



How to change front
lower arm on **AUDI A6**
Avant (4F5, C6) –
replacement guide

SIMILAR VIDEO TUTORIAL



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

ⓘ Important!

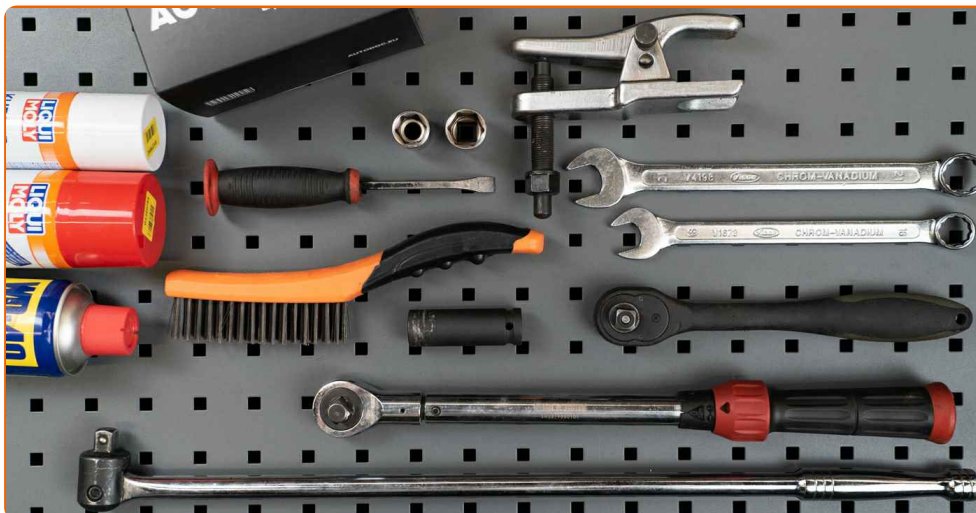
This replacement procedure can be used for:

AUDI A6 Avant (4F5, C6) 3.0 TFSI quattro, AUDI A6 Avant (4F5, C6) 2.0 TDI, AUDI A6 Avant (4F5, C6) 2.7 TDI, AUDI A6 Avant (4F5, C6) 3.0 TDI quattro, AUDI A6 Avant (4F5, C6) 3.2 FSI, AUDI A6 Avant (4F5, C6) 3.2 FSI quattro, AUDI A6 Avant (4F5, C6) 4.2 quattro, AUDI A6 Avant (4F5, C6) 2.4, AUDI A6 Avant (4F5, C6) 2.4 quattro, AUDI A6 Avant (4F5, C6) 2.7 TDI quattro, AUDI A6 Avant (4F5, C6) 2.0 TFSI, AUDI A6 Avant (4F5, C6) S6 quattro, AUDI A6 Avant (4F5, C6) 4.2 FSI quattro, AUDI A6 Avant (4F5, C6) 2.8 FSI, AUDI A6 Avant (4F5, C6) 3.0 quattro, (+ 2)

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 A6 Saloon (4F2, C6) 2.0 TDI

REPLACEMENT: FRONT LOWER ARM – AUDI A6 AVANT (4F5, C6). LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #18
- Combination spanner #21
- Drive socket # 18
- Drive socket # 21
- Wheel impact socket #17
- Torque wrench
- Tap wrench
- Ball joint puller
- Crow bar
- Hydraulic transmission jack
- Wheel chock

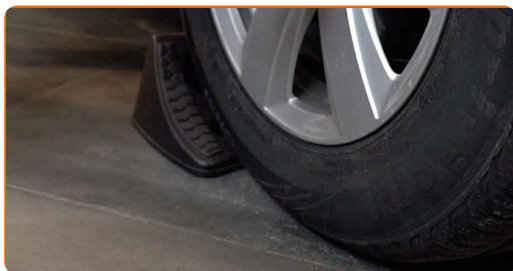
Buy tools

Replacement: front lower arm – AUDI A6 Avant (4F5, C6). 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: FRONT LOWER ARM – AUDI A6 AVANT (4F5, C6). TAKE THE FOLLOWING STEPS:

1 Secure the wheels with chocks.

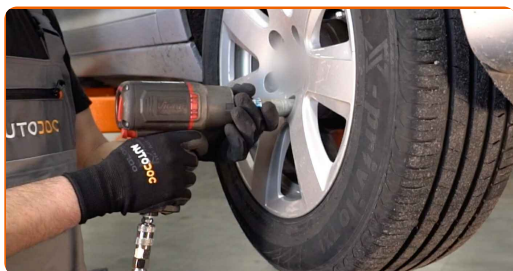


2 Loosen the wheel mounting bolts. Use wheel impact socket #17.



3 Raise the front of the car and secure on supports.

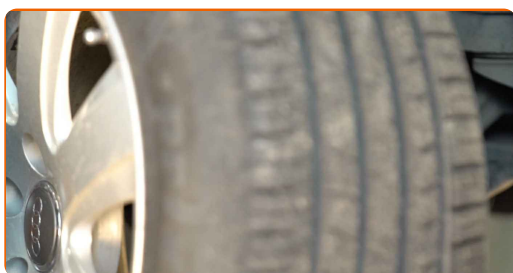
4 Unscrew the wheel bolts.



Replacement: front lower arm – AUDI A6 Avant (4F5, C6). 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.

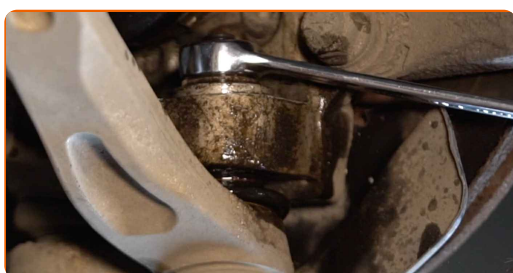


AUTODOC recommends:

- Replacement: front lower arm – AUDI A6 Avant (4F5, C6). After applying the spray, wait a few minutes.
- Wear protective goggles.

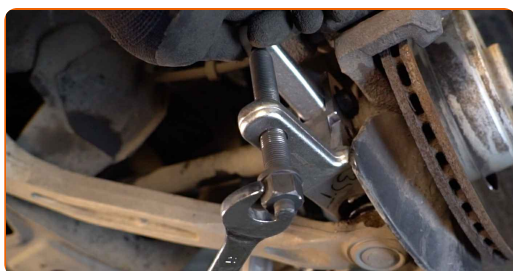
7

Unscrew the ball joint fastening to the steering knuckle. Use a drive socket #21. Use a tap wrench.



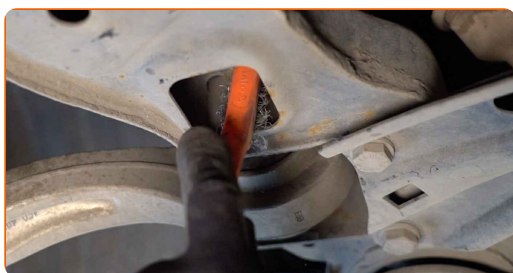
8

Disconnect the ball joint from the steering knuckle. Use a ball joint puller.



9

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



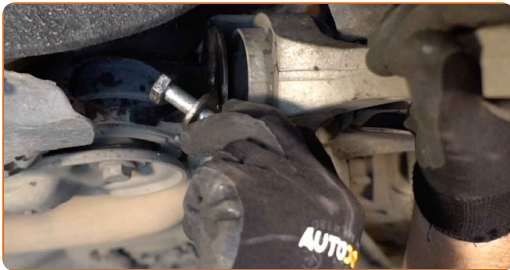
Replacement: front lower arm – AUDI A6 Avant (4F5, C6). AUTODOC recommends:

- After applying the spray, wait a few minutes.
- Wear protective goggles.

10 Unscrew the rear fastener connecting the control arm to the subframe. Use a combination spanner #18 (2 pieces).



11 Remove the fastening bolt. Use a crowbar.

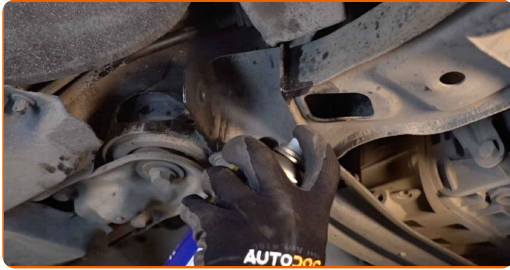


12 Remove the arm.



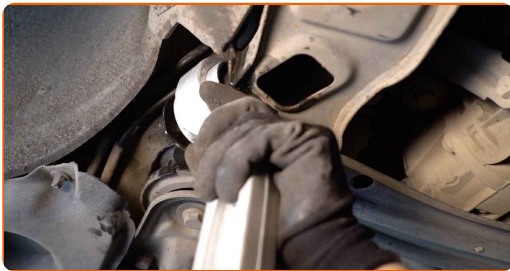
13

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



14

Install a new arm.

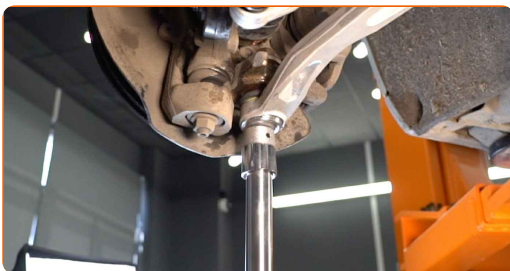


Replacement: front lower arm – AUDI A6 Avant (4F5, C6). AUTODOC experts recommend:

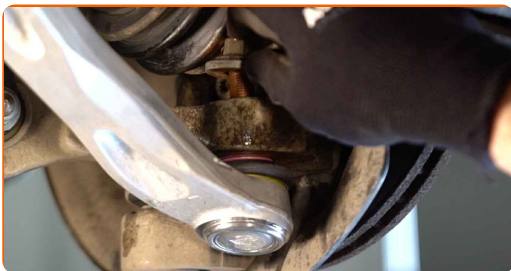
- During the installation process, use only new bolts and nuts.
- Do not damage the ball joint cover.

15

Support the arm. Use a hydraulic transmission jack.



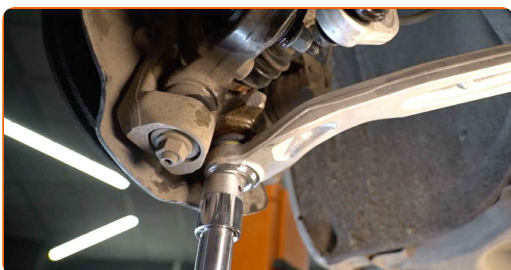
16 Connect the ball joint to the steering knuckle.



17 Install the fastening bolt. Use a combination spanner #21.



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



19 Screw the rear fastener connecting the control arm to the subframe. Use a combination spanner #18. 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.

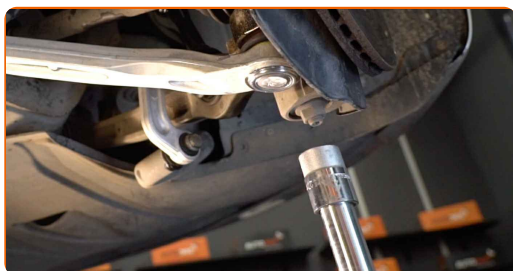
20

Tighten the ball joint fastener. Use a drive socket #21. Use a torque wrench. Tighten it to 110 Nm torque.



21

Remove the support from under the arm.

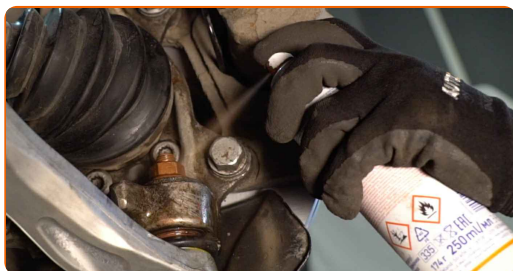


AUTODOC recommends:

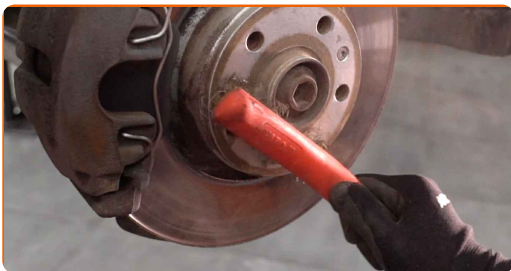
- Replacement: front lower arm – AUDI A6 Avant (4F5, C6). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

22

Treat all joints of the arm. Use copper grease.

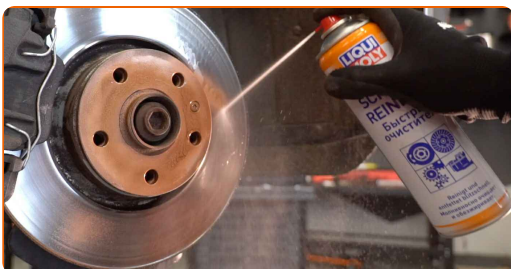


23 Clean the wheel rim mounting seat. Use a wire brush.



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

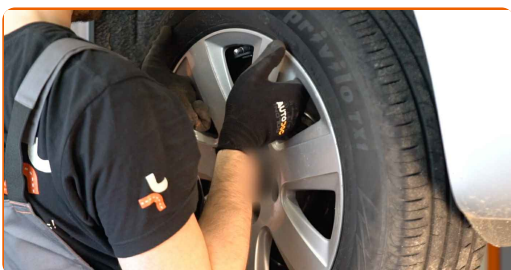
25 Clean the brake disk surface. Use a brake cleaner.



Replacement: front lower arm – AUDI A6 Avant (4F5, C6). Professionals recommend:

- After applying the spray, wait a few minutes.

26 Install the wheel.

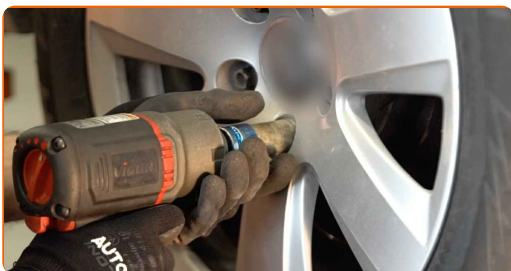


AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. AUDI A6 Avant (4F5, C6)

27

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



28

Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 120 nm torque.



29

Remove the jacks and chocks.



WELL DONE! 

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