



VIDEO TUTORIAL

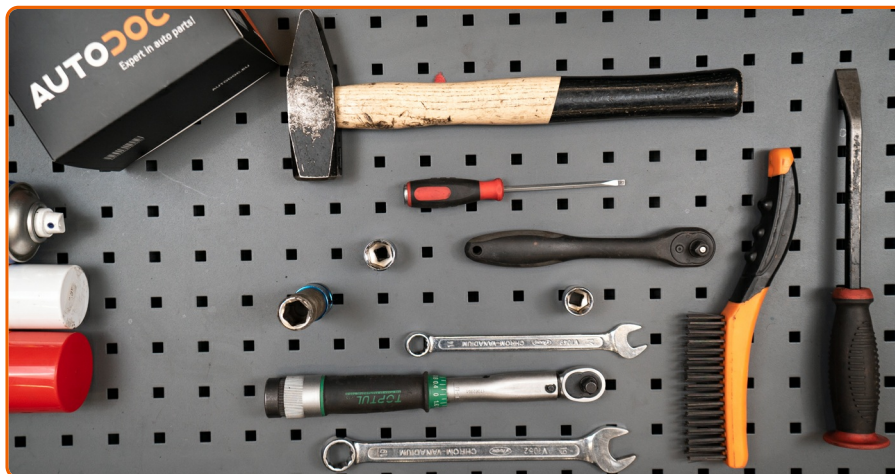
## Important!

This replacement procedure can be used for:  
TOYOTA RAV 4 II (\_A2\_) 2.0 4WD (ACA21, ACA20)

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The steps may slightly vary depending on the car design.

## REQUIRED TOOLS:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #19
- Drive socket # 17
- Drive socket # 19
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Hammer
- Flat Screwdriver
- Crow bar
- Hydraulic transmission jack
- Wheel chock

### AUTODOC recommends:

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

### CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

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.

## AUTODOC recommends:

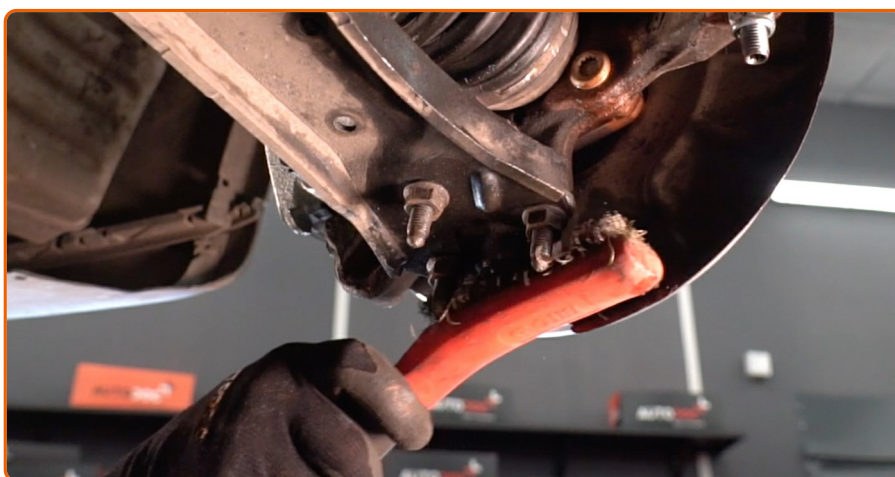
- To avoid injury, hold up the wheel when unscrewing the bolts.

5



Remove the wheel.

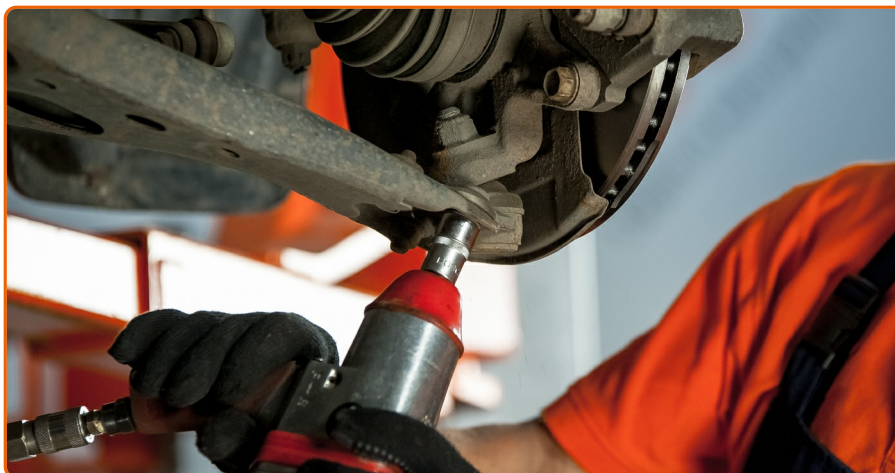
6



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



7



Unscrew the fastener connecting the ball joint to the suspension control arm. Use a drive socket #17. Use a ratchet wrench.

8



Unscrew the front arm fastener. Use a combination spanner #19.

9



Unscrew the rear fastener connecting the control arm to the subframe. Use a drive socket #19. Use a ratchet wrench.

10



Remove the rear fastener of the control arm.

11



Unscrew the subframe fastening. Use a drive socket #19. Use a ratchet wrench.

12

Remove the fastening bolts.

13



Support the engine in the oil pan area. Use a hydraulic transmission jack.



**14**

Remove the front fastener of the control arm. Use a crowbar.

**15**

Disconnect the spherical joint from the arm. Use a crowbar.

**16**

Remove the arm. Use a crowbar.

17



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

18



Install a new arm. Use a flat screwdriver.

## AUTODOC recommends:

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

19



Install the rear fastener of the control arm. Use a crowbar. Use a hammer.

20

Install the front fastener of the arm.

21

Screw the front arm fastener. Use a combination spanner #19.

22



Install the ball joint on the arm and tighten it. Use a drive socket #17. Use a torque wrench. Tighten it to 55 nm torque.

23

Install the fastening bolts.

24



Tighten the subframe fastening. Use a drive socket #19. Use a torque wrench. Tighten it to 95 nm torque.

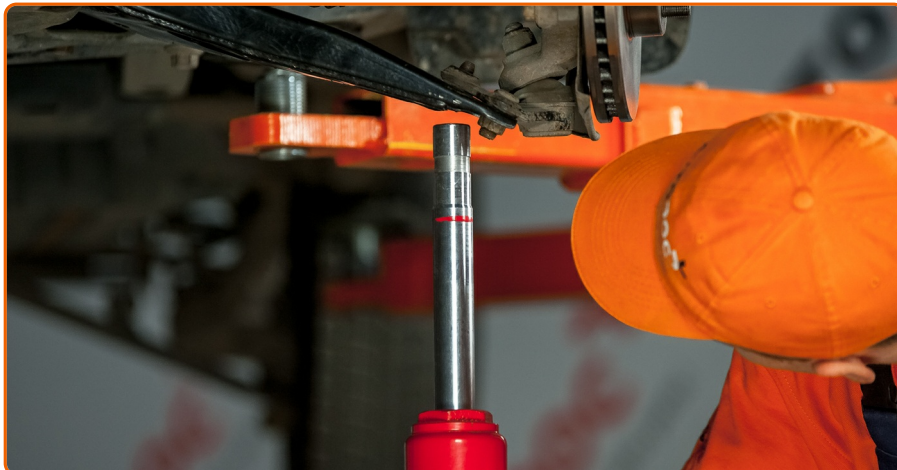


25



Tighten the rear fastener connecting the arm to the body subframe. Use a combination spanner #19. Use a drive socket #19. Use a torque wrench. Tighten it to 95 nm torque.

26



Remove the hydraulic transmission jack.

### AUTODOC recommends:

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

27



Support the arm. Use a hydraulic transmission jack.

28

Tighten the front fastener connecting the control arm to the subframe. Use a combination spanner #19. Use a torque wrench. Tighten it to 75 Nm torque.

29



Remove the support from under the arm.

## AUTODOC recommends:

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

30

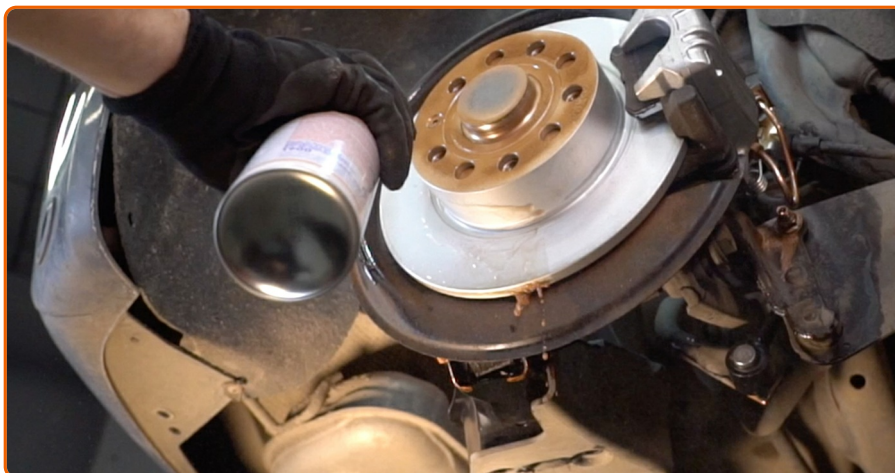
Treat all joints of the arm. Use copper grease.

31



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

32



Clean the brake disk surface. Use a brake cleaner.

## AUTODOC recommends:

- After applying the spray, wait a few minutes.

33



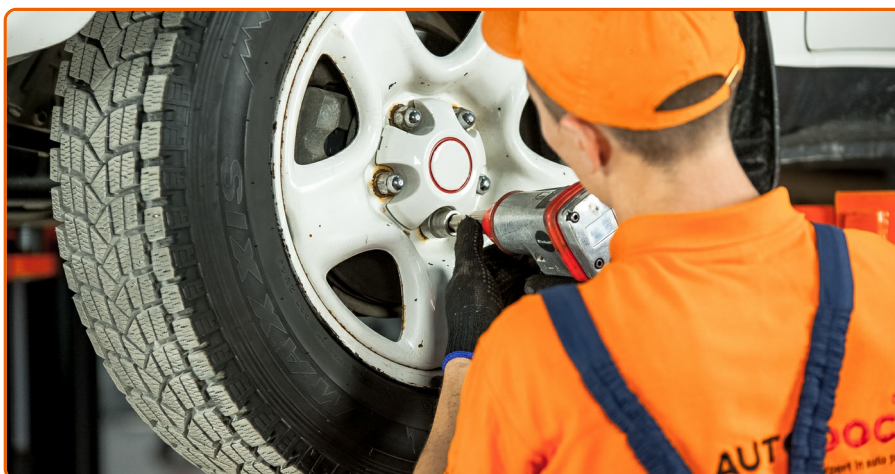
Install the wheel.



## AUTODOC recommends:

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

34



Screw in the wheel bolts. Use wheel impact socket #17.

35



Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 120 nm torque.

36



Remove the jacks and chocks.

**DID YOU FIND THESE INSTRUCTIONS  
HELPFUL?**

**YES**

**NO**



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