



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

**VIDEO TUTORIAL**



** Important!**

This replacement procedure can be used for:

TOYOTA RAV 4 III (ACA3\_, ACE\_, ALA3\_, GSA3\_, ZSA3\_) 2.4 4WD (ACR38), TOYOTA RAV 4 III (ACA3\_, ACE\_, ALA3\_, GSA3\_, ZSA3\_) 3.5 4WD, TOYOTA Camry Saloon (\_V5\_) 2.5, TOYOTA Camry Saloon (\_V4\_) 2.0 (ACV41\_), TOYOTA PRIUS PLUS (ZVW4\_) 1.8 Hybrid (ZVW4\_), TOYOTA Camry Saloon (\_V4\_) 3.5 (GSV40\_), TOYOTA Camry Saloon (\_V4\_) 2.5 (ASV40\_), TOYOTA RAV 4 III (ACA3\_, ACE\_, ALA3\_, GSA3\_, ZSA3\_) 2.0 4WD (ACA30\_), TOYOTA RAV 4 III (ACA3\_, ACE\_, ALA3\_, GSA3\_, ZSA3\_) 2.2 D 4WD (ALA30\_), TOYOTA Camry Saloon (\_V4\_) 2.4 (ACV40), TOYOTA RAV 4 III (ACA3\_, ACE\_, ALA3\_, GSA3\_, ZSA3\_) 2.4 (ACA33), TOYOTA RAV 4 III (ACA3\_, ACE\_, ALA3\_, GSA3\_, ZSA3\_) 2.0 (ZSA35\_), TOYOTA RAV 4 III (ACA3\_, ACE\_, ALA3\_, GSA3\_, ZSA3\_) 2.0 4WD (ZSA30\_), TOYOTA AURIS (NRE15\_, ZZE15\_, ADE15\_, ZRE15\_, NDE15\_) 1.8 Hybrid (ZWE150\_), TOYOTA Camry Saloon (\_V4\_) 2.4 (ACV40\_), (+ 23)

The steps may slightly vary depending on the car design.

**REPLACEMENT: BRAKE DISCS – TOYOTA RAV4 III. LIST OF THE TOOLS YOU'LL NEED:**



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Drive socket # 14
- Drive socket # 17
- Wheel impact socket #21
- Brake caliper wind back tool
- Ratchet wrench
- Torque wrench
- Tap wrench
- Crow bar
- Wheel chock

**BUY TOOLS**

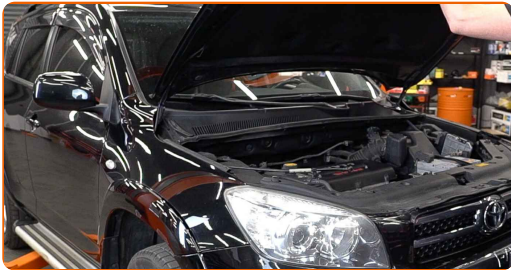
### Replacement: brake discs – Toyota RAV4 III. AUTODOC recommends:

- Replace the brake disks on the car Toyota RAV4 III in complete set for each axis. Regardless of the state of components. This will ensure even braking.
- The replacement procedure is identical for both brake disks on the same axle.
- When changing the brake discs, always replace the brake pads.
- Please note: all work on the car – Toyota RAV4 III – should be done with the engine switched off.

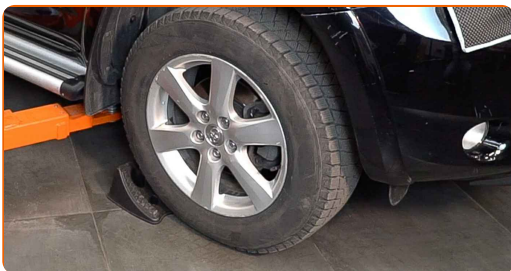
## CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

**1**

Open the bonnet. Unscrew the brake fluid reservoir cap.

**2**

Secure the wheels with chocks.



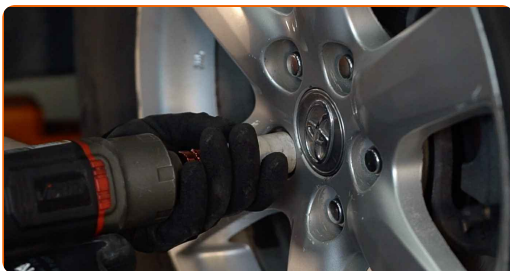
**3** Loosen the wheel mounting bolts. Use wheel impact socket #21.



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



**5** Unscrew the wheel bolts.



**Replacement: brake discs – Toyota RAV4 III. Tip:**

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

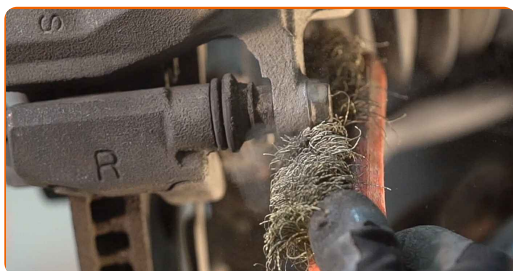
**6** Remove the wheel.



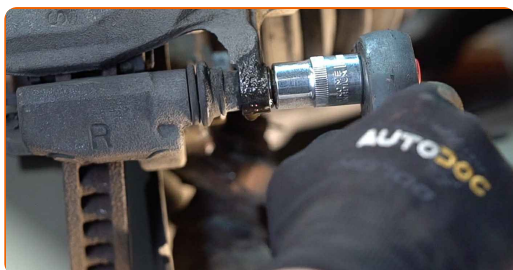
7 Spread the brake pads. Use a crowbar.



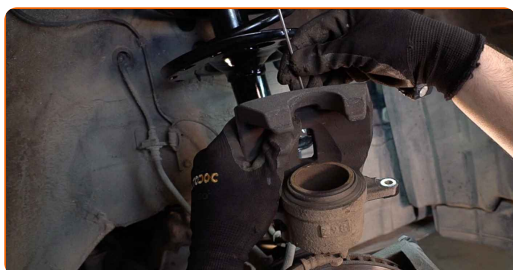
8 Clean the brake caliper fasteners. Use a wire brush. Use WD-40 spray.



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



10 Remove the brake caliper.



Replacement: brake discs – Toyota RAV4 III. 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.
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

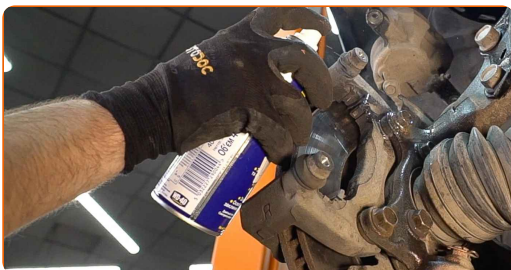
11

Remove the brake pads.



12

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



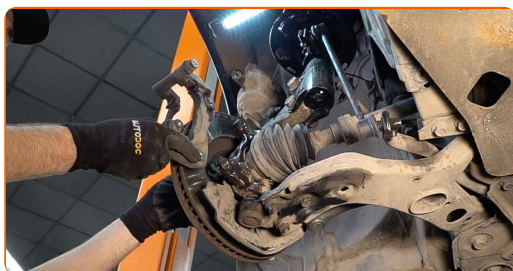
13

Unscrew the caliper bracket fastening. Use a drive socket #17. Use a ratchet wrench. Use a tap wrench.



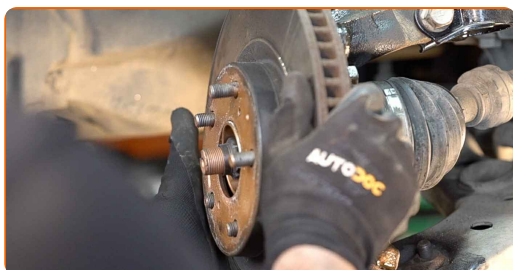
14

Remove the caliper bracket.



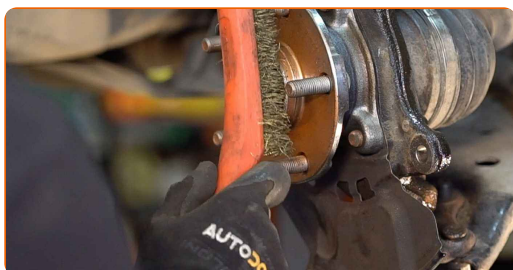
15

Remove the brake disc.



16

Clean the hub. Use a wire brush. Treat the contacting surface. Use copper grease.



17

Install the brake disc.





18

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



**AUTODOC recommends:**

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

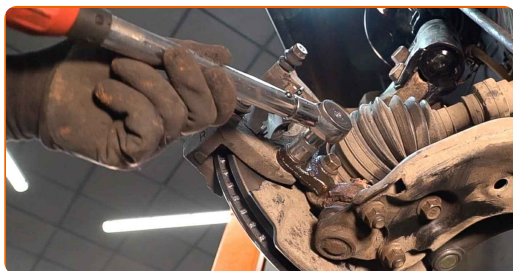
19

Install the brake caliper bracket.



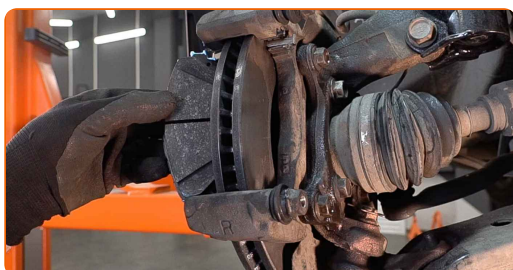
20

Tighten the brake caliper bracket. Use a drive socket #17. Use a torque wrench. Tighten it to 98 Nm torque.

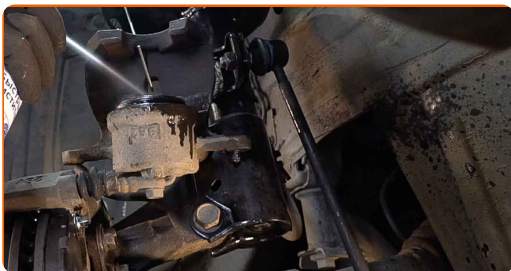


21

Install the brake pads.



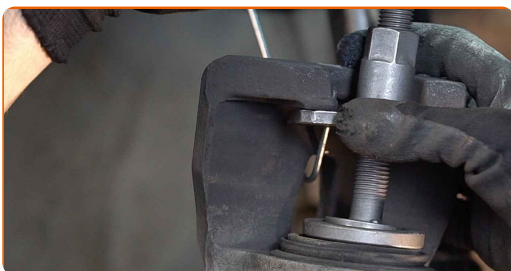
**22** Treat the brake caliper piston. Use a brake cleaner.



**Replacement: brake discs – Toyota RAV4 III. Tip:**

- After applying the spray, wait a few minutes.

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



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



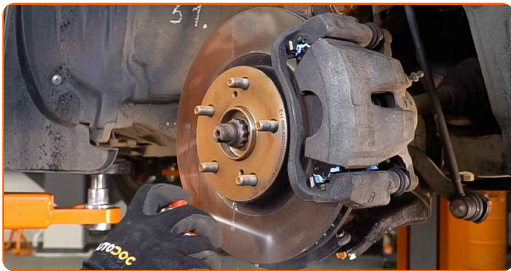
**25**

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



**26**

Clean the brake disk surface. Use a brake cleaner.

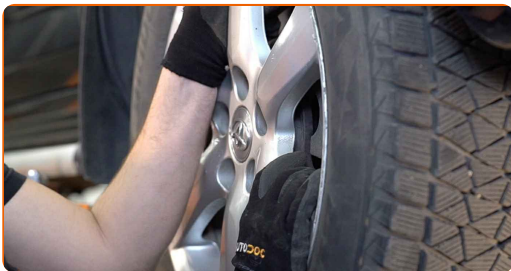


**AUTODOC recommends:**

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

**27**

Install the wheel.



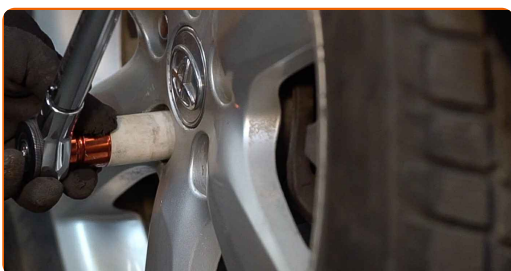
**Replacement: brake discs – Toyota RAV4 III. Tip from AUTODOC experts:**

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

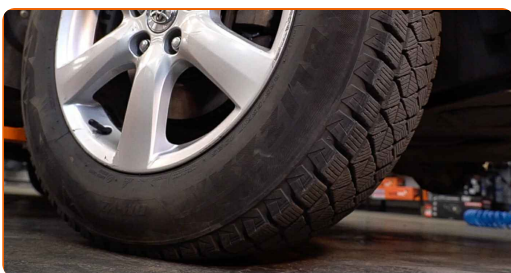
**28** Screw in the wheel bolts. Use wheel impact socket #21.



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



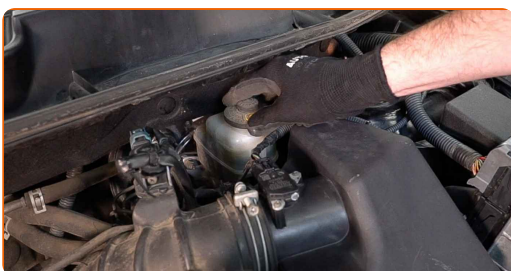
**30** Remove the jacks and chocks.



Replacement: brake discs – Toyota RAV4 III. Professionals recommend:

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

**31** Tighten the brake fluid reservoir cap.

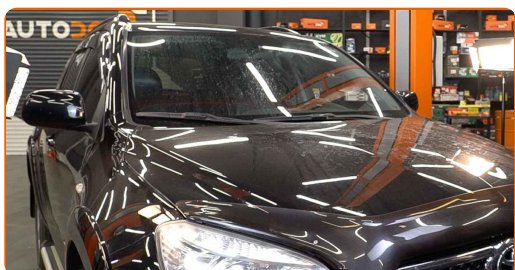


**AUTODOC recommends:**

- Toyota RAV4 III – Press the brake pedal several times with the engine shut down until you feel the resistance built up.

**32**

Close the hood.

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