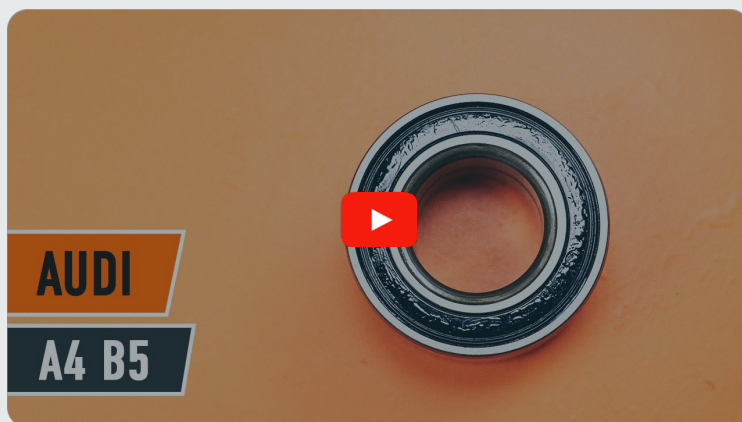




How to change front  
wheel bearing on **Audi**  
**A4 B5 Avant** –  
replacement guide

## VIDEO TUTORIAL



### **i Important!**

This replacement procedure can be used for:

AUDI A4 Saloon (8D2, B5) 1.6, AUDI A4 Saloon (8D2, B5) 1.8, AUDI A4 Saloon (8D2, B5) 1.8 T, AUDI A4 Saloon (8D2, B5) 1.9 TDI, AUDI A4 Saloon (8D2, B5) 1.8 quattro, AUDI A4 Saloon (8D2, B5) 1.8 T quattro, AUDI A4 Avant (8D5, B5) 1.6, AUDI A4 Avant (8D5, B5) 1.8, AUDI A4 Avant (8D5, B5) 1.9 TDI, AUDI A4 Avant (8D5, B5) 1.8 quattro, AUDI A4 Avant (8D5, B5) 1.8 T quattro, AUDI A4 Saloon (8D2, B5) 1.9 TDI quattro, AUDI A4 Avant (8D5, B5) 1.9 TDI quattro, AUDI A6 Saloon (4B2, C5) 1.8 T, AUDI A6 Saloon (4B2, C5) 1.8 T quattro, (+ 5)

The steps may slightly vary depending on the car design.

## REPLACEMENT: WHEEL BEARING – AUDI A4 B5 AVANT. TOOLS YOU NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Sealant
- Combination spanner #17
- Combination spanner #18
- Drive socket # 13
- Drive socket # 16
- Drive socket # 17
- Drive socket # 18
- Drive socket # 24
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Bush and bearing driver set
- Pin punch
- Hammer
- Flat chisel
- Crow bar
- Rubber mallet
- Wheel chock

**BUY TOOLS**

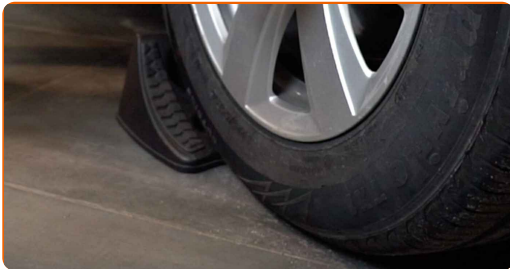
### Replacement: wheel bearing – Audi A4 B5 Avant. AUTODOC experts recommend:

- The wheel hub bearing replacement procedure is identical for both wheels on the same axle.
- Do not re-use the bearing assembly of your Audi A4 B5 Avant car.
- All work should be done with the engine stopped.

## REPLACEMENT: WHEEL BEARING – AUDI A4 B5 AVANT. RECOMMENDED SEQUENCE OF STEPS:

1

Secure the wheels with chocks.



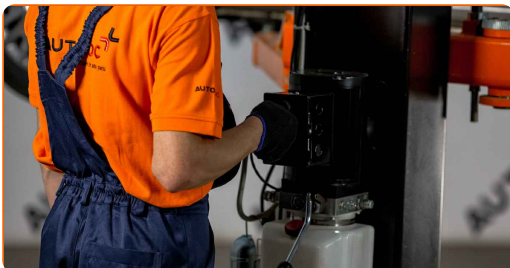
2

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: wheel bearing – Audi A4 B5 Avant. AUTODOC experts recommend:

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

5

Remove the wheel.

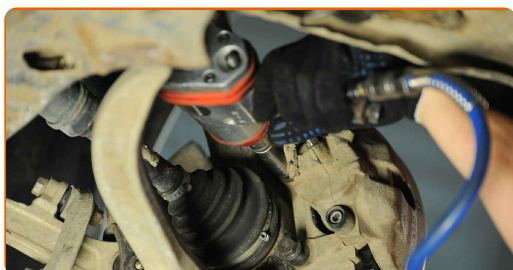


6

Clean the brake caliper bracket fasteners. Use a wire brush. Use WD-40 spray.

7

Unscrew the caliper bracket fastening. Use a drive socket #17. Use a ratchet wrench.

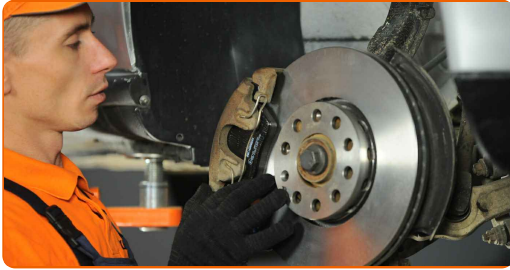


8

Remove the fastening bolts (2 pieces).

9

Remove the brake caliper together with its bracket.



### Replacement: wheel bearing – Audi A4 B5 Avant. Professionals recommend:

- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- Make sure that the brake caliper is not hanging on the brake hose.
- Don't press the brake pedal after the brake caliper has been removed. As a result, the piston can fall out from the brake cylinder, and brake fluid leakage and depressurization of the system may occur.
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

10

Remove the brake disc.



11

Clean the wheel hub fastener. Use a wire brush. Use WD-40 spray.

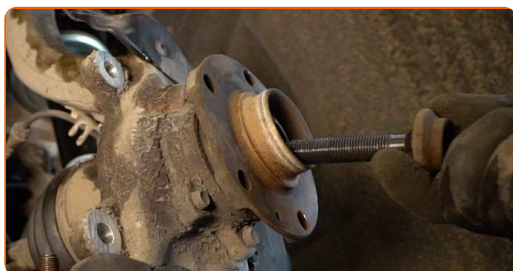
12

Unscrew the wheel hub axle nut. Use a drive socket #24. Use a ratchet wrench.



13

Remove the fastening bolt.

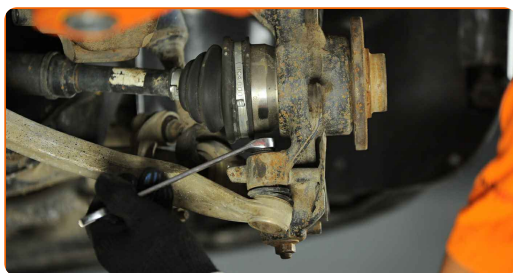


14

Clean the fastener that connects the ball joint to the steering knuckle. Use a wire brush. Use WD-40 spray.

15

Unscrew the ball joint fastening to the steering knuckle. Use a combination spanner #18.

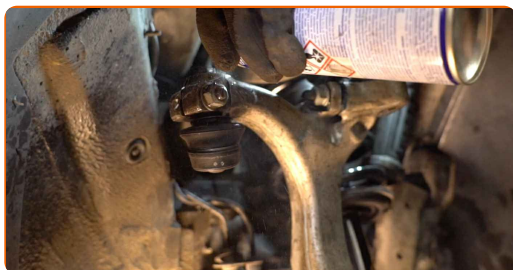


16

Disconnect the lower arm from the steering knuckle. Use a crowbar. Use a rubber mallet.

17

Clean the fastener connecting the tie rod end to the steering knuckle. Use a wire brush. Use WD-40 spray.





**18.1** Unscrew the end fastening nut to the steering knuckle.



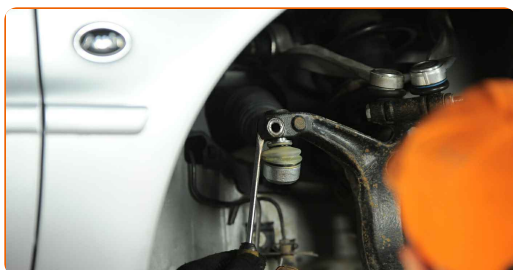
**18.2** Use a drive socket #13. Use a drive socket #16. Use a ratchet wrench.



**19** Remove the fastening bolt.



**20** Disconnect the tie rod end from the steering knuckle. Use a flat metal-working chisel. Use a hammer.



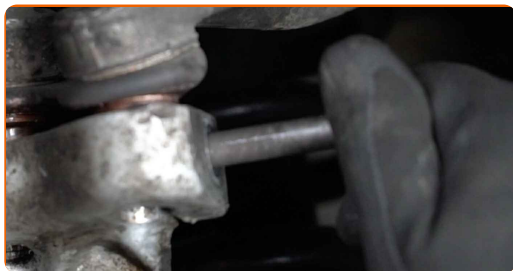
**21** Unscrew the upper arm fastenings. Use a combination spanner #17. Use a drive socket #17. Use a ratchet wrench.





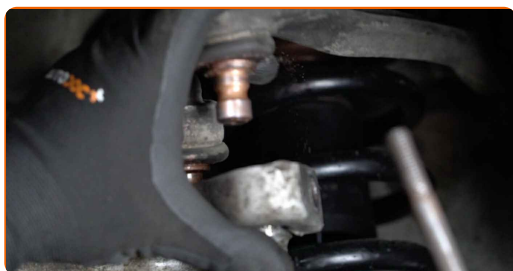
22

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



23

Remove the control arms. Use a flat metal-working chisel. Use a hammer.



24

Remove the fastening nut.

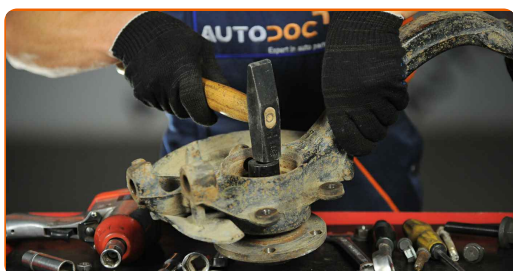
25

Remove the steering knuckle together with the hub.



26

Remove the wheel hub from the steering knuckle. Use a bush and bearing driver set. Use a hammer.



27

Press out the wheel hub bearing. Use a bush and bearing driver set. Use a hammer.



28

Clean the hub bearing mounting seat. Use a wire brush. Use WD-40 spray.



29

Press the new bearing in the steering knuckle. Use a bush and bearing driver set. Use a hammer.

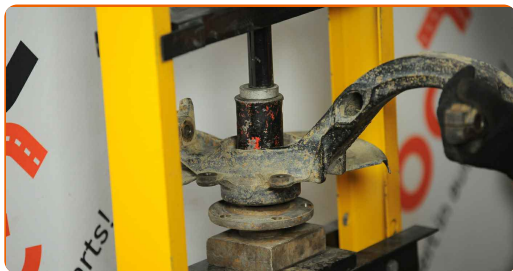


### Replacement: wheel bearing – Audi A4 B5 Avant. Tip from AUTODOC:

- Check to make sure the wheel hub bearing is positioned correctly. Avoid its misalignment.
- Stop pressing on the surface of the bearing immediately after it has been fitted into its mounting seat.

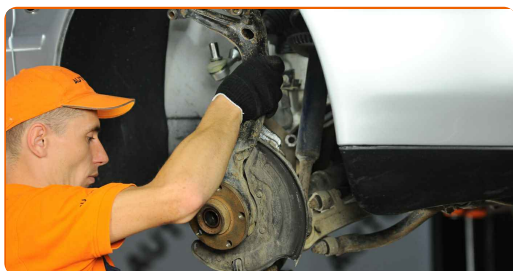
30

Install the wheel hub on the steering knuckle. Use a bush and bearing driver set.



31

Install the steering knuckle with a hub in assembly.

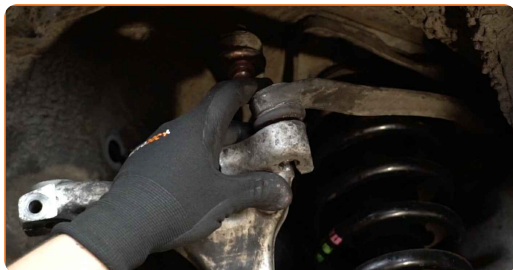


32

Install the fastening nut.

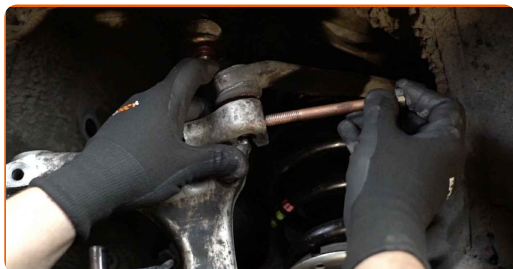
33

Install the control arms Use a rubber mallet.

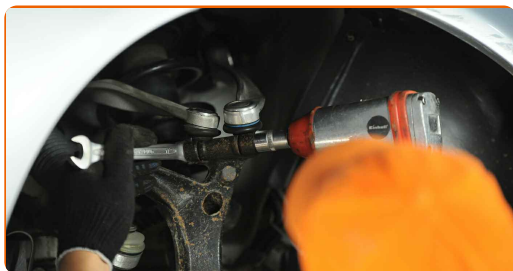


34

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

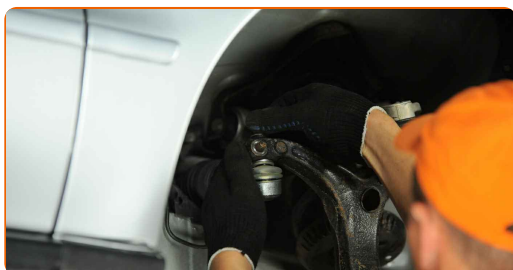


- 35** Tighten the upper arm fastenings. Use a combination spanner #17. Use a drive socket #17. Use a torque wrench. Tighten it to 40 Nm torque.

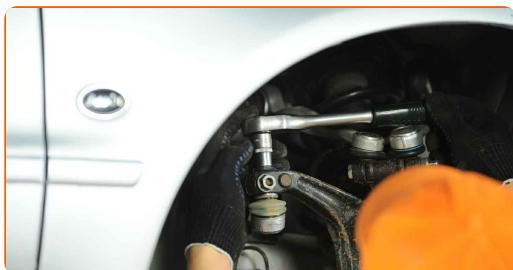


- 36** Connect the tie rod end to the steering knuckle. Use a rubber mallet.

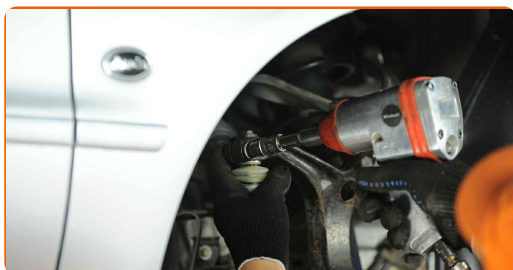
- 37** Install the fastening bolt.



- 38** Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #13. Use a torque wrench. Tighten it to 7 nm torque.

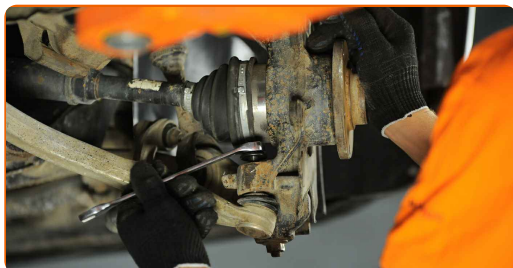


- 39** Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #16. Use a torque wrench. Tighten it to 50 nm torque.

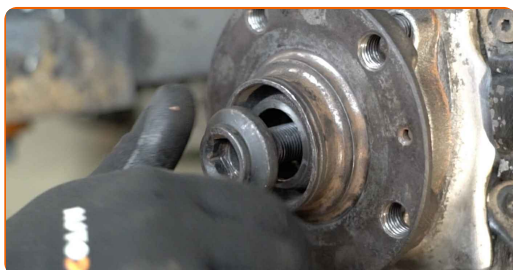


40 Connect the lower control arm to the steering knuckle.

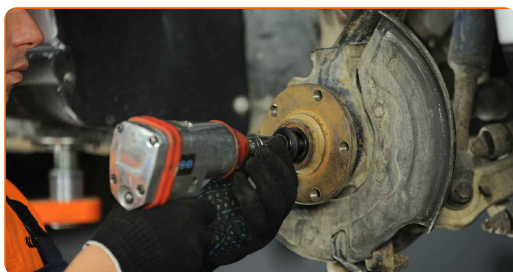
41 Tighten the fastener connecting the ball joint to the steering knuckle. Use a combination spanner #18. Use a drive socket #18. Use a torque wrench. Tighten it to 100 Nm torque.



42 Install the fastening bolt.



43 Tighten the hub. Use a drive socket #24. Use a torque wrench. Tighten it to 115 Nm torque.+180°

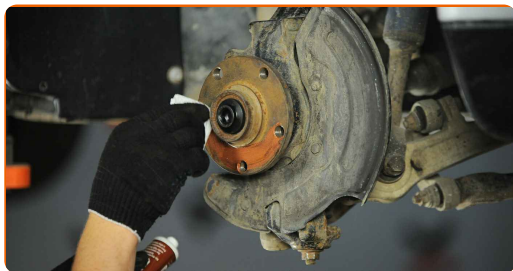


### AUTODOC recommends:

- Important! Be sure to use new fasteners.

44

Clean the hub. Use a wire brush. Treat the contacting surface. Use copper grease.



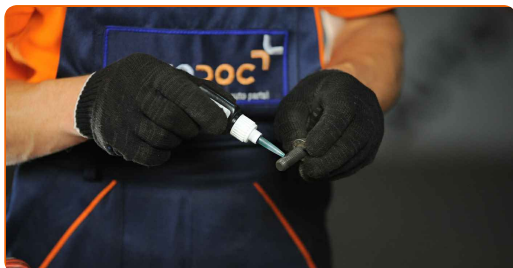
45

Install the brake disc.



46

Treat the fastening bolts. Use a sealant.



47

Clean the mounting seats of the caliper and its bracket. Use a wire brush. Use WD-40 spray.

48

Install the brake caliper together with its bracket.

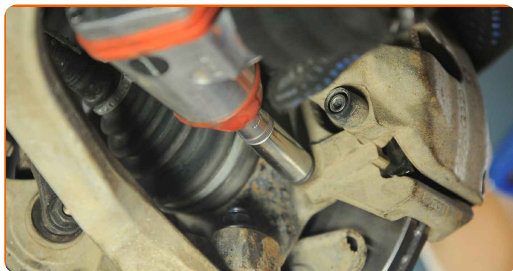


49

Install the fastening bolts (2 pieces).



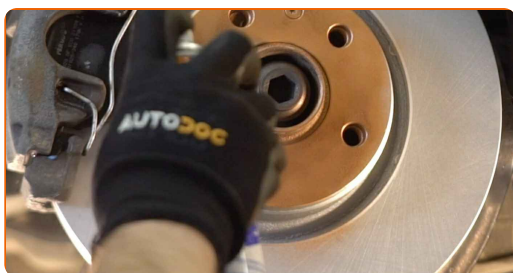
**50** Tighten the brake caliper bracket. Use a drive socket #17. Use a torque wrench. Tighten it to 125 Nm torque.



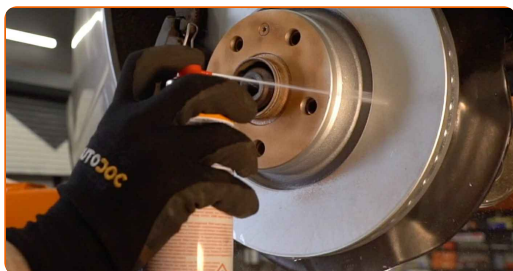
**51** Treat the fastener connecting the tie rod end to the steering knuckle. Treat the fasteners of the ball joint. Treat the fasteners connecting the control arm to the steering knuckle. Use copper grease.



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



**53** Clean the brake disk surface. Use a brake cleaner.



### AUTODOC recommends:

- Replacement: wheel bearing – Audi A4 B5 Avant. After applying the spray, wait a few minutes.

54

Install the wheel.



### Replacement: wheel bearing – Audi A4 B5 Avant. Tip:

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

55

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



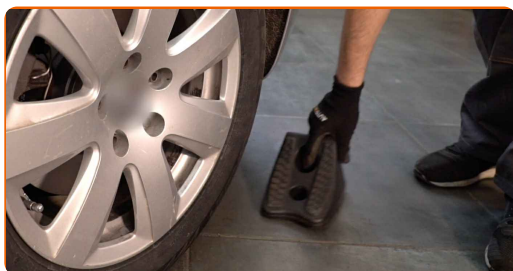
56

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.



57

Remove the jacks and chocks.



**WELL DONE!** 

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