



How to change front  
brake pads on **NISSAN**  
**Xterra (N50)** –  
replacement guide

## SIMILAR VIDEO TUTORIAL



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

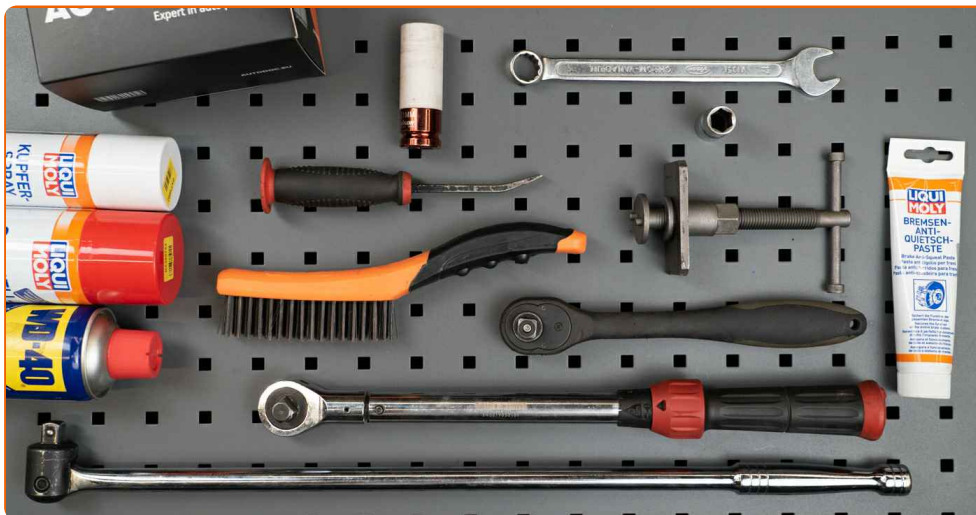
### Important!

This replacement procedure can be used for:  
NISSAN Xterra (N50) 4.0 4x4

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: NISSAN LEAF Electric

**REPLACEMENT: BRAKE PADS – NISSAN XTERRA (N50).  
TOOLS YOU NEED:**



- Wire brush
- WD-40 spray
- Brake cleaner
- Anti-squeal paste
- Copper grease
- Combination spanner #17
- 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 – NISSAN Xterra (N50). AUTODOC experts recommend:

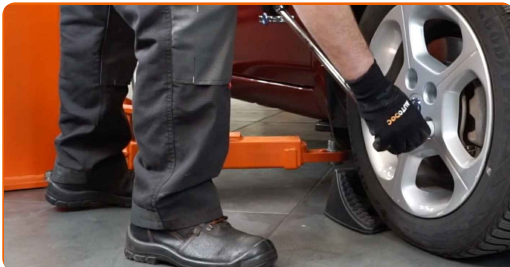
- Perform the replacement of brake pads in complete set for each axis. This provides effective braking.
- The replacement procedure is identical for all brake pads on the same axle.
- Please note: all work on the car – NISSAN Xterra (N50) – should be done with the engine switched off.

**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.



**AUTODOC recommends:**

- Important! Hold the wheel while unscrewing the fastening bolts. NISSAN Xterra (N50)

**6**

Remove the wheel.



**7**

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



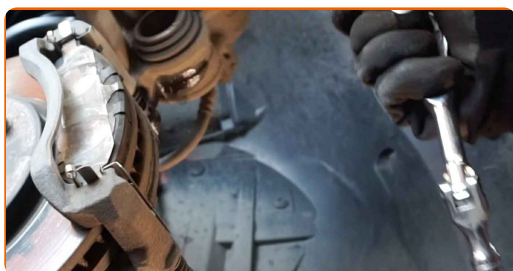
**8**

Unscrew the brake caliper fastening. Use a combination spanner #17. Use a drive socket #14. Use a ratchet wrench.



**9**

Remove the brake caliper.

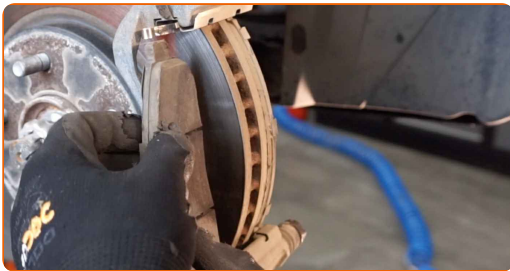


Replacement: brake pads – NISSAN Xterra (N50). Tip:

- 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.

10

Remove the brake pads.



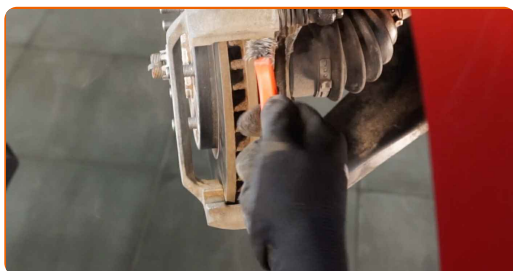
Replacement: brake pads – NISSAN Xterra (N50). AUTODOC experts recommend:

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

**11** Remove the retaining springs of the brake pads. Use a crowbar.



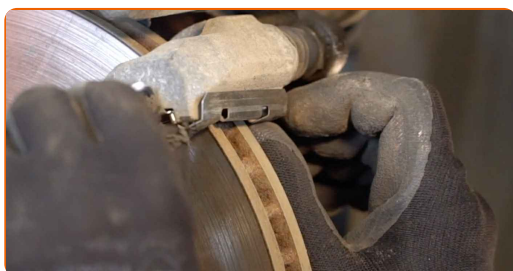
**12** Clean the brake caliper bracket from dirt and dust. Use a wire brush. Use a brake cleaner.



**AUTODOC recommends:**

- Replacement: brake pads – NISSAN Xterra (N50). After applying the spray, wait a few minutes.

**13** Install the retaining springs of the brake pads.



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

Replacement: brake pads – NISSAN Xterra (N50). Tip from AUTODOC experts:

- After applying the spray, wait a few minutes.

15

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



16

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 – NISSAN Xterra (N50). Tip:

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

17

Install new brake pads.





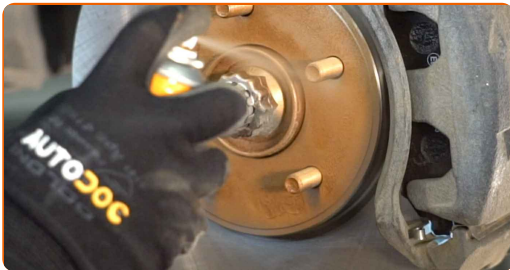
Replacement: brake pads – NISSAN Xterra (N50). AUTODOC recommends:

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

**18** Install the brake caliper and fix it. Use a combination spanner #17. Use a drive socket #14. Use a torque wrench. Tighten it to 26 Nm torque.



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



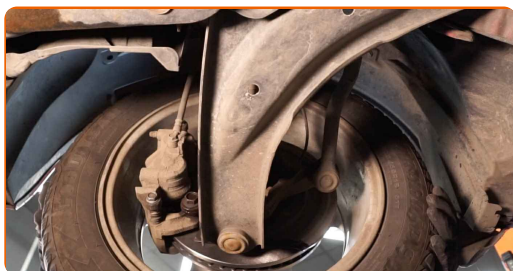
**20** Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- Replacement: brake pads – NISSAN Xterra (N50). After applying the spray, wait a few minutes.

21 Install the wheel.



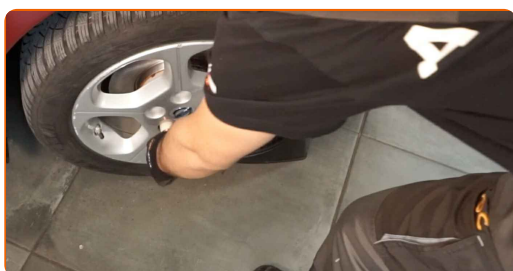
**AUTODOC recommends:**

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. NISSAN Xterra (N50)

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



23 Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 108 Nm torque.



24 Remove the jacks and chocks.



Replacement: brake pads – NISSAN Xterra (N50). AUTODOC experts recommend:

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

25

Tighten the brake fluid reservoir cap.



AUTODOC recommends:

- Without starting the engine, press the brake pedal several times until you feel significant resistance.

26

Close the hood.

Replacement: brake pads – NISSAN Xterra (N50). Tip:

- 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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