



How to change front
brake pads on **Toyota**
RAV4 III – replacement
guide

VIDEO TUTORIAL



ⓘ Important!

This replacement procedure can be used for:

TOYOTA Urban Cruiser (_P1_) 1.33 (NSP110_), TOYOTA RAV 4 III (ACA3_, ACE_, ALA3_, GSA3_, ZSA3_) 3.5 4WD, TOYOTA Verso S (_P12_) 1.33 (NSP120_), TOYOTA Verso S (_P12_) 1.4 D4-D (NLP121_), TOYOTA PRIUS PLUS (ZVW4_) 1.8 Hybrid (ZVW4_), TOYOTA Urban Cruiser (_P1_) 1.5 VVTi (NCP110_), TOYOTA COROLLA Saloon (E15_) 1.4 VVT-i, TOYOTA RAV 4 III (ACA3_, ACE_, ALA3_, GSA3_, ZSA3_) 2.4 (ACA33), TOYOTA RAV 4 III (ACA3_, ACE_, ALA3_, GSA3_, ZSA3_) 3.5 4WD (GSA33), TOYOTA AURIS (NRE15_, ZZE15_, ADE15_, ZRE15_, NDE15_) 2.2 D (ADE157_), TOYOTA AURIS (NRE15_, ZZE15_, ADE15_, ZRE15_, NDE15_) 2.0 D-4D (ADE150_), TOYOTA AURIS (NRE15_, ZZE15_, ADE15_, ZRE15_, NDE15_) 1.4 D-4D (NDE150_), TOYOTA AURIS (NRE15_, ZZE15_, ADE15_, ZRE15_, NDE15_) 1.6 (ZRE151_), TOYOTA AURIS (NRE15_, ZZE15_, ADE15_, ZRE15_, NDE15_) 1.4 (ZZE150_), TOYOTA COROLLA Saloon (E15_) 1.6 Dual VVTi (ZRE141), (+ 21)

The steps may slightly vary depending on the car design.

REPLACEMENT: BRAKE PADS – TOYOTA RAV4 III. TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Anti-squeal paste
- Copper grease
- Drive socket # 14
- Wheel impact socket #21
- Brake caliper wind back tool
- Ratchet wrench
- Torque wrench
- Crow bar
- Wheel chock

BUY TOOLS

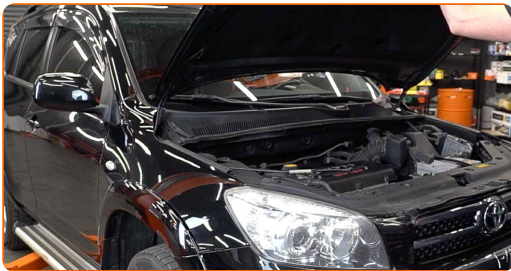
Replacement: brake pads – Toyota RAV4 III. Tip:

- Perform the replacement of brake pads in complete set for each axis. This provides effective braking.
- The replacement procedure is identical for all brake pads on the same axle.
- All work should be done with the engine stopped.

REPLACEMENT: BRAKE PADS – TOYOTA RAV4 III. RECOMMENDED SEQUENCE OF STEPS:

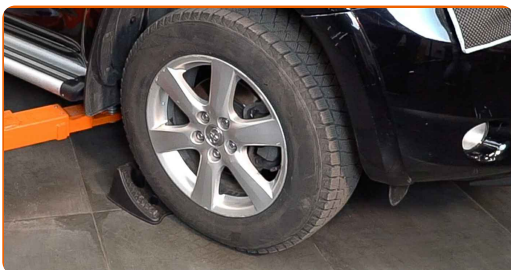
1

Open the bonnet. Unscrew the brake fluid reservoir cap.



2

Secure the wheels with chocks.

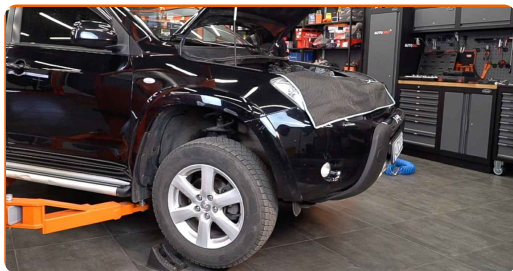


3

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



- 4 Raise the front of the car and secure on supports.



- 5 Unscrew the wheel bolts.



AUTODOC recommends:

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

- 6 Remove the wheel.



- 7 Spread the brake pads. Use a crowbar.



8

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

**9**

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

**10**

Remove the brake caliper.

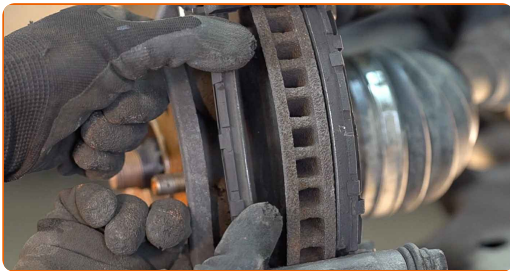


Replacement: brake pads – Toyota RAV4 III. AUTODOC recommends:

- 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.
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

11

Remove the brake pads.

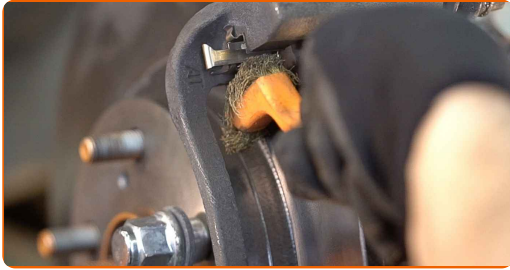


Replacement: brake pads – Toyota RAV4 III. AUTODOC experts recommend:

- Measure the brake disc thickness. Upon reaching the wear limit the part must be replaced.

12

Clean the brake caliper bracket from dirt and dust. Use a wire brush. Use a brake cleaner.



AUTODOC recommends:

- Replacement: brake pads – Toyota RAV4 III. After applying the spray, wait a few minutes.

13

Treat the brake pads in the area where their surface comes into contact with the brake caliper bracket. Use anti-squeal paste.

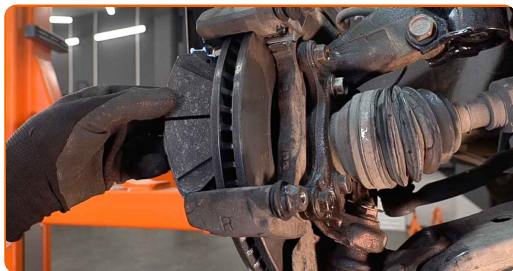


Replacement: brake pads – Toyota RAV4 III. Tip from AUTODOC:

- Make sure the disc surface is clean before installing the pads.

14

Install new brake pads.

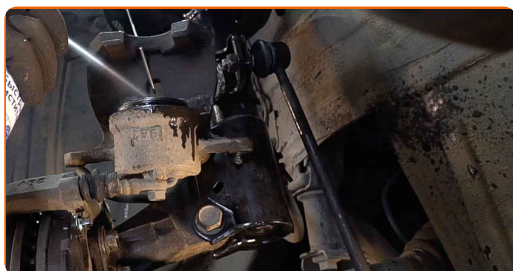


AUTODOC recommends:

- Make sure the pads are installed with linings facing the disc.

15

Treat the brake caliper piston. Use a brake cleaner.



Replacement: brake pads – Toyota RAV4 III. Tip from AUTODOC experts:

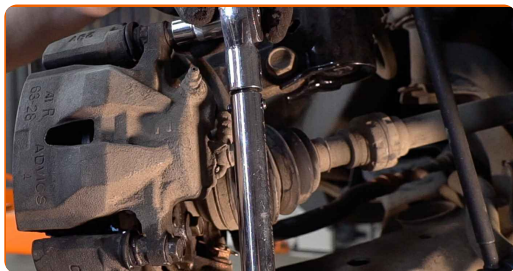
- After applying the spray, wait a few minutes.

16

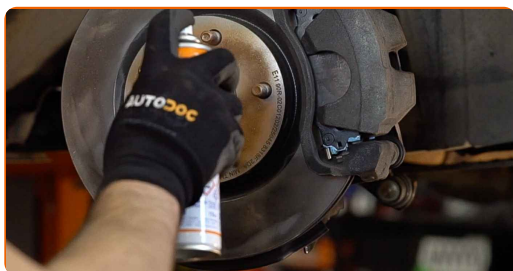
Press in the brake caliper piston. Use brake caliper wind back tool.



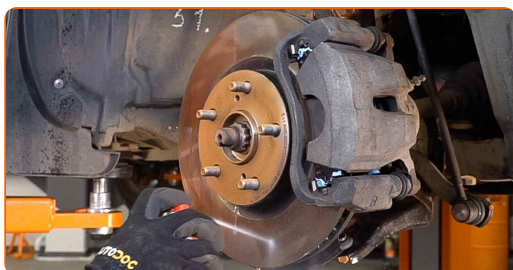
- 17** Install the brake caliper and fix it. Use a drive socket #14. Use a torque wrench. Tighten it to 35 Nm torque.



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



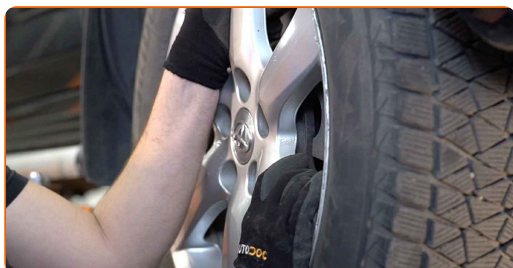
- 19** Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- Replacement: brake pads – Toyota RAV4 III. After applying the spray, wait a few minutes.

- 20** Install the wheel.



Replacement: brake pads – Toyota RAV4 III. AUTODOC recommends:

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

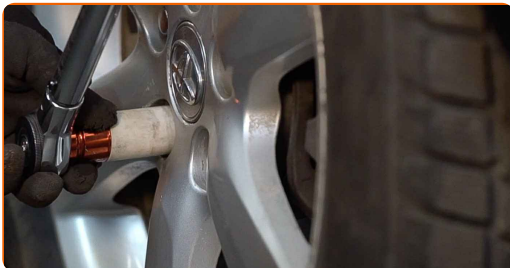
21

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



22

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



23

Remove the jacks and chocks.

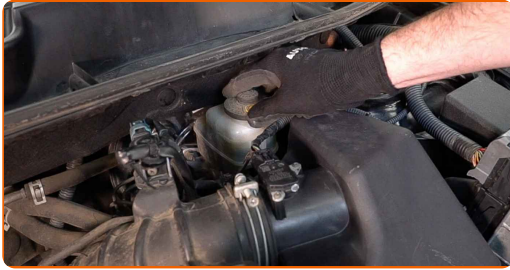


Replacement: brake pads – Toyota RAV4 III. Tip:

- Check the brake fluid level in the expansion tank and refill if necessary.

24

Tighten the brake fluid reservoir cap.

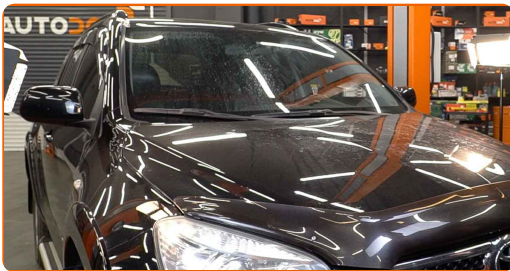


AUTODOC recommends:

- Toyota RAV4 III – Without starting the engine, press the brake pedal several times until it feels firm.

25

Close the hood.



Replacement: brake pads – Toyota RAV4 III. AUTODOC recommends:

- Slow down smoothly for first 150-200 km after the brake pads replacement. Avoid unnecessary and sharp braking to a stop.

WELL DONE! 

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