

SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

Important!

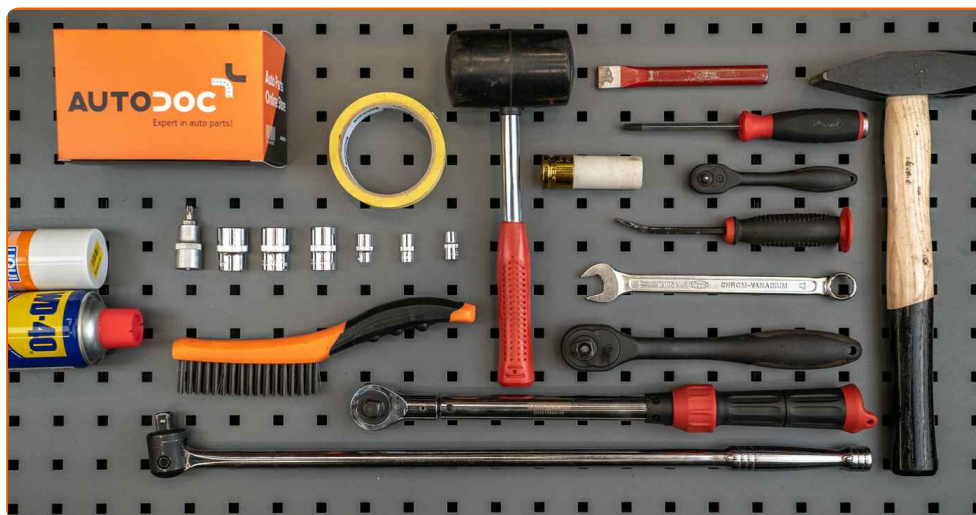
This replacement procedure can be used for:

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 (E60) 520d 2.0

REPLACEMENT: WHEEL BEARING – BMW 5 TOURING (E39). LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Copper grease
- Combination spanner #10
- Combination spanner #18
- Drive socket # 10
- Drive socket # 18
- Drive socket # 19
- Drive socket # 21
- Drive socket # 24
- Drive socket # 36
- Drive socket # E12
- Drive socket # E14
- HEX bit no.H6.
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Flat Screwdriver
- Crow bar
- Rubber mallet
- Hub slide hammer puller
- Flat chisel
- Hammer
- Pin punch
- Bush and bearing driver set
- Hydraulic transmission jack
- Wheel chock

Buy tools

Replacement: wheel bearing – BMW 5 Touring (E39). Professionals 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.
- All work should be done with the engine stopped.

REPLACEMENT: WHEEL BEARING – BMW 5 TOURING (E39). TAKE THE FOLLOWING STEPS:

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.



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

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

5

Remove the wheel.



6

Unstake the wheel hub retaining nut. Use a flat metal-working chisel. Use a hammer.



7

Unscrew the wheel hub axle nut. Use a drive socket #36. Use a ratchet wrench.

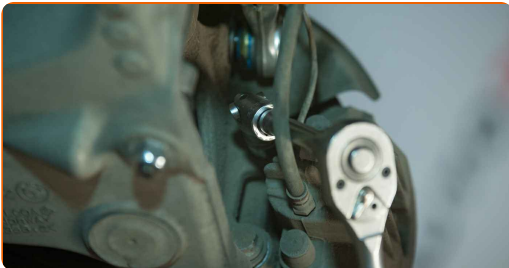


8 Remove the fastening nut.

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 #18. Use a ratchet wrench.



11 Remove the brake caliper together with its bracket. Use a flat screwdriver.



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

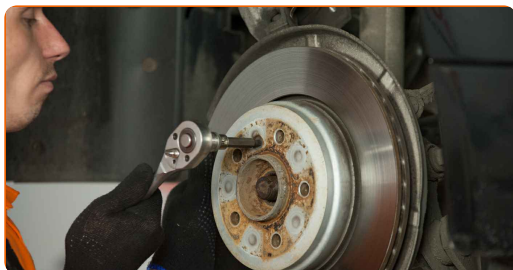
- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- Make sure that the brake caliper is not hanging on the brake hose.
- Don't press the brake pedal after the brake caliper has been removed. As a result, 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.

12

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

**13**

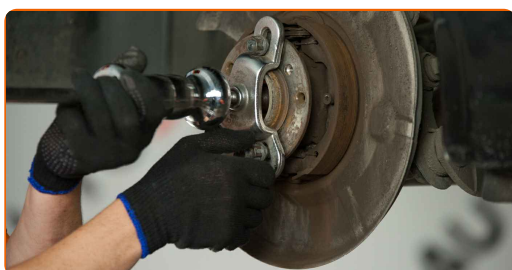
Unscrew the brake disc fastening. Use HEX No.H6. Use a ratchet wrench.



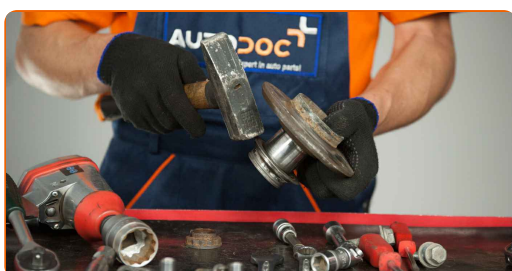
- 14** Remove the brake disc. Use a rubber mallet.



- 15** Using a puller, remove the wheel hub from the bearing. Use the hub slide hammer puller.



- 16** Pull the bearing inner race out of the wheel hub. Use a rubber mallet.

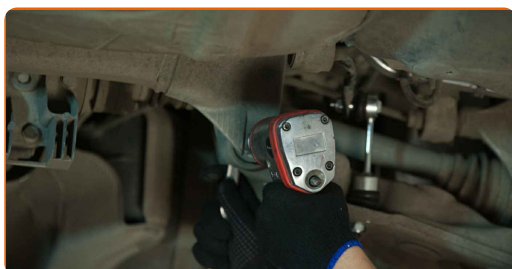


- 17** Clean all joints of the arm. Use a wire brush. Use WD-40 spray.

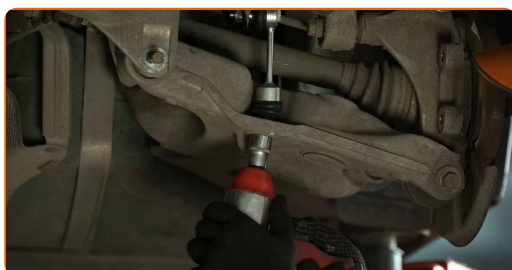
- 18** Unscrew the front fastener connecting the rear knuckle to the suspension control arm. Use a combination spanner #18. Use a drive socket #24. Use a ratchet wrench.



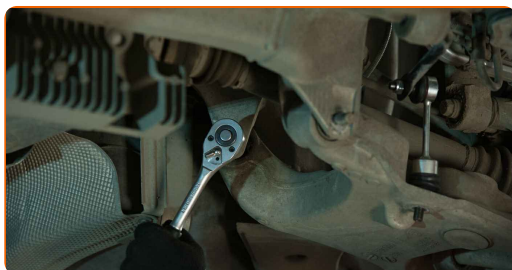
- 19** Unscrew the rear fastener connecting the control arm to the subframe. Use a combination spanner #18. Use a drive socket #21. Use a ratchet wrench.



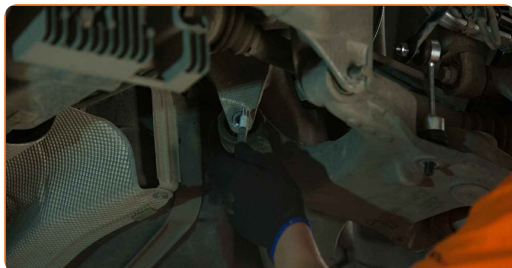
- 20** Unscrew the fastener connecting the stabilizer bar with the control arm. Use a drive socket #19. Use a ratchet wrench.



- 21** Unscrew the rear fastener connecting the control arm to the subframe. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.



- 22** Remove the rear fastener of the control arm. Use a flat screwdriver.



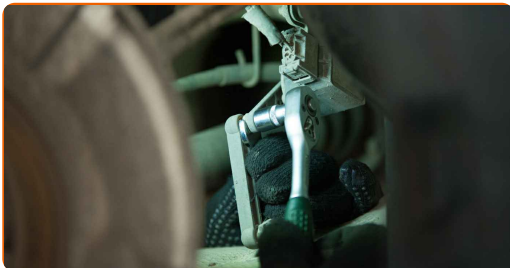
23

Clean the fasteners of the headlight levelling sensor. Use a wire brush. Use WD-40 spray.



24

Unscrew the fasteners of the headlight levelling sensor. Use a combination spanner #10. Use a drive socket #10. Use a ratchet wrench.



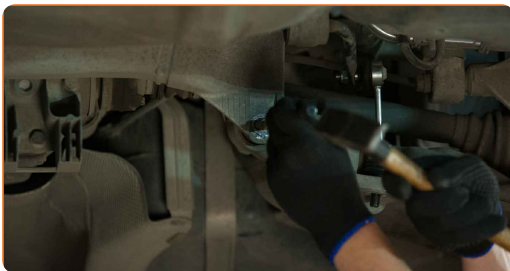
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Disconnect the headlight levelling sensor.



26

Remove the rear fastener of the control arm. Use a pin punch. Use a hammer.

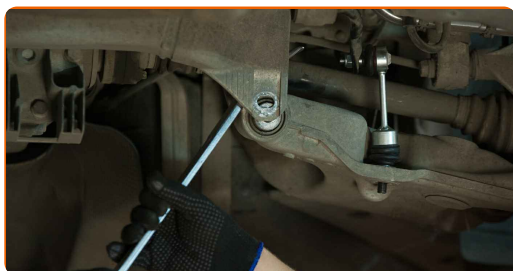


27

Remove the stabilizer rod.

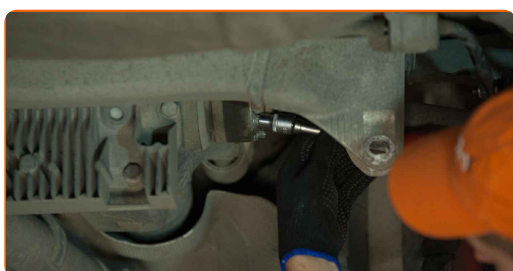
28

Detach the control arm. Use a crowbar.



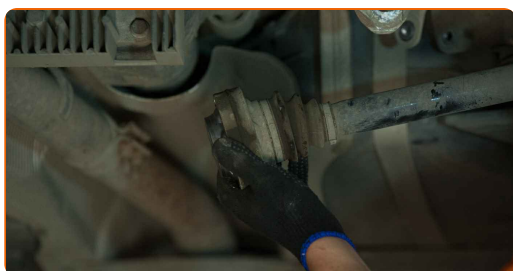
29

Unscrew the fastening bolts of the drive shaft from the reduction gear. Use a drive socket #E12. Use a ratchet wrench.



30

Remove the drive shaft. Use a rubber mallet.



31

Unscrew the fastening bolts of the rear wheel hub bearing. Use a drive socket #E14. Use a ratchet wrench.

