



How to change front  
brake pads on **NISSAN X-  
TRAIL (T31)** –  
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 X-TRAIL (T31) 2.0 dCi FWD, NISSAN X-TRAIL (T31) 2.0 dCi, NISSAN X-TRAIL (T31) 2.0, NISSAN X-TRAIL (T31) 2.0 dCi 4x4, NISSAN X-TRAIL (T31) 2.5 4x4, NISSAN X-TRAIL (T31) 2.0 FWD, NISSAN X-TRAIL (T31) 2.5

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 Qashqai / Qashqai +2 I (J10, NJ10) 1.6

**REPLACEMENT: BRAKE PADS – NISSAN X-TRAIL (T31).  
TOOLS YOU MIGHT NEED:**



- Wire brush
- Nylon cleaning brush
- WD-40 spray
- All-purpose cleaning spray
- Brake cleaner
- Anti-squeal paste
- Copper grease
- Torque wrench
- Combination spanner #17
- Drive socket # 14
- Wheel impact socket #21
- Ratchet wrench
- Brake caliper wind back tool
- Crow bar
- Wheel chock

**Buy tools**

Replacement: brake pads – NISSAN X-TRAIL (T31). Tip from AUTODOC experts:

- 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 – NISSAN X-TRAIL (T31). TAKE THE FOLLOWING STEPS:**

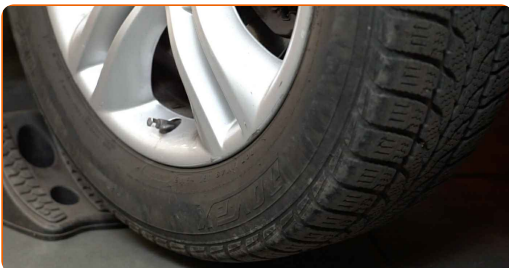
**1** Open the bonnet. Unscrew the brake fluid reservoir cap.

**2** Secure the wheels with chocks.

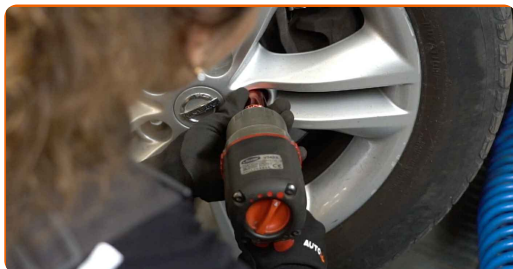
**3** Loosen the wheel mounting bolts. Use wheel impact socket #21.



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



**5** Unscrew the wheel bolts.



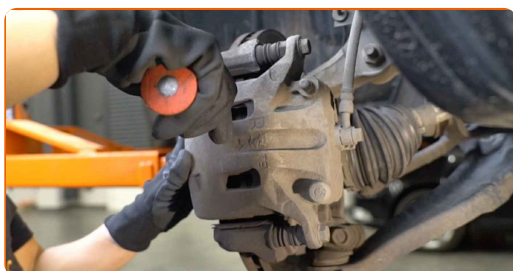
**AUTODOC recommends:**

- Important! Hold the wheel while unscrewing the fastening bolts. NISSAN X-TRAIL (T31)

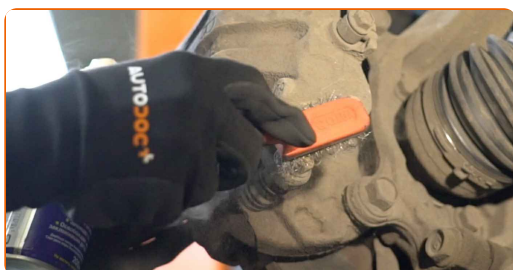
**6** Remove the wheel.



**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 combination spanner #17. Use a drive socket #14. Use a ratchet wrench.



- 10** Remove the brake caliper.



**Replacement: brake pads – NISSAN X-TRAIL (T31). Professionals 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. Use a crowbar.

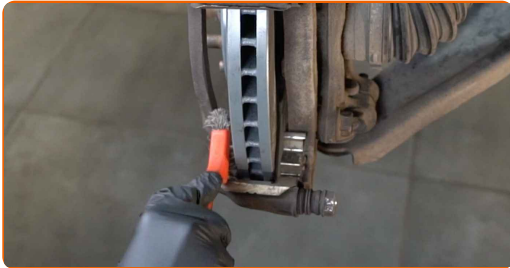


**AUTODOC recommends:**

- 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 all-purpose cleaning spray.



**13**

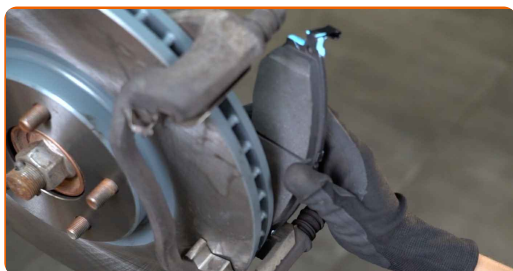
Treat the brake pads in the area where their surface comes into contact with the brake caliper bracket. Use anti-squeal paste.



**Replacement: brake pads – NISSAN X-TRAIL (T31). Tip:**

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

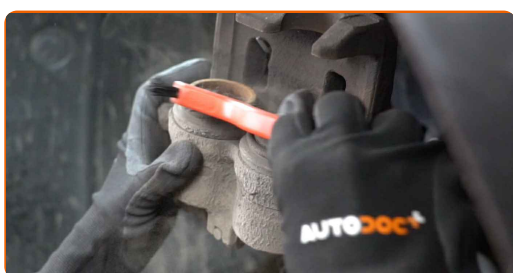
**14** Install new brake pads.



Replacement: brake pads – NISSAN X-TRAIL (T31). AUTODOC recommends:

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

**15** Treat the brake caliper piston. Use a nylon cleaning brush. Use a brake cleaner.



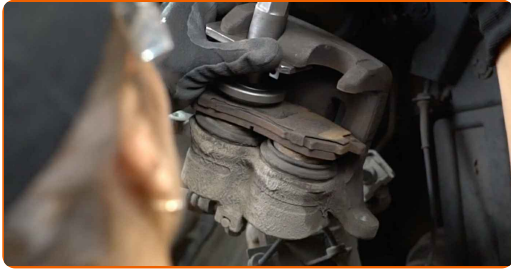
AUTODOC recommends:

- Replacement: brake pads – NISSAN X-TRAIL (T31). After applying the spray, wait a few minutes.



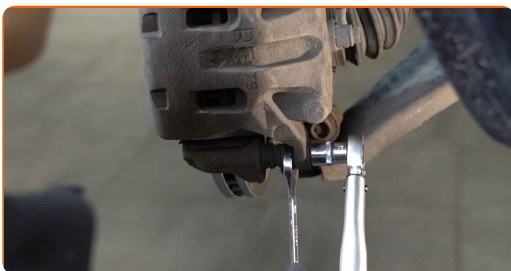
**16**

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



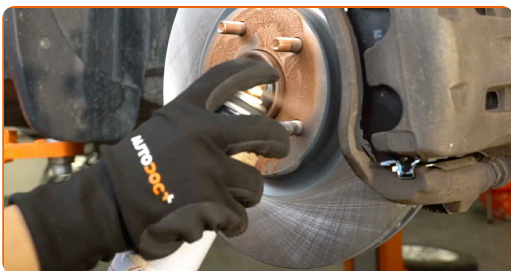
**17**

Install the brake caliper and fix it. Use a combination spanner #17. Use a drive socket #14. Use a torque wrench. Tighten it to 34 Nm torque.



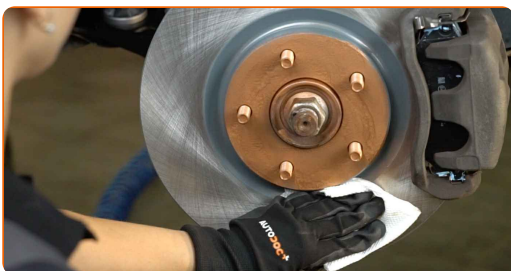
**18**

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



**19**

Clean the brake disk surface. Use a brake cleaner.



Replacement: brake pads – NISSAN X-TRAIL (T31). AUTODOC experts recommend:

- After applying the spray, wait a few minutes.

**20** Install the wheel.



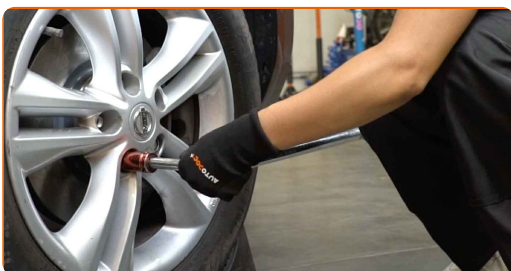
**AUTODOC recommends:**

- Important! Hold the wheel while screwing in the fastening bolts. NISSAN X-TRAIL (T31)

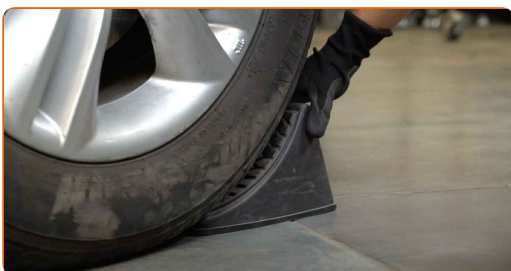
**21** Screw in the wheel bolts. Use wheel impact socket #21.



**22** Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #21. Use a torque wrench. Tighten it to 112 Nm torque.



**23** Remove the jacks and chocks.

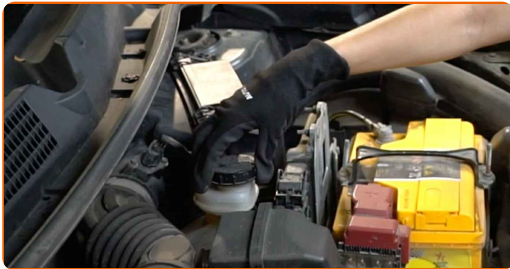


**AUTODOC recommends:**

- Important! Replacement: brake pads – NISSAN X-TRAIL (T31). Check the brake fluid level in the reservoir and top up if necessary.

**24**

Tighten the brake fluid reservoir cap.



**AUTODOC recommends:**

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

**25**

Close the hood.

**Replacement: brake pads – NISSAN X-TRAIL (T31). Tip from AUTODOC experts:**

- 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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