



VIDEO TUTORIAL

ⓘ Important!

This replacement procedure can be used for:
BMW X5 (E53) 3.0 i

The steps may slightly vary depending on the car design.

REPLACEMENT: FRONT LOWER ARM – BMW X5 E53. TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- Copper grease
- Combination spanner #18
- Combination spanner #22
- Drive socket # 18
- Wheel impact socket #19
- Ball joint puller
- Ratchet wrench
- Torque wrench
- Rubber mallet
- Crow bar
- Hydraulic transmission jack
- Wheel chock

Replacement: front lower arm – BMW X5 E53. AUTODOC experts recommend:

- The replacement procedure is identical for the left and right lower control arms.
- Replacement of the independent suspension lower arm in some cars requires a part of the outlet piping of the additional heater to be removed.
- All work should be done with the engine stopped.

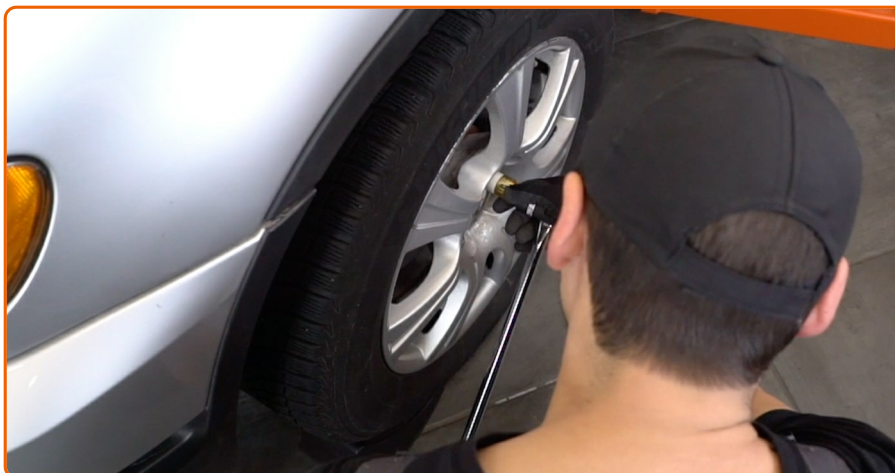
REPLACEMENT: FRONT LOWER ARM – BMW X5 E53. USE THE FOLLOWING PROCEDURE:

1



Secure the wheels with chocks.

2



Loosen the wheel mounting bolts. Use wheel impact socket #19.

3



Raise the front of the car and secure on supports.

4



Unscrew the wheel bolts.

Replacement: front lower arm – BMW X5 E53. Tip:

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

5



Remove the wheel.

6



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

AUTODOC recommends:

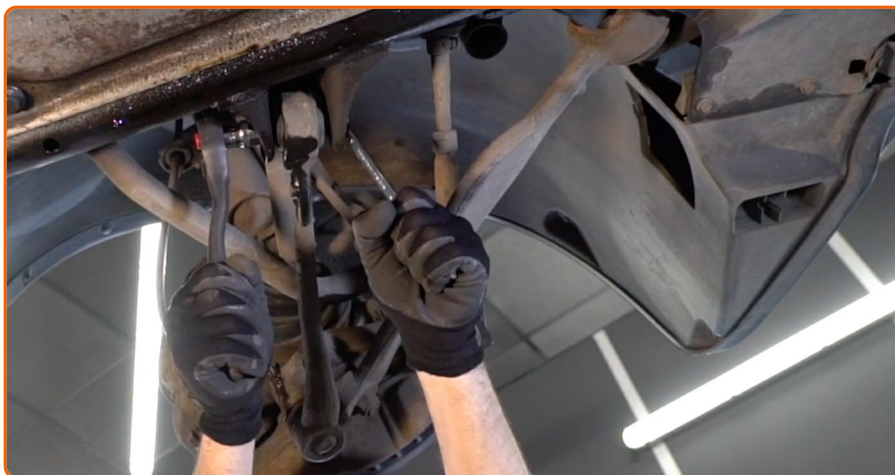
- Replacement: front lower arm – BMW X5 E53. After applying the spray, wait a few minutes.

7



Unscrew the ball joint fastening nut. Use a combination spanner #22.

8



Unscrew the arm fastening from the subframe. Use a drive socket #18. Use a combination spanner #18. Use a ratchet wrench.

9



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

10



Prop up the steering knuckle. Use a hydraulic transmission jack.

11



Remove the ball joint from the steering knuckle. Use a crowbar.

12



Remove the fastening bolt. Use a rubber mallet.

13



Remove the arm.

14



Lower the hydraulic transmission jack by 10-15 cm.

Replacement: front lower arm – BMW X5 E53. AUTODOC recommends:

- Lower the hydraulic transmission jack smoothly, without jerks, to avoid damaging assemblies and mechanisms.

15.1



Clean the mounting seats and the thread of the suspension arm.

15.2



Use a wire brush. Use WD-40 spray.

16



Install a new arm.

Replacement: front lower arm – BMW X5 E53. Tip from AUTODOC experts:

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

17



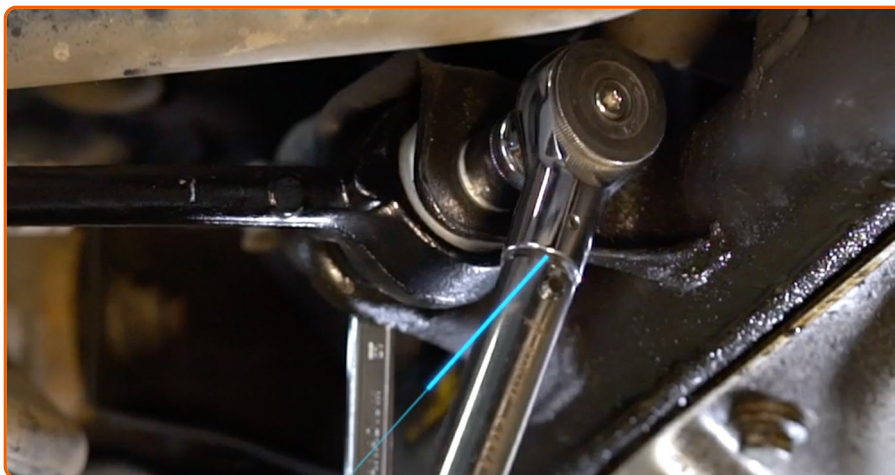
Support the arm. Use a hydraulic transmission jack.

18



Insert the ball joint into the steering knuckle and fix it with a new nut.

19



Tighten the arm fastening to the subframe. Use a drive socket #18. Use a combination spanner #18. Use a torque wrench. Tighten it to 90 nm torque.

20



Tighten the ball joint fastening nut. Use a combination spanner #22. Use a torque wrench. Tighten it to 80 nm torque.

21

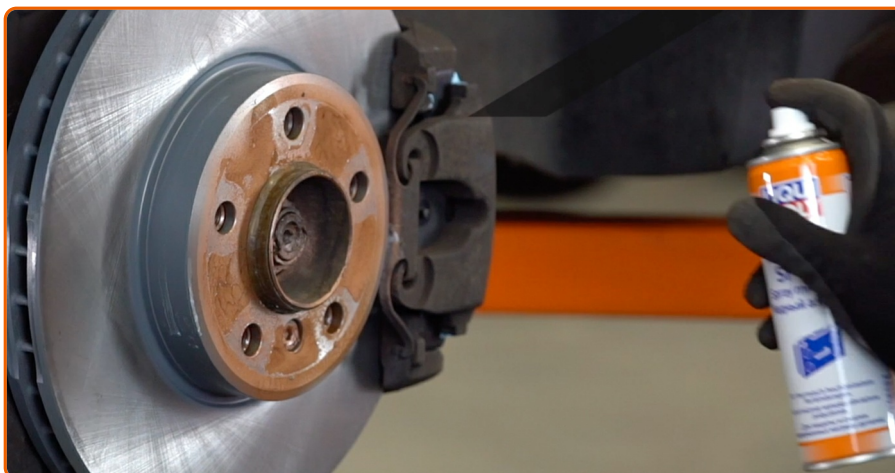


Remove the support from under the arm.

AUTODOC recommends:

- Replacement: front lower arm – BMW X5 E53. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

22



Clean the wheel rim mounting seat. Use a wire brush. Treat the contacting surface. Use copper grease.

23

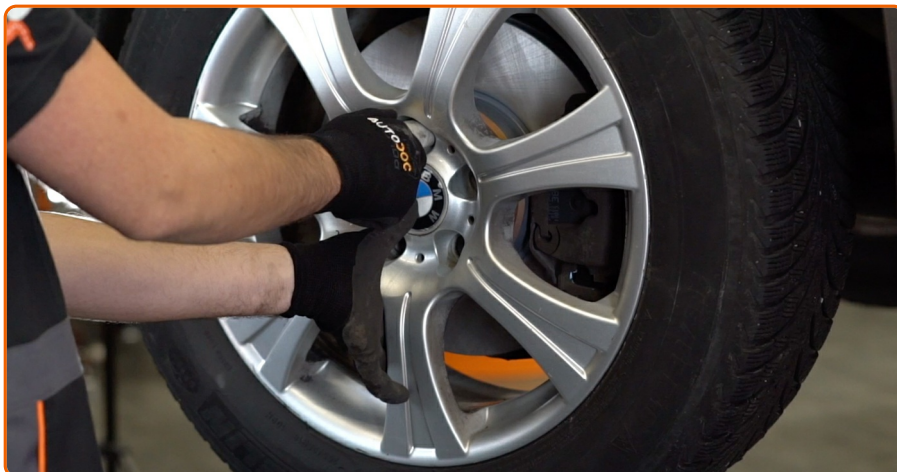


Install the wheel.

Replacement: front lower arm – BMW X5 E53. Tip from AUTODOC:

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

24



Screw in the wheel bolts. Use wheel impact socket #19.

25



Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 120 nm torque.

26



Remove the jacks and chocks.

**DID YOU FIND THESE INSTRUCTIONS
HELPFUL?**

YES

NO



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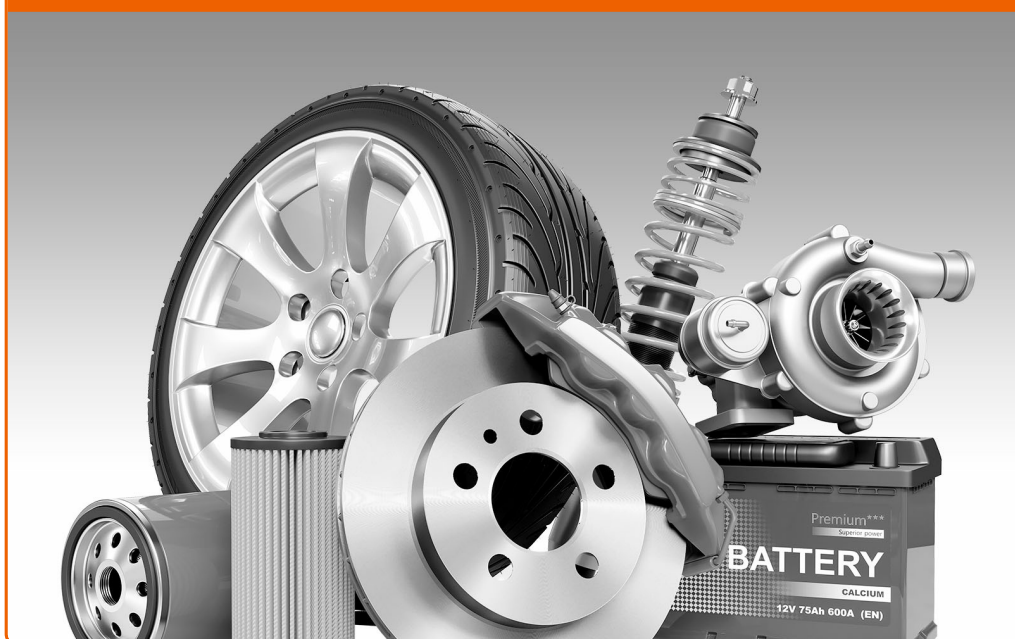
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