



How to change rear
wheel bearing on
TOYOTA Yaris III Van
(XP13) – replacement
guide

SIMILAR VIDEO TUTORIAL



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

Important!

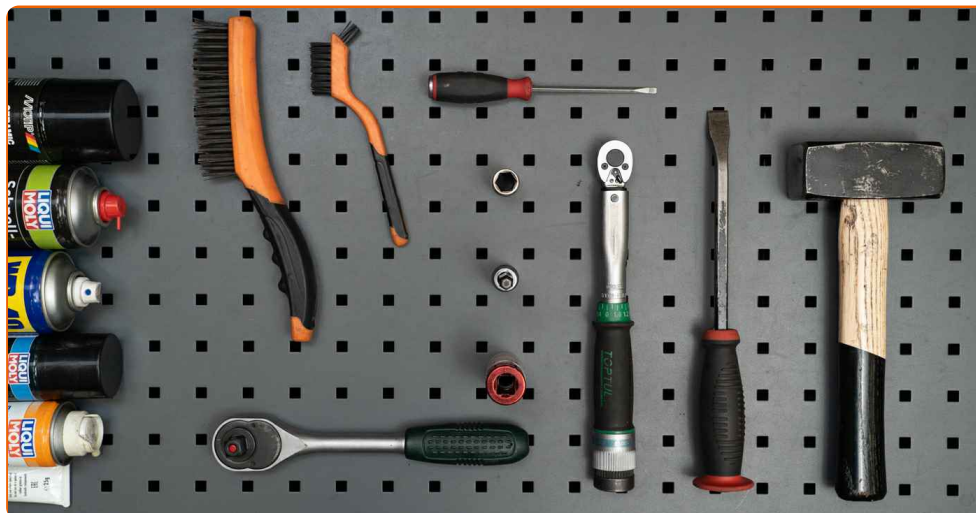
This replacement procedure can be used for:

TOYOTA Yaris III Van (XP13) 1.3 VVTi (NSP130), TOYOTA Yaris III Van (XP13) 1.0 VVTi (KSP130), TOYOTA Yaris III Van (XP13) 1.4 D4d (NLP130), TOYOTA Yaris III Van (XP13) 1.5 VVTi (NSP131)

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: TOYOTA Yaris Hatchback (_P9_) 1.3 VVT-i (SCP90_)

REPLACEMENT: WHEEL BEARING – TOYOTA YARIS III
VAN (XP13). TOOLS YOU'LL NEED:



- Wire brush
- Nylon cleaning brush
- WD-40 spray
- All-purpose cleaning spray
- Brake cleaner
- Electronic spray
- Anti-squeal paste
- Ceramic grease
- Copper grease
- Torque wrench
- Drive socket # 14
- HEX bit No.H7
- Wheel impact socket #21
- Ratchet wrench
- Flat screwdriver
- Hammer
- Crow bar
- Hydraulic transmission jack
- Wheel chock

Buy tools

AUTODOC recommends:

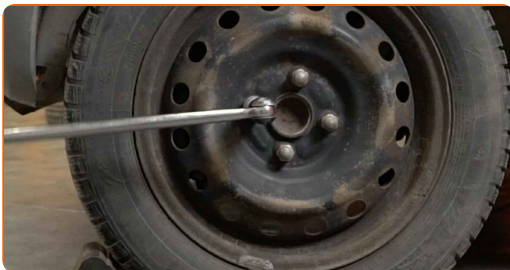
- Do not re-use the bearing assembly of your TOYOTA Yaris III Van (XP13) car.
- The wheel hub bearing replacement procedure is identical for both wheels on the same axle.
- Please note: all work on the car – TOYOTA Yaris III Van (XP13) – should be done with the engine switched off.

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: wheel bearing – TOYOTA Yaris III Van (XP13). Tip from AUTODOC experts:

- 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.

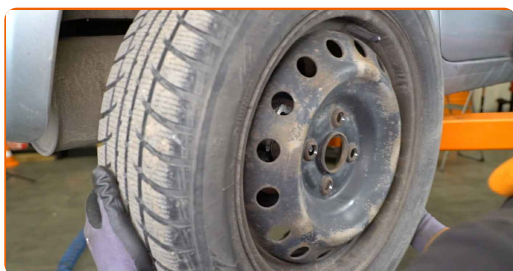
5 Unscrew the wheel bolts.



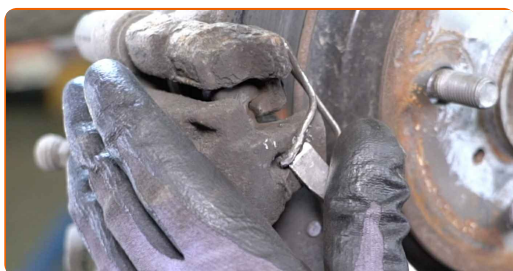
AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.
TOYOTA Yaris III Van (XP13)

6 Remove the wheel.



7 Detach the brake caliper retaining spring. Use a crowbar.

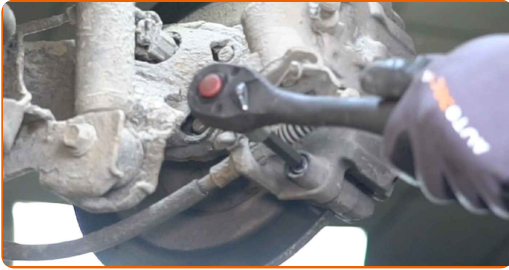


8 Remove the dust boot caps of the brake caliper guide pins. Use a crowbar.



9

Unscrew the brake caliper fasteners. Use HEX No.H7. Use a ratchet wrench.



10

Remove the brake caliper. Use a crowbar.

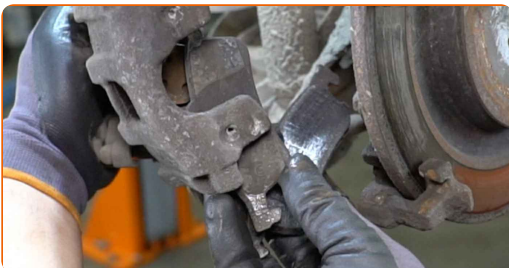


Replacement: wheel bearing – TOYOTA Yaris III Van (XP13). Tip:

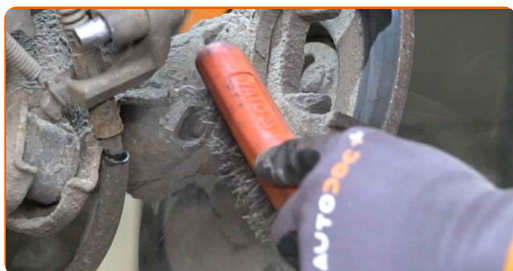
- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- Make sure that the brake caliper is not hanging on the brake hose.
- Don't press the brake pedal after the brake caliper has been removed. As a result, the piston can fall out from the brake cylinder, and brake fluid leakage and depressurization of the system may occur.

11

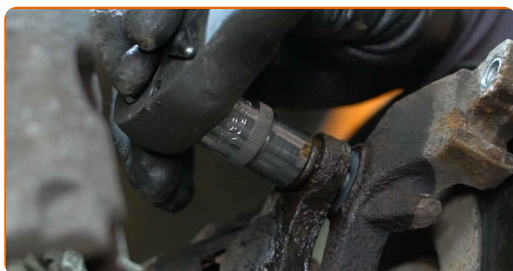
Remove the brake pads.



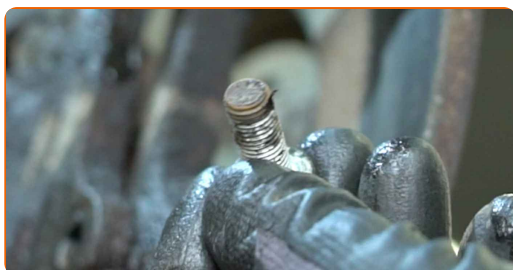
12 Clean the brake caliper bracket fasteners. Use a wire brush. Use WD-40 spray.



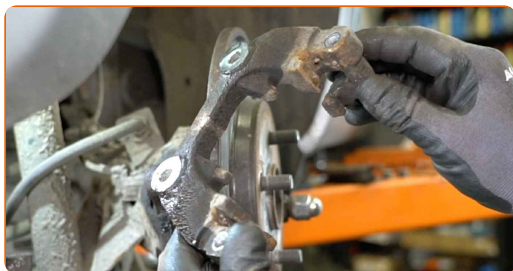
13 Unscrew the brake caliper bracket fasteners. Use a drive socket #14. Use a ratchet wrench.



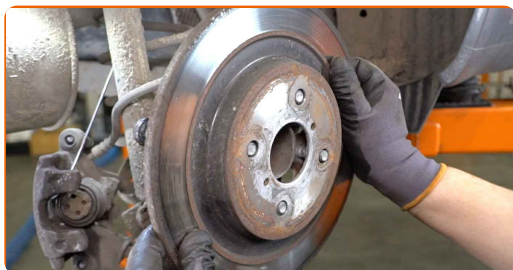
14 Remove the fastening bolts.



15 Remove the caliper bracket.



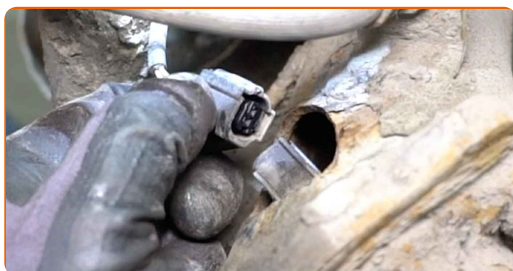
16 Remove the brake disc.



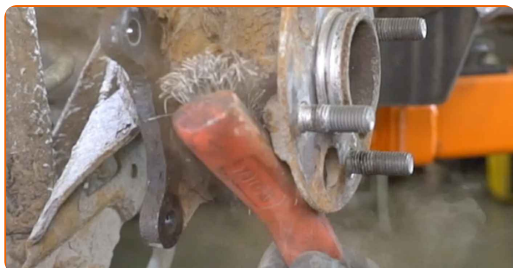
17 Clean the ABS sensor fastener. Use a nylon cleaning brush. Use all-purpose cleaning spray.



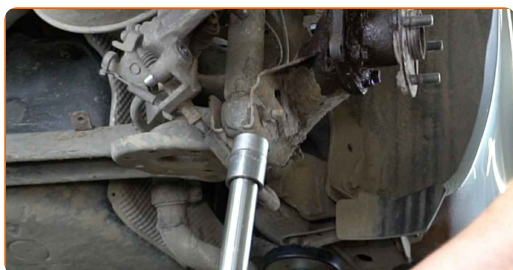
18 Detach the ABS sensor connector. Use a flat screwdriver.



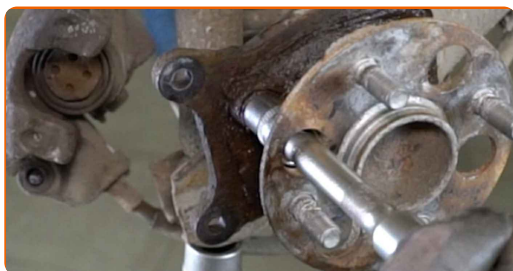
19 Clean the wheel hub fastener. Use a wire brush. Use WD-40 spray.



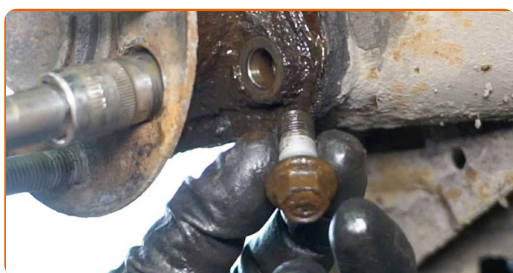
20 Support the rear suspension beam. Use a hydraulic transmission jack.



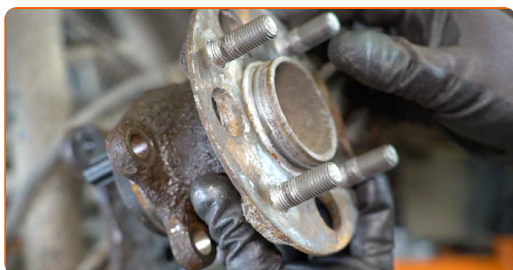
21 Unscrew the wheel hub bearing fasteners. Use a drive socket #14. Use a ratchet wrench.



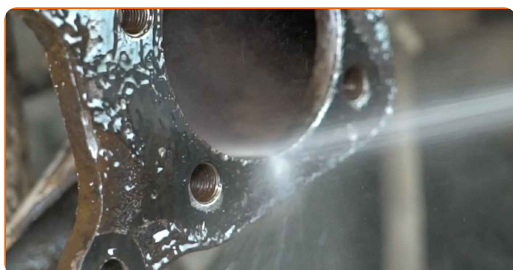
22 Remove the fastening bolts.



23 Remove the hub and the bearing together, since they are made as an assembly. Use a crowbar. Use a hammer.



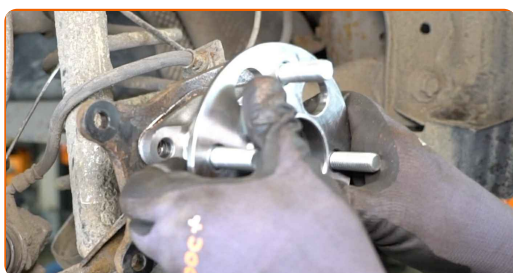
24 Clean the hub bearing mounting seat. Use a wire brush. Use all-purpose cleaning spray.



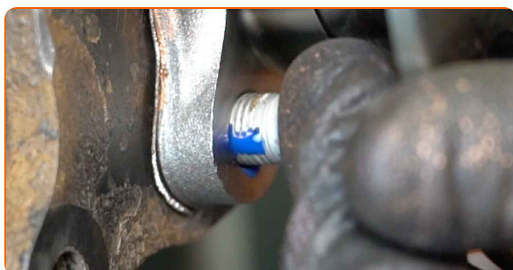
25 Treat the wheel hub mounting seat. Use copper grease.



26 Install the new wheel hub together with the bearing.



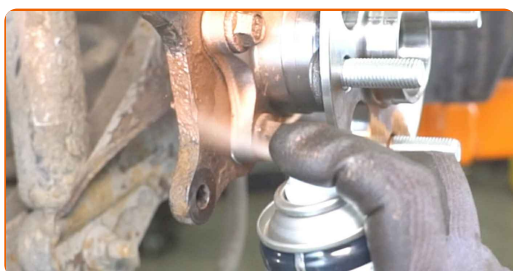
27 Install the fastening bolts.



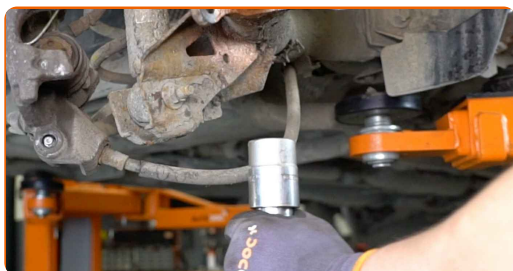
28 Tighten the wheel hub bearing fasteners. Use a drive socket #14. Use a torque wrench. Tighten it to 90 nm torque.



29 Treat the fasteners of the wheel hub bearing. Use copper grease.



30 Remove the support from under the rear axle beam.



AUTODOC recommends:

- Replacement: wheel bearing – TOYOTA Yaris III Van (XP13). Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

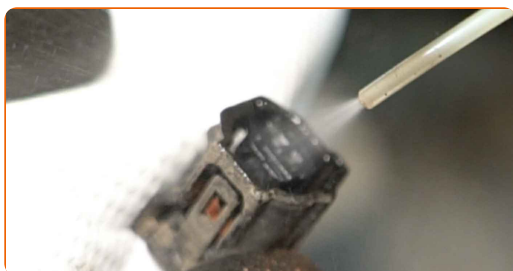
31 Treat the hub where it contacts the brake disk. Use ceramic grease.



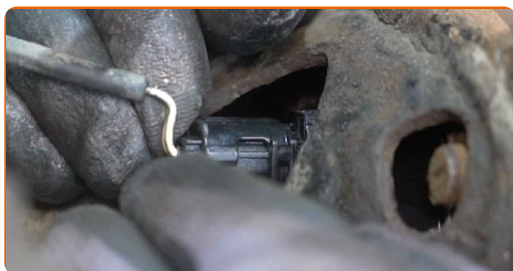
32 Install the brake disc.



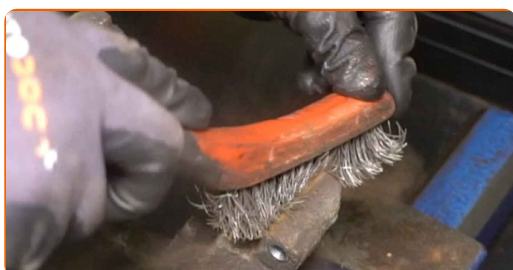
33 Treat the ABS sensor connector. Use dielectric grease.



34 Attach the ABS sensor connector.



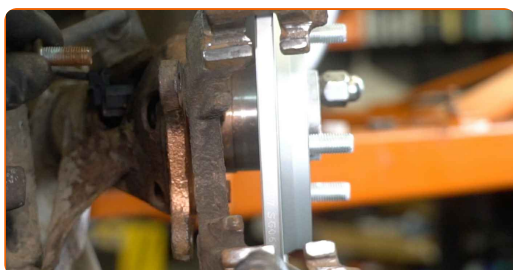
35 Clean the brake caliper bracket from dirt and dust. Use a wire brush. Use a brake cleaner.



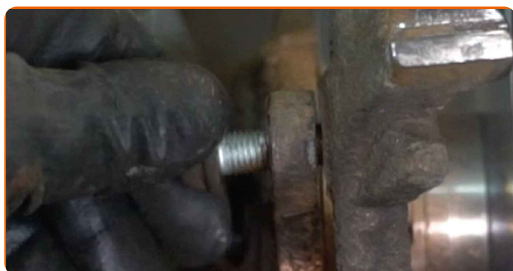
AUTODOC recommends:

- Replacement: wheel bearing – TOYOTA Yaris III Van (XP13). After applying the spray, wait a few minutes.
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

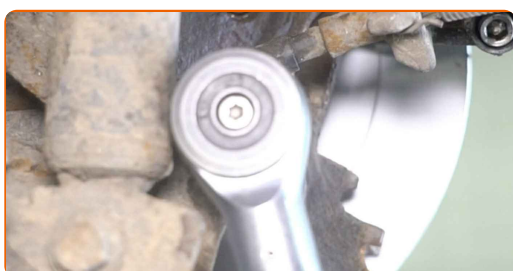
36 Install the brake caliper bracket.



37 Install the fastening bolts.



38 Tighten the brake caliper bracket fasteners. Use a drive socket #14. Use a torque wrench. Tighten it to 57 Nm torque.



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

Replacement: wheel bearing – TOYOTA Yaris III Van (XP13). Tip from AUTODOC experts:

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

40 Install the brake pads.



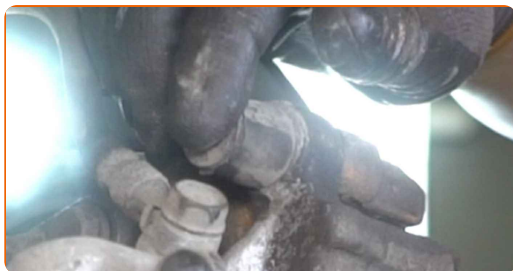
41 Install the brake caliper and fix it.



42 Tighten the brake caliper fasteners. Use HEX No.H7. Use a torque wrench. Tighten it to 34 nm torque.



43 Install the dust boot caps of the brake caliper guide pins.



44 Install the brake caliper retaining spring.

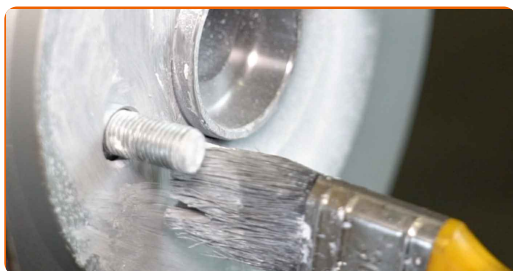


45 Clean the wheel rim mounting seat. Use a wire brush.



46

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



47

Clean the brake disk surface. Use a brake cleaner.

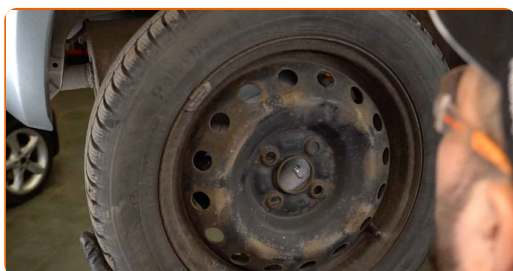


AUTODOC recommends:

- Replacement: wheel bearing – TOYOTA Yaris III Van (XP13). After applying the spray, wait a few minutes.

48

Install the wheel.



AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. TOYOTA Yaris III Van (XP13)

49

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



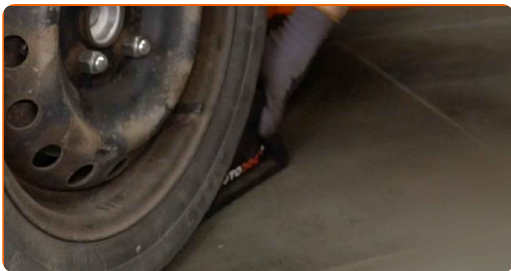
50

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 103 Nm torque.



51

Remove the jacks and chocks.



Replacement: wheel bearing – TOYOTA Yaris III Van (XP13). Tip from AUTODOC experts:

- 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.

52

Tighten the brake fluid reservoir cap. Close the hood.

WELL DONE! 

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