

SIMILAR VIDEO TUTORIAL



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

i Important!

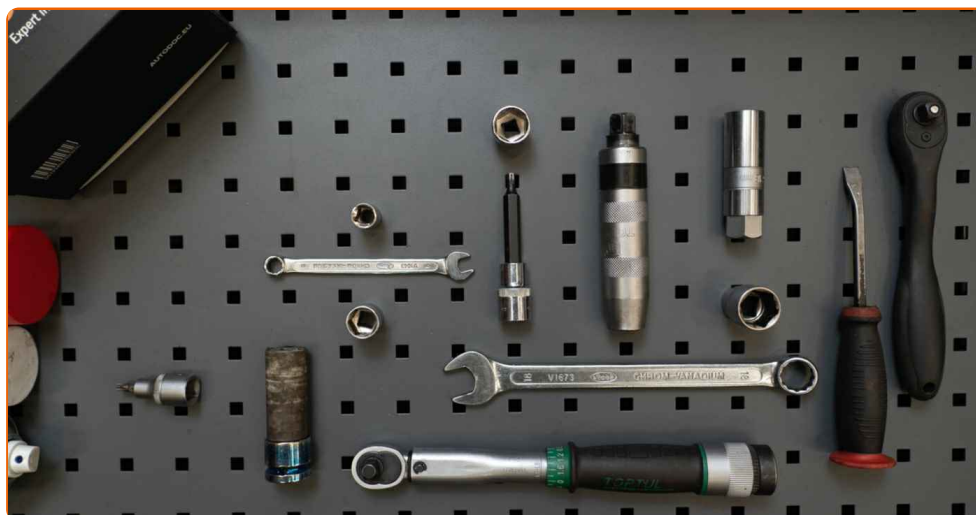
This replacement procedure can be used for:

BMW 5 Touring (E61) 525i 2.5, BMW 5 Touring (E61) 545i 4.4, BMW 5 Touring (E61) 530d 3.0, BMW 5 Touring (E61) 525d 2.5, BMW 5 Touring (E61) 535d 3.0, BMW 5 Touring (E61) 530i 3.0, BMW 5 Touring (E61) 523i 2.5, BMW 5 Touring (E61) 550i 4.8, BMW 5 Touring (E61) 520d 2.0, BMW 5 Touring (E61) 525d 3.0, BMW 5 Touring (E61) 525i 3.0, BMW 5 Touring (E61) 520i 2.0, BMW 5 Touring (E61) 530i 3.0 (N52B30A), BMW 5 Touring (E61) 523 i 2.5

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) 525d 2.5

REPLACEMENT: WHEEL BEARING – BMW 5 TOURING (E61). TOOLS YOU NEED:



- Wire brush
- WD-40 spray
- All-purpose cleaning spray
- Brake cleaner
- Copper grease
- Combination spanner #9
- Combination spanner #18
- Drive socket # 10
- Drive socket # 16
- Drive socket # 18
- Drive socket # 21
- HEX bit no.H6.
- Shock absorber socket
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Tap wrench
- Impact screwdriver
- Crow bar
- Hydraulic transmission jack
- Wheel chock

Buy tools

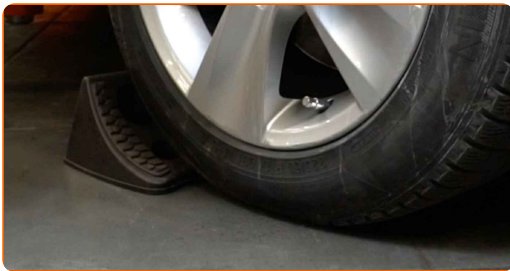
Replacement: wheel bearing – BMW 5 Touring (E61). Tip from AUTODOC:

- Do not re-use the bearing assembly of your BMW 5 Touring (E61) 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 (E61). RECOMMENDED SEQUENCE OF STEPS:

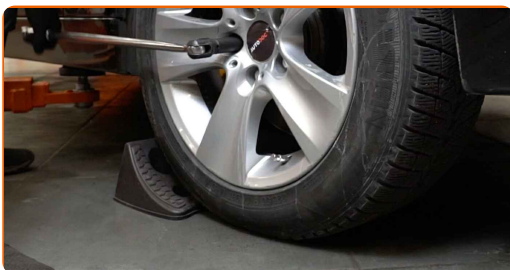
1

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 (E61). Tip from AUTODOC:

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

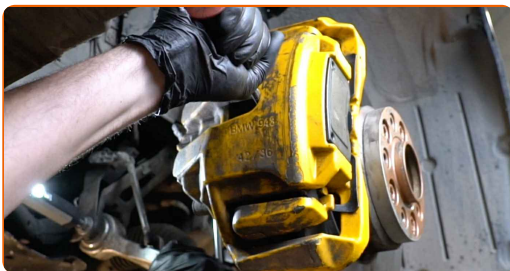
5

Remove the wheel.



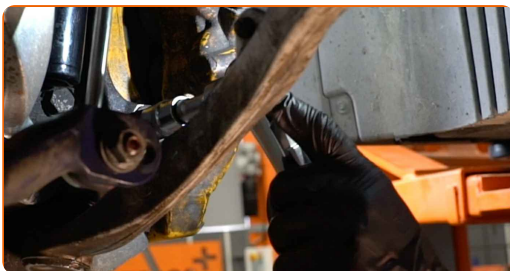
6

Spread the brake pads. Use a crowbar.



7

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



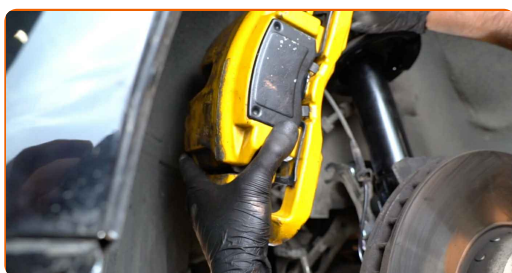
8

Disconnect the brake hose. Use a crowbar.



9

Remove the brake caliper together with its bracket.

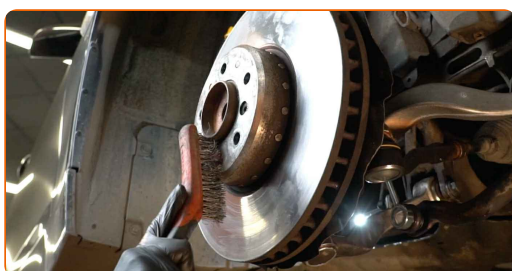


AUTODOC recommends:

- 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.

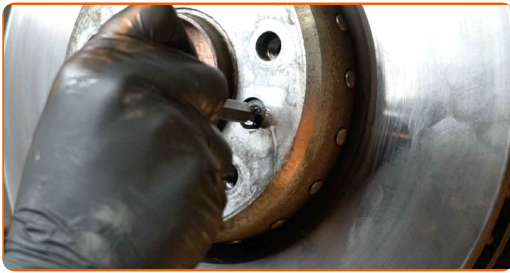
10

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



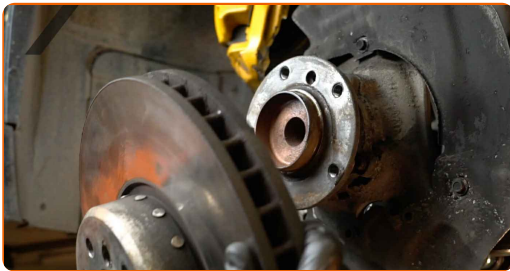
11

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



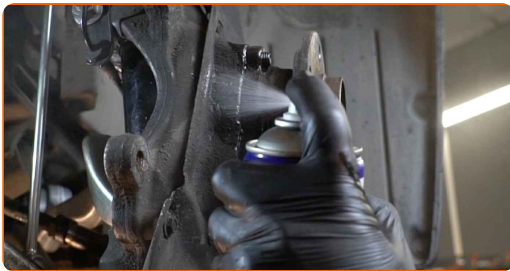
12

Remove the brake disc.



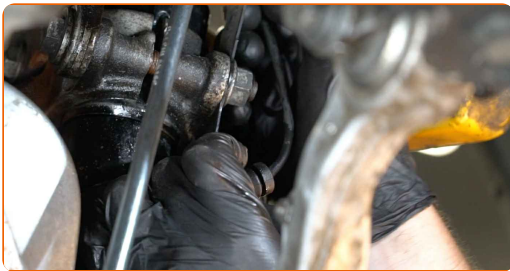
13

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

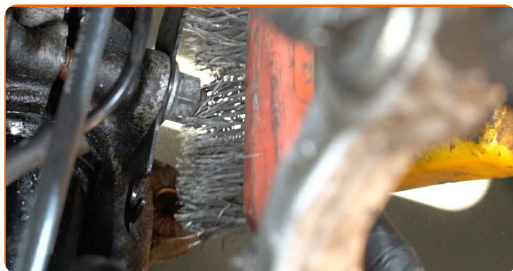


14

Disconnect the ABS sensor wiring.



- 15** Clean the fasteners connecting the shock strut to the steering knuckle. Use a wire brush. Use WD-40 spray.

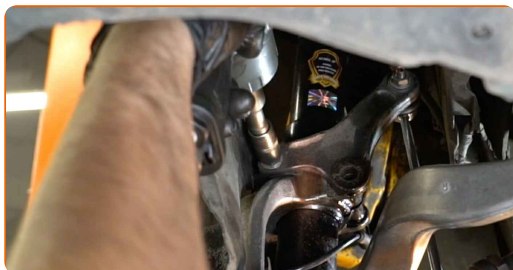


- 16** Prop up the steering knuckle. Use a hydraulic transmission jack.

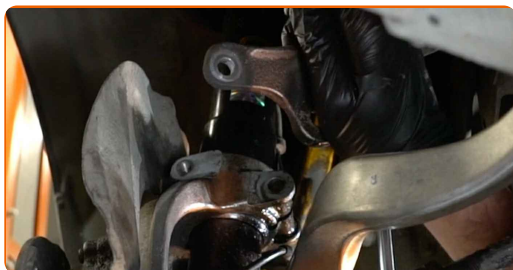
- 17** Unscrew the lower fastener connecting the shock strut to the steering knuckle. Use a drive socket #18. Use a ratchet wrench.



- 18** Unscrew the fastener of the stabiliser link bracket. Use a drive socket #16. Use a ratchet wrench.



- 19** Remove the fastening bolt.



20

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



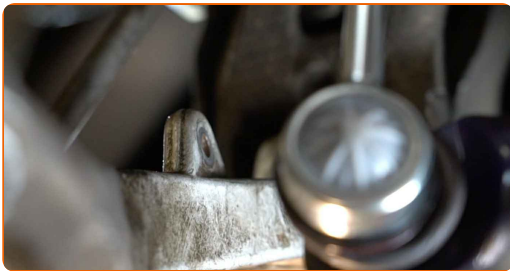
21

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



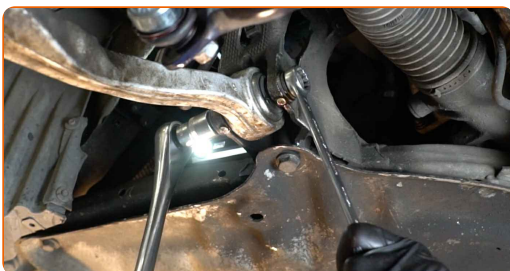
22

Disconnect the headlight levelling sensor.

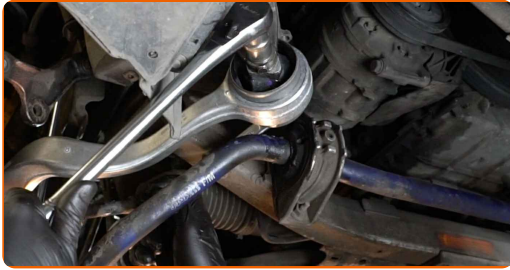


23

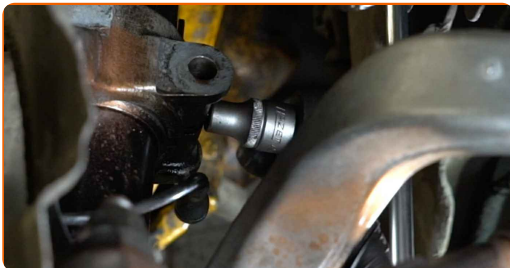
Unscrew the rear fastener connecting the control arm to the subframe. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.



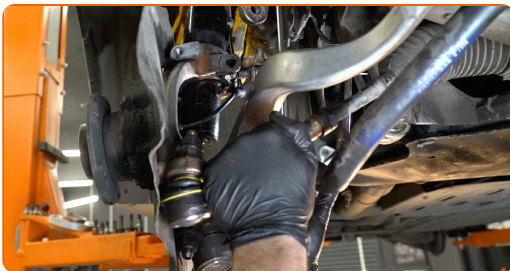
- 24** Unscrew the front arm fastener. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.



- 25** Release the lower fastener connecting the shock strut to the steering knuckle. Use a special drive socket to remove the shock absorber. Use a ratchet wrench.



- 26** Lower the hydraulic transmission jack by 10-15 cm.



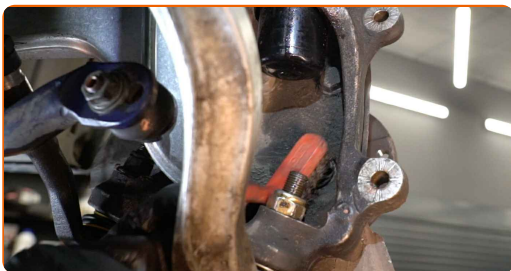
AUTODOC recommends:

- Replacement: wheel bearing – BMW 5 Touring (E61). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

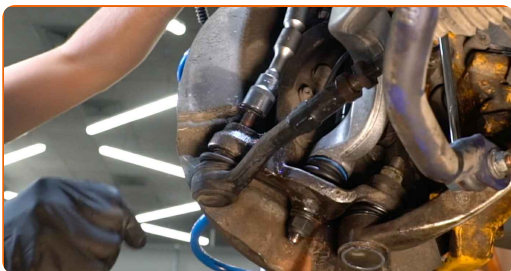
- 27 Disconnect the steering knuckle from the shock absorber strut.



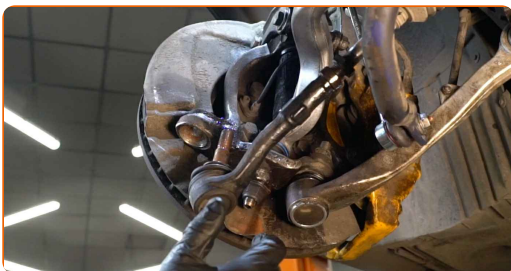
- 28 Clean the wheel hub fastener. Use a wire brush. Use WD-40 spray.



- 29 Unscrew the end fastening nut to the steering knuckle. Use a drive socket #21. Use a ratchet wrench.



- 30 Disconnect the tie rod end from the steering knuckle.



- 31 Remove the rear fastener of the control arm.

