

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:

BMW 5 Touring (E39) 520i 2.0, BMW 5 Touring (E39) 523i 2.5, BMW 5 Touring (E39) 540i 4.4, BMW 5 Touring (E39) 528i 2.8, BMW 5 Touring (E39) 530d 3.0, BMW 5 Touring (E39) 525tds 2.5, BMW 5 Touring (E39) 520d 2.0, BMW 5 Touring (E39) 525d 2.5, BMW 5 Touring (E39) 520i 2.2, BMW 5 Touring (E39) 525i 2.5, BMW 5 Touring (E39) 530i 3.0

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: BMW 5 Saloon (E39) 520i 2.0

REPLACEMENT: WHEEL BEARING – BMW 5 TOURING (E39). TOOLS YOU NEED:



- Wire brush
- WD-40 spray
- All-purpose cleaning spray
- Brake cleaner
- Copper grease
- Combination spanner #18
- HEX bit no.H6.
- HEX bit no.H7.
- Drive socket # 18
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Tap wrench
- Hammer
- Impact screwdriver
- Rubber mallet
- Crow bar
- Wheel chock

Buy tools

Replacement: wheel bearing – BMW 5 Touring (E39). AUTODOC experts recommend:

- Do not re-use the bearing assembly of your BMW 5 Touring (E39) 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 5 Touring (E39).

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.

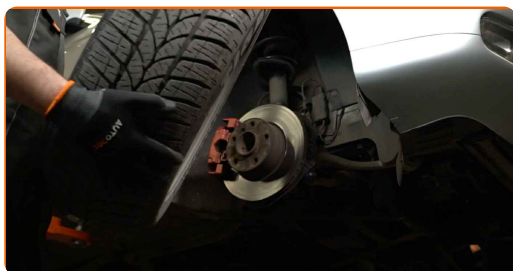


Replacement: wheel bearing – BMW 5 Touring (E39). Tip:

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

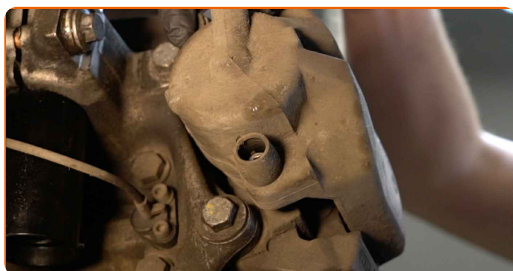
5

Remove the wheel.



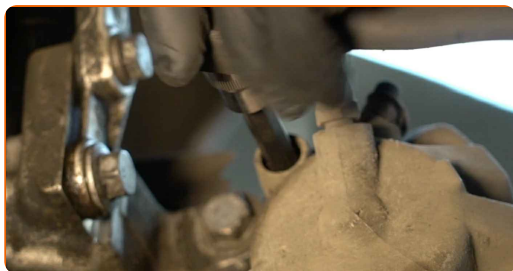
6

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



7

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



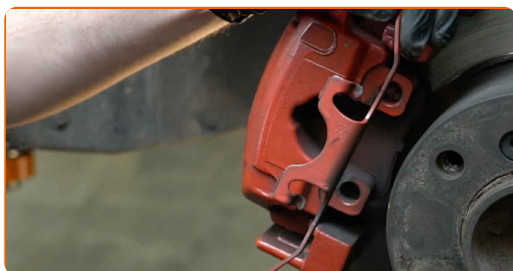
8

Spread the brake pads. Use a crowbar.



9

Detach the brake caliper retaining spring. Use a crowbar.



10

Remove the brake caliper.

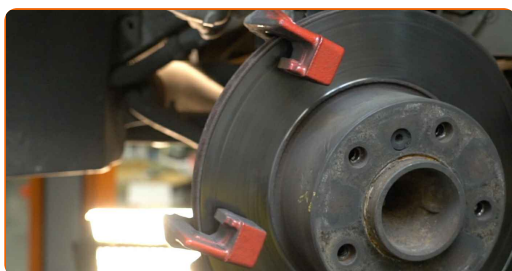


Replacement: wheel bearing – BMW 5 Touring (E39). AUTODOC recommends:

- 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.

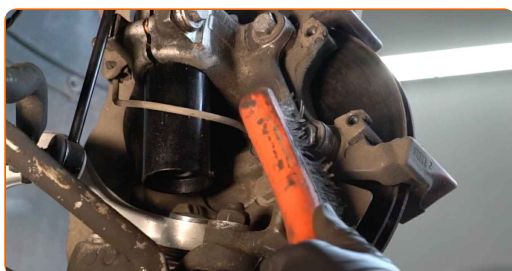
11

Remove the brake pads.



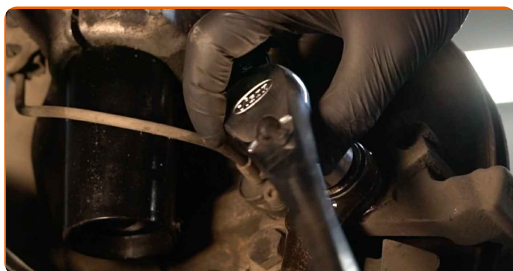
12

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



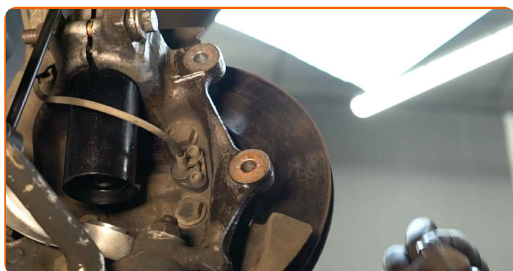
13

Unscrew the caliper bracket fastening. Use a drive socket #18. Use a tap wrench.



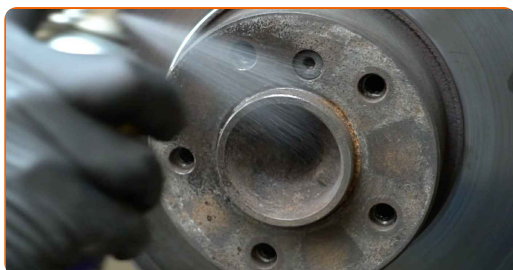
14

Remove the caliper bracket.



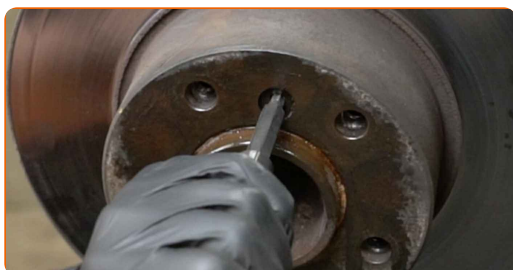
15

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



16

Unscrew the brake disc fastening. Use HEX No.H6. Use an impact screwdriver.



17

Remove the brake disc.

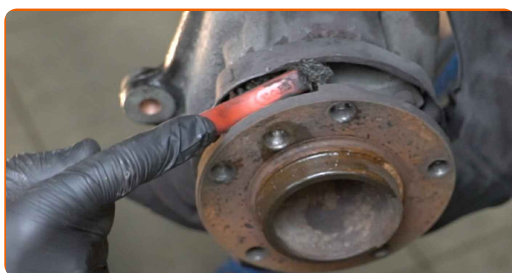


Replacement: wheel bearing – BMW 5 Touring (E39). Tip:

- If necessary, use a rubber mallet.

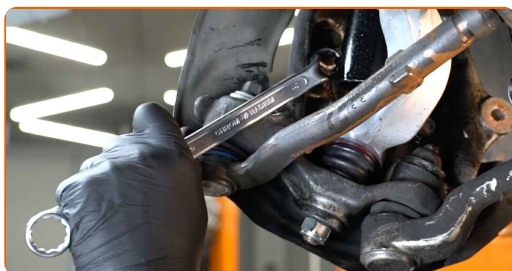
18

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



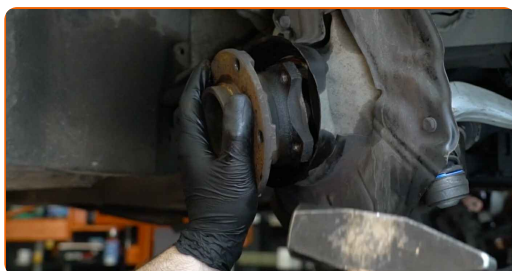
19

Unscrew the wheel hub axle nut. Use a combination spanner #18.



20

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



21

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



22

Install the new wheel hub with a bearing.



23

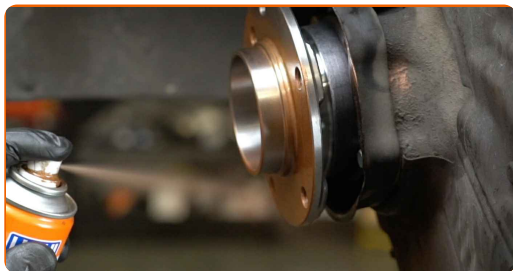
Tighten the hub. Use a drive socket #18. Use a torque wrench. Tighten it to 110 Nm torque.



Replacement: wheel bearing – BMW 5 Touring (E39). Tip from AUTODOC:

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

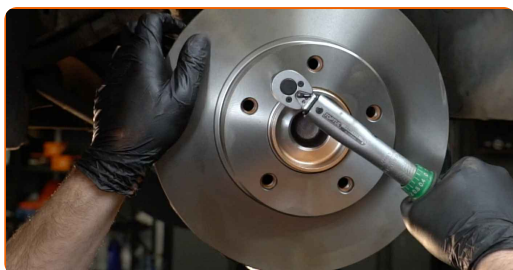
- 24 Treat the hub where it contacts the brake disk. Use copper grease.



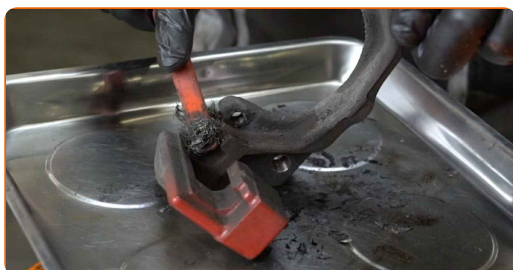
- 25 Install the brake disc.



- 26 Tighten the brake disc fastening. Use HEX No.H6. Use a torque wrench. Tighten it to 16 Nm torque.



- 27 Clean the brake caliper bracket from dirt and dust. Use a brake cleaner.



AUTODOC recommends:

- Replacement: wheel bearing – BMW 5 Touring (E39). After applying the spray, wait a few minutes.