



How to change front  
strut mount on **Nissan X  
Trail T30** – replacement  
guide

## VIDEO TUTORIAL



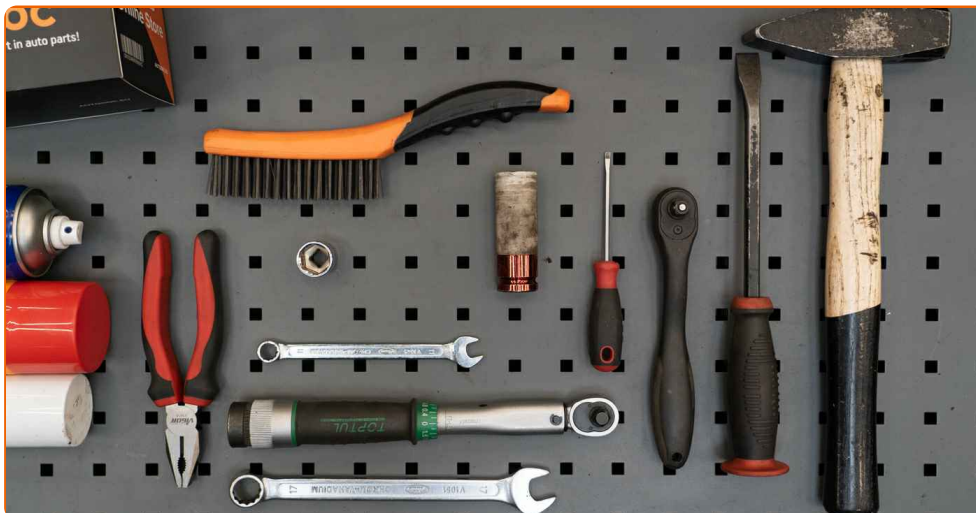
### Important!

This replacement procedure can be used for:

NISSAN ALMERA TINO (V10) 1.8, NISSAN ALMERA TINO (V10) 2.0, NISSAN ALMERA TINO (V10) 2.2 dCi, NISSAN X-TRAIL (T30) 2.0 4x4, NISSAN X-TRAIL (T30) 2.2 Di 4x4, NISSAN PRIMERA (P12) 1.8, NISSAN PRIMERA (P12) 2.0, NISSAN PRIMERA (P12) 2.2 Di, NISSAN PRIMERA Estate (WP12) 1.8, NISSAN PRIMERA Estate (WP12) 2.0, NISSAN PRIMERA Estate (WP12) 2.2 Di, NISSAN PRIMERA (P12) 1.6, NISSAN PRIMERA Hatchback (P12) 1.6, NISSAN PRIMERA Hatchback (P12) 1.8, NISSAN PRIMERA Hatchback (P12) 2.0, (+ 12)

The steps may slightly vary depending on the car design.

**REPLACEMENT: STRUT MOUNT – NISSAN X TRAIL T30.  
TOOLS YOU'LL NEED:**



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #11
- Combination spanner #17
- Drive socket # 19
- Wheel impact socket #21
- Ratchet wrench
- Torque wrench
- Hammer
- Flat Screwdriver
- Crow bar
- Pliers
- Hydraulic strut spring compressor
- Fender cover
- Wheel chock

**BUY TOOLS**

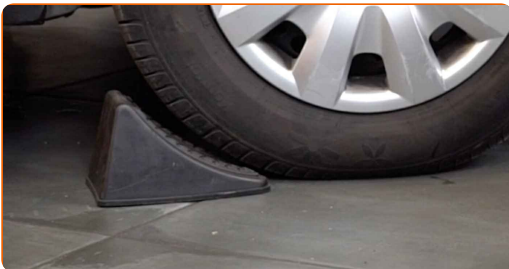
Replacement: strut mount – Nissan X Trail T30. Tip from AUTODOC:

- All mounts of the front shock struts should be replaced simultaneously.
- The replacement procedure is identical for the mounts of the left and right shock struts of the front suspension.
- Be sure to replace all self-locking nuts and bolts during installation.
- All work should be done with the engine stopped.

**REPLACEMENT: STRUT MOUNT – NISSAN X TRAIL T30.  
RECOMMENDED SEQUENCE OF STEPS:**

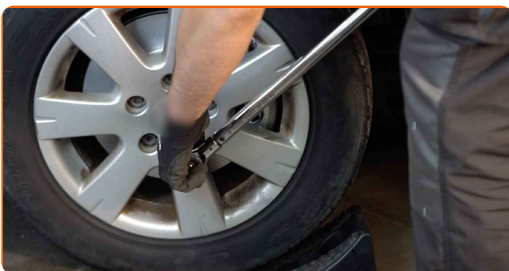
1

Secure the wheels with chocks.



2

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



3

Raise the front of the car and secure on supports.

4

Unscrew the wheel bolts.



Replacement: strut mount – Nissan X Trail T30. Tip:

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

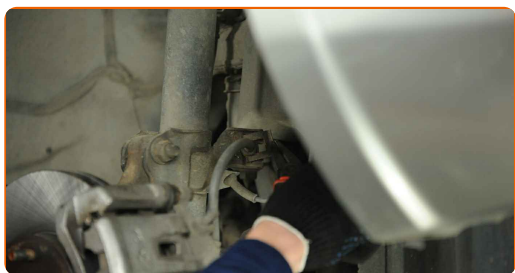
5

Remove the wheel.



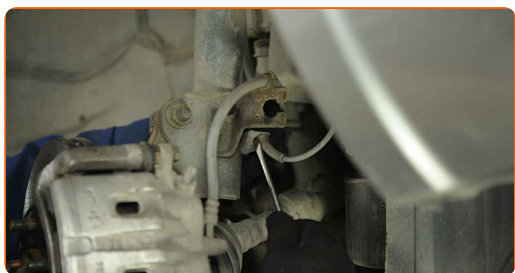
6

Disconnect the brake hose holder from the shock absorber strut. Use pliers.



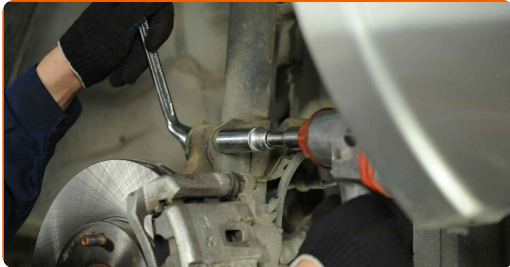
7

Disconnect the wiring and the brake hose from the bracket on the shock strut. Use a flat screwdriver.



**8** Clean the fasteners connecting the shock strut to the steering knuckle. Use a wire brush. Use WD-40 spray.

**9** Unscrew the lower fastener connecting the shock strut to the steering knuckle. Use a combination spanner #17. Use a drive socket #19. Use a ratchet wrench.



**10** Remove the fastening bolts. Disconnect the steering knuckle from the shock absorber strut.

**11** Lower the car. Open the hood.



**12** Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.

**13** Clean the fasteners of the shock strut upper mount. Use a wire brush. Use WD-40 spray.

**14** Unscrew the top fastening of the shock strut mount. Use a combination spanner #11.



**AUTODOC recommends:**

- Important! Hold the suspension strut while unscrewing the fastening bolts.  
Nissan X Trail T30

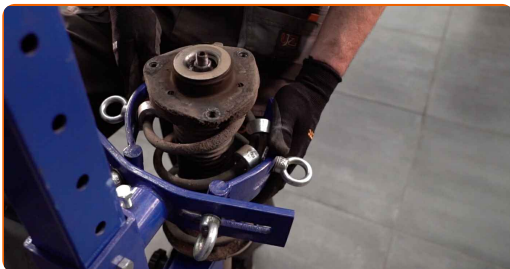
15

Remove the suspension strut.



16

Set the shock absorber strut on the spring compressor tool.



**Replacement: strut mount – Nissan X Trail T30. Tip:**

- Note that when using a spring compressor, spring coils need to be securely gripped, compressing the spring on the opposite sides.
- Ensure the correct position of the spring in the retainer.
- Make sure that the spring coils tightly entered the lock handles.

17

Compress the spring.

**18**

Treat the shock strut rod. Use a wire brush. Use WD-40 spray.



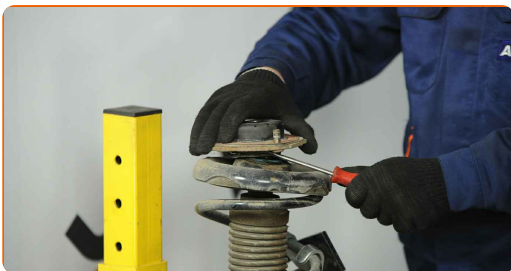
**19**

Remove the strut piston rod nut. Use a combination spanner #17.



**20**

Remove the top strut mount. Use a crowbar.



**Replacement: strut mount – Nissan X Trail T30. AUTODOC recommends:**

- Examine the shock absorber dust cap and the bump stop. Replace them if necessary.



**21** Install the upper strut mount and the strut mount bearing.



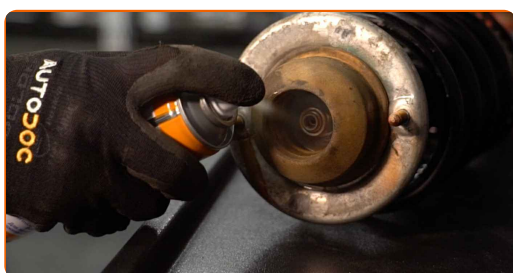
**22** Tighten the shock strut piston rod nut. Use a combination spanner #17. Use a torque wrench. Tighten it to 60 Nm torque.



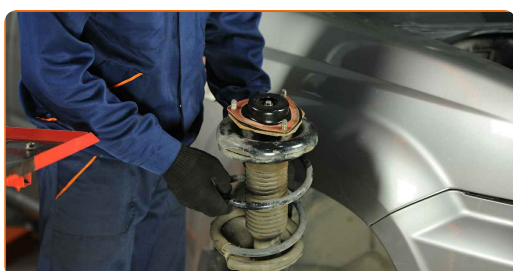
**Replacement: strut mount – Nissan X Trail T30. Tip from AUTODOC:**

- Check to make sure the spring is positioned correctly. Avoid its misalignment.

**23** Treat the shock strut rod. Use copper grease.



**24** Decompress the spring. Remove the assembled shock strut.



**25** Install the shock strut into the wheel arch.

**26** Screw the top fastening of the shock strut mount.



**AUTODOC recommends:**

- Nissan X Trail T30 – To avoid injury, hold the suspension strut while screwing in the fastening bolts.

**27** Tighten the upper fastener of the shock absorber strut mount. Use a combination spanner #11. Use a torque wrench. Tighten it to 35 Nm torque.



**28** Treat the fasteners of the shock strut mount. Use copper grease.

**29** Remove the fender protection cover. Close the hood.

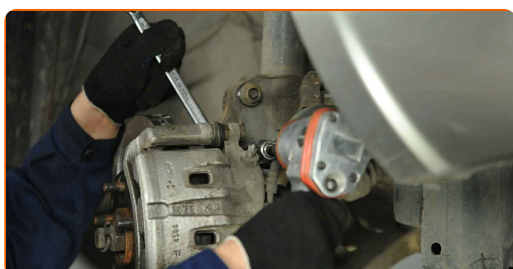


**30** Raise the front of the car and secure on supports.

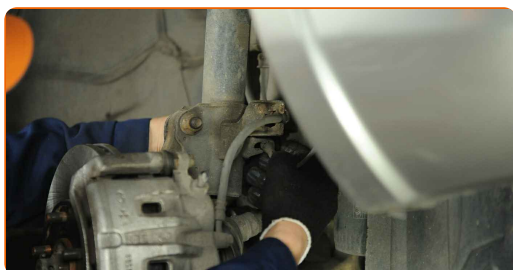


**31** Fix the shock absorber strut on the steering knuckle.

**32** Install the fastening bolts. Tighten the lower fasteners connecting the shock strut to the steering knuckle. Use a combination spanner #17. Use a drive socket #19. Use a torque wrench. Tighten it to 140 Nm torque.

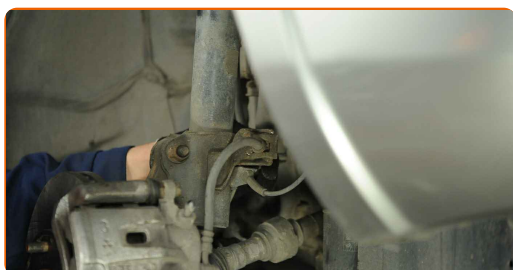


**33** Connect the fastener of the ABS sensor cable to the shock absorber strut.



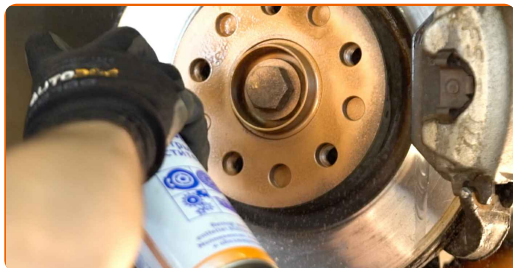
**34** Fasten the brake hose on the strut.

**35** Install the brake hose clamp. Use a hammer.



**36** Treat the shock strut fasteners. Use copper grease.

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



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



**AUTODOC recommends:**

- Replacement: strut mount – Nissan X Trail T30. After applying the spray, wait a few minutes.

**39** Install the wheel.



Replacement: strut mount – Nissan X Trail T30. Tip from AUTODOC:

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

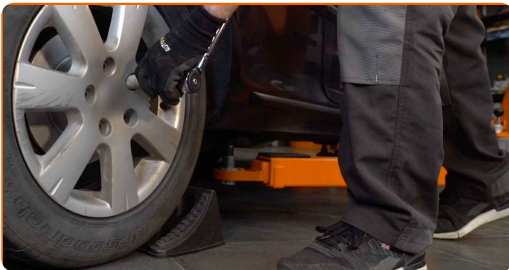
40

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 108 nm torque.



42

Remove the jacks and chocks.



**WELL DONE!** 

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