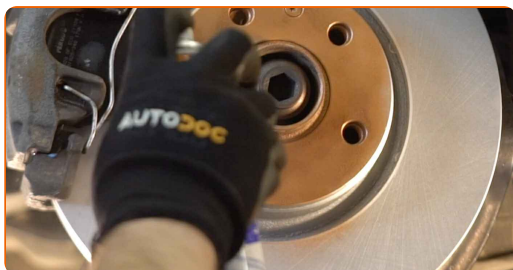


AUTODOC recommends:

- AUDI A8 (4D2, 4D8) – Do not lower the transmission jack sharply to avoid damaging components and mechanisms of the car.

- 22** Treat all joints of the arm. Use copper grease.

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



24

Clean the brake disk surface. Use a brake cleaner.



Replacement: rear suspension lower control arm – AUDI A8 (4D2, 4D8). Tip from AUTODOC:

- After applying the spray, wait a few minutes.

25

Install the wheel.



AUTODOC recommends:

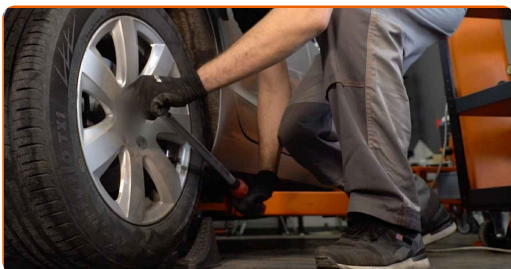
- Important! Hold the wheel while screwing in the fastening bolts. AUDI A8 (4D2, 4D8)

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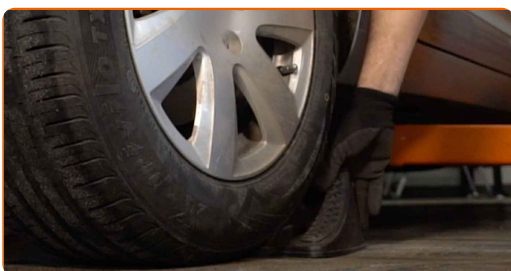
Screw in the wheel bolts. Use wheel impact socket #17.



- 27** 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.



- 28** Remove the jacks and chocks.



WELL DONE! 

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