



How to change front
lower arm on **Toyota**
RAV4 III – replacement
guide

VIDEO TUTORIAL



i Important!

This replacement procedure can be used for:

TOYOTA RAV4 III Off-Road (XA30) 2.4 4WD (ACR38), TOYOTA RAV4 III Off-Road (XA30) 2.0 4WD (ACA30_), TOYOTA RAV4 III Off-Road (XA30) 2.2 D 4WD (ALA30_), TOYOTA RAV4 III Off-Road (XA30) 3.5 4WD (GSA33), TOYOTA RAV4 III Off-Road (XA30) 2.0 (ZSA35_), TOYOTA RAV4 III Off-Road (XA30) 2.0 4WD (ZSA30_), TOYOTA RAV4 III Off-Road (XA30) 2.2 D (ALA35_), TOYOTA RAV4 III Off-Road (XA30) 2.0, TOYOTA RAV4 III Off-Road (XA30) 2.0 4WD

The steps may slightly vary depending on the car design.

REPLACEMENT: FRONT LOWER ARM – TOYOTA RAV4

III. TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #19
- Drive socket # 12
- Drive socket # 17
- Drive socket # 22
- Wheel impact socket #21
- Torque wrench
- Crow bar
- Tap wrench
- Flat Screwdriver
- Round-nose pliers
- Ball joint puller
- Hydraulic transmission jack
- Wheel chock

[BUY TOOLS](#)

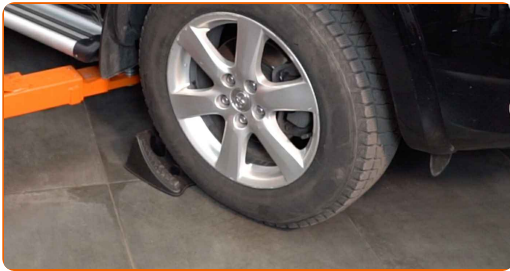
Replacement: front lower arm – Toyota RAV4 III. AUTODOC recommends:

- 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 – TOYOTA RAV4 III. RECOMMENDED SEQUENCE OF STEPS:

1

Secure the wheels with chocks.



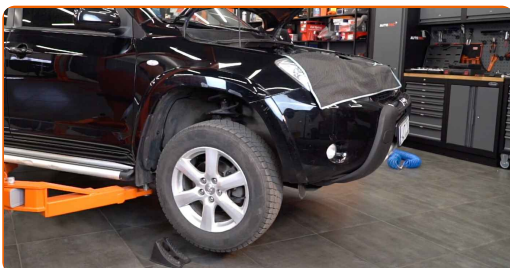
2

Loosen the wheel mounting bolts. Use wheel impact socket #21.



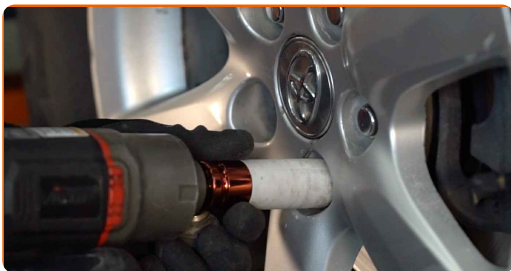
3

Raise the front of the car and secure on supports.



4

Unscrew the wheel bolts.

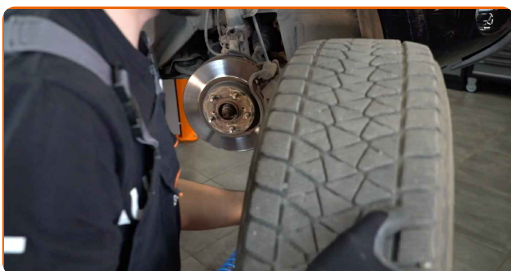


AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. Toyota RAV4 III

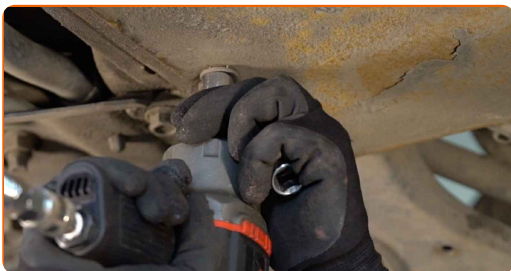
5

Remove the wheel.



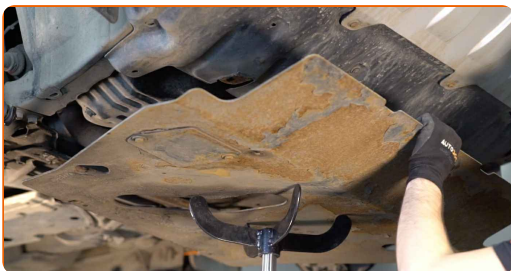
6

Undo the fasteners of the oil pan lower cover. Use a drive socket #12.



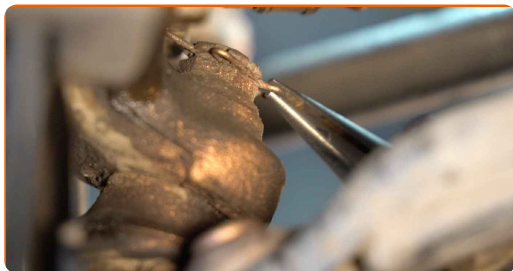
7

Remove the oil pan cover.



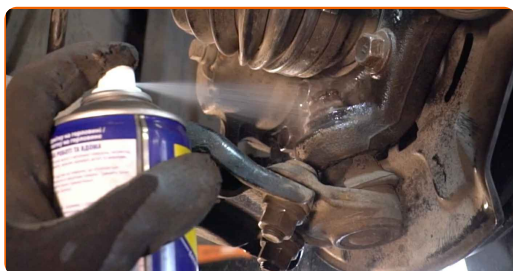
8

Remove the cotter pin. Use a flat screwdriver. Use round-nose pliers.



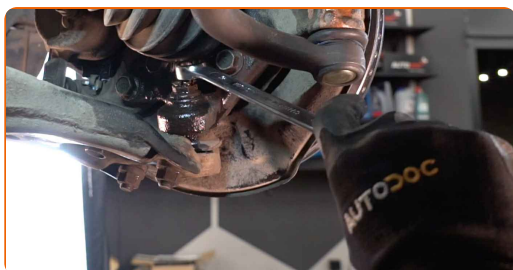
9

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



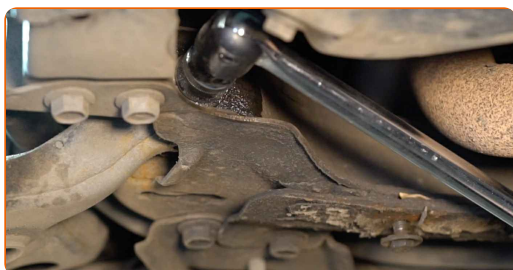
10

Loosen the fastener connecting the ball joint to the steering knuckle. Use a combination spanner #19.

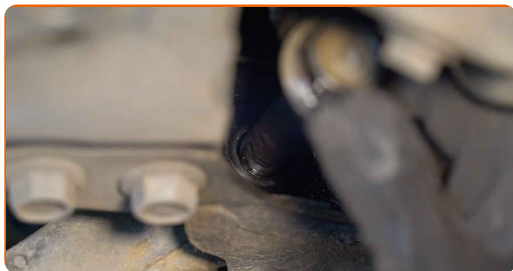


11

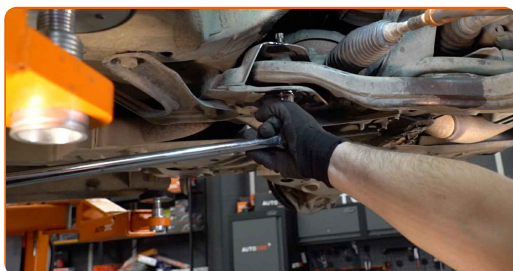
Unscrew the front arm fastener. Use a drive socket #22. Use a tap wrench.



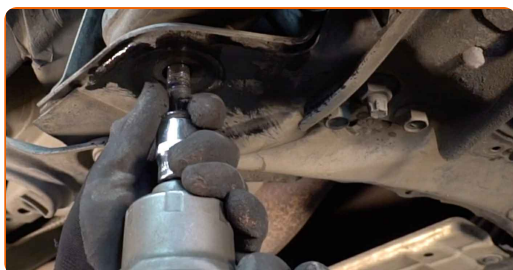
- 12** Remove the front fastener of the control arm.



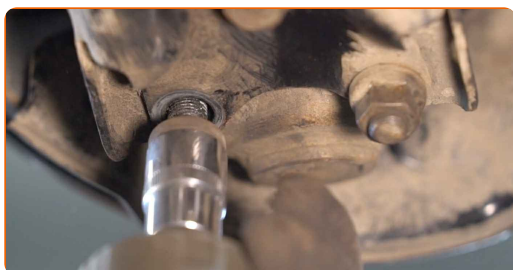
- 13** Unscrew the rear arm fastener. Use a drive socket #22. Use a tap wrench.



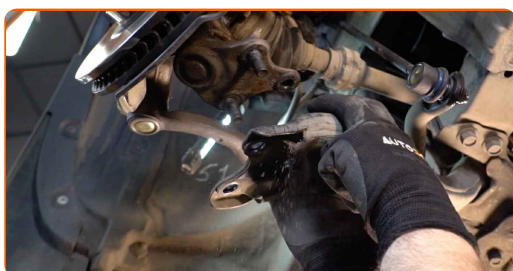
- 14** Remove the rear fastener of the control arm.



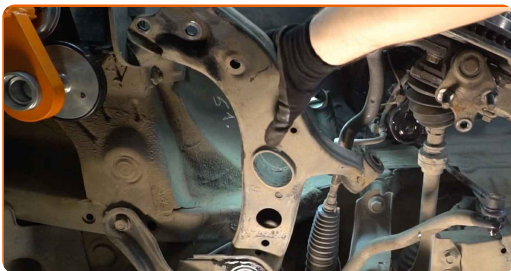
- 15** Unscrew the fastener connecting the ball joint to the suspension control arm. Use a drive socket #17.



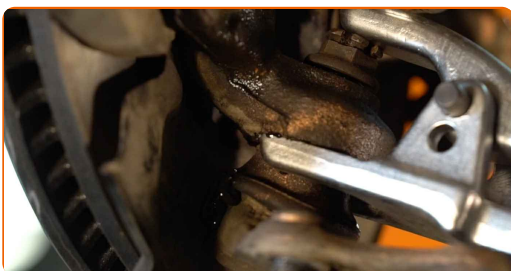
- 16** Disconnect the spherical joint from the arm.



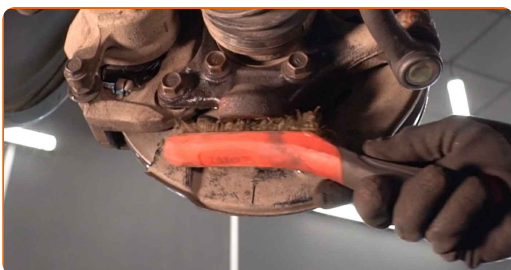
17 Remove the arm. Use a crowbar.



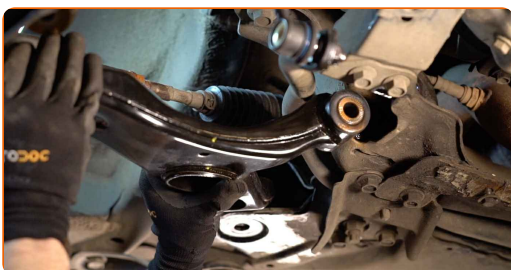
18 Disconnect the ball joint from the steering knuckle. Use a ball joint puller.



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



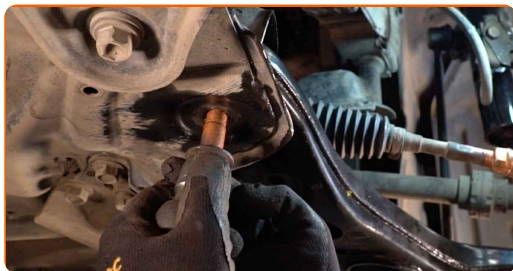
20 Install a new arm.



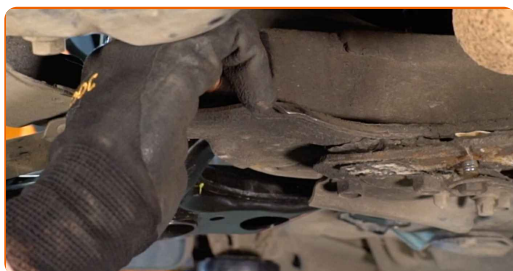
AUTODOC recommends:

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

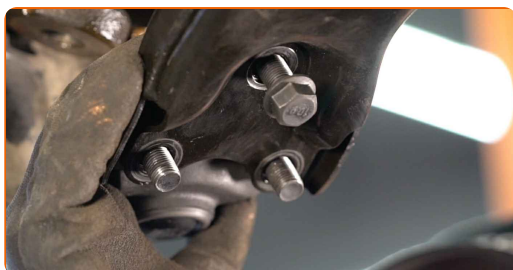
- 21 Install the rear fastener of the arm.



- 22 Install the front fastener of the arm.



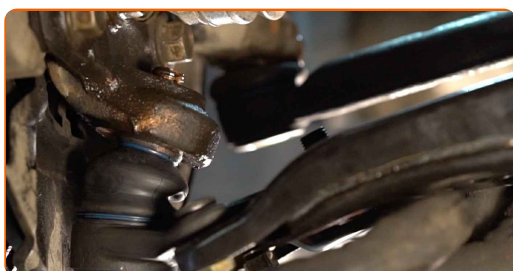
- 23 Attach the ball joint to the control arm.



- 24 Screw the fasteners of the ball joint. Use a drive socket #17.



- 25 Connect the ball joint to the steering knuckle.



- 26 Screw the fastener connecting the ball joint to the steering knuckle. Use a combination spanner #19. Use a torque wrench. Tighten it to 133 Nm torque.



AUTODOC recommends:

- Important! Be sure to use new fasteners.

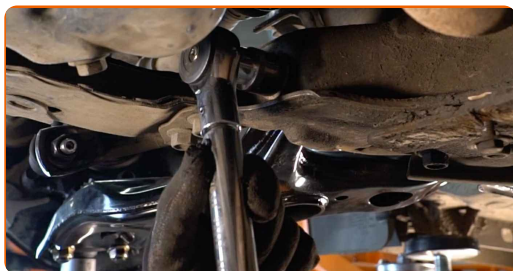
- 27 Install the cotter pin. Use round-nose pliers.



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



- 29 Tighten the front fastener connecting the control arm to the subframe. Use a drive socket #22. Use a torque wrench. Tighten it to 175 Nm torque.



- 30 Tighten the rear fastener of the control arm. Use a combination spanner #19. Use a drive socket #22. Use a torque wrench. Tighten it to 214 nm torque.



- 31 Remove the support from under the arm.

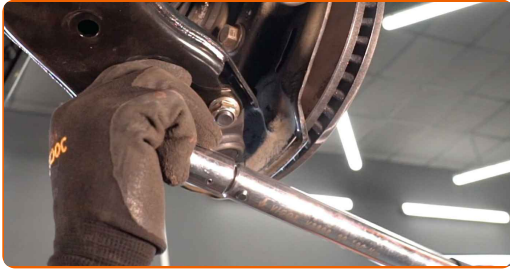


Replacement: front lower arm – Toyota RAV4 III. Tip from AUTODOC:

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

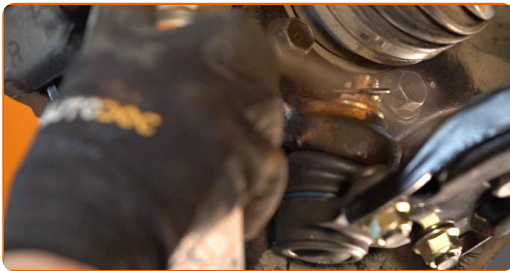
32

Tighten the ball joint fastener. Use a drive socket #17. Use a torque wrench. Tighten it to 92 nm torque.



33

Treat all joints of the arm. Use copper grease.



34

Reinstall the oil pan lower cover.



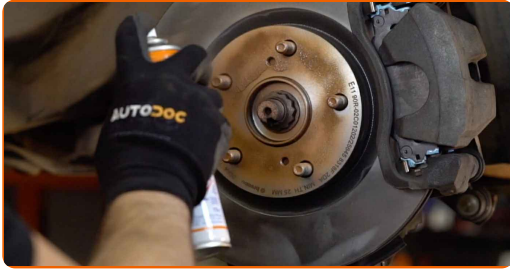
35

Tighten the fasteners of the oil pan lower cover. Use a drive socket #12.



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.

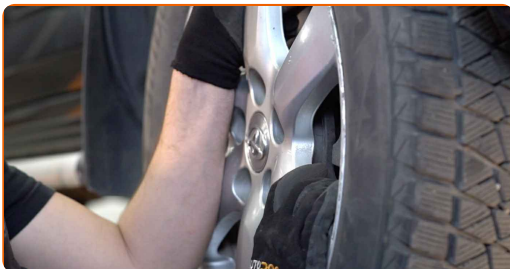


AUTODOC recommends:

- Replacement: front lower arm – Toyota RAV4 III. After applying the spray, wait a few minutes.

38

Install the wheel.



Replacement: front lower arm – Toyota RAV4 III. Professionals recommend:

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

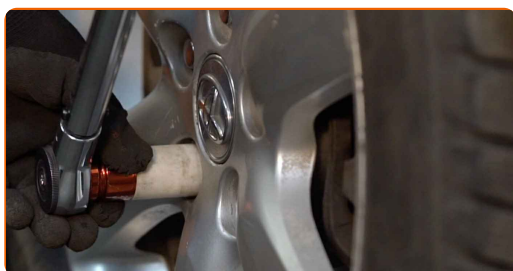
39

Screw in the wheel bolts. Use wheel impact socket #21.



40

Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 103 nm torque.



41

Remove the jacks and chocks.



WELL DONE! 

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