



How to change front
brake discs on **TOYOTA**
RAV 4 IV (ZSA4_, ALA4_)
– replacement guide

SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

Important!

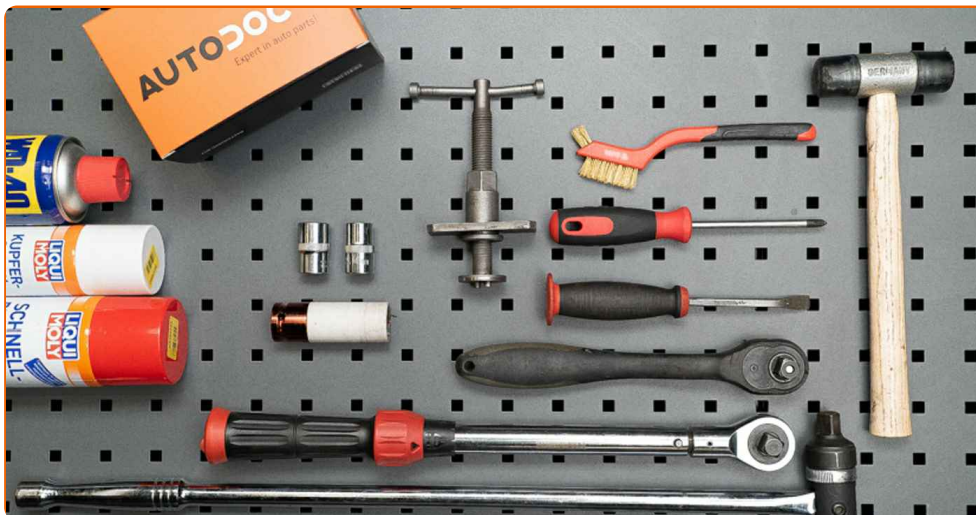
This replacement procedure can be used for:

TOYOTA RAV 4 IV (ZSA4_, ALA4_) 2.0 4WD, TOYOTA RAV 4 IV (ZSA4_, ALA4_) 2.0 D (ALA40_), TOYOTA RAV 4 IV (ZSA4_, ALA4_) 2.0 4WD (ZSA44_), TOYOTA RAV 4 IV (ZSA4_, ALA4_) 2.2 D 4WD (ALA49), TOYOTA RAV 4 IV (ZSA4_, ALA4_) 2.0 (ZSA42), TOYOTA RAV 4 IV (ZSA4_, ALA4_) 2.5 4WD (ASA44), TOYOTA RAV 4 IV (ZSA4_, ALA4_) 2.0 D 4WD (ALA41_), TOYOTA RAV 4 IV (ZSA4_, ALA4_) 2.5, TOYOTA RAV 4 IV (ZSA4_, ALA4_) 2.5 4WD, TOYOTA RAV 4 IV (ZSA4_, ALA4_) 2.5 Hybrid 4WD, TOYOTA RAV 4 IV (ZSA4_, ALA4_) 2.0 D-4D (WWA42_), TOYOTA RAV 4 IV (ZSA4_, ALA4_) 2.5 (ASA42), TOYOTA RAV 4 IV (ZSA4_, ALA4_) 2.5 Hybrid (AVA42_), TOYOTA RAV 4 IV (ZSA4_, ALA4_) 2.0 4WD (ZSA44)

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: TOYOTA RAV 4 III (ACA3_, ACE_, ALA3_, GSA3_, ZSA3_) 2.4 (ACA33)

REPLACEMENT: BRAKE DISCS – TOYOTA RAV 4 IV (ZSA4_, ALA4_). 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 RAV 4 IV (ZSA4_, ALA4_). AUTODOC recommends:

- Replace the brake disks on the car TOYOTA RAV 4 IV (ZSA4_, ALA4_) 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 RAV 4 IV (ZSA4_, ALA4_) – should be done with the engine switched off.

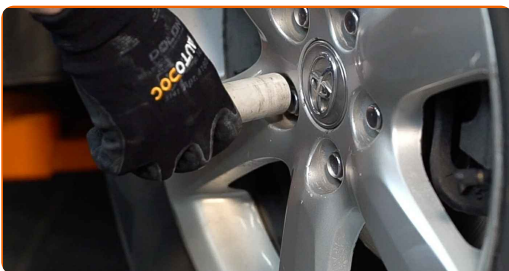
CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

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 RAV 4 IV (ZSA4_, ALA4_). 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 RAV 4 IV (ZSA4_, ALA4_). 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.

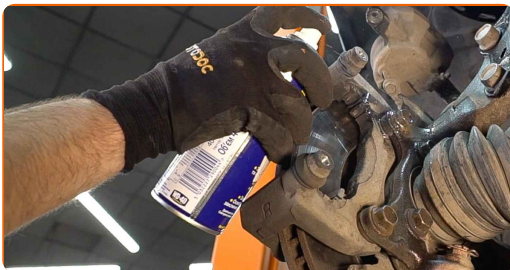
11

Remove the brake pads.



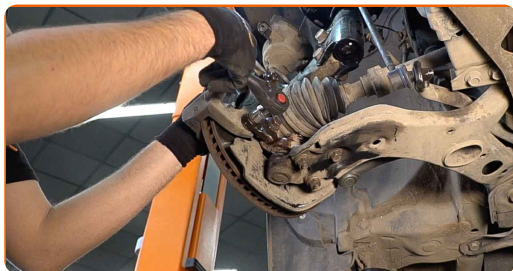
12

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



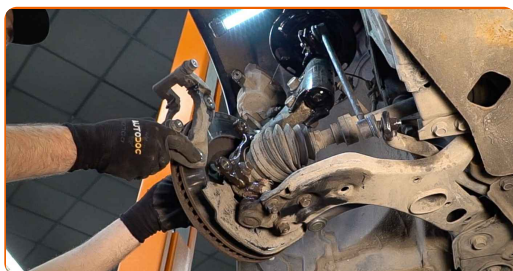
13

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



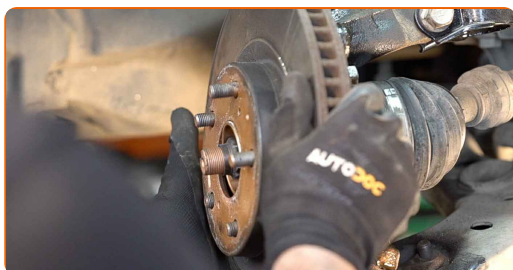
14

Remove the caliper bracket.



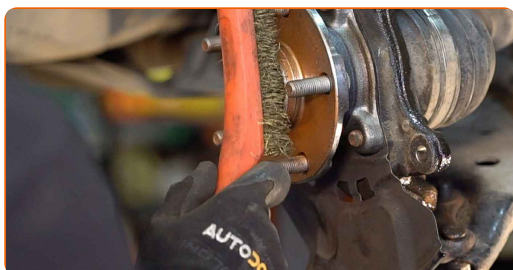
15

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.

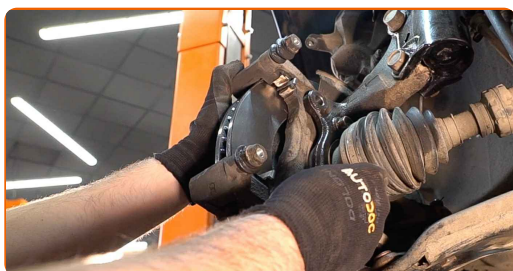


AUTODOC recommends:

- Replacement: brake discs – TOYOTA RAV 4 IV (ZSA4_, ALA4_). After applying the spray, wait a few minutes.

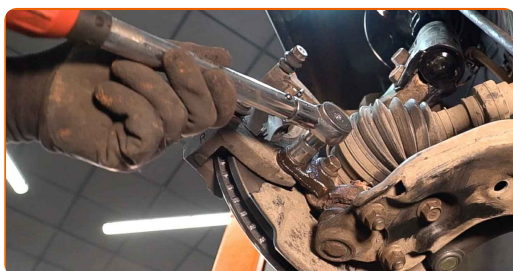
19

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.

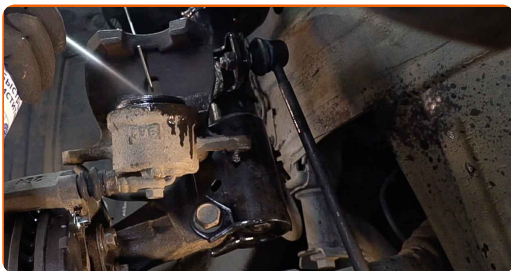


21

Install the brake pads.



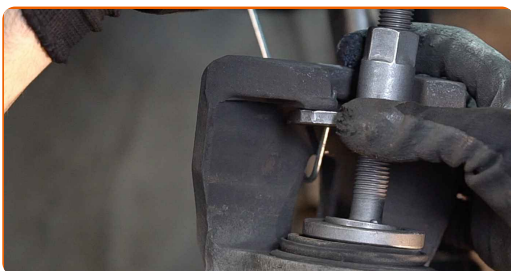
22 Treat the brake caliper piston. Use a brake cleaner.



Replacement: brake discs – TOYOTA RAV 4 IV (ZSA4_, ALA4_). Tip:

- After applying the spray, wait a few minutes.

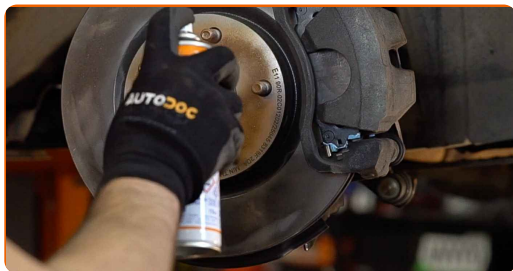
23 Press in the brake caliper piston. Use brake caliper wind back tool.



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.



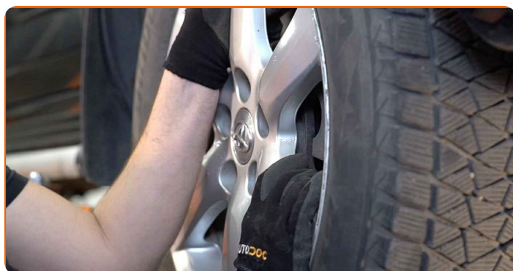
26 Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- Replacement: brake discs – TOYOTA RAV 4 IV (ZSA4_, ALA4_). After applying the spray, wait a few minutes.

27 Install the wheel.



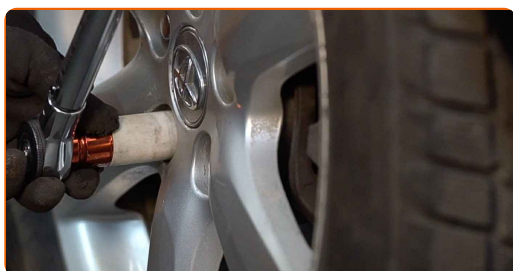
Replacement: brake discs – TOYOTA RAV 4 IV (ZSA4_, ALA4_). Tip from AUTODOC experts:

- 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.



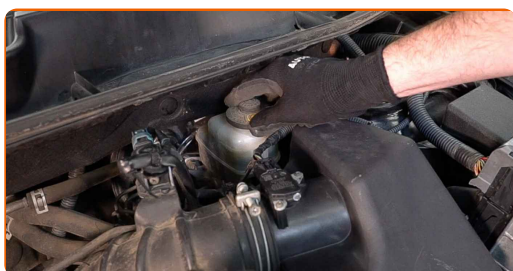
30 Remove the jacks and chocks.



Replacement: brake discs – TOYOTA RAV 4 IV (ZSA4_, ALA4_). 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 RAV 4 IV (ZSA4_, ALA4_) – Press the brake pedal several times with the engine shut down until you feel the resistance built up.

32

Close the hood.

WELL DONE! **VIEW MORE TUTORIALS**

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BRAKE DISCS: A WIDE SELECTION

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