



How to change front  
brake pads on **TOYOTA**  
**Matrix Hatchback**  
**(\_E14\_)** – 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 Matrix Hatchback (\_E14\_) 1.8 (ZRE142\_), TOYOTA Matrix Hatchback (\_E14\_) 2.4 (AZE14\_)

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 PADS – TOYOTA MATRIX HATCHBACK (\_E14\_). 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 Matrix Hatchback (\_E14\_). 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 MATRIX HATCHBACK (\_E14\_). RECOMMENDED SEQUENCE OF STEPS:**

**1** Open the bonnet. Unscrew the brake fluid reservoir cap.

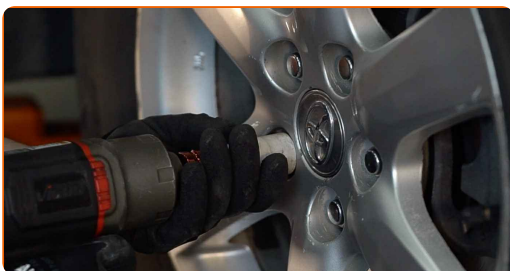
**2** Secure the wheels with chocks.

**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 Matrix Hatchback (\_E14\_)

6

Remove the wheel.



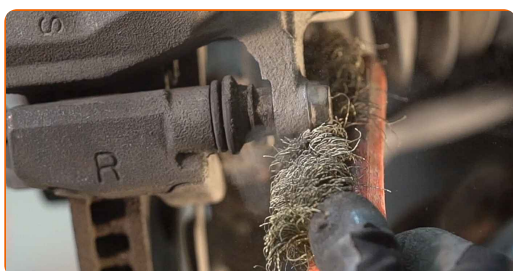
7

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 Matrix Hatchback (\_E14\_). 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.

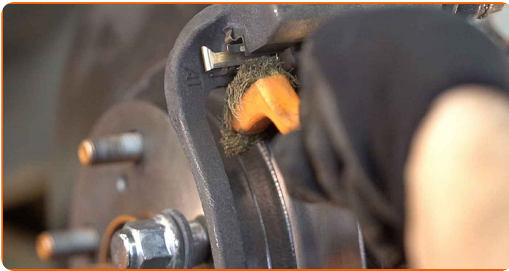


Replacement: brake pads – TOYOTA Matrix Hatchback (\_E14\_). AUTODOC experts recommend:

- 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.

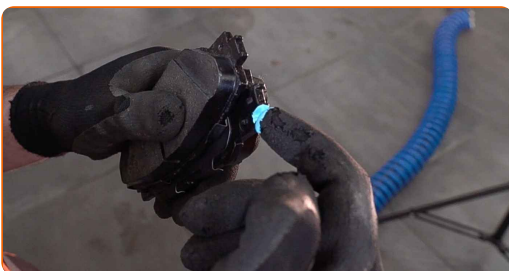


AUTODOC recommends:

- Replacement: brake pads – TOYOTA Matrix Hatchback (\_E14\_). 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.

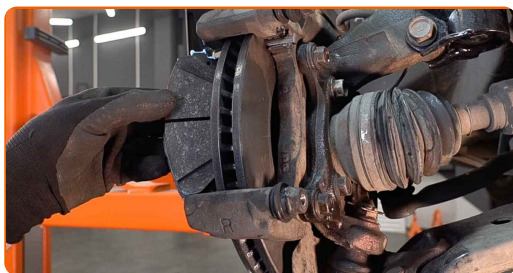


Replacement: brake pads – TOYOTA Matrix Hatchback (\_E14\_). Tip from AUTODOC:

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



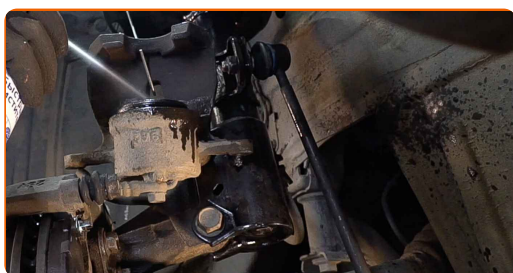
**14** Install new brake pads.



**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 Matrix Hatchback (\_E14\_). Tip from AUTODOC experts:

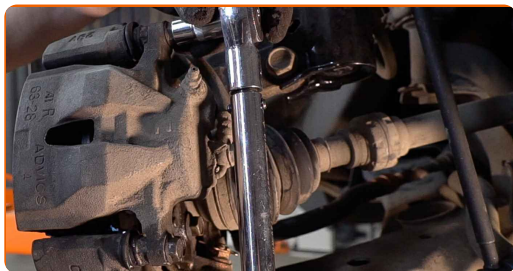
- After applying the spray, wait a few minutes.

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

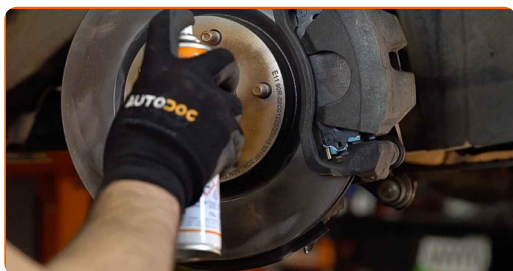




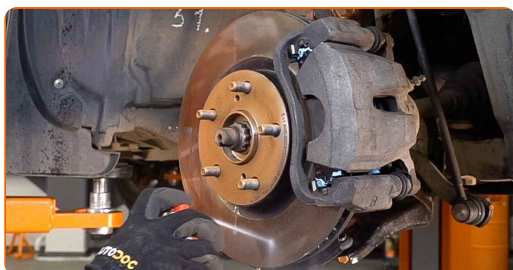
**17** Install the brake caliper and fix it. Use a drive socket #14. Use a torque wrench. Tighten it to 35 Nm torque.



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



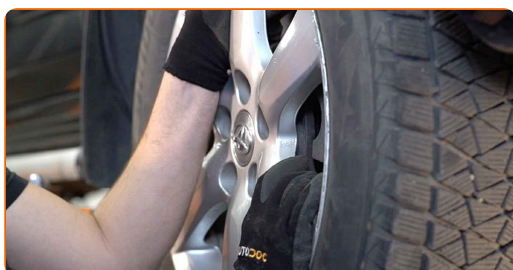
**19** Clean the brake disk surface. Use a brake cleaner.



**AUTODOC recommends:**

- Replacement: brake pads – TOYOTA Matrix Hatchback (\_E14\_). After applying the spray, wait a few minutes.

**20** Install the wheel.



Replacement: brake pads – TOYOTA Matrix Hatchback (\_E14\_). AUTODOC recommends:

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

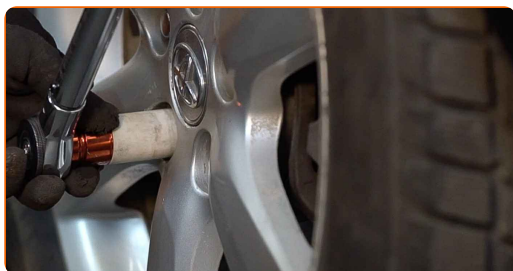
21

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.

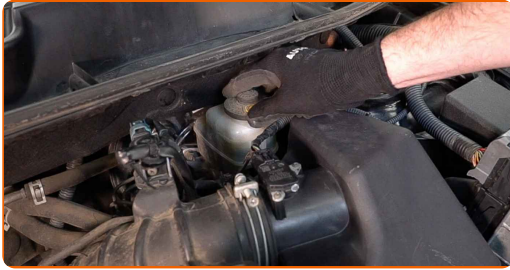


Replacement: brake pads – TOYOTA Matrix Hatchback (\_E14\_). Tip:

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

24

Tighten the brake fluid reservoir cap.



**AUTODOC recommends:**

- TOYOTA Matrix Hatchback (\_E14\_) – Without starting the engine, press the brake pedal several times until it feels firm.

25

Close the hood.

**Replacement: brake pads – TOYOTA Matrix Hatchback (\_E14\_). 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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