



How to change rear
brake discs 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 X-TRAIL (T30) 2.5 4x4

**REPLACEMENT: BRAKE DISCS – NISSAN X-TRAIL (T31).
LIST OF THE TOOLS YOU'LL NEED:**



- Wire brush
- Nylon cleaning brush
- WD-40 spray
- Brake cleaner
- Anti-squeal paste
- Brake caliper guide pins grease
- Ceramic grease
- Torque wrench
- Drive socket # 14
- Drive socket # 19
- Wheel impact socket #21
- Ratchet wrench
- Brake caliper wind back tool
- Flat screwdriver
- Wheel chock

Buy tools

AUTODOC recommends:

- Replace the brake disks on the car NISSAN X-TRAIL (T31) 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 – NISSAN X-TRAIL (T31) – 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 car.

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

- If you are using a jack, make sure it rests on a flat surface without any unevenness.
- Be sure to additionally secure the car with jack stands.

5

Unscrew the wheel bolts.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts. NISSAN X-TRAIL (T31)

6

Remove the wheel.



7

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



8

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



9

Remove the brake caliper guide pins.



10

Remove the brake caliper.



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

- 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.

11

Remove the brake pads.



12

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

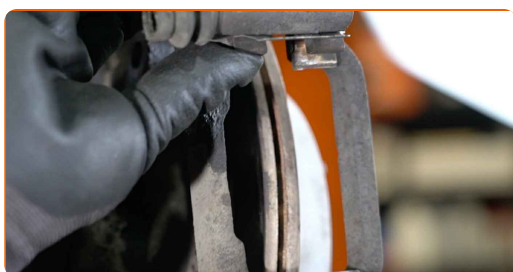


13 Unscrew the brake caliper bracket fasteners. Use a drive socket #19. Use a ratchet wrench.



14 Remove the fastening bolts.

15 Remove the caliper bracket.



16 Remove the rubber plug. Use a flat screwdriver.



17 Release the parking brake adjuster. Use a flat screwdriver.



18 Remove the brake disc.



19 Clean the hub. Use a wire brush.



20 Treat the contacting surface. Use ceramic grease.



21 Install the brake disc.



22 Set the parking brake adjuster in the correct position. Use a flat screwdriver.



23 Install the rubber plug. Use a flat screwdriver.



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



AUTODOC recommends:

- Replacement: brake discs – NISSAN X-TRAIL (T31). After applying the spray, wait a few minutes.
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

25 Install the brake caliper bracket.



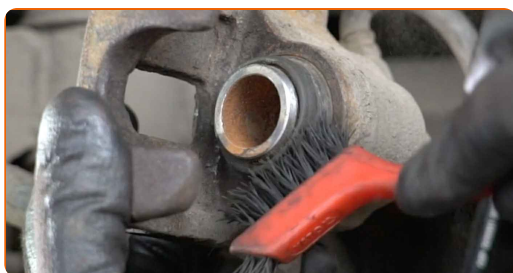
26 Install the fastening bolts.



27 Tighten the brake caliper bracket fasteners. Use a drive socket #19. Use a torque wrench. Tighten it to 80 nm torque.



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



AUTODOC recommends:

- After applying the spray, wait a few minutes.

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



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

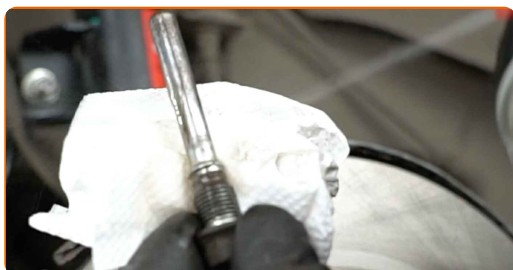
Replacement: brake discs – NISSAN X-TRAIL (T31). Professionals recommend:

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

- 31** Install the brake pads.



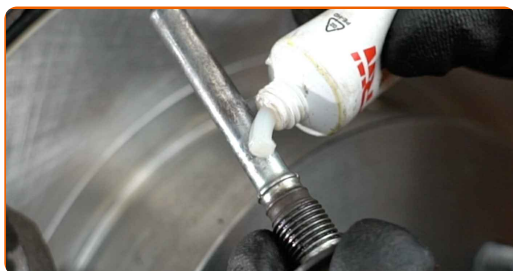
- 32** Clean the brake caliper guide pins. Use a brake cleaner.



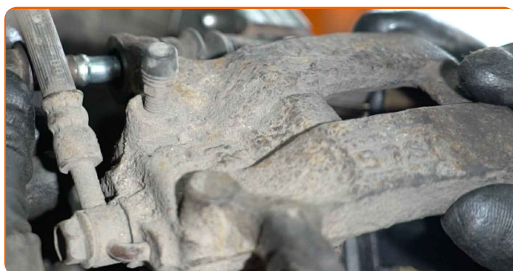
AUTODOC recommends:

- After applying the spray, wait a few minutes.

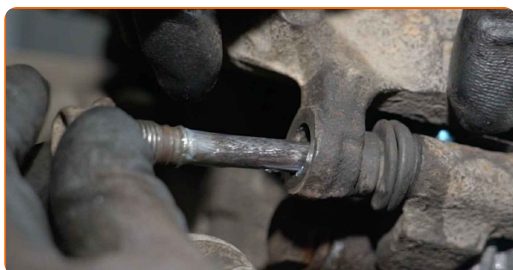
33 Treat the brake caliper guide pins. Use the brake caliper guide pin grease.



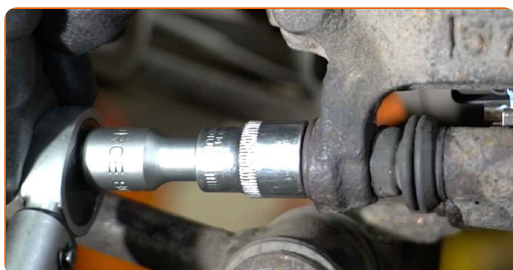
34 Install the brake caliper and fix it.



35 Install the brake caliper guide pins.



36 Tighten the brake caliper fasteners. Use a drive socket #14. Use a torque wrench. Tighten it to 32 Nm torque.



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



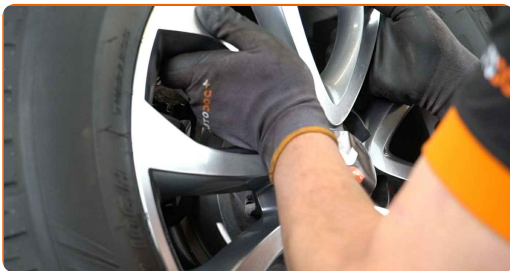
38 Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

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

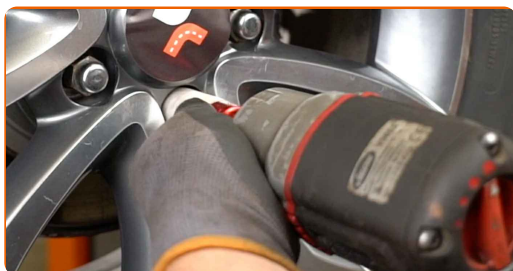
39 Install the wheel.



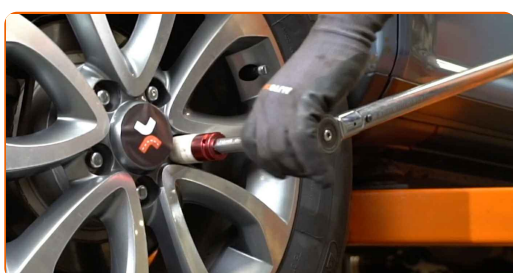
AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. NISSAN X-TRAIL (T31)

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



41 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 118 Nm torque.



42 Remove the jacks and chocks.



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

- Without starting the engine, press the brake pedal several times until you feel significant resistance.
- Check the brake fluid level in the expansion tank and refill if necessary.

43

Tighten the brake fluid reservoir cap. Close the hood.



WELL DONE! 

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BRAKE DISCS: A WIDE SELECTION

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