



How to change front
wheel bearing on **Toyota**
Yaris P1 – replacement
guide

VIDEO TUTORIAL

** Important!**

This replacement procedure can be used for:

TOYOTA Yaris Hatchback (_P1_) 1.0 (SCP10_), TOYOTA Yaris Verso (_P2_) 1.3,
TOYOTA Yaris Verso (_P2_) 1.5, TOYOTA Yaris Hatchback (_P1_) 1.5 (NCP13_),
TOYOTA Yaris Hatchback (_P1_) 1.4 D-4D (NLP10_), TOYOTA Yaris Verso (_P2_) 1.4
D-4D, TOYOTA Yaris Hatchback (_P1_) 1.3 (SCP12_)

The steps may slightly vary depending on the car design.

**REPLACEMENT: WHEEL BEARING – TOYOTA YARIS P1.
LIST OF THE TOOLS YOU'LL NEED:**



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #17
- Combination spanner #19
- Drive socket # 17
- Drive socket # 19
- Drive socket # 30
- Wheel impact socket #21
- Ratchet wrench
- Torque wrench
- Tap wrench
- Hammer
- Nippers
- Flat chisel
- Rubber mallet
- Bush and bearing driver set
- Circlip pliers
- Ball joint puller
- Wheel chock

BUY TOOLS

Replacement: wheel bearing – Toyota Yaris P1. AUTODOC recommends:

- Do not re-use the bearing assembly of your Toyota Yaris P1 car.
- The wheel hub bearing replacement procedure is identical for both wheels on the same axle.
- All work should be done with the engine stopped.

**REPLACEMENT: WHEEL BEARING – TOYOTA YARIS P1.
RECOMMENDED SEQUENCE OF STEPS:**

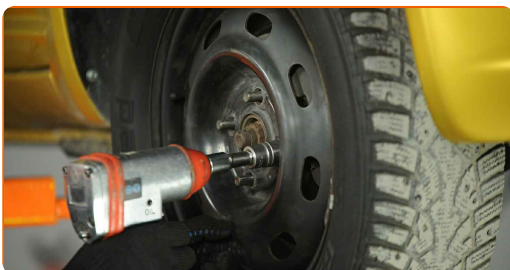
1 Secure the wheels with chocks.

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: wheel bearing – Toyota Yaris P1. Tip:

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

5

Remove the wheel.



6

Unstake the fastener of the driveshaft. Use a flat metal-working chisel. Use a hammer.

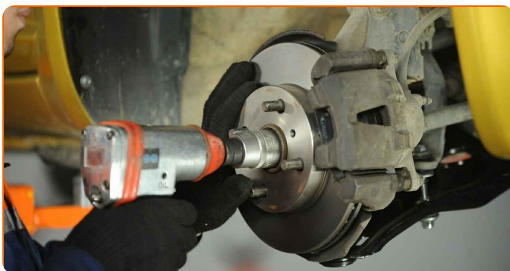


7

Clean the fastener of the driveshaft. Use a wire brush. Use WD-40 spray.

8

Loosen the fastener of the driveshaft. Use a drive socket #30. Use a tap wrench.

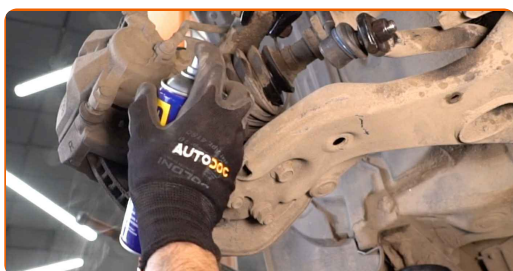


9 Remove the drive shaft.

Replacement: wheel bearing – Toyota Yaris P1. Tip from AUTODOC:

- If necessary, use a rubber mallet.

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



11 Unscrew the caliper bracket fastening. Use a drive socket #17. Use a ratchet wrench.



12 Remove the brake caliper together with its bracket.

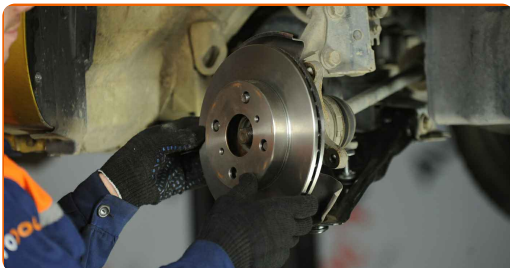


Replacement: wheel bearing – Toyota Yaris P1. AUTODOC experts recommend:

- 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.

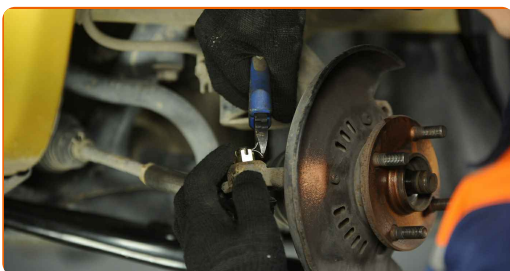
13

Remove the brake disc.



14

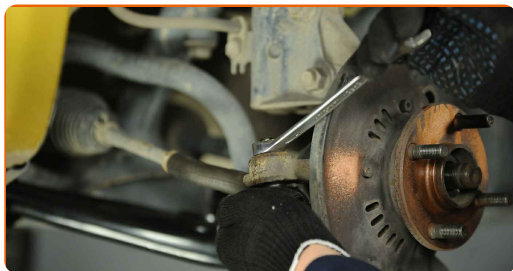
Remove the cotter pin fixing the tie rod end fastening. Use nippers.



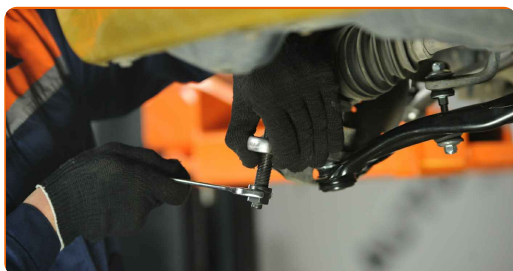
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Clean the fastener connecting the tie rod end to the steering knuckle. Use a wire brush. Use WD-40 spray.

16 Unscrew the end fastening nut to the steering knuckle. Use a combination spanner #17.

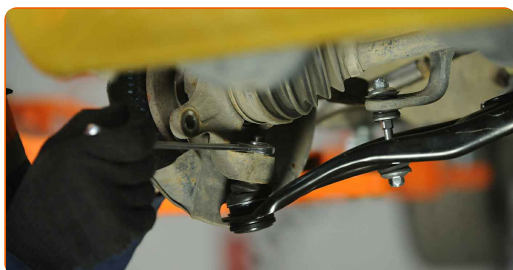


17 Disconnect the tie rod end from the steering knuckle. Use a ball joint puller.



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

19 Unscrew the ball joint fastening to the steering knuckle. Use a combination spanner #19.

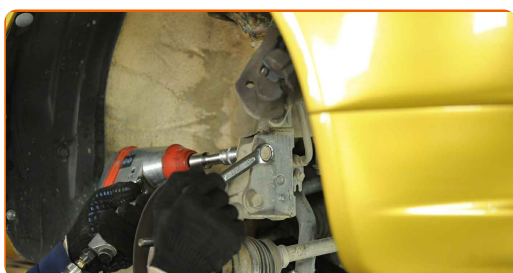


20 Disconnect the ball joint from the steering knuckle. Use a ball joint puller.



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

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

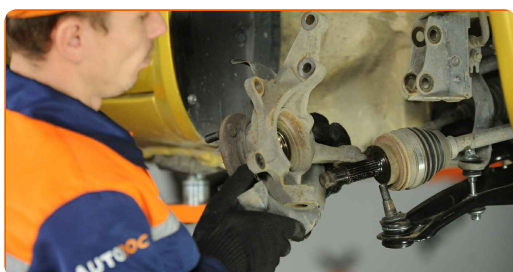


- 23 Remove the fastening bolts.

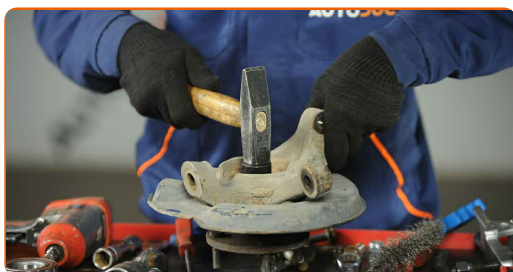
- 24 Disconnect the steering knuckle from the shock absorber strut.



- 25 Remove the steering knuckle together with the hub.



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



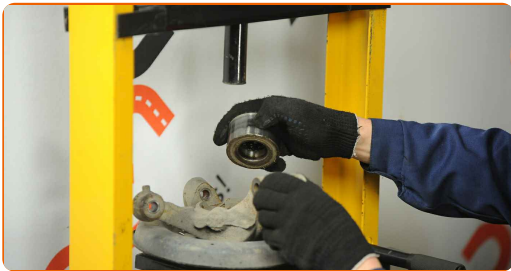
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Remove the retaining ring from the steering knuckle. Use circlip pliers.



28

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

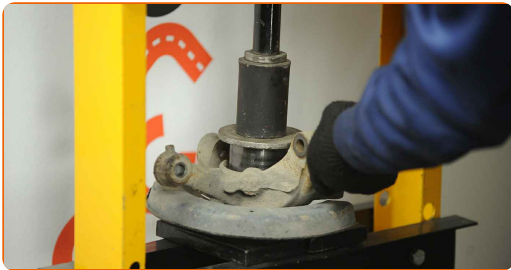


29

Clean the hub bearing mounting seat. Use a wire brush. Use WD-40 spray.

30

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



Replacement: wheel bearing – Toyota Yaris P1. Tip from AUTODOC experts:

- 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.

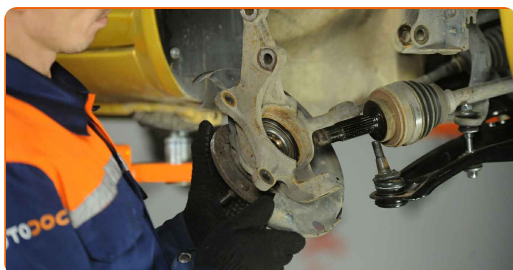
31 Install the retaining ring in the steering knuckle. Use circlip pliers.



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



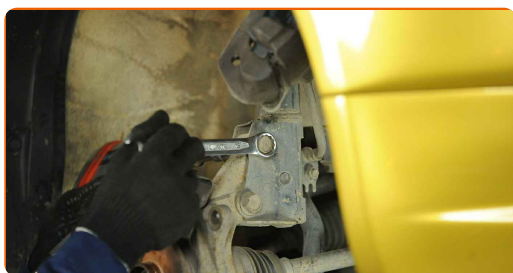
33 Install the steering knuckle with a hub in assembly.



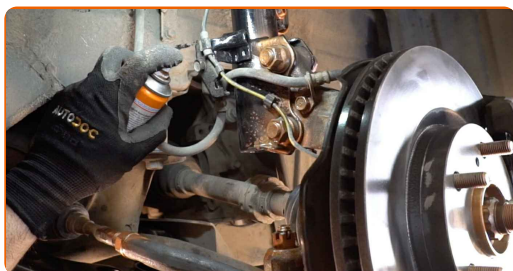
34 Install the fastening bolts.

35 Fix the shock absorber strut on the steering knuckle.

36 Tighten the lower fasteners connecting the shock strut to the steering knuckle. Use a combination spanner #19. Use a drive socket #19. Use a torque wrench. Tighten it to 132 Nm torque.

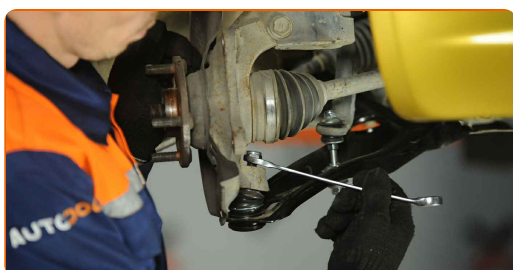


37 Treat the shock strut fasteners. Use copper grease.



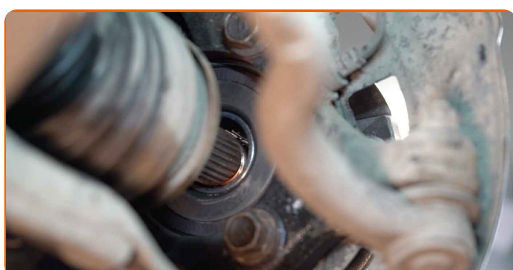
38 Connect the ball joint to the steering knuckle.

39 Tighten the ball joint fastener. Use a combination spanner #19. Use a torque wrench. Tighten it to 98 Nm torque.



40 Clean the splines of the drive shaft CV joint. Use a wire brush. Use WD-40 spray.

41 Mount the drive shaft into the wheel hub.

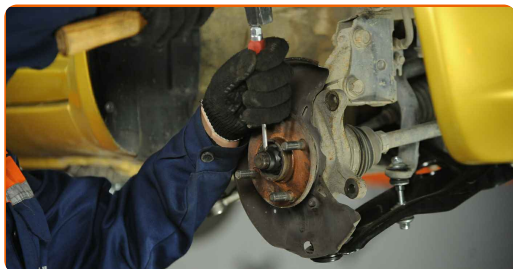


42 Tighten the drive shaft nut. Use a drive socket #30. Use a tap wrench. Use a torque wrench. Tighten it to 216 Nm torque.



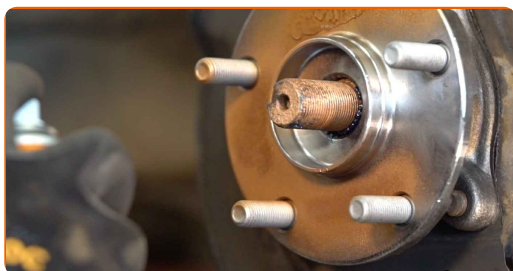
43

Restake the fastener of the driveshaft. Use a flat metal-working chisel. Use a hammer.



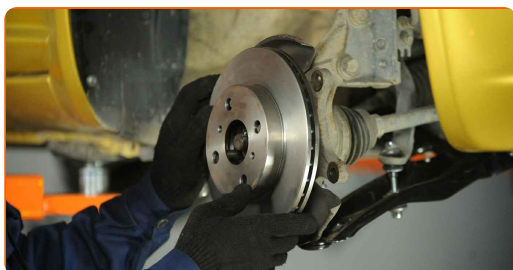
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Clean the hub. Use a wire brush. Treat the contacting surface. Use copper grease.



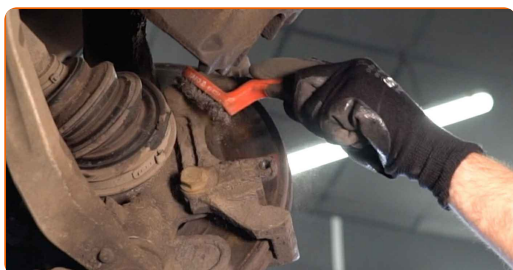
45

Install the brake disc.



46

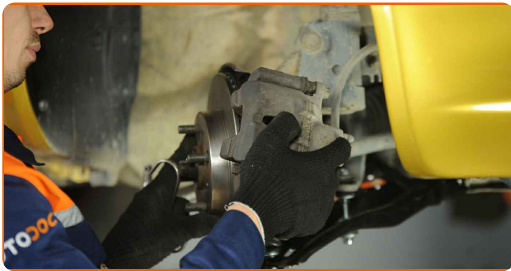
Clean the brake caliper bracket from dirt and dust. Use a wire brush. Use a brake cleaner.



AUTODOC recommends:

- Replacement: wheel bearing – Toyota Yaris P1. After applying the spray, wait a few minutes.

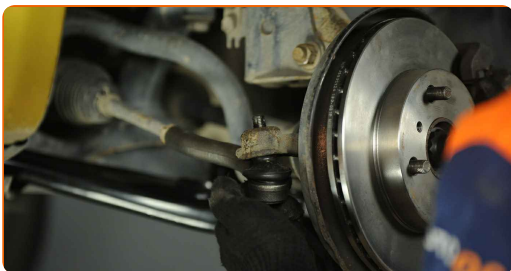
47 Install the brake caliper together with its bracket.



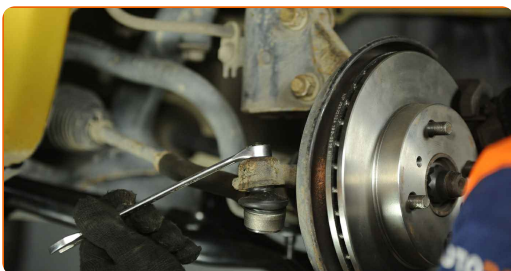
48 Tighten the brake caliper bracket. Use a drive socket #17. Use a torque wrench. Tighten it to 88 Nm torque.



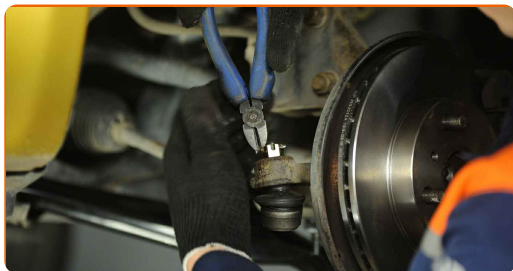
49 Connect the tie rod end to the steering knuckle.



50 Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a combination spanner #17. Use a torque wrench. Tighten it to 49 nm torque.



51 Install the cotter pin. Use nippers.



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



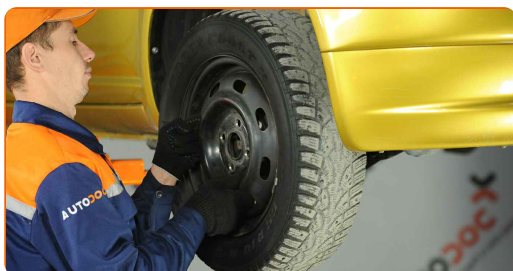
53 Clean the brake disk surface. Use a brake cleaner.



Replacement: wheel bearing – Toyota Yaris P1. Professionals recommend:

- After applying the spray, wait a few minutes.

54 Install the wheel.



AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. Toyota Yaris P1

55

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



56

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.



57

Remove the jacks and chocks.



WELL DONE! 

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