

VIDEO TUTORIAL



i Important!

This replacement procedure can be used for:

BMW 3 Saloon (E36) 316i 1.6, BMW 3 Saloon (E36) 318i 1.8, BMW 3 Saloon (E36) 318is 1.8, BMW 3 Coupe (E36) 318is 1.8, BMW 3 Saloon (E36) 320i 2.0, BMW 3 Coupe (E36) 320i 2.0, BMW 3 Saloon (E36) 325i 2.5, BMW 3 Coupe (E36) 325i 2.5, BMW 3 Saloon (E36) 325td 2.5, BMW 3 Saloon (E36) 325tds 2.5, BMW 5 Saloon (E34) 520i 2.0 24V, BMW 5 Saloon (E34) 524td 2.5, BMW 5 Saloon (E34) 525i 2.5 24V, BMW 5 Saloon (E34) 525iX 2.5 24V, BMW 5 Saloon (E34) 525tds 2.5, (+ 141)

The steps may slightly vary depending on the car design.

REPLACEMENT: WHEEL BEARING – BMW E46. TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Drive socket # 16
- Drive socket # 46
- HEX bit No.H6.
- HEX bit No.H7.
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Tap wrench
- Hammer
- Pin punch
- Flat Screwdriver
- Crow bar
- Wheel chock

BUY TOOLS

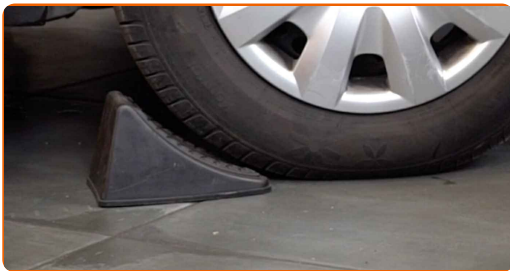
Replacement: wheel bearing – BMW E46. Professionals recommend:

- Do not re-use the bearing assembly of your AUDI A4 B6 car.
- The wheel hub bearing replacement procedure is identical for both wheels on the same axle.
- Warning! Shut down the engine before starting any work – BMW E46.

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 front of the car and secure on supports.



4

Unscrew the wheel bolts.

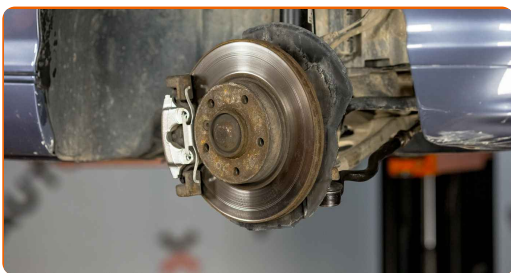


Replacement: wheel bearing – BMW E46. AUTODOC recommends:

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

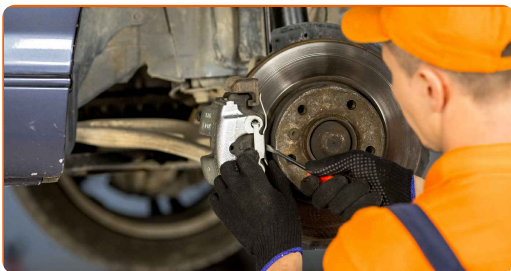
5

Remove the wheel.



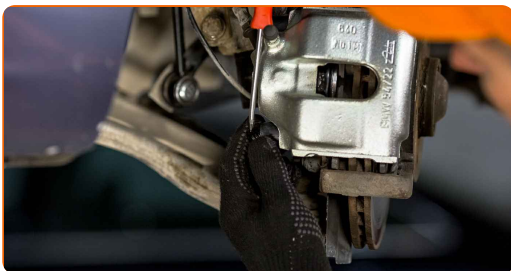
6

Detach the brake caliper retaining spring. Use a flat screwdriver.



7

Remove the dust boot caps of the brake caliper guide pins. Use a flat screwdriver.

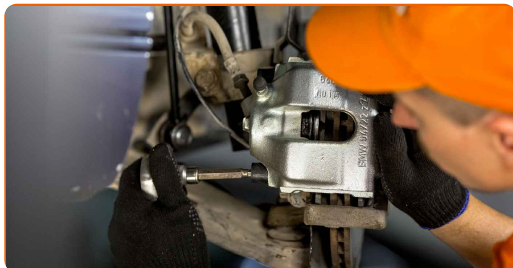


8

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

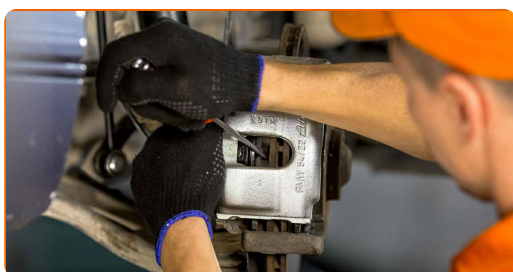
9

Unscrew the brake caliper fastening. Use HEX No.H7. Use a ratchet wrench.



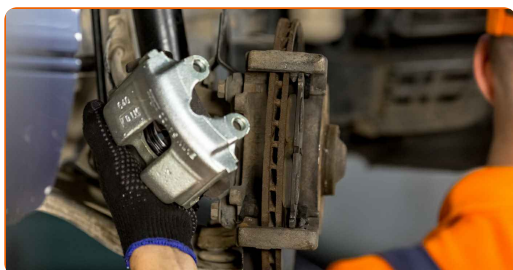
10

Spread the brake pads. Use a crowbar.



11

Remove the brake caliper.



Replacement: wheel bearing – BMW E46. Tip from AUTODOC experts:

- 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.

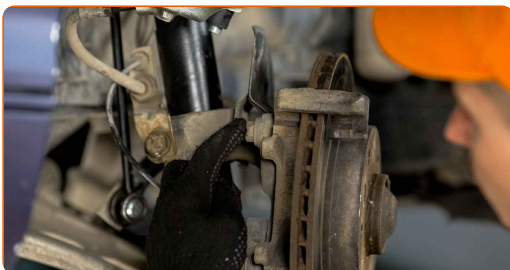
12

Remove the brake pads.



13

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



14

Unscrew the caliper bracket fastening. Use a drive socket #16. Use a ratchet wrench.



15

Remove the caliper bracket.



16

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

17

Unscrew the brake disc fastening. Use HEX No.H6. Use a ratchet wrench.

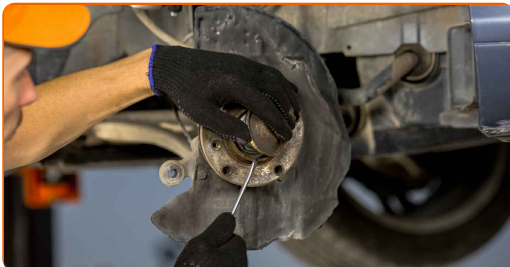


18

Remove the brake disc.

19

Remove the hub bearing protection cap. Use a flat screwdriver. Use a hammer.

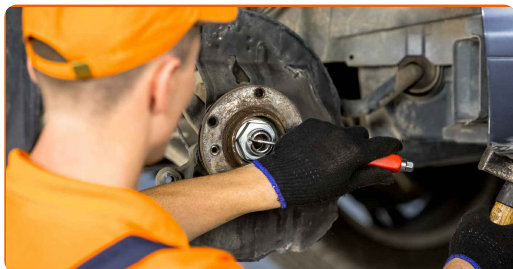


Please note!

- Some cars are not equipped with wheel hub caps.

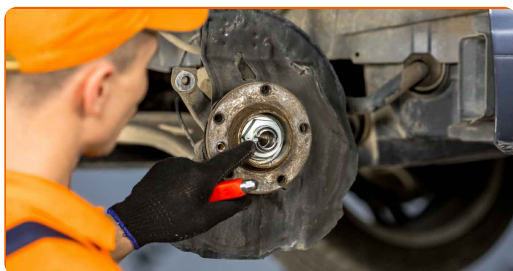
20

Unstake the wheel hub retaining nut. Use a flat screwdriver. Use a hammer.



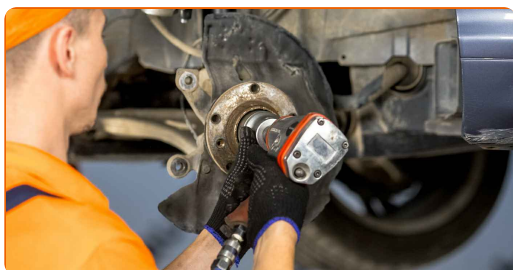
21

Clean the fasteners of the wheel hub bearing. Use a wire brush. Use WD-40 spray.



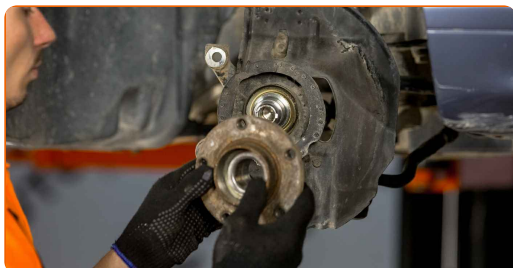
22

Unscrew the hub bearing mounting. Use a drive socket #46. Use a tap wrench.



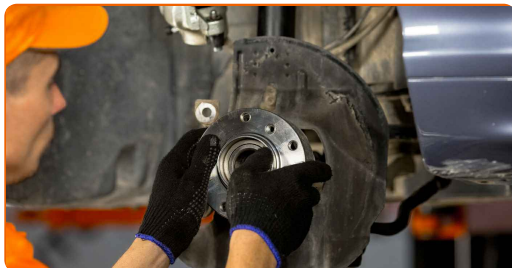
23

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

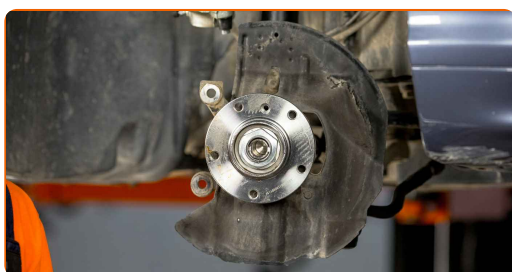


24 Clean the hub bearing mounting seat. Use a wire brush. Use WD-40 spray.

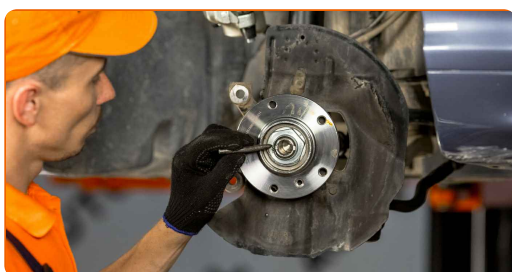
25 Install the new wheel hub with a bearing. Use a hammer.



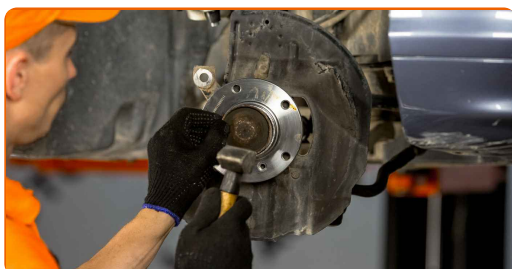
26 Tighten the fastener of the wheel hub bearing. Use a drive socket #46. Use a torque wrench. Tighten it to 290 nm torque.



27 Restake the wheel hub retaining nut. Use a pin punch. Use a hammer.



28 Install the hub bearing protection cap. Use a hammer.

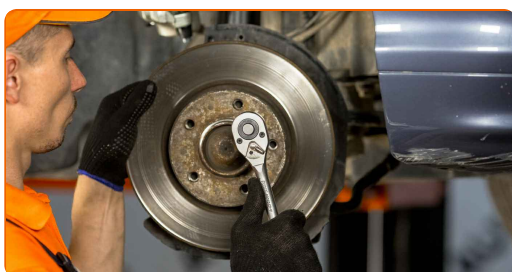


29 Treat the hub where it contacts the brake disk. Use copper grease.

30 Install the brake disc.



31 Tighten the brake disc fastening. Use HEX No.H6. Use a torque wrench. Tighten it to 9 Nm torque.



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



AUTODOC recommends:

- Replacement: wheel bearing – BMW E46. After applying the spray, wait a few minutes.