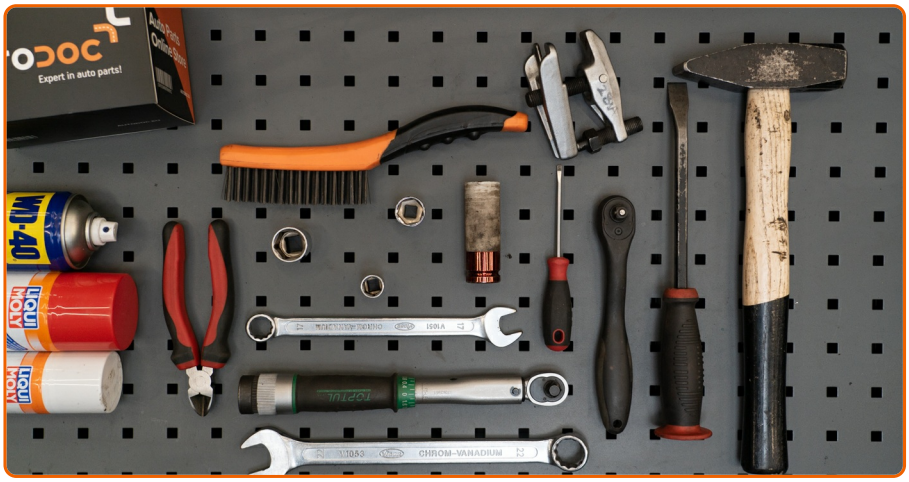
VIDEO TUTORIAL

ⓘ Important!

This replacement procedure can be used for:
NISSAN X-TRAIL (T30) 2.2 dCi, NISSAN X-TRAIL (T30) 2.2 DCi, NISSAN X-TRAIL (T30) 2.2 dCi 4x4, NISSAN X-TRAIL (T30) 2.2 DCi FWD, NISSAN X-TRAIL (T30) 2.2 Di 4x4

The steps may slightly vary depending on the car design.

REPLACEMENT: WHEEL BEARING – NISSAN X TRAIL T30. LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #17
- Combination spanner #22
- Drive socket # 12
- Drive socket # 19
- Drive socket # 22
- Drive socket # 32
- Wheel impact socket #21
- Ratchet wrench
- Torque wrench
- Hammer
- Nippers
- Crow bar
- Flat Screwdriver
- Circlip pliers
- Bush and bearing driver set
- Ball joint puller
- Wheel chock

Replacement: wheel bearing – Nissan X Trail T30. Tip from AUTODOC:

- Do not re-use the bearing assembly of your Nissan X Trail T30 car.
- The wheel hub bearing replacement procedure is identical for both wheels on the same axle.
- Please note: all work on the car – Nissan X Trail T30 – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

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: wheel bearing – Nissan X Trail T30. AUTODOC recommends:

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

5

Remove the wheel.

6

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

7

Unscrew the caliper bracket fastening. Use a drive socket #22. Use a ratchet wrench.

8

Remove the brake caliper together with its bracket.

Replacement: wheel bearing – Nissan X Trail T30. 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.

9

Remove the brake disc.

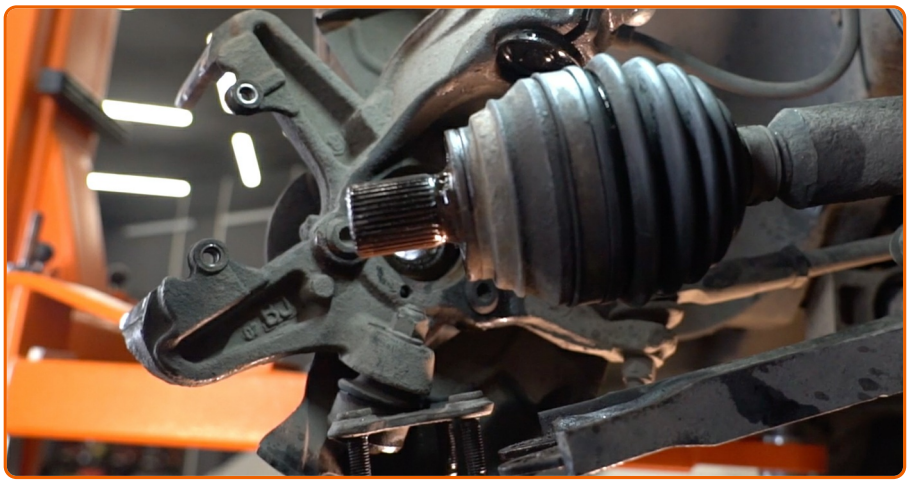
10

Clean the wheel hub fastener. Use a wire brush. Use WD-40 spray.

11

Unscrew the wheel hub axle nut. Use a drive socket #32.

12



Remove the drive shaft. Use a hammer.

Replacement: wheel bearing – Nissan X Trail T30. Tip from AUTODOC:

- Make sure that the drive shaft is not unloaded (when the car is jacked).

13

Remove the cotter pin fixing the tie rod end fastening. Use nippers.

14

Clean the fastener connecting the tie rod end to the steering knuckle. Use a wire brush. Use WD-40 spray.

15

Unscrew the end fastening nut to the steering knuckle. Use a drive socket #22. Use a ratchet wrench.

16

Disconnect the tie rod end from the steering knuckle. Use a ball joint puller.

17

Clean the ABS sensor fastener. Use a wire brush. Use WD-40 spray.

18

Unscrew the ABS sensor fastener. Use a drive socket #12. Use a ratchet wrench.

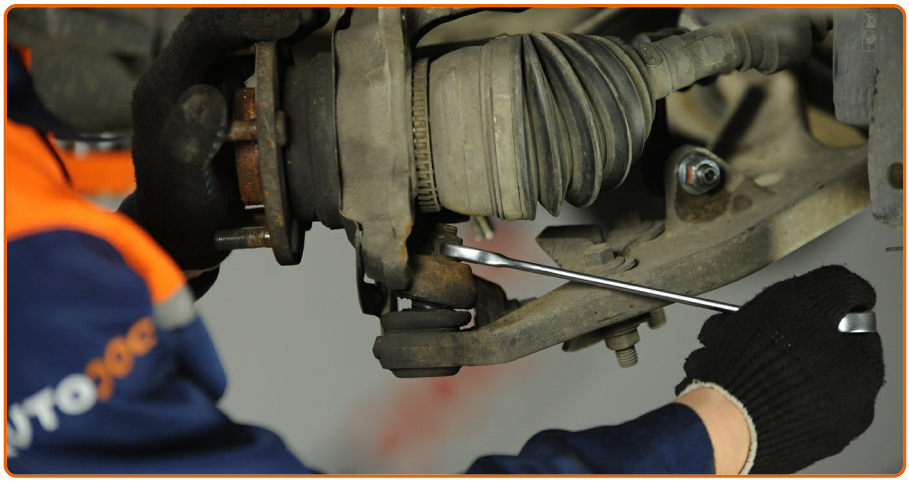
19

Disconnect the ABS sensor. Use a flat screwdriver.

20

Clean the fastener that connects the ball joint to the steering knuckle. Use a wire brush. Use WD-40 spray.

21



Unscrew the ball joint fastening to the steering knuckle. Use a combination spanner #22.

22

Disconnect the lower arm from the steering knuckle. Use a crowbar. Use a hammer.

23

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

24

Unscrew the lower fastener of the shock absorber strut. Use a combination spanner #17. Use a drive socket #19. Use a ratchet wrench.

25

Remove the fastening bolts.

26

Remove the steering knuckle together with the hub.

27

Press the wheel hub out from the tapered roller bearing. Use a bush and bearing driver set. Use a hammer.

28

Remove the retaining rings. Use circlip pliers. Use a flat screwdriver.

29

Press out the wheel hub bearing. Use a bush and bearing driver set. Use a hammer.

30

Install the external retaining ring. Use a flat screwdriver.

Replacement: wheel bearing – Nissan X Trail T30. Tip from AUTODOC experts:

- Clear the components and apply a thin layer of grease on the bearing seat.

31

Press the new bearing in the steering knuckle. Use a bush and bearing driver set. Use a hammer.

Replacement: wheel bearing – Nissan X Trail T30. Tip:

- Check to make sure the wheel hub bearing is positioned correctly. Avoid its misalignment.
- Stop pressing on the surface of the bearing immediately after it has been fitted into its mounting seat.

32

Install the retaining ring. Use circlip pliers.

33

Press the wheel hub into the bearing inner race. Use a bush and bearing driver set.

34

Install the steering knuckle with a hub in assembly.

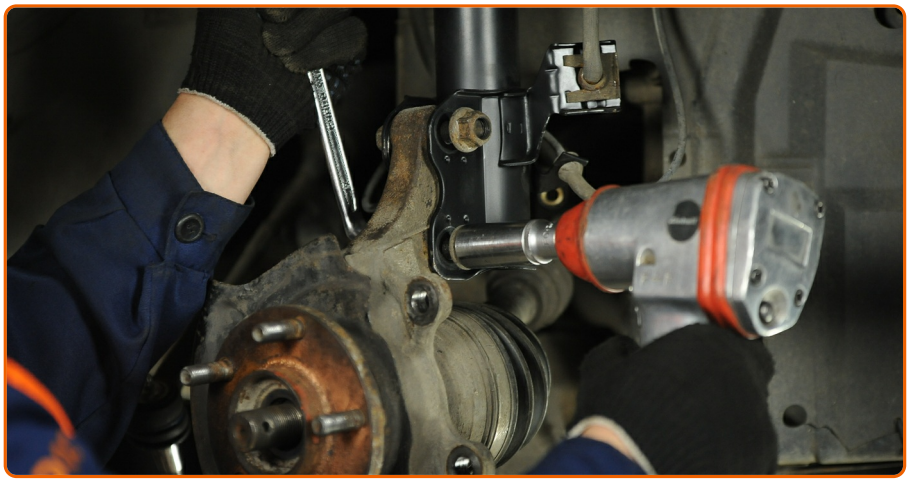
35

Install the drive shaft into the wheel hub.

36

Install the fastening bolts.

37



Tighten the lower fastening of the shock absorber. Use a combination spanner #17. Use a drive socket #19. Use a torque wrench. Tighten it to 80 Nm torque.

38

Connect the lower arm to the steering knuckle. Use a crowbar.

39

Tighten the ball joint fastener. Use a combination spanner #22. Use a torque wrench. Tighten it to 60 nm torque.

40

Tighten the hub. Use a drive socket #32. Use a torque wrench. Tighten it to 165 nm torque.

41

Connect the ABS sensor.

42

Screw in the ABS sensor fastener. Use a drive socket #12. Use a ratchet wrench.

43

Connect the tie rod end to the steering knuckle.

44

Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #22. Use a torque wrench. Tighten it to 70 nm torque.

45

Install the cotter pin fixing the tie rod end fastening.

46

Install the brake disc.

47

Clean the mounting seats of the caliper and its bracket. Use a wire brush. Use WD-40 spray.

48

Install the brake caliper together with its bracket.

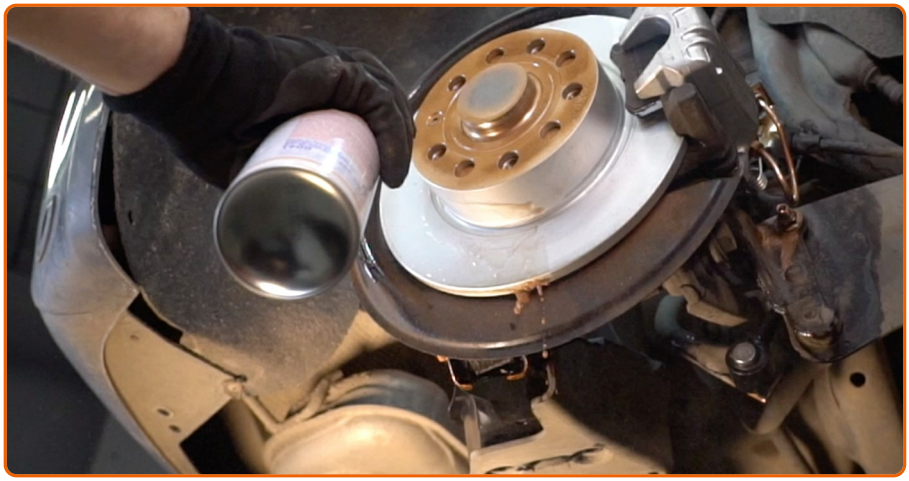
49

Tighten the brake caliper bracket. Use a drive socket #22. Use a torque wrench. Tighten it to 80 Nm torque.

50

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

51



Clean the brake disk surface. Use a brake cleaner.

Replacement: wheel bearing – Nissan X Trail T30. Tip from AUTODOC experts:

- After applying the spray, wait a few minutes.

52

Install the wheel.

AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. Nissan X Trail T30

53

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

54

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 120 nm torque.

55

Remove the jacks and chocks.

DID YOU FIND THESE INSTRUCTIONS HELPFUL?

YES NO

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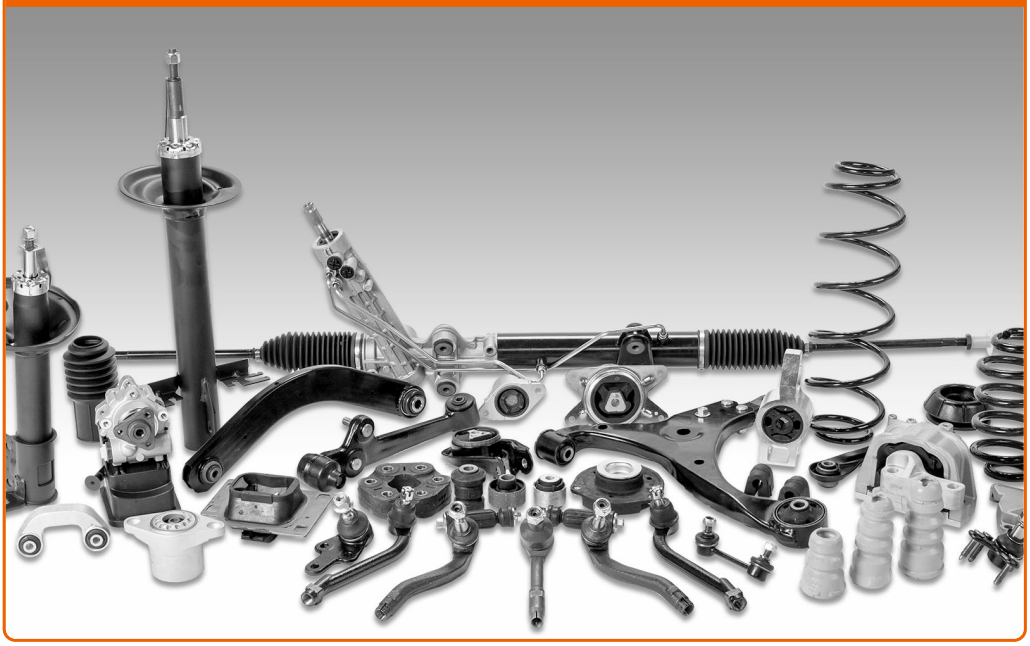
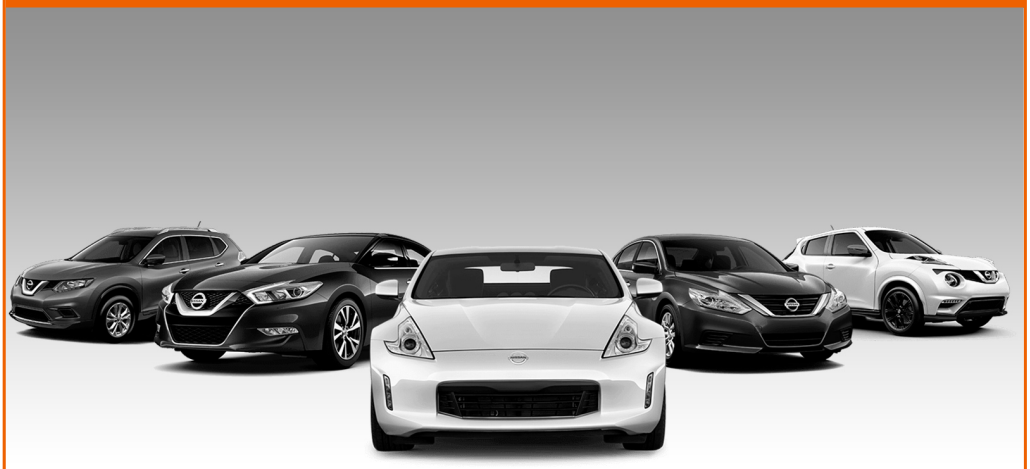
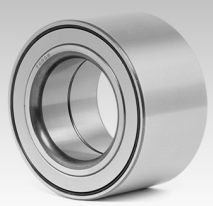


BUY SPARE PARTS FOR NISSAN

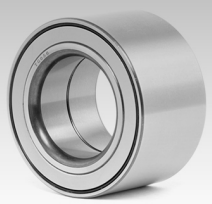


WHEEL BEARING: A WIDE SELECTION



CHOOSE CAR PARTS FOR NISSAN X TRAIL T30

WHEEL BEARING FOR NISSAN: BUY NOW



WHEEL BEARING FOR NISSAN X TRAIL T30: THE BEST DEALS & OFFERS

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