



How to change front
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

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 DISCS – NISSAN X-TRAIL (T31).
TOOLS YOU NEED:**



- Wire brush
- Nylon cleaning brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Torque wrench
- Combination spanner #17
- Drive socket # 14
- Drive socket # 19
- Wheel impact socket #21
- Brake caliper wind back tool
- Ratchet wrench
- Tap wrench
- Crow bar
- Wheel chock

Buy tools

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

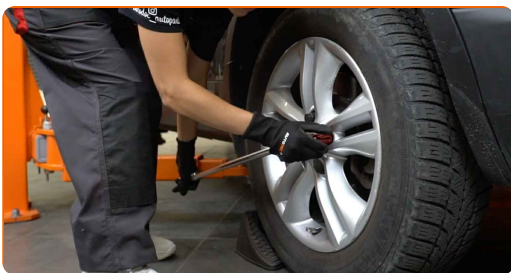
- Replace the brake discs on the car NISSAN X-TRAIL (T31) in complete set for each axis. Regardless of the state of components. This will ensure even braking.
- The replacement procedure is identical for both brake disks on the same axle.
- When changing the brake discs, always replace the brake pads.
- Warning! Shut down the engine before starting any work – NISSAN X-TRAIL (T31).

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.

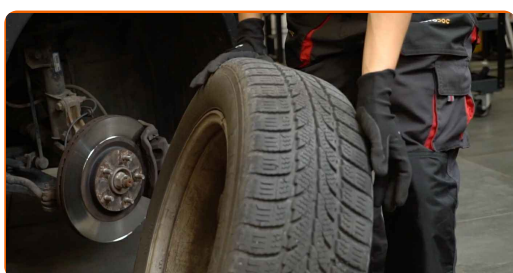
5 Unscrew the wheel bolts.



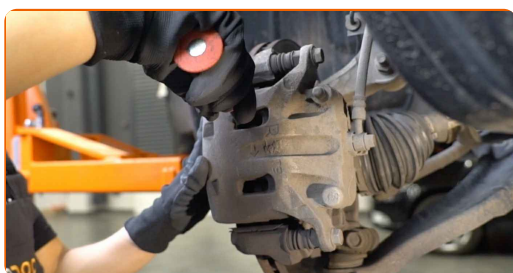
Replacement: brake discs – NISSAN X-TRAIL (T31). Tip from AUTODOC:

- To avoid injury, hold up the wheel when unscrewing the bolts.

6 Remove the wheel.

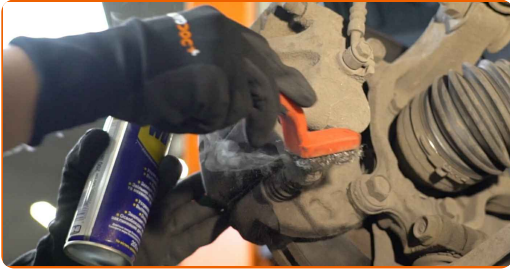


7 Spread the brake pads. Use a crowbar.



8

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



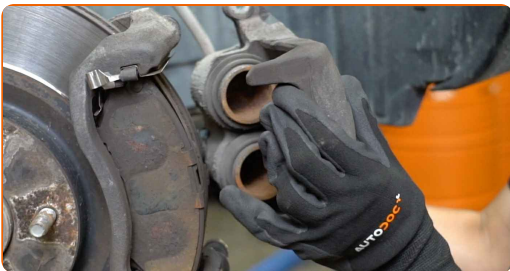
9

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



10

Remove the brake caliper.



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

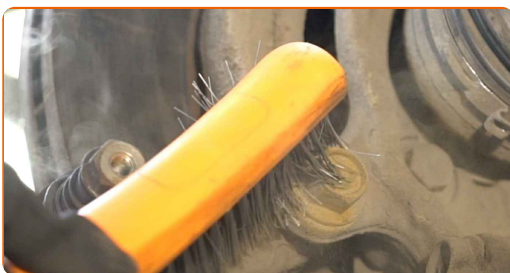
11

Remove the brake pads. Use a crowbar.

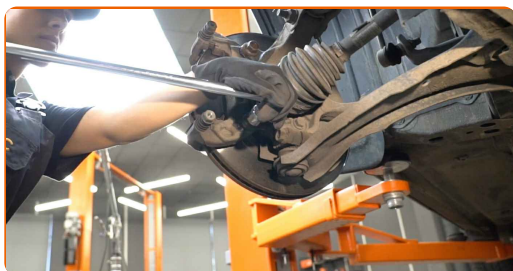


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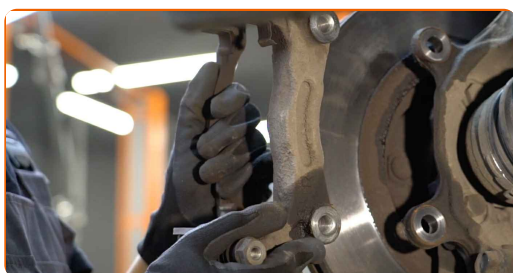
Clean the brake caliper bracket fasteners. Use a wire brush. Use WD-40 spray.



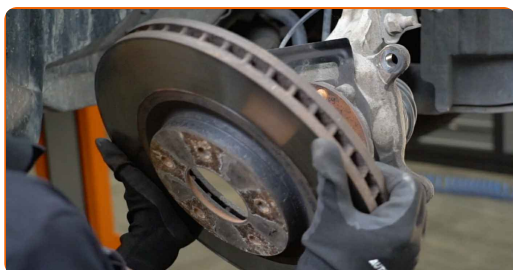
13 Unscrew the caliper bracket fastening. Use a drive socket #19. Use a tap wrench.



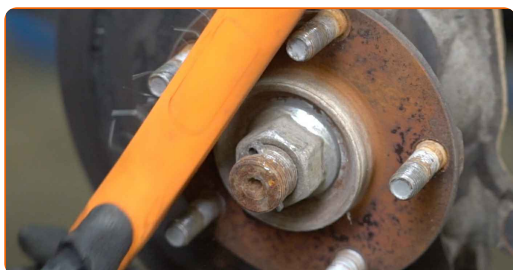
14 Remove the caliper bracket.



15 Remove the brake disc.



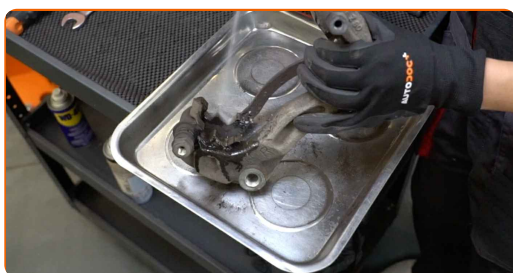
16 Clean the hub. Use a wire brush. Treat the contacting surface. Use copper grease.



17 Install the brake disc.



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



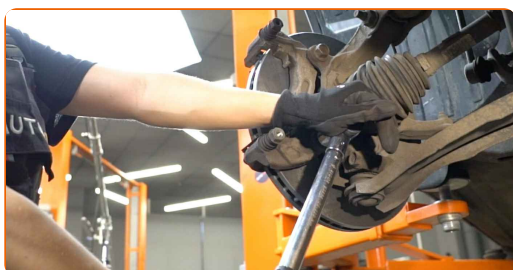
AUTODOC recommends:

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

19 Install the brake caliper bracket.



20 Tighten the brake caliper bracket. Use a drive socket #19. Use a torque wrench. Tighten it to 152 Nm torque.



21 Install the brake pads.



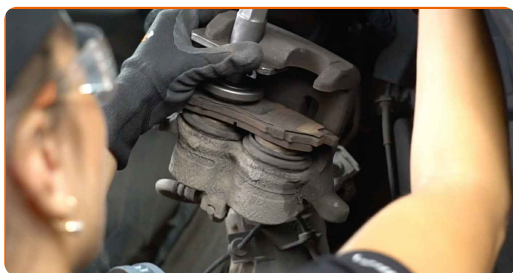
22 Treat the brake caliper piston. Use a nylon cleaning brush. Use a brake cleaner.



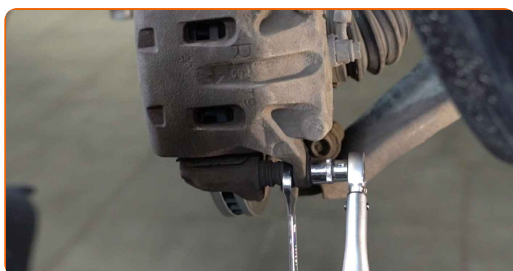
Replacement: brake discs – NISSAN X-TRAIL (T31). Tip:

- After applying the spray, wait a few minutes.

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

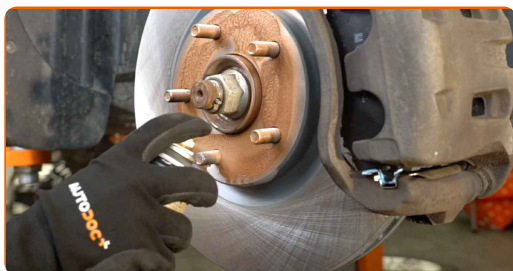


24 Install the brake caliper and fix it. Use a combination spanner #17. Use a drive socket #14. Use a torque wrench. Tighten it to 34 Nm torque.



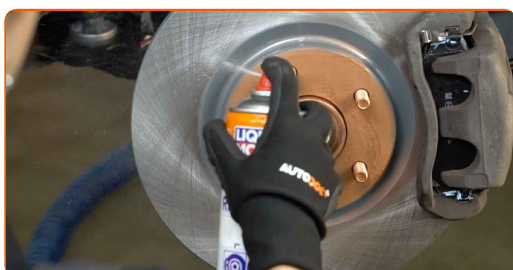
25

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



26

Clean the brake disk surface. Use a brake cleaner.



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

- After applying the spray, wait a few minutes.

27

Install the wheel.



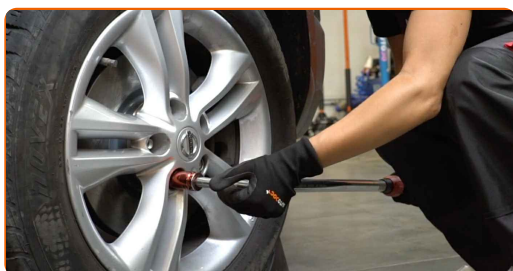
AUTODOC recommends:

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

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 wheel impact socket #21. Use a torque wrench. Tighten it to 112 Nm torque.



30 Remove the jacks and chocks.

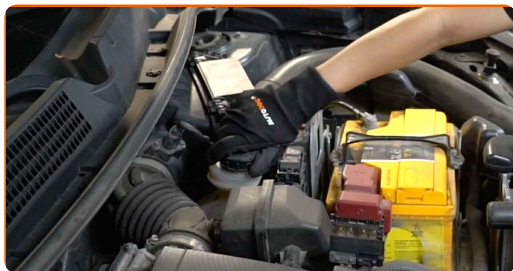


Replacement: brake discs – NISSAN X-TRAIL (T31). Tip:

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

31

Tighten the brake fluid reservoir cap.



AUTODOC recommends:

- NISSAN X-TRAIL (T31) – Without starting the engine, press the brake pedal several times until it feels firm.

32

Close the hood.

WELL DONE! 

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BRAKE DISCS: A WIDE SELECTION

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