



How to change rear
wheel bearing on **Toyota**
RAV4 II – replacement
guide

VIDEO TUTORIAL



Important!

This replacement procedure can be used for:

TOYOTA AURIS (NRE15_, ZZE15_, ADE15_, ZRE15_, NDE15_) 1.8 (ZRE152_), TOYOTA RAV 4 III (ACA3_, ACE_, ALA3_, GSA3_, ZSA3_) 2.4 4WD (ACR38), TOYOTA PRIUS PLUS (ZVW4_) 1.8 Hybrid (ZVW4_), TOYOTA COROLLA Saloon (E15_) 1.4 VVT-i, TOYOTA COROLLA Saloon (E15_) 2.0 VVTi, TOYOTA AVENSIS Saloon (ZRT27, ADT27) 2.0 D-4D (ADT270_), TOYOTA AVENSIS Estate (ZRT27, ADT27) 2.0 D-4D (ADT270_), TOYOTA RAV 4 II (CLA2_, XA2_, ZCA2_, ACA2_) 2.0 D 4WD (CLA20_, CLA21_), TOYOTA COROLLA (ZZE12_, NDE12_, ZDE12_) 1.4 VVT-i (ZZE120_), TOYOTA COROLLA Estate (_E12J_, _E12T_) 1.4 VVT-i (ZZE120_), TOYOTA COROLLA Saloon (_E12J_, _E12T_) 1.4 VVT-i (ZZE120_), TOYOTA COROLLA Estate (_E12J_, _E12T_) 1.4 D4-D (NDE120_), TOYOTA COROLLA (ZZE12_, NDE12_, ZDE12_) 1.4 D (NDE120_), TOYOTA COROLLA Saloon (_E12J_, _E12T_) 1.4 D-4D (NDE120_), TOYOTA RAV 4 III (ACA3_, ACE_, ALA3_, GSA3_, ZSA3_) 2.0 4WD (ACA30_), (+ 68)

The steps may slightly vary depending on the car design.

REPLACEMENT: WHEEL BEARING – TOYOTA RAV4 II.
TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- All-purpose cleaning spray
- Brake cleaner
- Ceramic grease
- Copper grease
- Torque wrench
- Drive socket # 14
- Drive socket # 30
- Wheel impact socket #19
- Ratchet wrench
- Flat screwdriver
- Long nose pliers
- Crow bar
- Hydraulic transmission jack
- Wheel chock

BUY TOOLS

AUTODOC recommends:

- Do not re-use the bearing assembly of your Toyota RAV4 II car.
- The wheel hub bearing replacement procedure is identical for both wheels on the same axle.
- Please note: all work on the car – Toyota RAV4 II – 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 car.

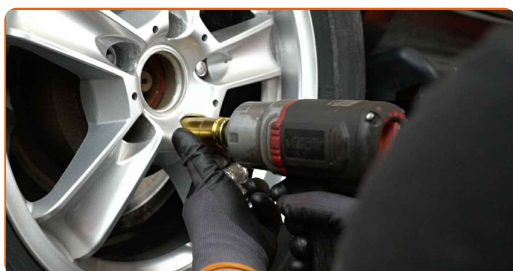


Replacement: wheel bearing – Toyota RAV4 II. AUTODOC experts recommend:

- If you are using a jack, make sure it rests on a flat surface without any unevenness.
- Be sure to additionally secure the car with jack stands.

4

Unscrew the wheel bolts.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.
Toyota RAV4 II

5

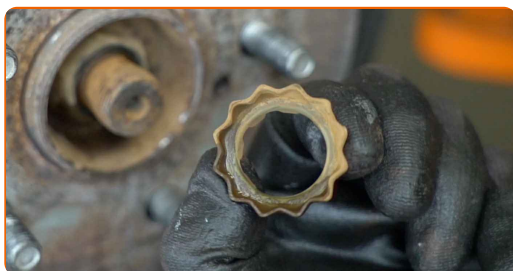
Remove the wheel.



6 Remove the cotter pin. Use a crowbar.



7 Remove the wheel hub bearing retaining ring. Use a crowbar.



8 Install the wheel.

AUTODOC recommends:

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

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

10 Lower the car.



11

Loosen the fastener of the driveshaft. Use a drive socket #30.



12

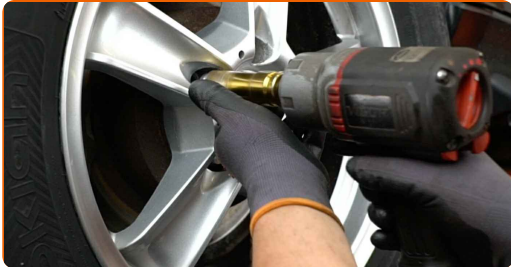
Raise the car.

Replacement: wheel bearing – Toyota RAV4 II. AUTODOC recommends:

- If you are using a jack, make sure it rests on a flat surface without any unevenness.
- Be sure to additionally secure the car with jack stands.

13

Unscrew the wheel bolts.



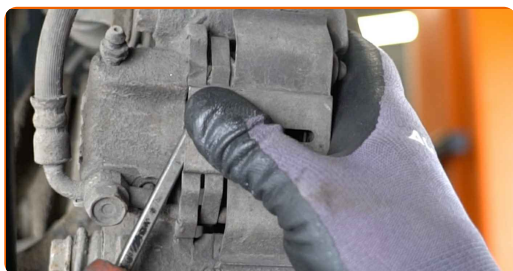
AUTODOC recommends:

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

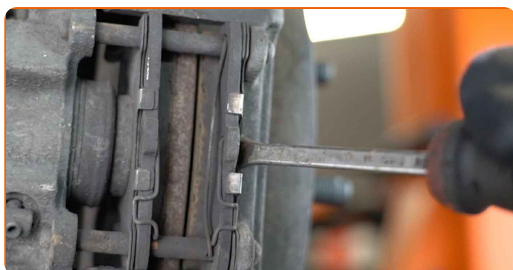
14 Remove the wheel.



15 Detach the brake caliper retaining spring. Use a crowbar.



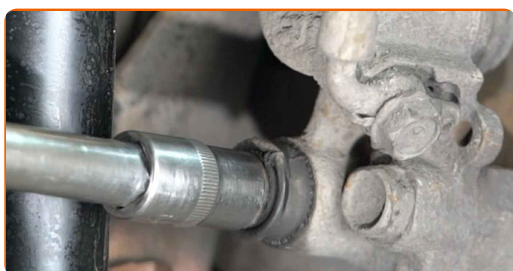
16 Spread the brake pads. Use a crowbar.



17 Clean the brake caliper fasteners. Use a wire brush. Use WD-40 spray.

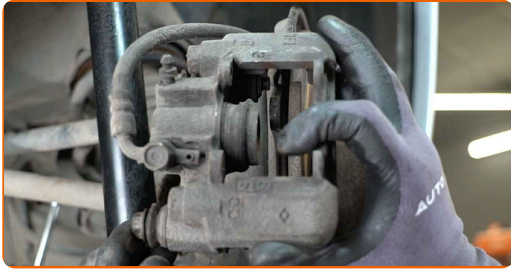


18 Unscrew the brake caliper fasteners. Use a drive socket #14. Use a ratchet wrench.



19

Remove the brake caliper.

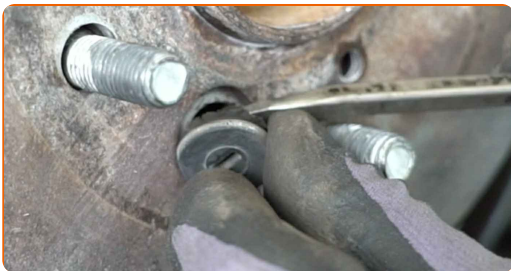


Replacement: wheel bearing – Toyota RAV4 II. AUTODOC experts recommend:

- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- Make sure that the brake caliper is not hanging on the brake hose.
- Don't press the brake pedal after the brake caliper has been removed. As a result, the piston can fall out from the brake cylinder, and brake fluid leakage and depressurization of the system may occur.

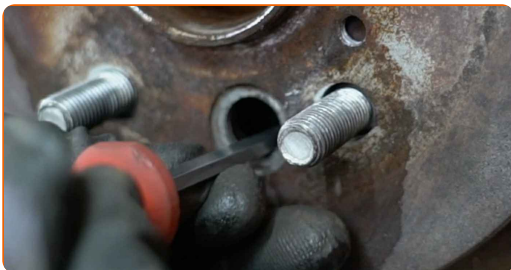
20

Remove the rubber plug. Use a crowbar.



21

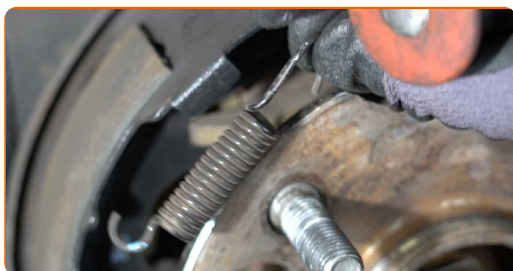
Release the parking brake adjuster. Use a flat screwdriver.



22 Remove the brake disc.



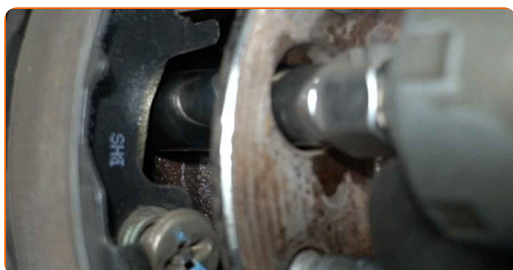
23 Remove the left brake shoe spring of the parking brake. Use long nose pliers. Use a crowbar.



24 Treat the wheel hub bearing fasteners. Use WD-40 spray.



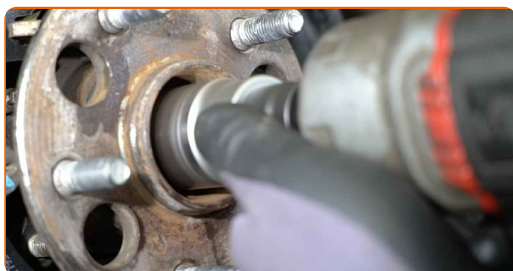
25 Unscrew the wheel hub bearing fasteners. Use a drive socket #14. Use a ratchet wrench.



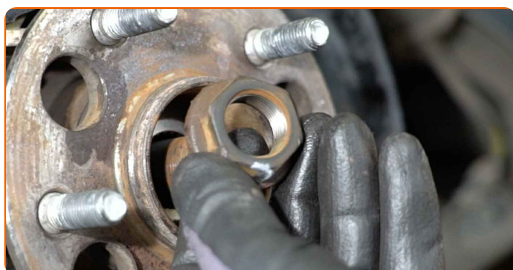
26 Remove the fastening nuts.



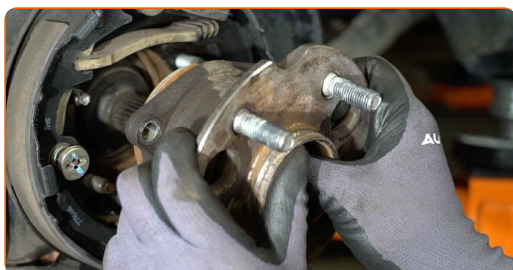
27 Unscrew the fastener connecting the drive shaft to the wheel hub. Use a drive socket #30. Use a ratchet wrench.



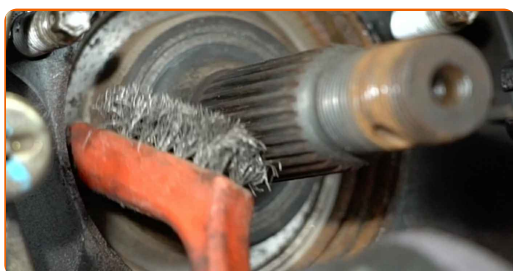
28 Remove the fastening nut.



29 Remove the wheel hub bearing.

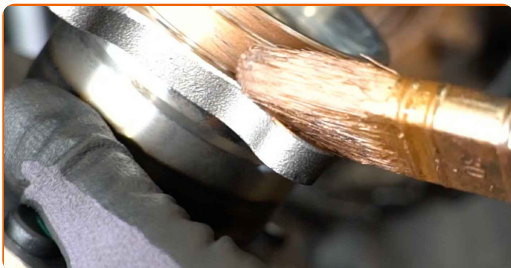


30 Clean the hub bearing mounting seat. Use a wire brush. Use all-purpose cleaning spray.



31 Treat the splines of the driveshaft CV joint. Use copper grease.

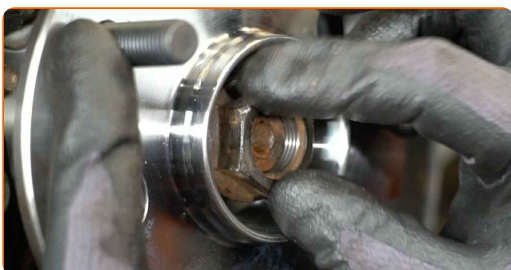
32 Treat the wheel bearing mounting seat. Use copper grease.



33 Install a new wheel hub bearing.



34 Install the fastening nut.



35 Install the fastening nuts.

36 Support the rear knuckle. Use a hydraulic transmission jack.

37 Tighten the wheel hub bearing fasteners. Use a drive socket #14. Use a torque wrench. Tighten it to 50 Nm torque.



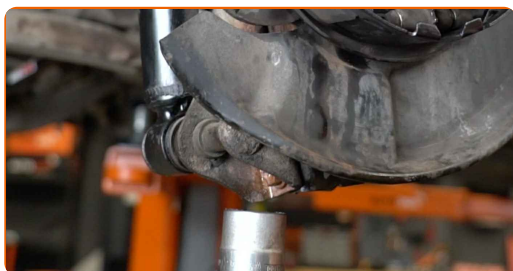
38

Screw in the fastener of the CV axle. Use a drive socket #30. Use a ratchet wrench.



39

Remove the support from under the rear knuckle.

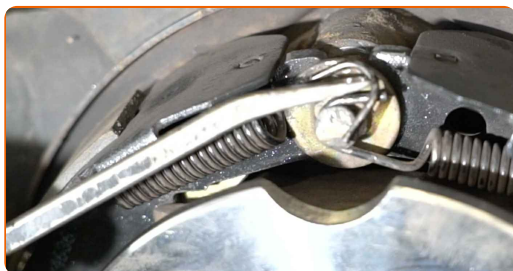


AUTODOC recommends:

- Replacement: wheel bearing – Toyota RAV4 II. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

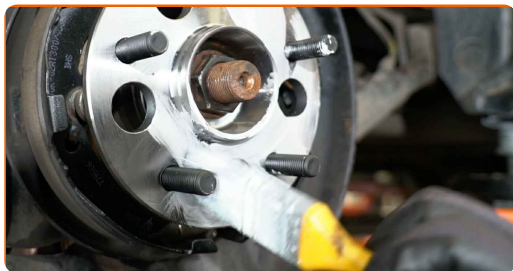
40

Install the left brake shoe spring of the parking brake. Use a crowbar.



41

Treat the hub where it contacts the brake disk. Use ceramic grease.



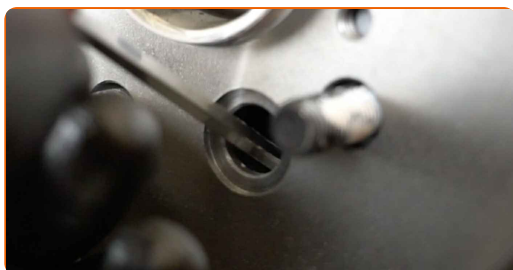
42

Install the brake disc.



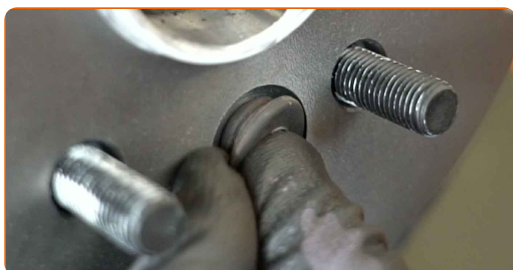
43

Set the parking brake adjuster in the correct position. Use a flat screwdriver.



44

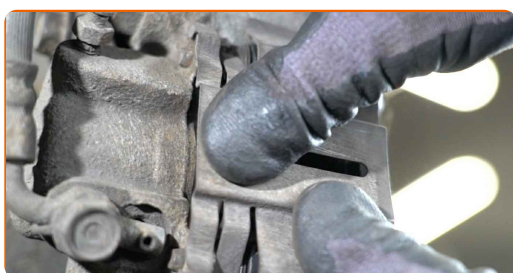
Install the rubber plug. Use a crowbar.



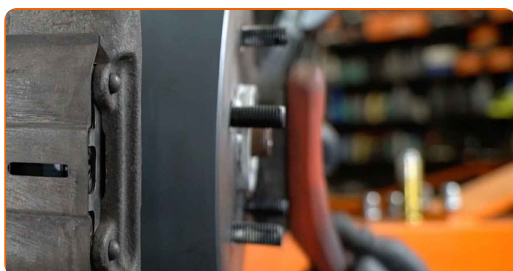
- 45 Install the brake caliper and fix it. Tighten the brake caliper fasteners. Use a drive socket #14. Use a torque wrench. Tighten it to 44 Nm torque.



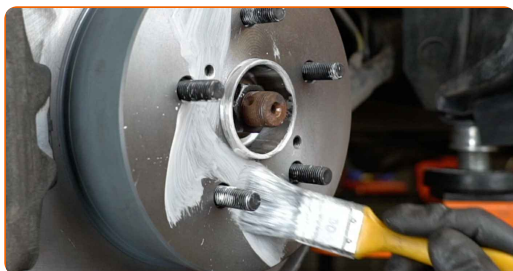
- 46 Install the brake caliper retaining spring.



- 47 Clean the wheel rim mounting seat. Use a wire brush.

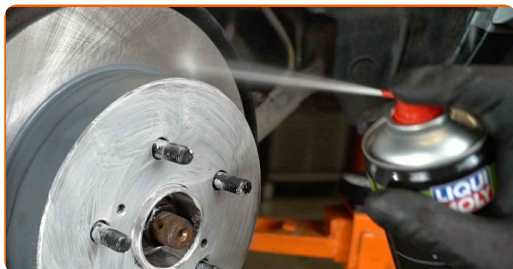


- 48 Treat the surface where the brake disc contacts the wheel rim. Use ceramic grease.



49

Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- After applying the spray, wait a few minutes.

50

Install the wheel.



AUTODOC recommends:

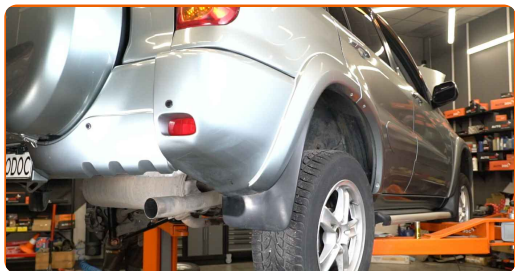
- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. Toyota RAV4 II

51

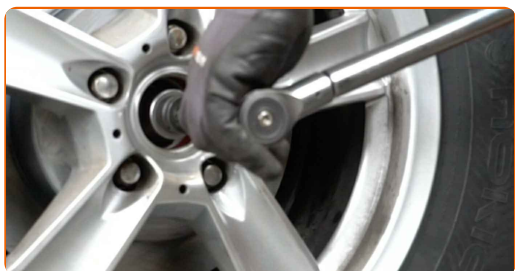
Screw in the wheel bolts. Use wheel impact socket #19.



52 Lower the car.



53 Tighten the drive shaft nut. Use a drive socket #30. Use a torque wrench. Tighten it to 216 Nm torque.



54 Raise the car.



AUTODOC recommends:

- If you are using a jack, make sure it rests on a flat surface without any unevenness.
- Be sure to additionally secure the car with jack stands.

55 Unscrew the wheel bolts.



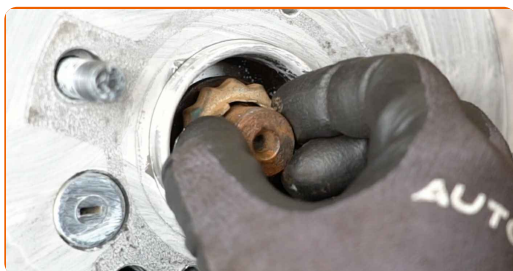
AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. Toyota RAV4 II

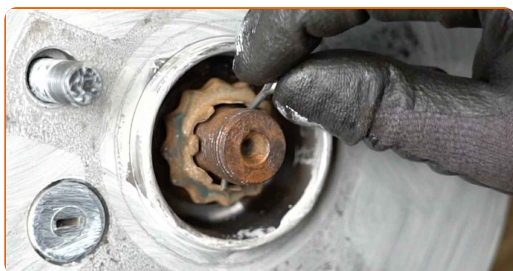
56 Remove the wheel.



57 Install the wheel hub bearing retaining ring.

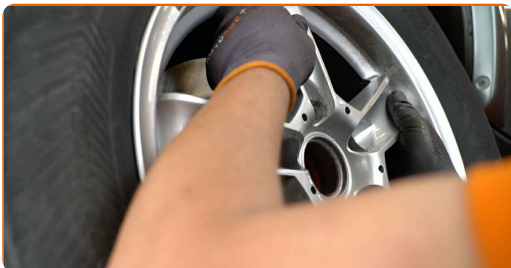


58 Install the cotter pin. Use a crowbar.



59 Treat the CV axle fastener. Use copper grease.

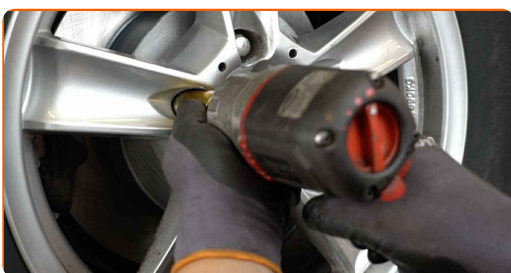
60 Install the wheel.



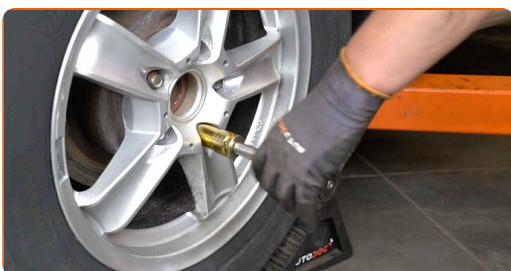
AUTODOC recommends:

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

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



62 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 103 Nm torque.



63

Remove the jacks and chocks.



Replacement: wheel bearing – Toyota RAV4 II. Professionals recommend:

- Without starting the engine, press the brake pedal several times until you feel significant resistance.
- Check the brake fluid level in the expansion tank and refill if necessary.

WELL DONE! 

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