



How to change front
lower arm on **MAZDA 5**
(CR19) – replacement
guide

SIMILAR VIDEO TUTORIAL



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

Important!

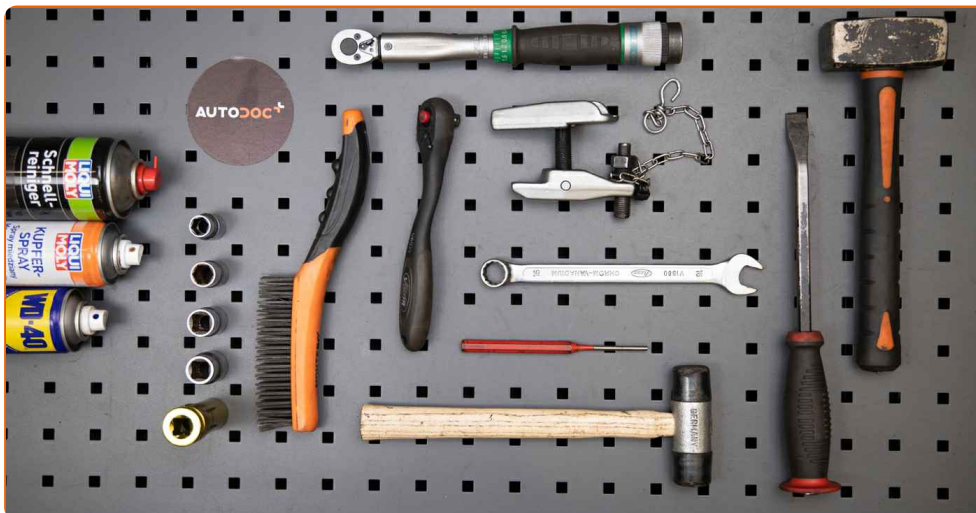
This replacement procedure can be used for:

MAZDA 5 (CR19) 1.8, MAZDA 5 (CR19) 2.0, MAZDA 5 (CR19) 2.0 CD, MAZDA 5 (CR19) 2.3

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: MAZDA 3 Saloon (BK) 1.6

REPLACEMENT: FRONT LOWER ARM – MAZDA 5 (CR19). TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Drive socket # 12
- Drive socket # 14
- Drive socket # 17
- Drive socket # 18
- Combination spanner #16
- Wheel impact socket #19
- Ratchet wrench
- Torque wrench
- Ball joint puller
- Rubber mallet
- Crow bar
- Hammer
- Pin punch
- Hydraulic transmission jack
- Wheel chock

Buy tools

Replacement: front lower arm – MAZDA 5 (CR19). AUTODOC recommends:

- The replacement procedure is identical for the left and right lower control arms.
- Please note: all work on the car – MAZDA 5 (CR19) – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1

Secure the wheels with chocks.



2

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

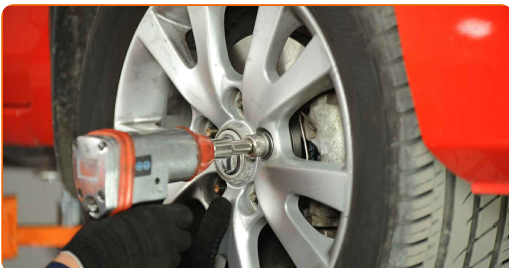


3

Raise the front of the car and secure on supports.

4

Unscrew the wheel bolts.



Replacement: front lower arm – MAZDA 5 (CR19). Tip:

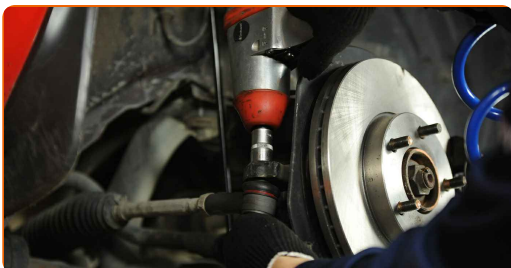
- To avoid injury, hold up the wheel when unscrewing the bolts.

5 Remove the wheel.

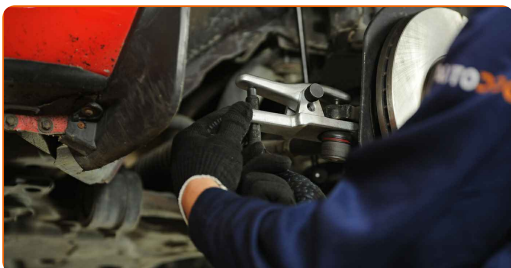


6 Clean the fastener connecting the tie rod end to the steering knuckle. Use a wire brush. Use WD-40 spray.

7 Unscrew the end fastening nut to the steering knuckle. Use a drive socket #17. Use a ratchet wrench.



8 Disconnect the tie rod end from the steering knuckle. Use a ball joint puller.



9 Clean the fastener connecting the ball joint to the steering knuckle. Use a wire brush. Use WD-40 spray.

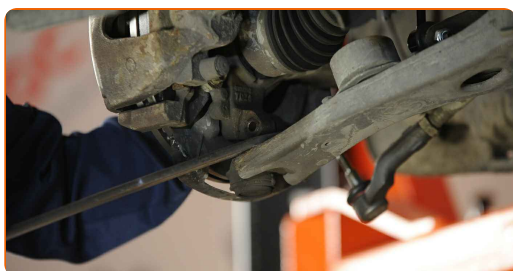
- 10 Unscrew the fastener connecting the ball joint to the steering knuckle. Use a combination spanner #16. Use a drive socket #14. Use a ratchet wrench.



- 11 Remove the fastening bolt.



- 12 Disconnect the lower arm from the steering knuckle. Use a rubber mallet. Use a crowbar.



- 13 Clean the fasteners connecting the control arm to the subframe. Use a wire brush. Use WD-40 spray.

- 14 Unscrew the front arm fastener. Use a drive socket #18. Use a ratchet wrench.



- 15 Remove the front fastener of the control arm.

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



- 17 Remove the rear fastener of the control arm.

- 18 Remove the arm.



- 19 Unscrew the fasteners and remove the bump stop from the front independent suspension lower control arm. Use a drive socket #12. Use a ratchet wrench.

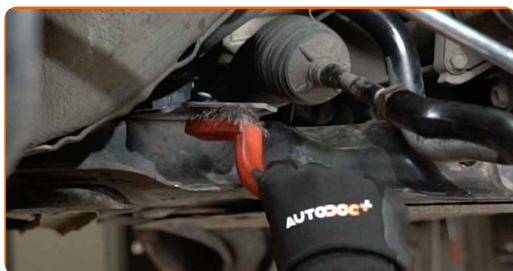


- 20 Install and fix the bump stop onto the new control arm. Use a drive socket #12. Use a torque wrench. Tighten it to 19 nm torque.



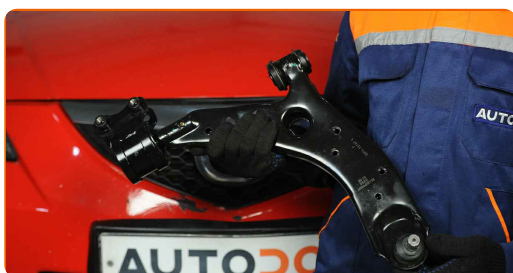
21

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



22

Install a new arm.



AUTODOC recommends:

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

23

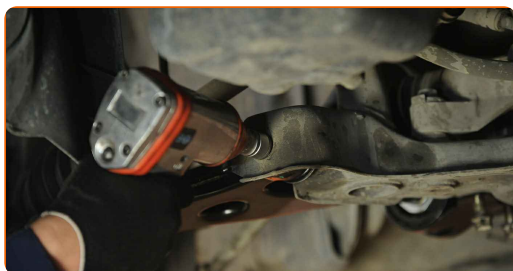
Install the front fastener of the arm.

24

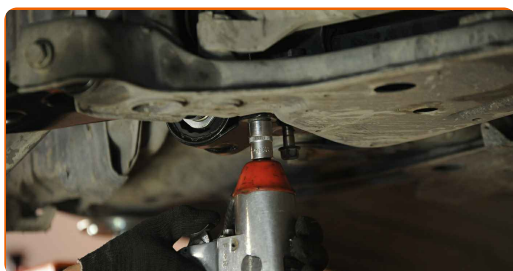
Install the rear fastener of the control arm.

25

Screw the front arm fastener. Use a drive socket #18. Use a ratchet wrench.



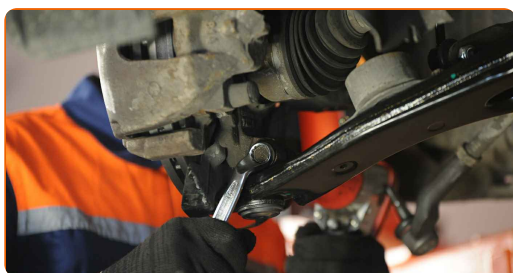
- 26 Tighten the rear fastener of the control arm. Use a drive socket #18. Use a torque wrench. Tighten it to 86 nm torque.



- 27 Connect the ball joint to the steering knuckle. Use a rubber mallet.

- 28 Install the fastening bolt. Use a pin punch. Use a hammer.

- 29 Tighten the ball joint fastener. Use a combination spanner #16. Use a drive socket #14. Use a torque wrench. Tighten it to 55 Nm torque.

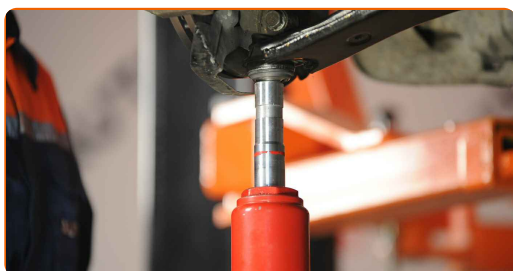


- 30 Connect the tie rod end to the steering knuckle.

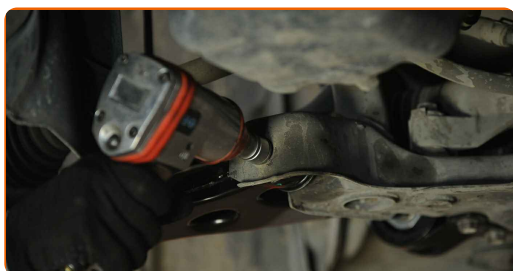
- 31 Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #17. Use a torque wrench. Tighten it to 40 nm torque.



- 32 Support the arm. Use a hydraulic transmission jack.



- 33** Tighten the front fastener connecting the control arm to the subframe. Use a drive socket #18. Use a torque wrench. Tighten it to 130 nm torque.



- 34** Remove the support from under the arm.

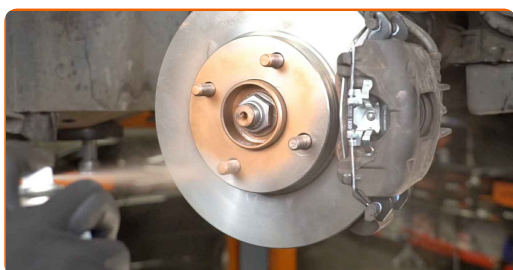


AUTODOC recommends:

- Replacement: front lower arm – MAZDA 5 (CR19). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

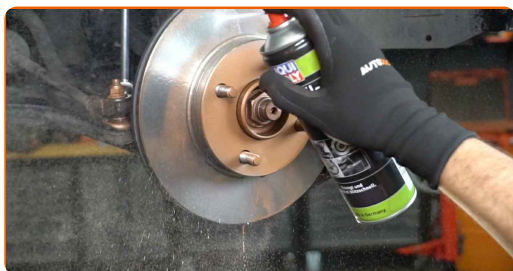
- 35** Treat all joints of the arm. Treat the fastener connecting the tie rod end to the steering knuckle. Use copper grease.

- 36** Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



37

Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- Replacement: rear lower arm – MAZDA 5 (CR19). After applying the spray, wait a few minutes.

38

Install the wheel.

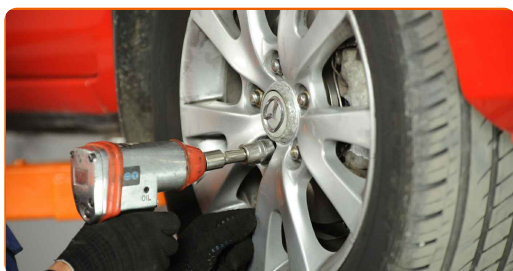


Replacement: front lower arm – MAZDA 5 (CR19). Tip:

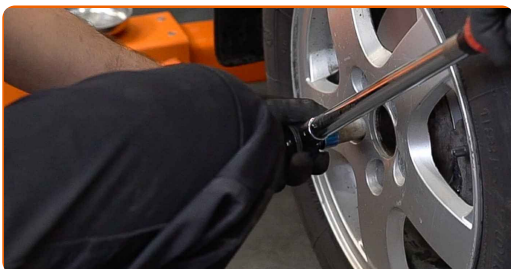
- To avoid injury, hold up the wheel when screwing in the fastening bolts.

39

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



- 40 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #19. Use a torque wrench. Tighten it to 118 nm torque.



- 41 Remove the jacks and chocks.



WELL DONE! 

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CONTROL ARM: A WIDE SELECTION

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