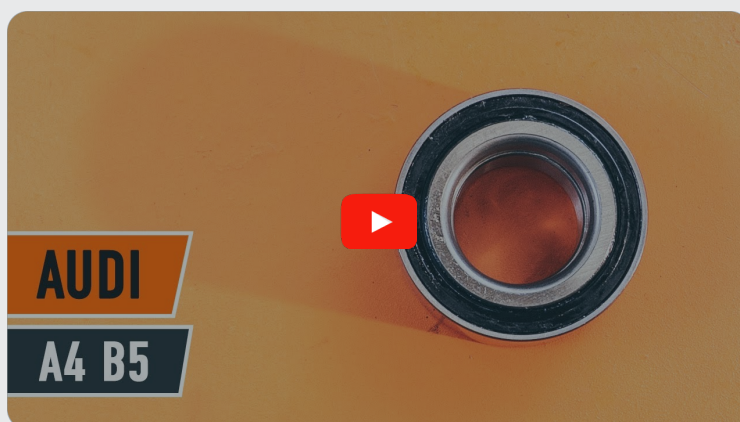




How to change front
wheel bearing on **AUDI**
90 B2 (81, 85) –
replacement guide

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 90 B2 (81, 85) 2.0, AUDI 90 B2 (81, 85) 2.2

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 A4 Saloon (8D2, B5) 1.6

REPLACEMENT: WHEEL BEARING – AUDI 90 B2 (81, 85). LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Torque wrench
- Combination spanner #16
- Drive socket # 16
- Drive socket # 17
- HEX bit No.H14
- Wheel impact socket #17
- Ratchet wrench
- Bush and bearing driver set
- Bearing puller
- Bearing separator
- 3-Arm Gear Puller
- Tap wrench
- Hub slide hammer puller
- Crow bar
- Hydraulic transmission jack
- Wheel chock

Buy tools

AUTODOC recommends:

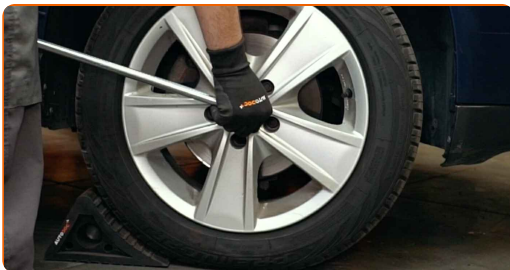
- Do not re-use the bearing assembly of your AUDI 90 B2 (81, 85) car.
- The wheel hub bearing replacement procedure is identical for both wheels on the same axle.
- Please note: all work on the car – AUDI 90 B2 (81, 85) – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Open the bonnet. Unscrew the brake fluid reservoir cap.

2 Secure the wheels with chocks.

3 Loosen the fastener of the driveshaft. Use HEX No.H14. Use a tap wrench.



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



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

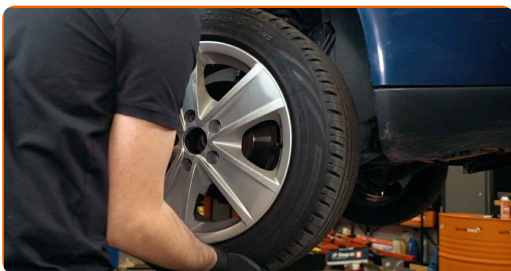
6 Unscrew the wheel bolts.



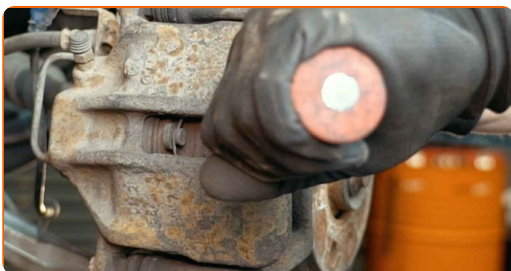
AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.
AUDI 90 B2 (81, 85)

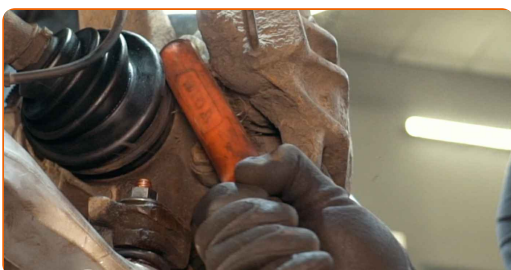
7 Remove the wheel.



8 Spread the brake pads. Use a crowbar.



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



10

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



11

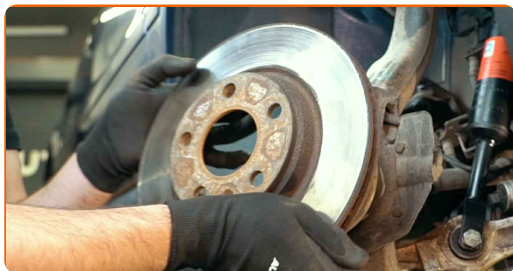
Remove the brake caliper together with its bracket.



Replacement: wheel bearing – AUDI 90 B2 (81, 85). 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.

12 Remove the brake disc.



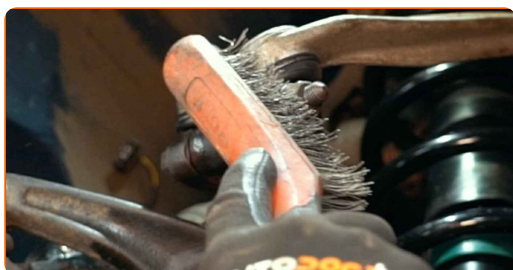
13 Remove the fastening bolt. Use HEX No.H14. Use a ratchet wrench.



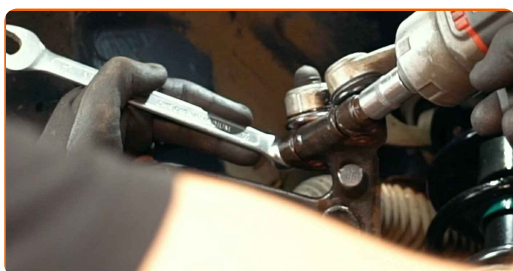
14 Prop up the steering knuckle. Use a hydraulic transmission jack.



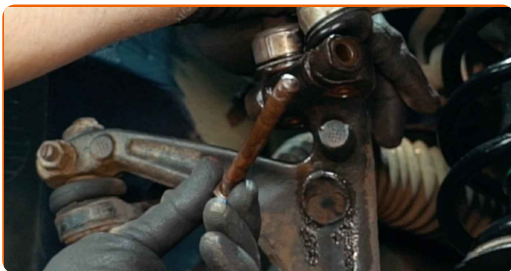
15 Clean all joints of the arm. Use a wire brush. Use WD-40 spray.



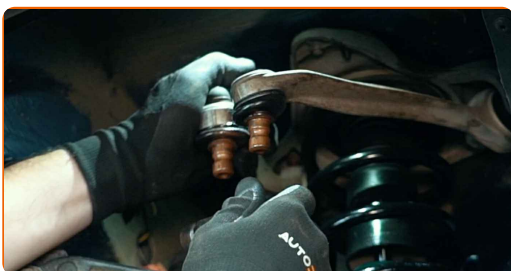
16 Unscrew the upper arm fastenings. Use a combination spanner #16. Use a drive socket #16. Use a ratchet wrench.



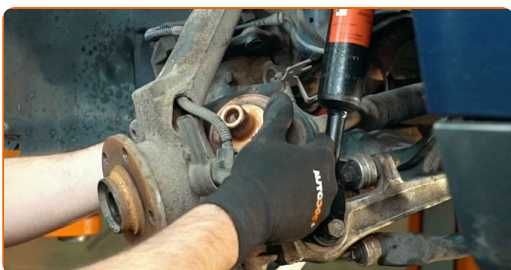
17 Remove the fastening bolt.



18 Remove the control arms.



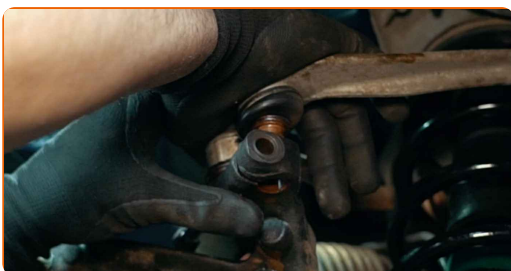
19 Detach the driveshaft from the steering knuckle.



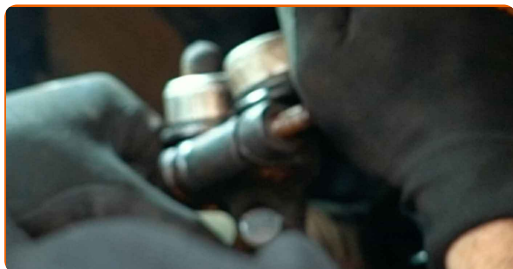
Replacement: wheel bearing – AUDI 90 B2 (81, 85). Tip from AUTODOC:

- Make sure that the drive shaft is not unloaded (when the car is jacked).

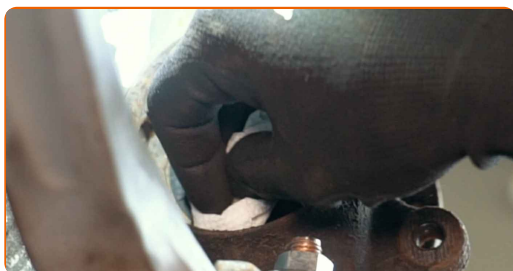
20 Install the control arms.



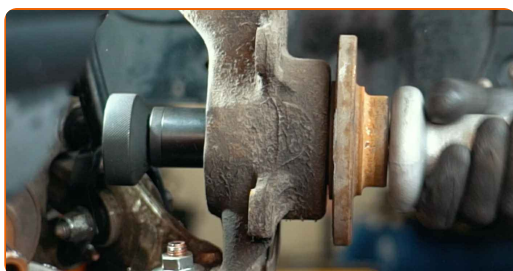
21 Install the fastening bolt.



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



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



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



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



26 Remove the bearing inner race from the wheel hub. Use a bearing separator. Use 3-Arm Gear Puller.



27 Clean the hub. Use a wire brush.



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



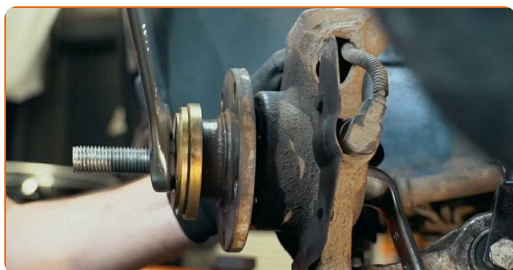
29 Press the new bearing in the steering knuckle. Use a bush and bearing driver set.

Replacement: wheel bearing – AUDI 90 B2 (81, 85). AUTODOC experts recommend:

- 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.

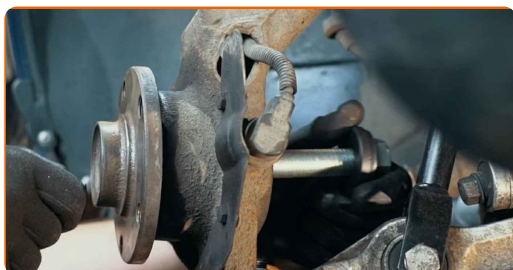
30

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



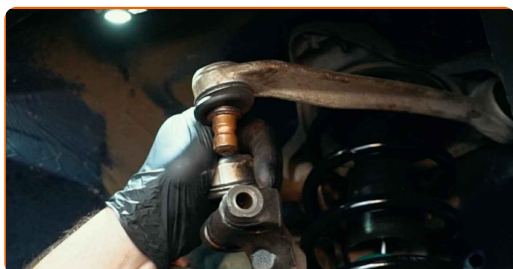
31

Remove the fastening bolt. Use a crowbar.



32

Remove the control arms.



33 Install the drive shaft.



34 Install the control arms.



35 Install the fastening bolt.



36 Tighten the upper arm fastenings. Use a combination spanner #16. Use a drive socket #16. Use a torque wrench. Tighten it to 40 Nm torque.

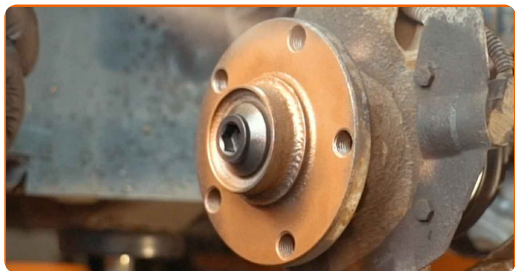


37 Install and tighten the drive shaft bolt. Use HEX No.H14.



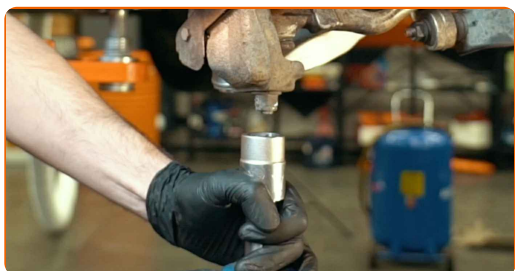
38

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



39

Remove the support from under the steering knuckle.

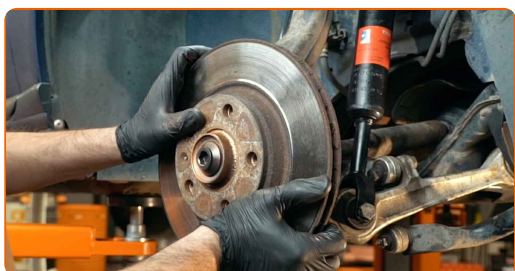


AUTODOC recommends:

- Replacement: wheel bearing – AUDI 90 B2 (81, 85). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

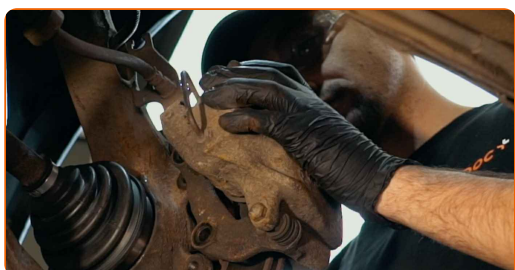
40

Install the brake disc.

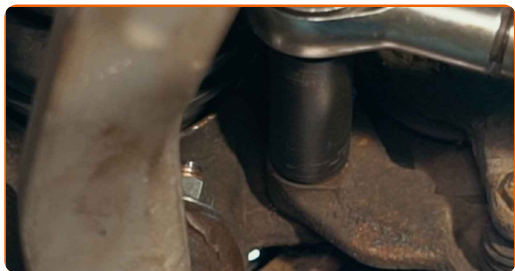


41

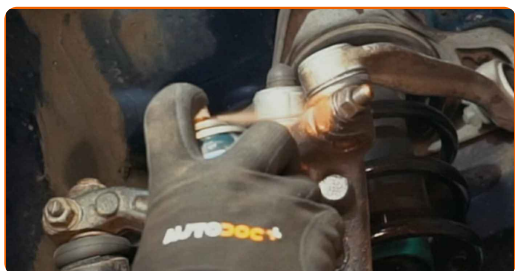
Install the brake caliper together with its bracket.



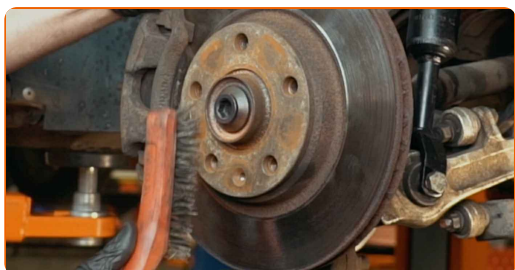
42 Tighten the brake caliper bracket. Use a drive socket #17. Use a torque wrench. Tighten it to 125 Nm torque.



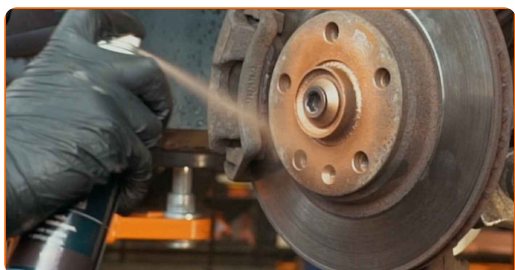
43 Treat all joints of the arm. Treat the steering knuckle fasteners. Use copper grease.



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

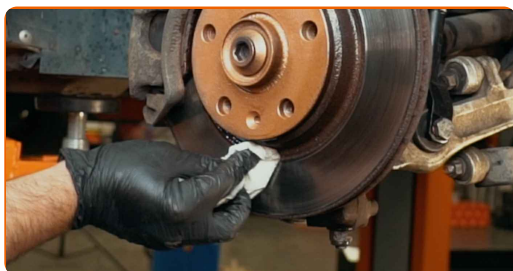


45 Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



46

Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- Replacement: wheel bearing – AUDI 90 B2 (81, 85). After applying the spray, wait a few minutes.

47

Install the wheel.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. AUDI 90 B2 (81, 85)

48

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



49 Lower the car.

50 Tighten the bolt connecting the drive shaft to the wheel hub. Use HEX No.H14. Use a torque wrench. Tighten it to 115 Nm torque.+180°



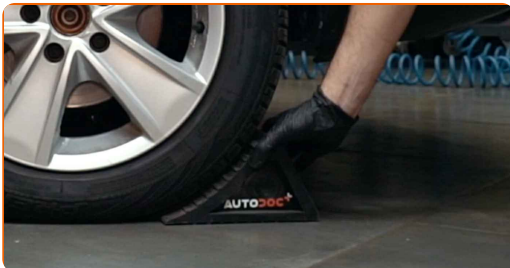
AUTODOC recommends:

- Important! Be sure to use new fasteners.

51 Tighten the wheel bolts using a criss-cross pattern. Use wheel impact socket #17. Use a torque wrench. Tighten it to 120 Nm torque.



52 Remove the jacks and chocks.

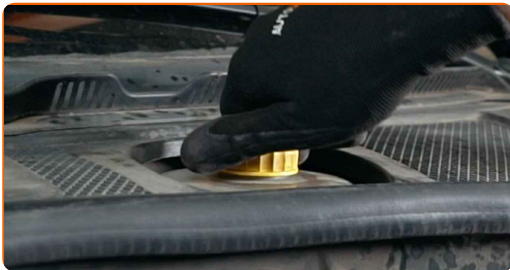


Replacement: wheel bearing – AUDI 90 B2 (81, 85). Tip from AUTODOC:

- Without starting the engine, press the brake pedal several times until you feel significant resistance.
- Check the brake fluid level in the expansion tank and top up if necessary.

53

Tighten the brake fluid reservoir cap. Close the hood.



WELL DONE! 

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