



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

VIDEO TUTORIAL



i Important!

This replacement procedure can be used for:

AUDI A3 Hatchback (8P1) 1.6 E-Power, AUDI A3 Sportback (8PA) 1.6 E-Power, AUDI A3 Sportback (8PA) RS3 quattro, AUDI A3 Convertible (8P7) 1.4 TFSI, AUDI A3 Hatchback (8P1) 2.0 FSI, AUDI A3 Hatchback (8P1) 1.6, AUDI A3 Hatchback (8P1) 2.0 TDI 16V, AUDI A3 Hatchback (8P1) 1.9 TDI, AUDI A3 Hatchback (8P1) 2.0 TDI, AUDI A3 Hatchback (8P1) 3.2 V6 quattro, AUDI A3 Hatchback (8P1) 1.6 FSI, AUDI A3 Sportback (8PA) 1.6, AUDI A3 Sportback (8PA) 1.9 TDI, AUDI A3 Sportback (8PA) 1.6 FSI, AUDI A3 Sportback (8PA) 2.0 FSI, (+ 32)

The steps may slightly vary depending on the car design.

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



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #16
- Combination spanner #18
- Drive socket # 16
- Drive socket # 18
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Tap wrench
- Hydraulic transmission jack
- Wheel chock

BUY TOOLS

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

- 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 8PA. USE THE FOLLOWING PROCEDURE:

1

Secure the wheels with chocks.



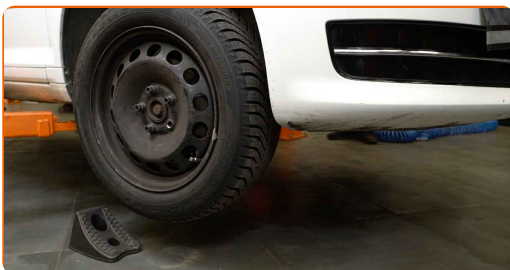
2

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 8PA. Tip:

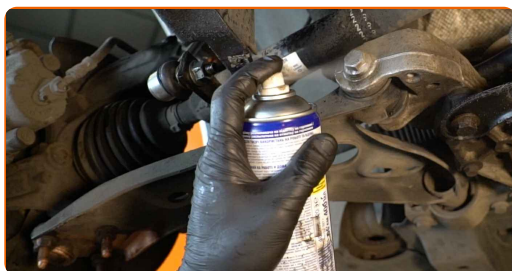
- To avoid injury, hold up the wheel when unscrewing the bolts.

5

Remove the wheel.

6

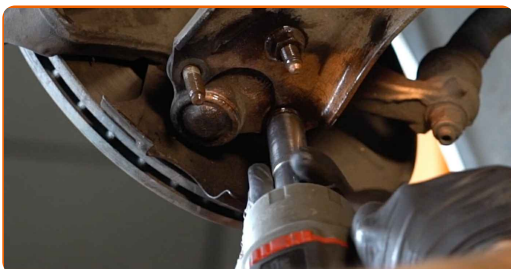
Clean all joints of the arm. Use a wire brush. Use WD-40 spray.



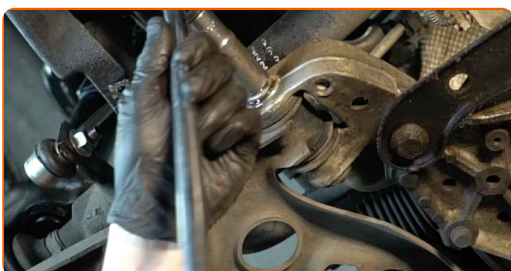
AUTODOC recommends:

- Replacement: front lower arm – Audi A3 8PA. After applying the spray, wait a few minutes.
- Wear protective goggles.

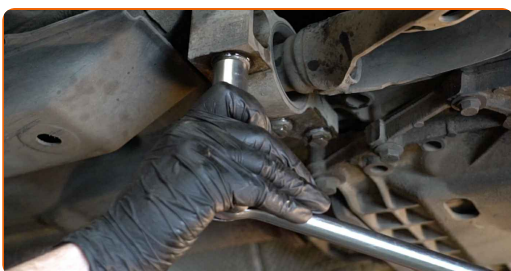
- 7 Unscrew the fastener connecting the ball joint to the suspension control arm. Use a drive socket #16. Use a tap wrench.



- 8 Unscrew the front arm fastener. Use a drive socket #18. Use a tap wrench.



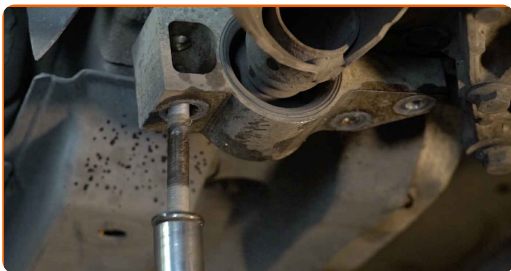
- 9 Unscrew the rear fastener connecting the control arm to the car body. Use a drive socket #18. Use a tap wrench.



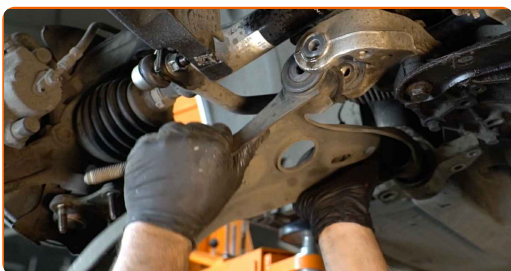
- 10 Unscrew the rear fastener connecting the control arm to the subframe. Use a drive socket #16. Use a tap wrench.



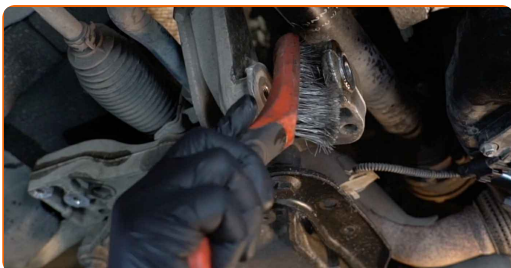
11 Remove the fastening bolts. Use a drive socket #18. Use a drive socket #16.



12 Remove the arm.



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



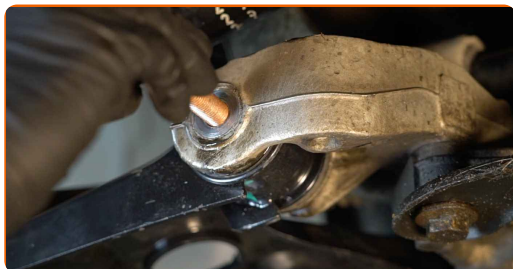
14 Install a new arm.



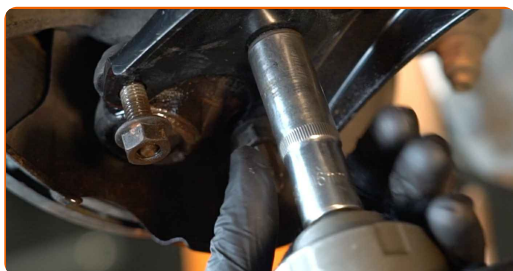
Replacement: front lower arm – Audi A3 8PA. AUTODOC recommends:

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

- 15** Install the front fastener of the arm.



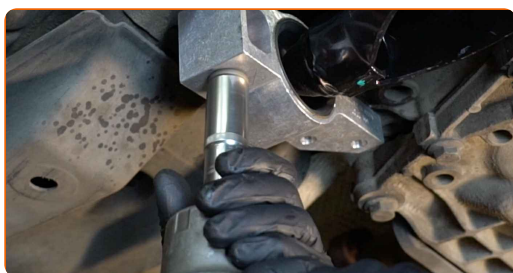
- 16** Screw the fasteners of the ball joint. Use a drive socket #16. Use a ratchet wrench.



- 17** Install the rear fastener of the arm.

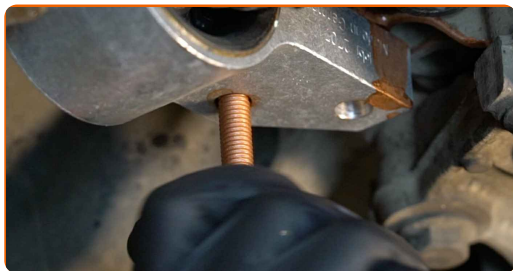


- 18** Screw the rear fastener connecting the control arm to the car body. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.



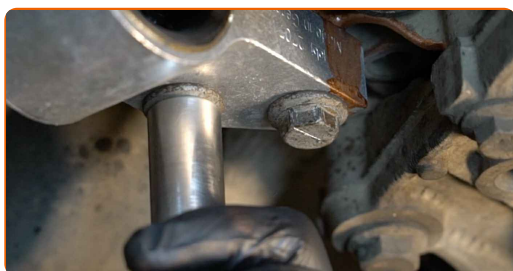
19

Install the rear fastener of the arm.



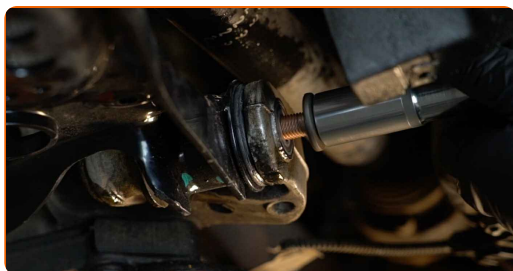
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Screw the rear fastener connecting the control arm to the subframe. Use a combination spanner #16. Use a drive socket #16. Use a ratchet wrench.



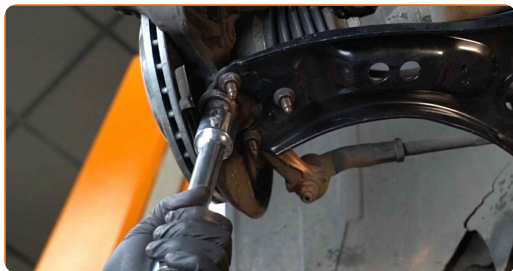
21

Screw the front arm fastener. Use a drive socket #18. Use a ratchet wrench.



22

Support the arm. Use a hydraulic transmission jack.



- 23 Tighten the front fastener connecting the control arm to the subframe. Use a drive socket #18. Use a torque wrench. Tighten it to 70 Nm torque.+180°



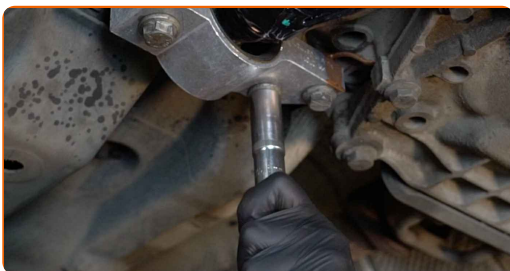
AUTODOC recommends:

- Important! Be sure to use new fasteners.

- 24 Tighten the ball joint fastener. Use a drive socket #16. Use a torque wrench. Tighten it to 60 nm torque.



- 25 Tighten the rear fastener connecting the arm to the body subframe. Use a drive socket #16. Use a torque wrench. Tighten it to 50 Nm torque.+90°



AUTODOC recommends:

- Important! Be sure to use new fasteners.

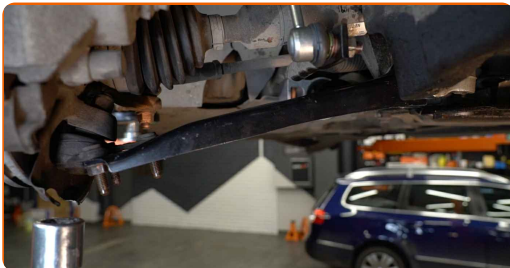
- 26 Tighten the rear fastener connecting the arm to the car body. Use a drive socket #18. Use a torque wrench. Tighten it to 70 Nm torque.+90°



AUTODOC recommends:

- Important! Be sure to use new fasteners.

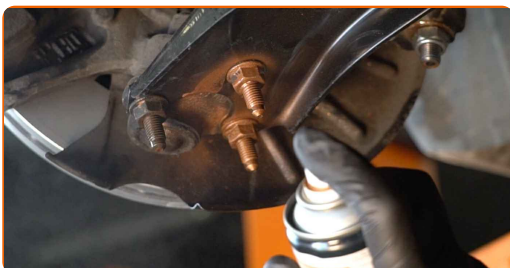
- 27 Remove the support from under the arm.



AUTODOC recommends:

- Replacement: front lower arm – Audi A3 8PA. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

- 28 Treat all joints of the arm. Use copper grease.



29

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



30

Clean the brake disk surface. Use a brake cleaner.



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

- After applying the spray, wait a few minutes.

31

Install the wheel.



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

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

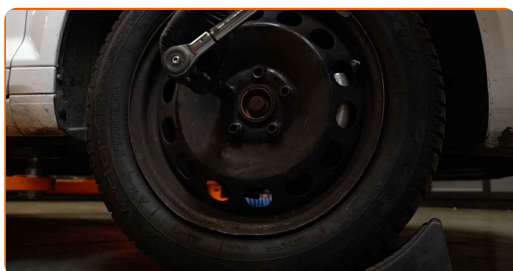
32

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



33

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.



34

Remove the jacks and chocks.



WELL DONE! 

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