



How to change rear
suspension lower control
arm on **AUDI A3**
Hatchback (8V1, 8VK) –
replacement guide

SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

Important!

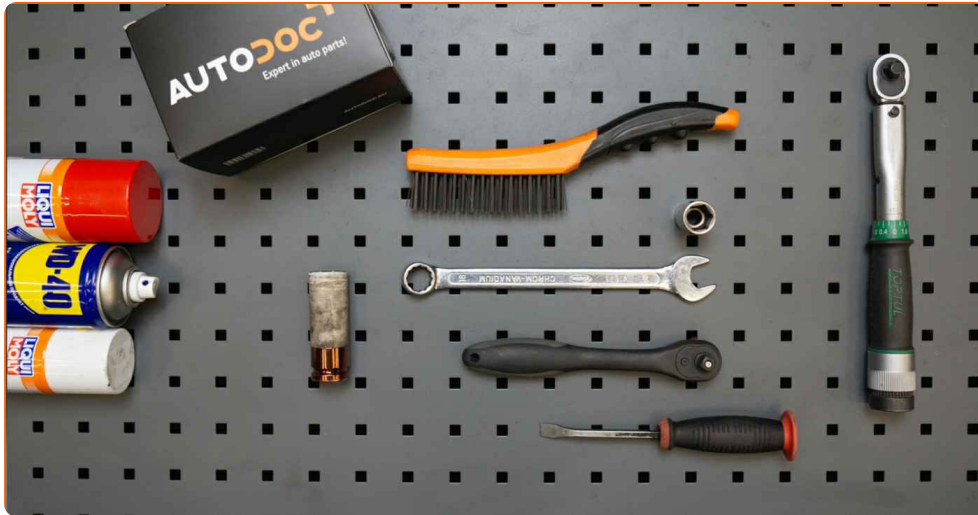
This replacement procedure can be used for:

AUDI A3 Hatchback (8V1, 8VK) 1.4 TFSI, AUDI A3 Hatchback (8V1, 8VK) 1.8 TFSI, AUDI A3 Hatchback (8V1, 8VK) 2.0 TDI, AUDI A3 Hatchback (8V1, 8VK) 1.8 TFSI quattro, AUDI A3 Hatchback (8V1, 8VK) 1.6 TDI, AUDI A3 Hatchback (8V1, 8VK) 2.0 TDI quattro, AUDI A3 Hatchback (8V1, 8VK) 1.2 TFSI, AUDI A3 Hatchback (8V1, 8VK) S3 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: VW Passat Variant (3C5) 2.0 TDI

REPLACEMENT: REAR SUSPENSION LOWER CONTROL ARM – AUDI A3 HATCHBACK (8V1, 8VK). LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #18
- Drive socket # 18
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Hydraulic transmission jack
- Wheel chock

Buy tools

Replacement: rear suspension lower control arm – AUDI A3 Hatchback (8V1, 8VK). AUTODOC recommends:

- 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 A3 HATCHBACK (8V1, 8VK). RECOMMENDED SEQUENCE OF STEPS:

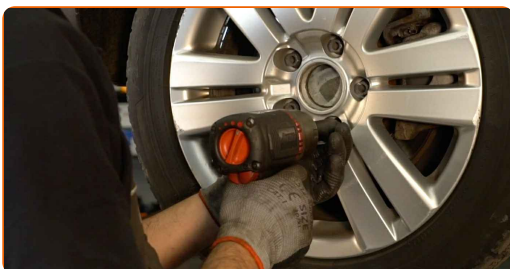
1 Secure the wheels with chocks.

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.



AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. AUDI A3 Hatchback (8V1, 8VK)

5

Remove the wheel.



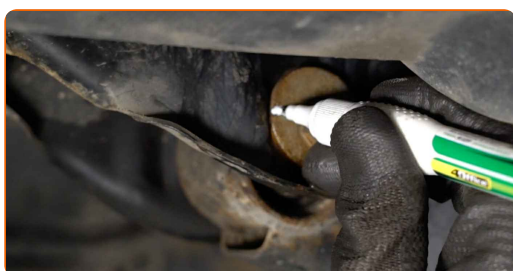
6

Clean all joints of the arm. Use a wire brush. Use WD-40 spray.



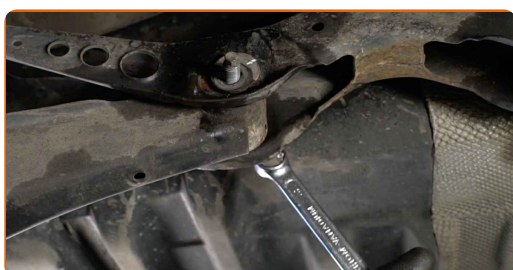
7

Make a mark on the camber adjustment bolt.

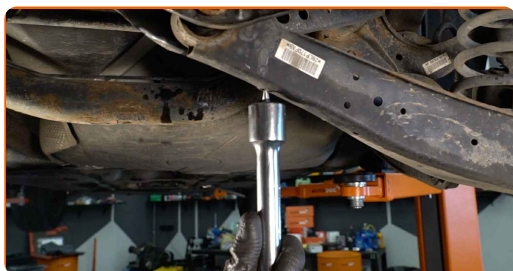


8

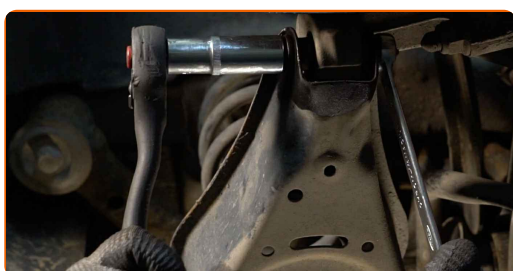
Unscrew the arm fastening to the beam. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.



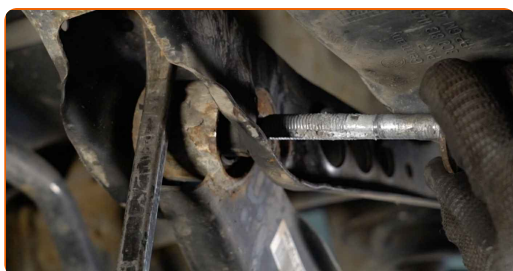
9 Support the arm. Use a hydraulic transmission jack.



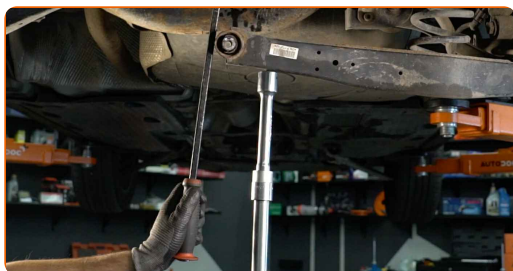
10 Loosen the fastener that connects the control arm to the rear knuckle. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.



11 Remove the fastening bolt. Use a crowbar.



12 Remove the support from under the arm.



Replacement: rear suspension lower control arm – AUDI A3 Hatchback (8V1, 8VK). Tip:

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

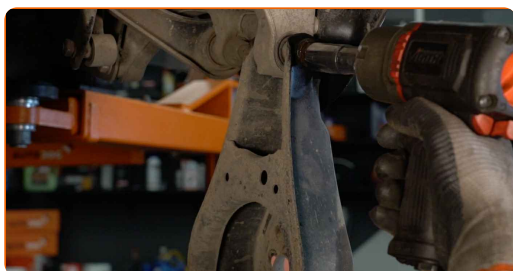
13

Remove the spring.



14

Unscrew the fastener connecting the control arm to the rear knuckle. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.



15

Remove the fastening bolt.

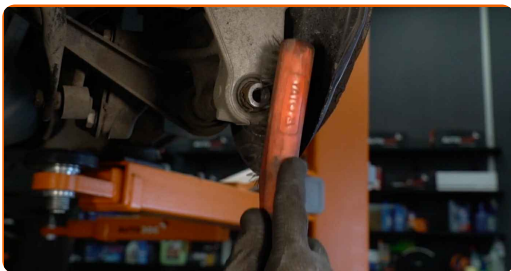


16

Remove the arm.

17

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



18

Install a new arm.



Replacement: rear suspension lower control arm – AUDI A3 Hatchback (8V1, 8VK). Tip from AUTODOC experts:

- During the installation process, use only new bolts and nuts.

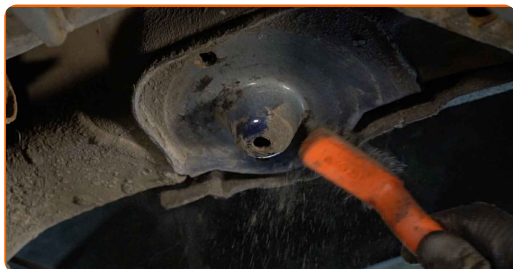
19

Install the fastening bolt.



20

Clean the coil spring mounting seats. Use a wire brush. Use WD-40 spray.



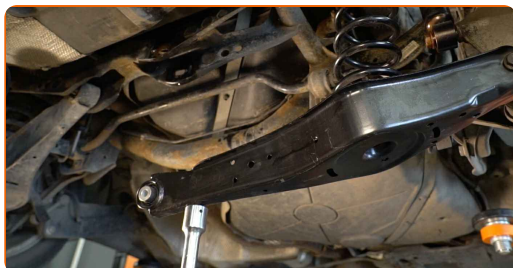
21

Install the coil spring together with the rubber mounts into the mounting seats.



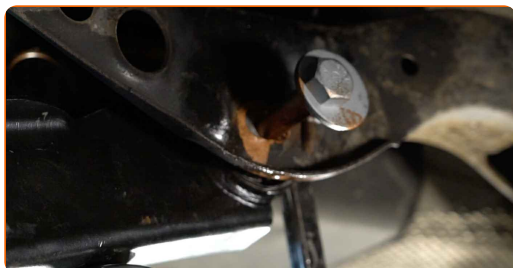
22

Support the arm. Use a crowbar. Use a hydraulic transmission jack.

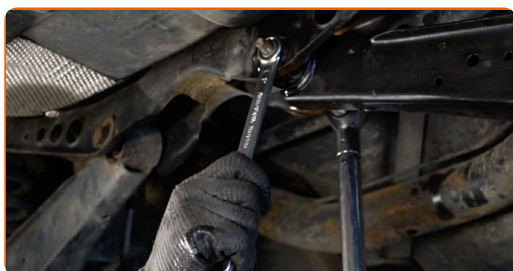


23

Install the fastening bolt.



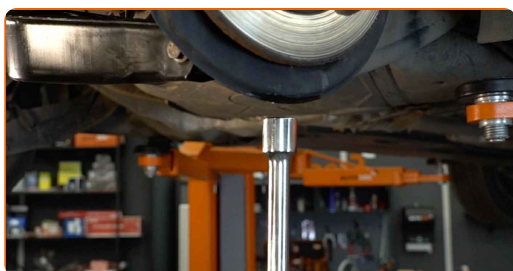
- 24** Screw in the fastener connecting the control arm to the rear subframe. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.



Replacement: rear suspension lower control arm – AUDI A3 Hatchback (8V1, 8VK). AUTODOC experts recommend:

- Adjust the position of the alignment bolt according to the mark.

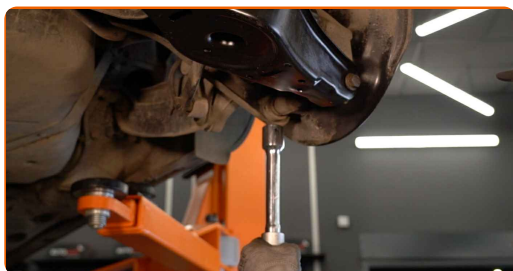
- 25** Remove the support from under the arm.



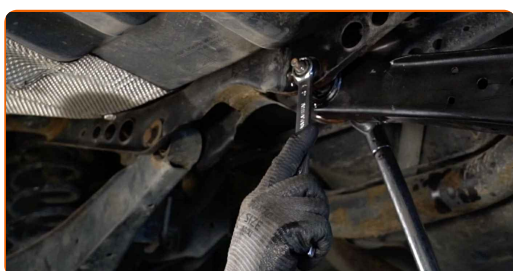
AUTODOC recommends:

- Replacement: rear suspension lower control arm – AUDI A3 Hatchback (8V1, 8VK). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

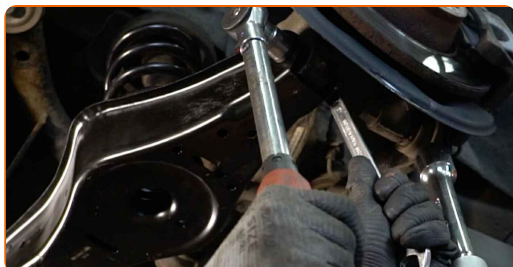
26 Support the stub axle. Use a hydraulic transmission jack.



27 Tighten the arm fastening to the beam. Use a combination spanner #18. Use a drive socket #18. Use a torque wrench. Tighten it to 95 Nm torque.



28 Tighten the fasteners connecting the control arm to the rear knuckle. Use a combination spanner #18. Use a drive socket #18. Use a torque wrench. Tighten it to 90 Nm torque.+90°



AUTODOC recommends:

- Important! Be sure to use new fasteners.

29

Remove the support from under the stub axle.



Replacement: rear suspension lower control arm – AUDI A3 Hatchback (8V1, 8VK). Professionals recommend:

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

30

Treat all joints of the arm. Use copper grease.



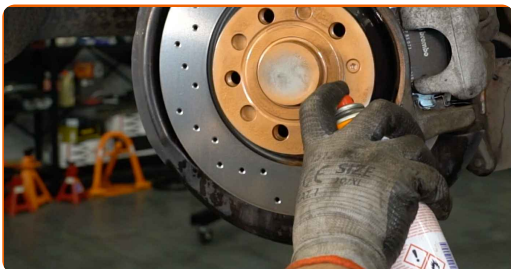
31

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



32

Clean the brake disk surface. Use a brake cleaner.

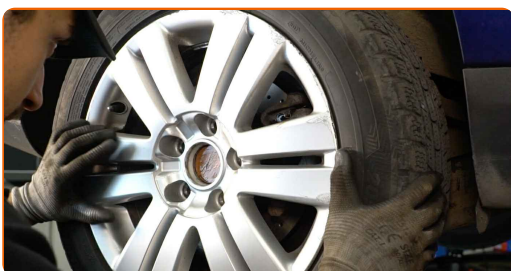


AUTODOC recommends:

- Replacement: rear suspension lower control arm – AUDI A3 Hatchback (8V1, 8VK). After applying the spray, wait a few minutes.

33

Install the wheel.

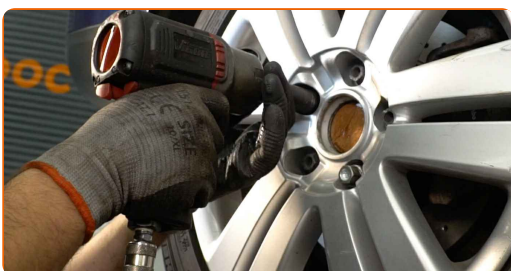


Replacement: rear suspension lower control arm – AUDI A3 Hatchback (8V1, 8VK). Tip from AUTODOC:

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

34

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



35

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.

36

Remove the jacks and chocks.

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