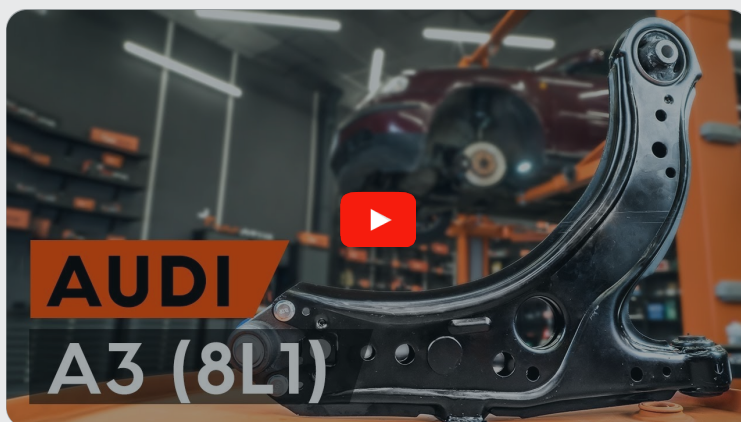




How to change front
lower arm on **Audi A3**
8L1 – replacement guide

VIDEO TUTORIAL

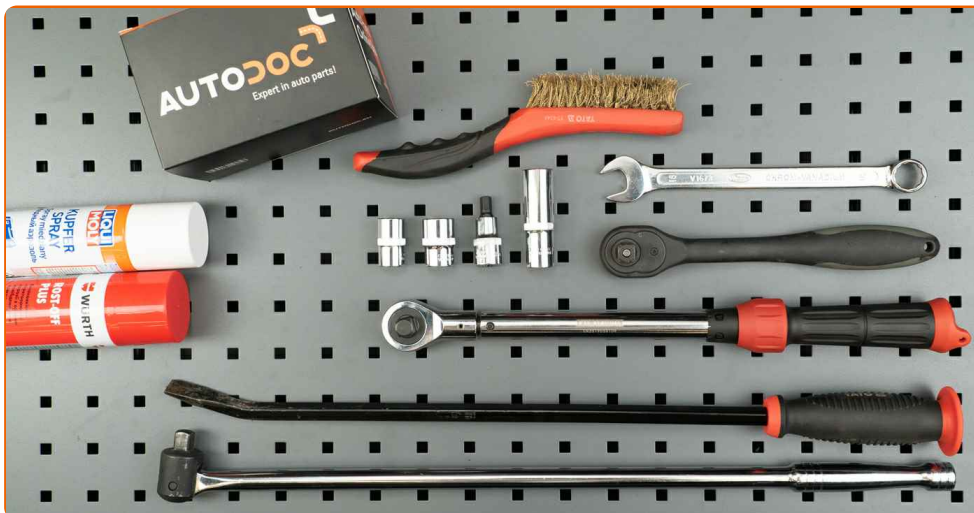
** Important!**

This replacement procedure can be used for:

AUDI A3 Hatchback (8L1) 1.6, AUDI A3 Hatchback (8L1) 1.8 T, AUDI A3 Hatchback (8L1) 1.9 TDI, AUDI A3 Hatchback (8L1) 1.8 T quattro, AUDI A3 Hatchback (8L1) 1.9 TDI quattro

The steps may slightly vary depending on the car design.

REPLACEMENT: FRONT LOWER ARM – AUDI A3 8L1.
LIST OF THE TOOLS YOU'LL NEED:



- Combination spanner #18
- Drive socket # 16
- Drive socket # 18
- HEX bit No.H8.
- WD-40 spray
- Copper grease
- Wire brush
- Torque wrench
- Wheel impact socket #17
- Hydraulic transmission jack
- Crow bar
- Wheel chock

BUY TOOLS

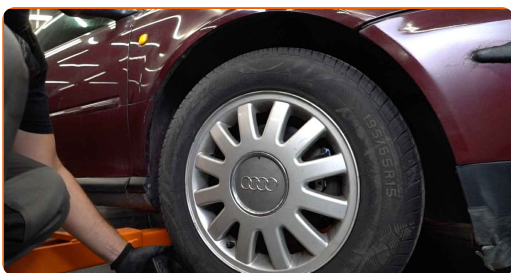
Replacement: front lower arm – Audi A3 8L1. Tip from AUTODOC experts:

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

REPLACEMENT: FRONT LOWER ARM – AUDI A3 8L1. TAKE THE FOLLOWING STEPS:

1

Secure the wheels with chocks.



2

Loosen the wheel mounting bolts. Use wheel impact socket #17.

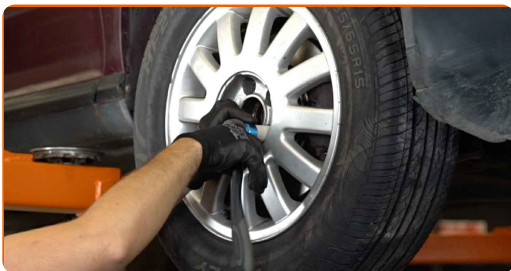


3

Raise the front of the car and secure on supports.



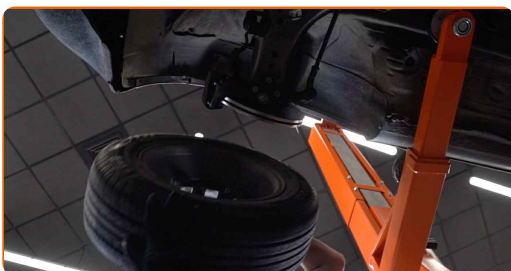
4 Unscrew the wheel bolts.



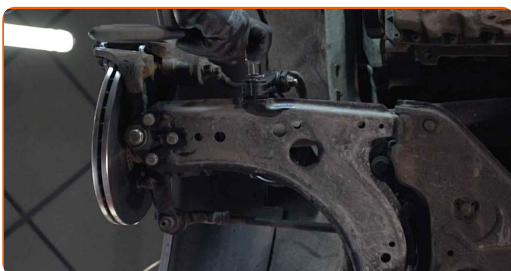
Replacement: front lower arm – Audi A3 8L1. AUTODOC recommends:

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

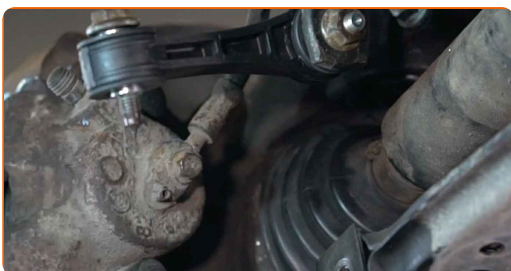
5 Remove the wheel.



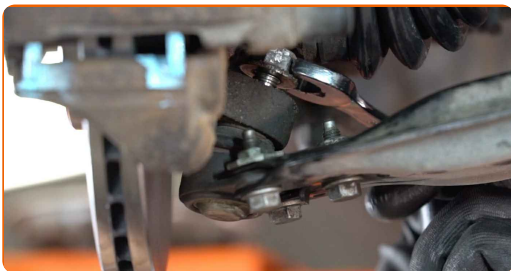
6 Disconnect the transverse stabilizer fastener from the link. Use a drive socket #16. Use HEX No.H8.



7 Turn the stabilizer.



8 Unscrew the ball joint fastening nut. Use a combination spanner #18.



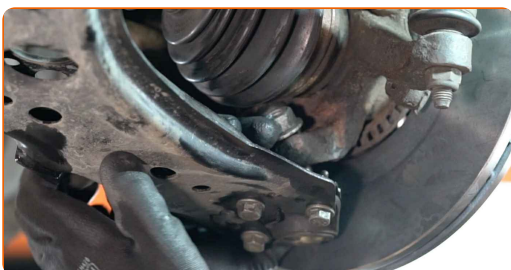
9 Unscrew the front arm fastener. Use a drive socket #16.



10 Unscrew the rear arm fastener. Use a drive socket #18.



11 Unscrew the ball joint fastening to the steering knuckle.



12 Remove the arm.

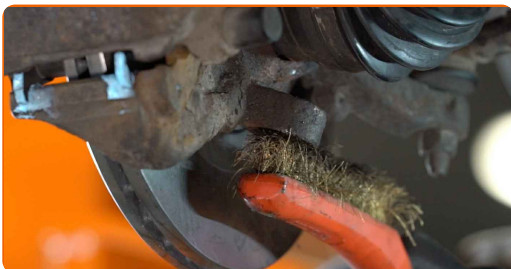


Replacement: front lower arm – Audi A3 8L1. Professionals recommend:

- If necessary, use a crowbar.

13

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



Replacement: front lower arm – Audi A3 8L1. Tip from AUTODOC:

- Wear protective goggles.

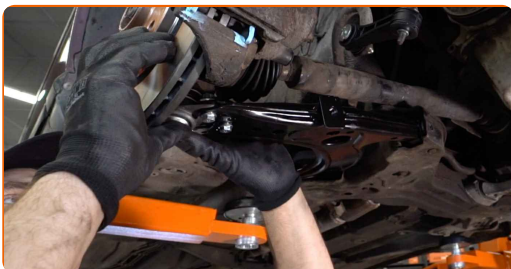
14

Install a new arm.



15

Insert the ball joint into the steering knuckle and fix it with a new nut.



Replacement: front lower arm – Audi A3 8L1. AUTODOC experts recommend:

- Do not damage the ball joint cover.

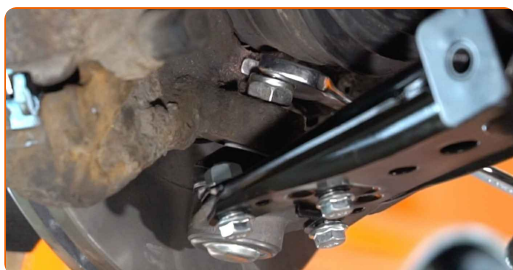
16 Install the front fastener of the arm. Do not tighten it.



17 Install the rear fastener of the arm.



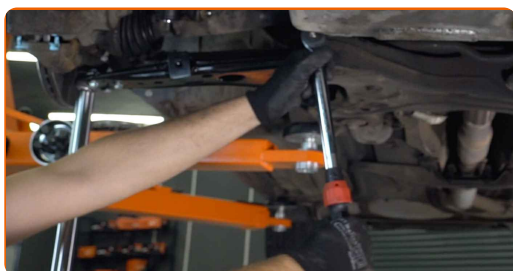
18 Tighten the ball joint fastening nut. Use a combination spanner #18.



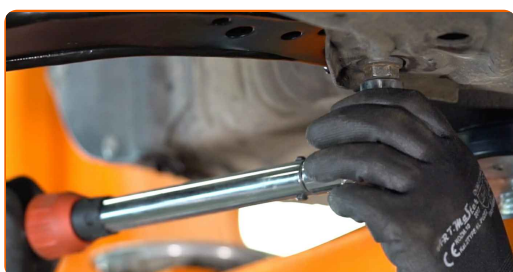
19 Support the arm. Use a hydraulic transmission jack.



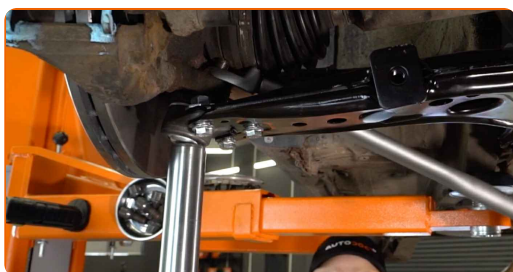
- 20** Screw the front arm fastener. Important! Be sure to use new fasteners. Use a drive socket #16. Use a torque wrench. Tighten it to 70 Nm torque.+90°



- 21** Screw the rear arm fastener. Important! Be sure to use new fasteners. Use a drive socket #18. Use a torque wrench. Tighten it to 70 Nm torque.+90°



- 22** Tighten the ball joint fastening nut. Important! Be sure to use new fasteners. Use a combination spanner #18. Use a torque wrench. Tighten it to 45 nm torque.

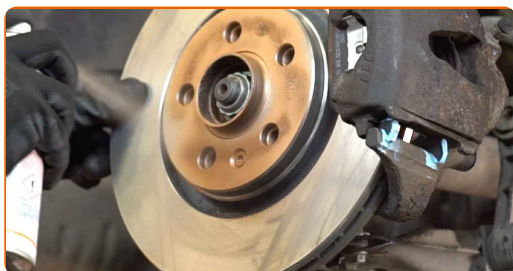


- 23** Install the rod fastening to the stabilizer and tighten it. Important! Be sure to use new fasteners. Use a drive socket #16. Use HEX No.H8. Use a torque wrench. Tighten it to 15 Nm torque.+90°



24

Clean the wheel rim mounting seat. Use a wire brush. Treat the contacting surface. Use copper grease.



25

Install the wheel.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. Audi A3 8L1

26

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 a torque wrench. Tighten it to 120 nm torque.



28

Remove the jacks and chocks.



WELL DONE! 

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