VIDEO TUTORIAL

## ⓘ Important!

This replacement procedure can be used for:
AUDI A4 (8E2, B6) 1.9 TDI, AUDI A4 Avant (8E5, B6) 1.9 TDI

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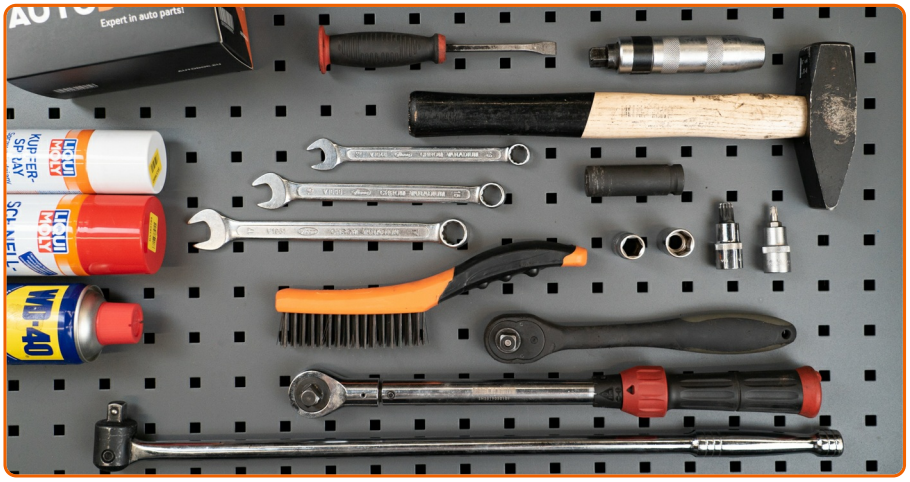
The steps may slightly vary depending on the car design.

# REQUIRED TOOLS:




- Wire brush
- WD-40 spray
- All-purpose cleaning spray
- Brake cleaner
- Copper grease
- Combination spanner #13
- Combination spanner #15
- Drive socket # 13
- HEX bit no.H8.
- HEX bit no.H19.
- Wheel impact socket #17
- Brake caliper wind back tool
- Torque wrench
- Tap wrench
- Rubber mallet
- Hammer
- Crow bar
- Wheel chock

## AUTODOC recommends:

- Do not re-use the bearing assembly of your AUDI A4 B6 (8E5) car.
- The wheel hub bearing replacement procedure is identical for both wheels on the same axle.
- All work should be done with the engine stopped.

## CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

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:

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

5

Remove the wheel.

6

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

7

Unscrew the brake caliper fastening. Use a combination spanner #13. Use a combination spanner #15.

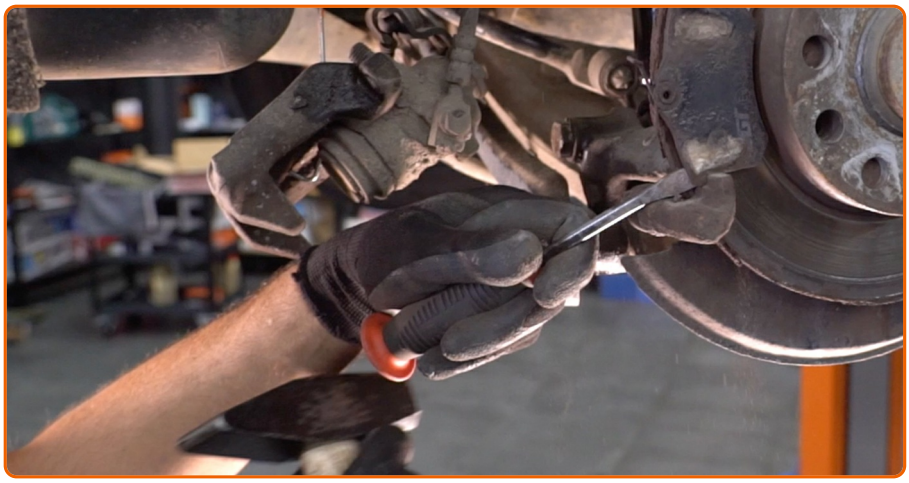
8

Remove the brake caliper. Use a crowbar.

## AUTODOC recommends:

- 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.

9



Remove the brake pads. Use a crowbar.

10

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

11

Unscrew the caliper bracket fastening. Use HEX No.H8.

12

Remove the caliper bracket

13

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

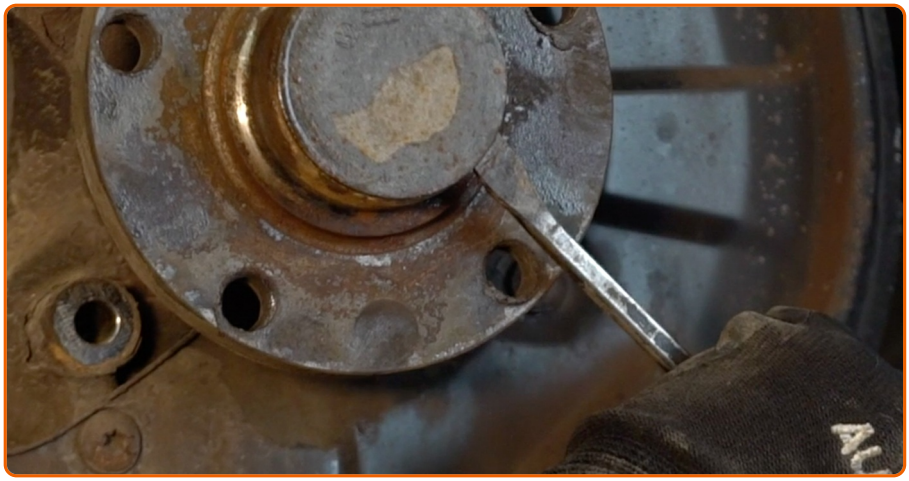
14

Remove the retaining ring. Use a crowbar.

15

Remove the brake disc.

16

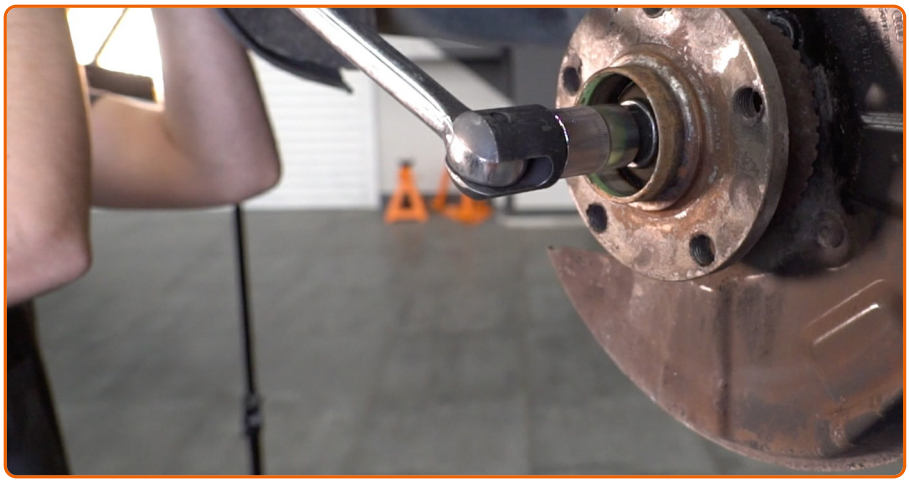


Remove the hub bearing protection cap. Use a hammer. Use a crowbar.

## AUTODOC recommends:

- Some cars are not equipped with wheel hub caps.

17



Unscrew the hub bearing mounting. Use HEX No.H19. Use a tap wrench.

18

Remove the fastening bolt.

19

Remove the hub and the bearing together, since they are a sealed unit.

20

Clean the hub bearing mounting seat. Use all-purpose cleaning spray.

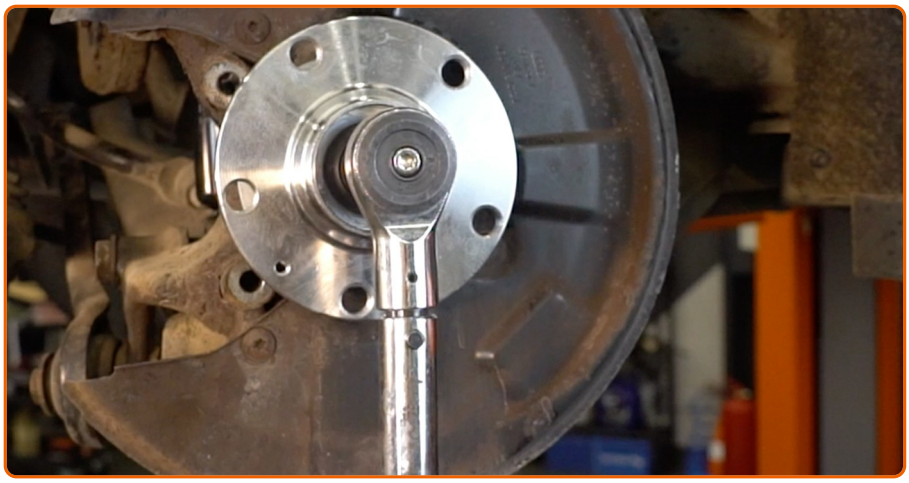
21

Install the new wheel hub with a bearing.

22

Install the fastening bolt.

23



Tighten the fastener of the wheel hub bearing. Use HEX No.H19. Use a torque wrench. Tighten it to 145 nm torque.

## AUTODOC recommends:

- The wheel bearing unit must not tilt on the axle pin.

24

Install the hub bearing protection cap. Use a rubber mallet.

25

Treat the hub where it contacts the brake disk. Use copper grease.

26

Install the brake disc.

27

Install the retaining ring.

28

Clean the brake caliper bracket from dirt and dust. Use a wire brush. Use a brake cleaner.

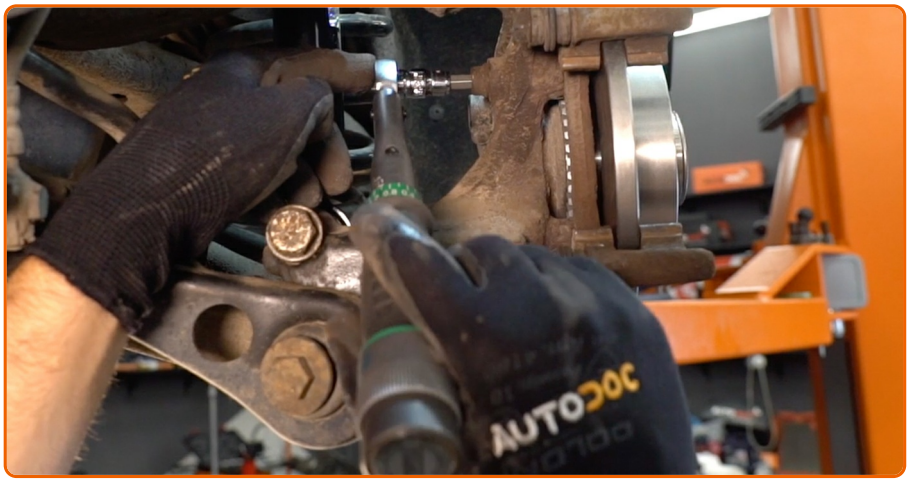
## AUTODOC recommends:

- After applying the spray, wait a few minutes.

29

Install the brake caliper bracket.

30




Tighten the brake caliper bracket. Use HEX No.H8. Use a torque wrench. Tighten it to 45 Nm torque.

31

Treat the brake caliper piston. Use a brake cleaner.

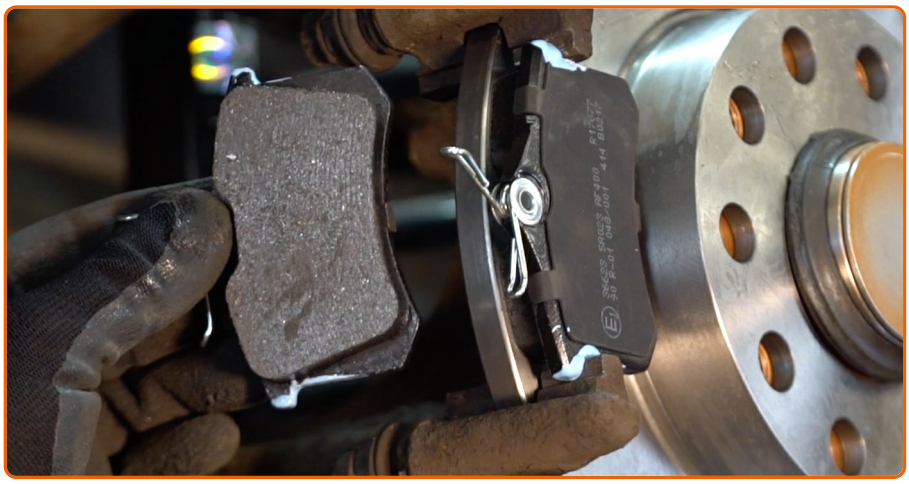
## AUTODOC recommends:

- After applying the spray, wait a few minutes.

32

Press in the brake caliper piston. Use brake caliper wind back tool.

33

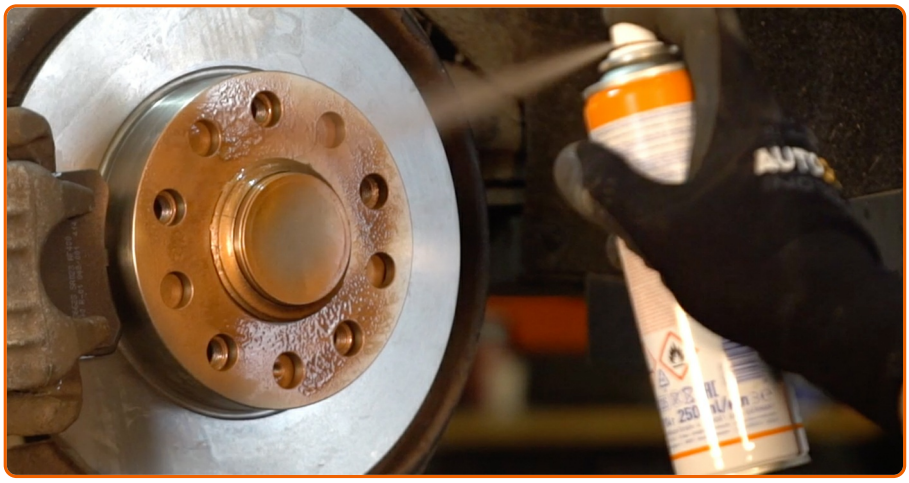


Install the brake pads.

34

Install the brake caliper and fix it. Use a drive socket #13. Use a combination spanner #15. Use a torque wrench. Tighten it to 35 Nm torque.

35



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

36

Clean the brake disk surface. Use a brake cleaner.

## AUTODOC recommends:

- After applying the spray, wait a few minutes.

37

Install the wheel.

## AUTODOC recommends:

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

38

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

39

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

40

Remove the jacks and chocks.

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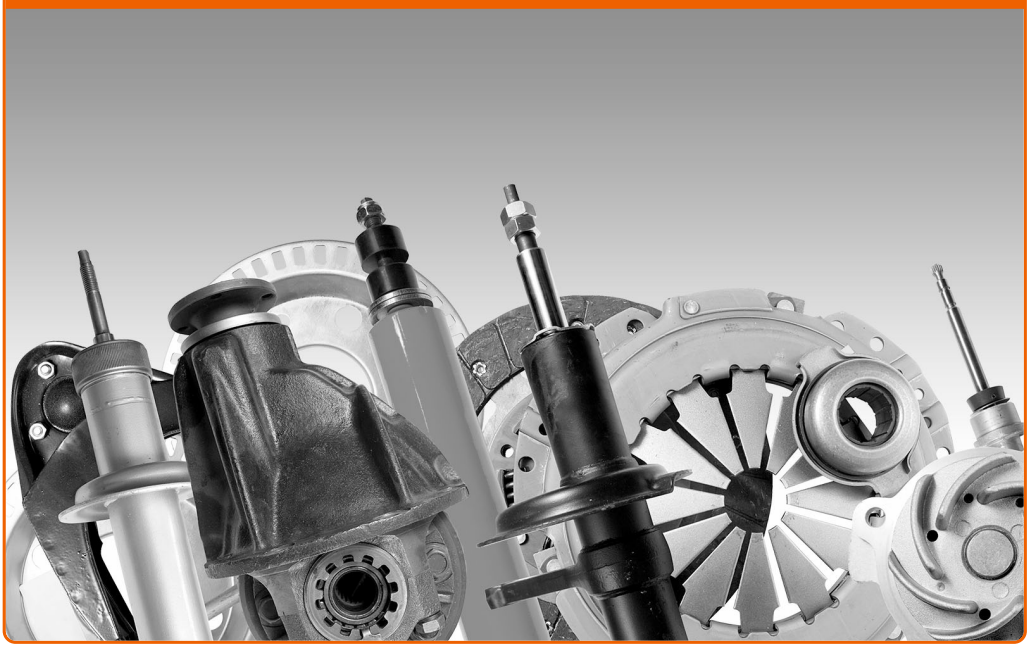

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