

SIMILAR VIDEO TUTORIAL



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

Important!

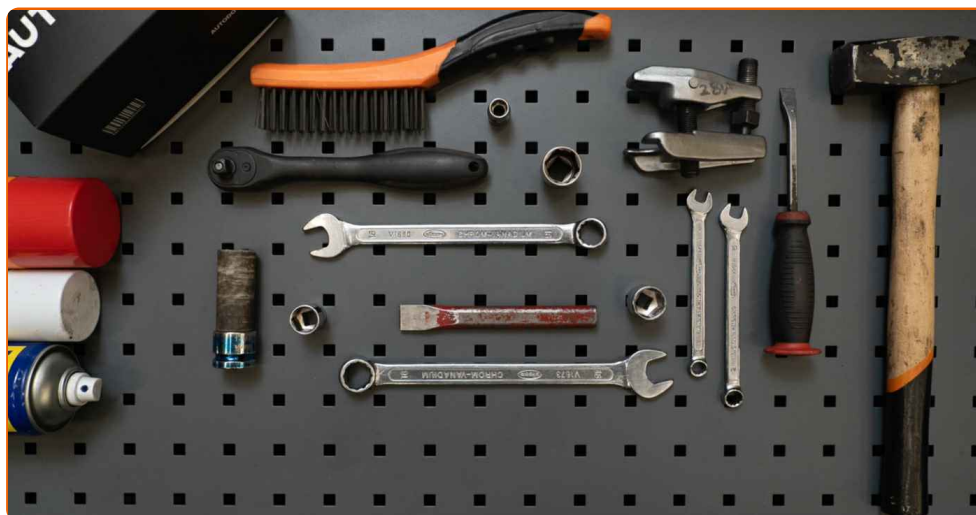
This replacement procedure can be used for:

BMW 6 Coupe (E63) 645Ci 4.4, BMW 6 Coupe (E63) 630i 3.0, BMW 6 Coupe (E63) 650i 4.8, BMW 6 Coupe (E63) M, BMW 6 Coupe (E63) 635d 3.0, BMW 6 Coupe (E63) 630i 3.0 (N52B30A, N52B30B, N52B30BF)

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: FRONT LOWER ARM – BMW 6 COUPE (E63). TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #9
- Combination spanner #10
- Combination spanner #16
- Combination spanner #18
- Drive socket # 10
- Drive socket # 16
- Drive socket # 18
- Drive socket # 21
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Flat chisel
- Hammer
- Ball joint puller
- Hydraulic transmission jack
- Wheel chock

Buy tools

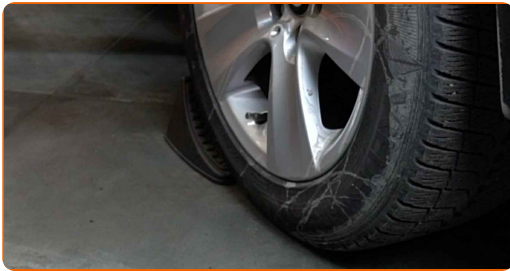
Replacement: front lower arm – BMW 6 Coupe (E63). AUTODOC recommends:

- The replacement procedure is identical for the left and right lower control arms.
- All work should be done with the engine stopped.

REPLACEMENT: FRONT LOWER ARM – BMW 6 COUPE (E63). 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.

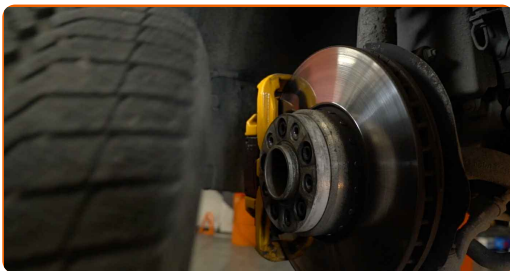


Replacement: front lower arm – BMW 6 Coupe (E63). Tip:

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

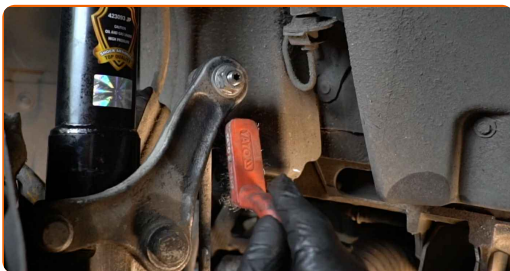
5

Remove the wheel.



6

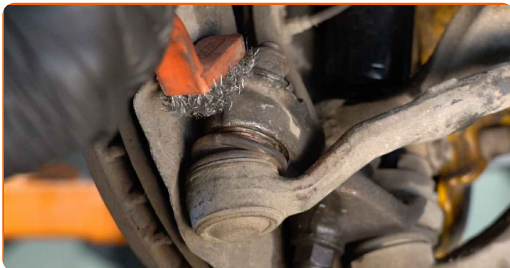
Clean the stabiliser link fasteners. Use a wire brush. Use WD-40 spray.



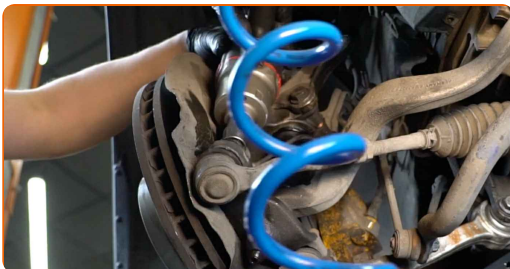
- 7 Unscrew the fastener connecting the stabilizer link to the shock strut. Use a drive socket #16. Use a ratchet wrench.



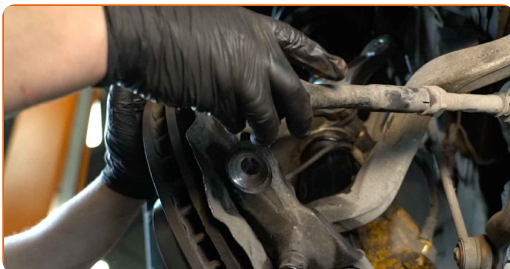
- 8 Clean the fastener connecting the tie rod end to the steering knuckle. Use a wire brush. Use WD-40 spray.



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

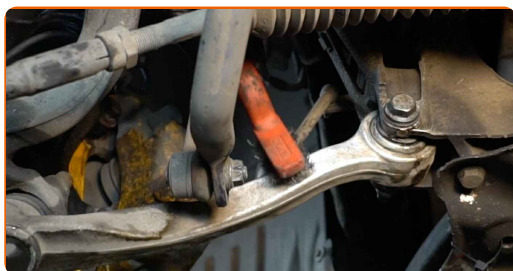


- 10 Disconnect the tie rod end from the steering knuckle.



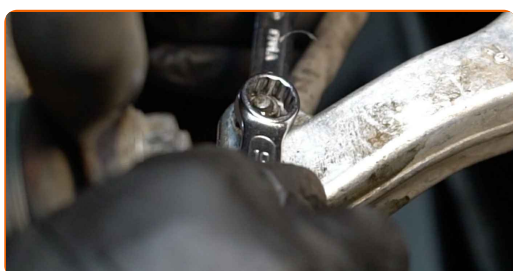
11

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



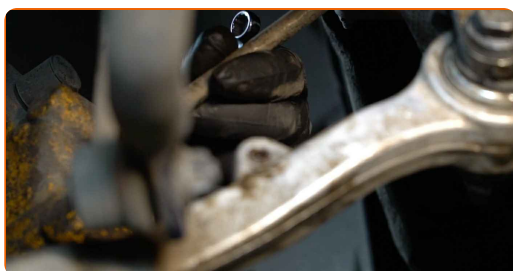
12

Unscrew the fasteners of the headlight levelling sensor. Use a combination spanner #9. Use a combination spanner #10.



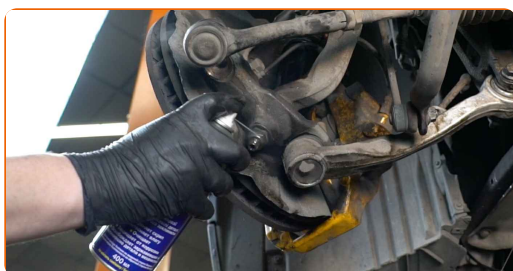
13

Disconnect the headlight levelling sensor.



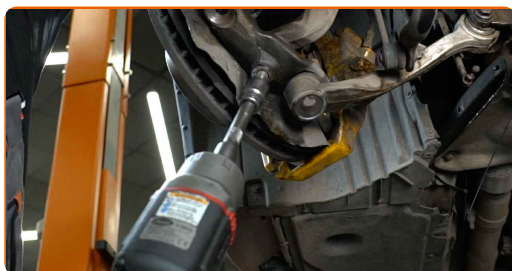
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Clean all joints of the arm. Use a wire brush. Use WD-40 spray.



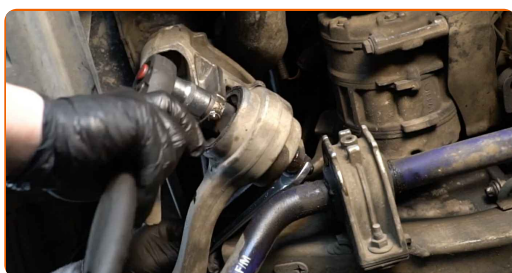
15

Unscrew the ball joint fastening to the steering knuckle. Use a drive socket #21. Use a ratchet wrench.



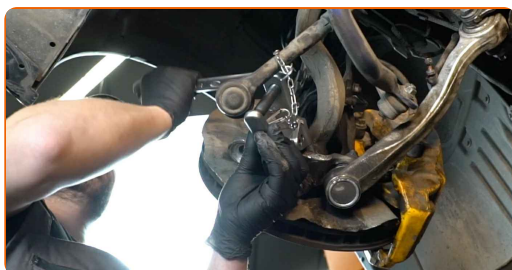
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Unscrew the front arm fastener. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.



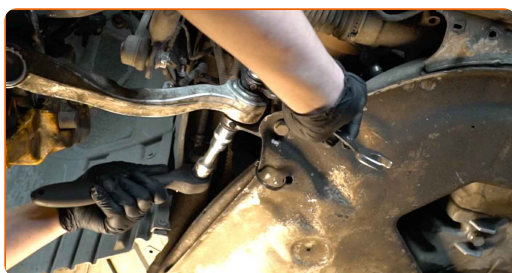
17

Disconnect the ball joint from the steering knuckle. Use a ball joint puller.



18

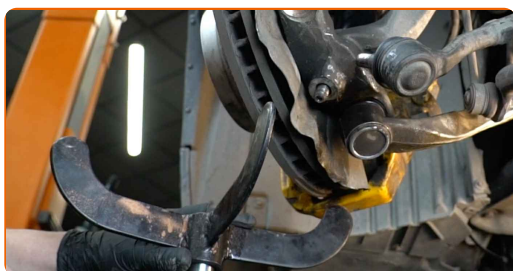
Unscrew the rear fastener connecting the control arm to the subframe. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.



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



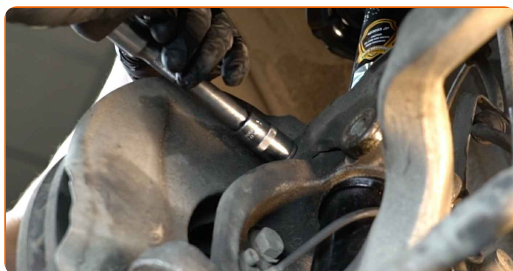
- 20** Prop up the steering knuckle. Use a hydraulic transmission jack.



- 21** Remove the fastening bolt.



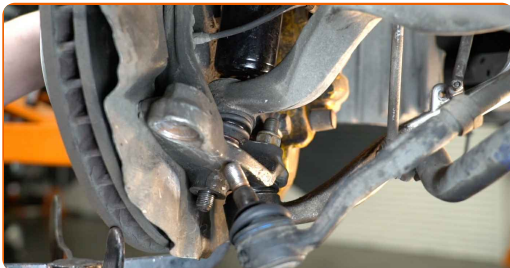
- 22** Unscrew the fastener of the stabiliser link bracket. Use a drive socket #16. Use a ratchet wrench.



- 23** Release the lower fastener connecting the shock strut to the steering knuckle. Use a flat metal-working chisel. Use a hammer.



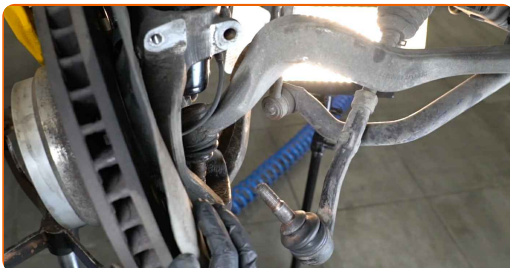
- 24** Lower the hydraulic transmission jack by 10-15 cm.



AUTODOC recommends:

- Replacement: front lower arm – BMW 6 Coupe (E63). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

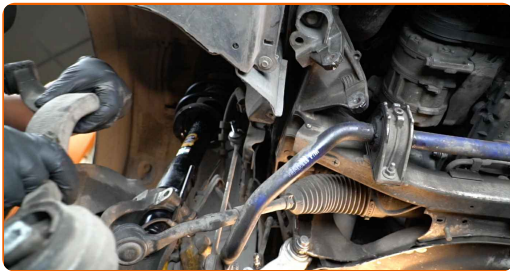
- 25** Disconnect the lower arm from the steering knuckle.



26 Remove the fastening bolt.



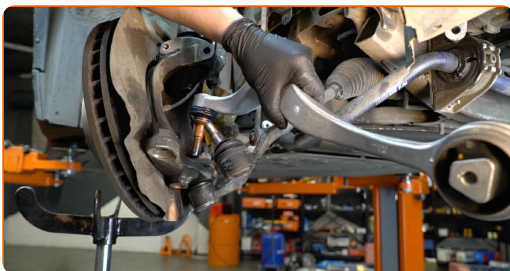
27 Remove the arm.



28 Clean the mounting seats and the thread of the suspension arm. Use a wire brush. Use WD-40 spray.



29 Install a new arm.



AUTODOC recommends:

- During the installation process, use only new bolts and nuts.
- Do not damage the ball joint cover.