



How to change front  
brake caliper on **NISSAN**  
**X-Trail (T32)** –  
replacement guide

## SIMILAR VIDEO TUTORIAL



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

### **Important!**

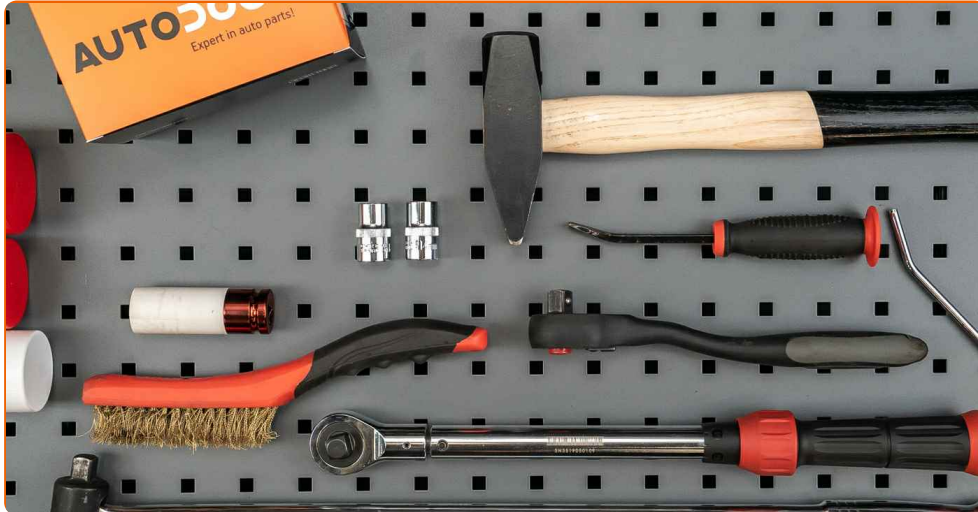
This replacement procedure can be used for:

NISSAN X-Trail (T32) 1.6 dCi (T32), NISSAN X-Trail (T32) 1.6 dCi ALL MODE 4x4-i (NT32), NISSAN X-Trail (T32) 2.5 ALL MODE 4x4-i (NT32), NISSAN X-Trail (T32) 2.0 (T32), NISSAN X-Trail (T32) 1.6 DIG-T (T32), NISSAN X-Trail (T32) 2.0 ALL MODE 4x4-i (NT32), NISSAN X-Trail (T32) 1.3 DIG-T

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 CALIPER – NISSAN X-TRAIL  
(T32). TOOLS YOU'LL NEED:



- Wire brush
- Brake cleaner
- Copper grease
- Combination spanner №12
- Combination spanner №14
- Drive socket # 12
- Drive socket # 14
- Wheel impact socket #21
- Ratchet wrench
- Torque wrench
- Hammer
- Crow bar
- Fluid container
- Brake hose clip
- Wheel chock

**Buy tools**

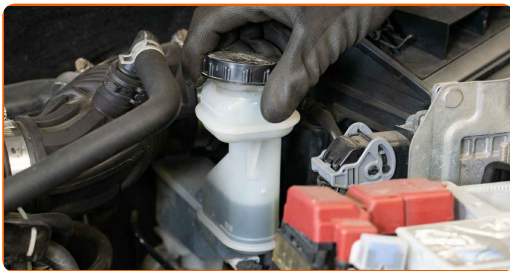
Replacement: brake caliper – NISSAN X-Trail (T32). Tip from AUTODOC:

- The replacement procedure is identical for the left and right brake calipers on the same axle.
- Warning! Shut down the engine before starting any work – NISSAN X-Trail (T32)

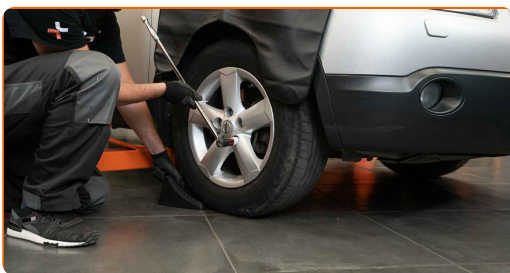
**CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:**

**1** Open the bonnet.

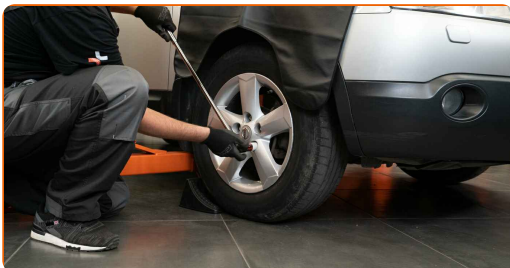
**2** Unscrew the brake fluid reservoir cap.



**3** Secure the wheels with chocks.



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



5 Raise the front of the car and secure on supports.

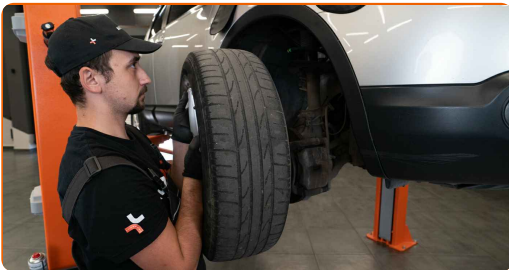
6 Unscrew the wheel bolts.



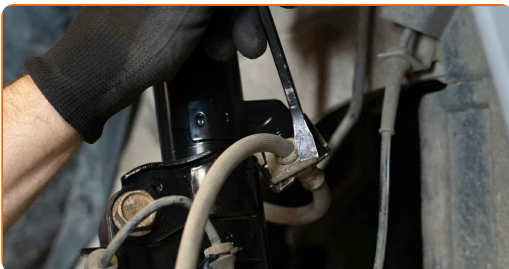
AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. NISSAN X-Trail (T32)

7 Remove the wheel.



8 Remove the fastener attaching the brake hose to the shock strut. Use a crowbar. Use a hammer.



9 Detach the brake hose from the shock strut.



10 Clean the area where the brake hose is connected to the caliper, and the guide pins area. Use a wire brush. Use a brake cleaner.



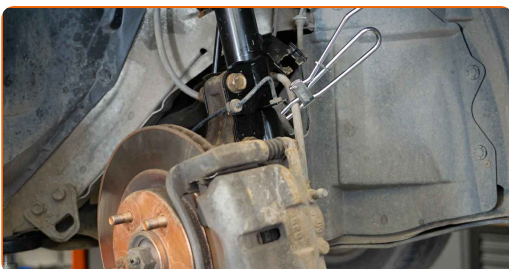
Replacement: brake caliper – NISSAN X-Trail (T32). Tip from AUTODOC:

- After applying the spray, wait a few minutes.

11 Put a container for gathering brake fluid beneath.

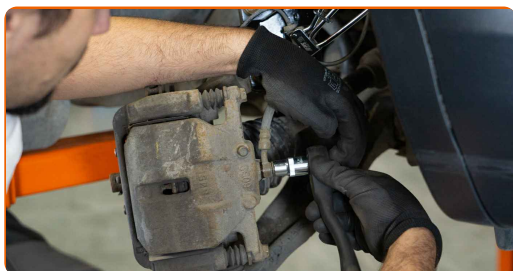


12 Clamp the brake hose off using a brake hose clamp.



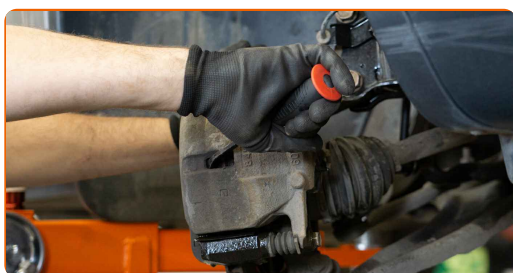
13

Unscrew the brake hose from the brake caliper. Use a drive socket #12. Use a ratchet wrench.



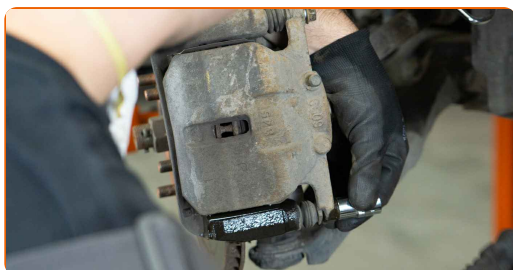
14

Spread the brake pads. Use a crowbar.



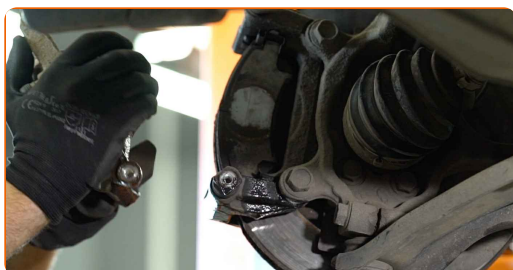
15

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



16

Remove the brake caliper.

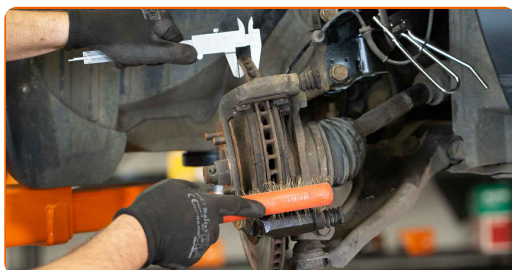


AUTODOC recommends:

- When replacing the brake caliper, it is recommended to check the brake hose for damages and, if necessary, to replace it with a new one.
- When replacing a brake caliper it is recommended to replace brake pads, check the state of the brake discs and replace them with new ones if necessary.

17

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



Replacement: brake caliper – NISSAN X-Trail (T32). Tip:

- After applying the spray, wait a few minutes.

18

Install the caliper.



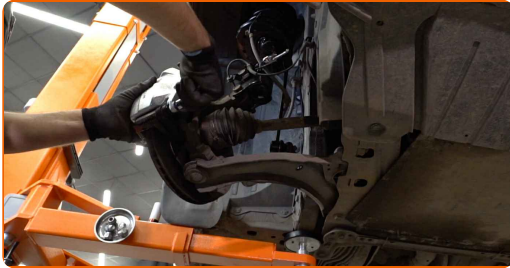


Please note!

- Install the brake caliper starting with its lower part.

19

Screw in the guide pins.



AUTODOC recommends:

- Hold up the brake caliper.

20

Tighten the guide pins. Use a drive socket #14. Use a torque wrench. Tighten it to 34 Nm torque.



21

Clean dirt from the brake hose bolt. Use a brake cleaner.

Replacement: brake caliper – NISSAN X-Trail (T32). Professionals recommend:

- After applying the spray, wait a few minutes.

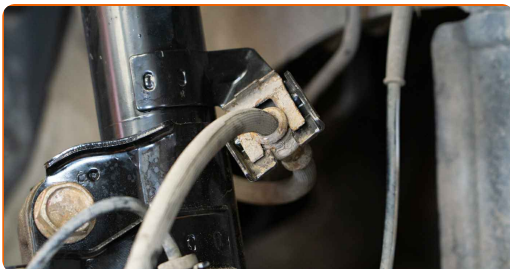
- 22 Install and fix the brake hose into a new caliper. Use a drive socket #12. Use a torque wrench. Tighten it to 18 Nm torque.



- 23 Remove the brake hose clamp.



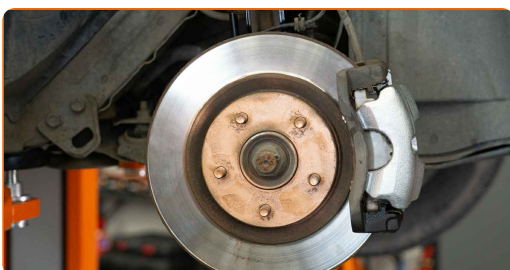
- 24 Fasten the brake hose on the strut. Install the brake hose retaining clip. Use a hammer.



**AUTODOC recommends:**

- Bleed the brake caliper system.

- 25 Clean the hub. Use a wire brush. Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



26

Install the wheel.



Replacement: brake caliper – NISSAN X-Trail (T32). Tip:

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

27

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



28

Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 112 Nm torque.



29

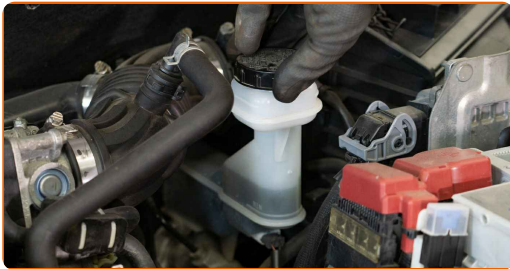
Remove the jacks and chocks.

AUTODOC recommends:

- Important! Replacement: brake caliper – NISSAN X-Trail (T32). Check the brake fluid level in the reservoir and top up if necessary.

30

Tighten the brake fluid reservoir cap. Close the hood.



**WELL DONE!** 

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