



How to change rear
wheel bearing on **Toyota**
Auris E15 – replacement
guide

VIDEO TUTORIAL



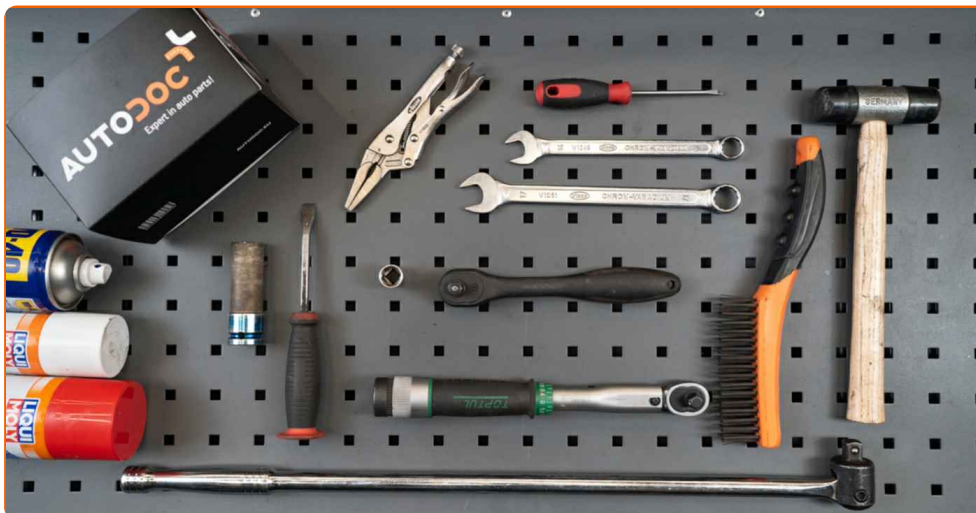
ⓘ Important!

This replacement procedure can be used for:

TOYOTA AURIS (NRE15_, ZZE15_, ADE15_, ZRE15_, NDE15_) 1.8 (ZRE152_), TOYOTA COROLLA (ZZE12_, NDE12_, ZDE12_) 1.4 VVT-i (ZZE120_), TOYOTA COROLLA Estate (_E12J_, _E12T_) 1.4 VVT-i (ZZE120_), TOYOTA COROLLA Saloon (_E12J_, _E12T_) 1.4 VVT-i (ZZE120_), TOYOTA AURIS (NRE15_, ZZE15_, ADE15_, ZRE15_, NDE15_) 2.0 D-4D (ADE150_), TOYOTA AURIS (NRE15_, ZZE15_, ADE15_, ZRE15_, NDE15_) 1.4 D-4D (NDE150_), TOYOTA AURIS (NRE15_, ZZE15_, ADE15_, ZRE15_, NDE15_) 1.6 (ZRE151_), TOYOTA AURIS (NRE15_, ZZE15_, ADE15_, ZRE15_, NDE15_) 1.4 (ZZE150_), TOYOTA COROLLA Saloon (E15_) 2.0 D-4D, TOYOTA COROLLA Saloon (E15_) 1.6 Dual VVTi (ZRE141), TOYOTA AURIS (NRE15_, ZZE15_, ADE15_, ZRE15_, NDE15_) 1.33 Dual-VVTi (NRE150_), TOYOTA Corolla Saloon (_E18_, ZRE1_) 1.3 (NRE180_), TOYOTA Corolla Saloon (_E18_, ZRE1_) 1.4 D-4D (NDE180_), TOYOTA Corolla Saloon (_E18_, ZRE1_) 1.6 (ZRE181_), TOYOTA Corolla Saloon (_E18_, ZRE1_) 1.8 VVTi (ZRE172), (+ 4)

The steps may slightly vary depending on the car design.

REPLACEMENT: WHEEL BEARING – TOYOTA AURIS
E15. TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- All-purpose cleaning spray
- Brake cleaner
- Copper grease
- Drive socket # 14
- Combination spanner #14
- Combination spanner #17
- Wheel impact socket #21
- Ratchet wrench
- Torque wrench
- Tap wrench
- Rubber mallet
- Water pump pliers
- Flat Screwdriver
- Crow bar
- Hub slide hammer puller
- Wheel chock

BUY TOOLS

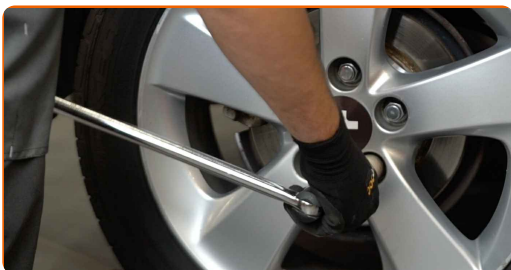
Replacement: wheel bearing – Toyota Auris E15. AUTODOC recommends:

- Do not re-use the bearing assembly of your Toyota Auris E15 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.

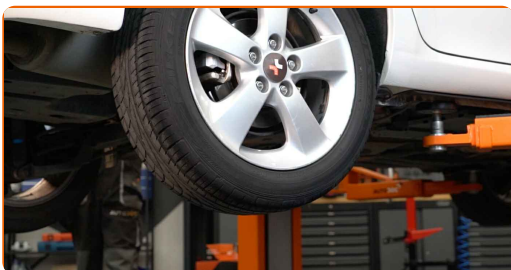
REPLACEMENT: WHEEL BEARING – TOYOTA AURIS E15. TAKE THE FOLLOWING STEPS:

1 Secure the wheels with chocks.

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



3 Raise the rear of the car and secure on supports.



4

Unscrew the wheel bolts.



Replacement: wheel bearing – Toyota Auris E15. Tip:

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

5

Remove the wheel.



6

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

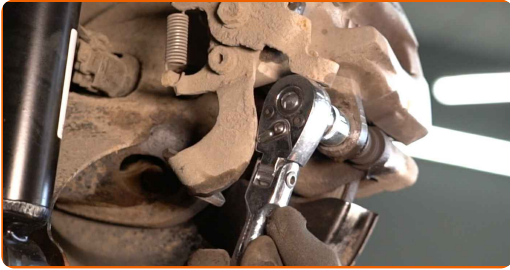


7

Detach the parking brake cable from the bracket on the brake caliper. Use water pump pliers.



8 Unscrew the brake caliper fastening. Use a combination spanner #14. Use a combination spanner #17.



9 Spread the brake pads. Use a crowbar.

10 Remove the brake caliper.



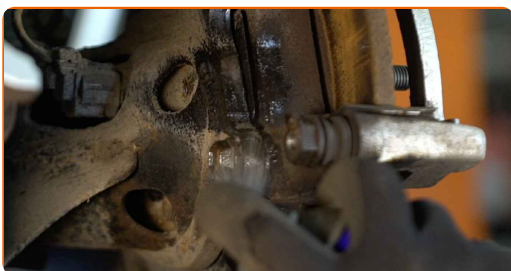
Replacement: wheel bearing – Toyota Auris E15. AUTODOC experts recommend:

- 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.

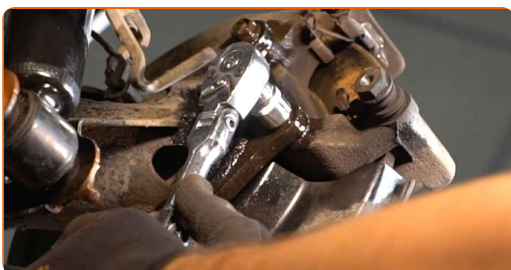
11 Remove the brake pads.



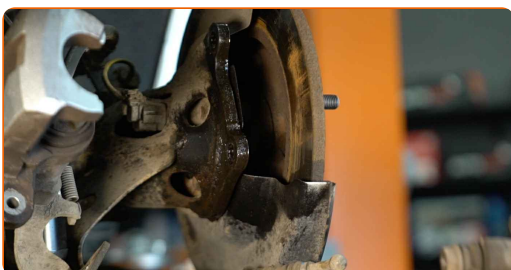
12 Clean the brake caliper bracket fasteners. Use a wire brush. Use WD-40 spray.



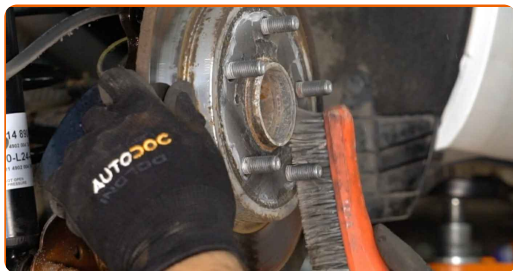
13 Unscrew the caliper bracket fastening. Use a drive socket #14. Use a tap wrench. Use a ratchet wrench.



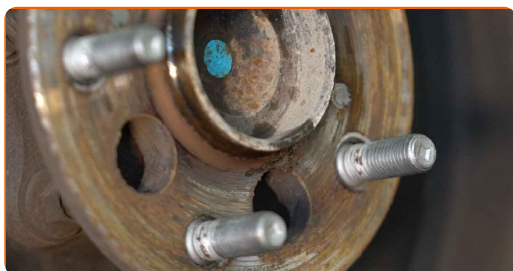
14 Remove the caliper bracket.



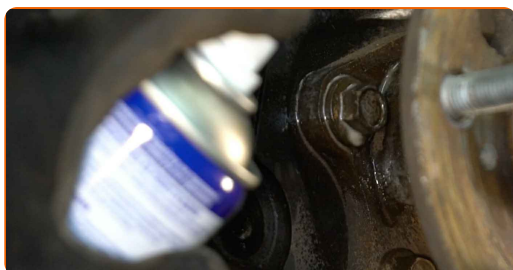
15 Clean the brake disc fasteners. Use a wire brush. Use WD-40 spray.



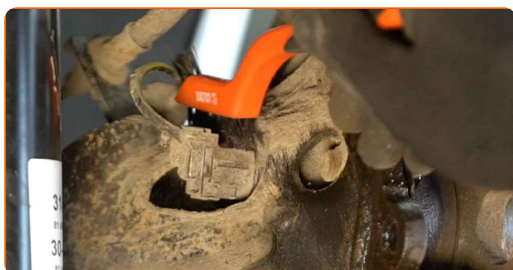
16 Remove the brake disc. Use a rubber mallet.



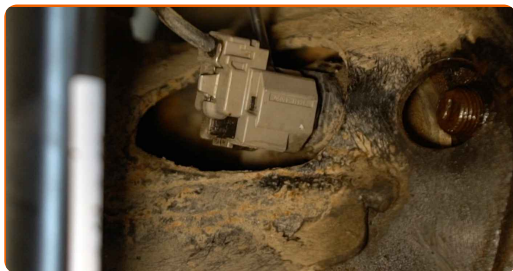
17 Clean the wheel hub fastener. Use a wire brush. Use WD-40 spray.



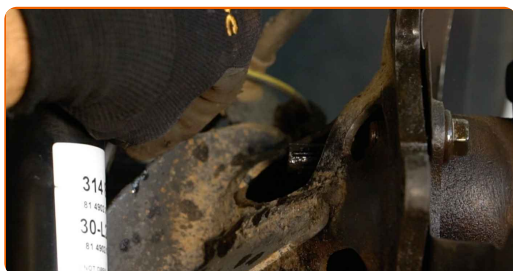
18 Clean the ABS sensor connector. Use all-purpose cleaning spray.



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



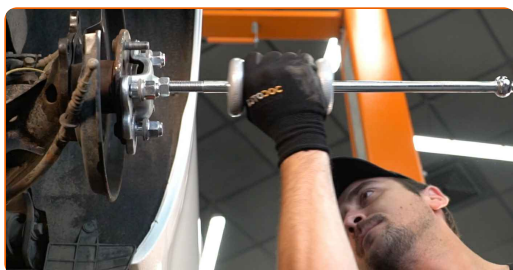
20 Disconnect the ABS sensor wiring.



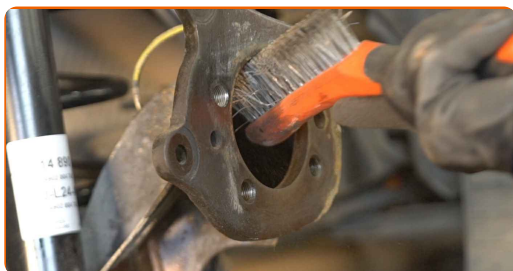
21 Unscrew the hub bearing mounting. Use a drive socket #14. Use a ratchet wrench. Use a tap wrench.



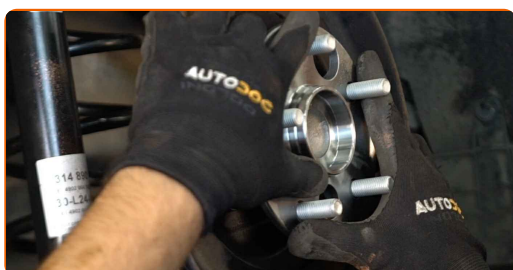
22 Remove the hub and the bearing together, since they are a sealed unit. Use the hub slide hammer puller.



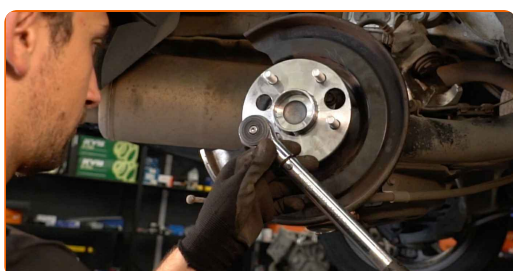
23 Clean the hub bearing mounting seat. Use a wire brush.



24 Install the new wheel hub with a bearing.



25 Tighten the fastener of the wheel hub bearing. Use a drive socket #14. Use a torque wrench. Tighten it to 90 nm torque.



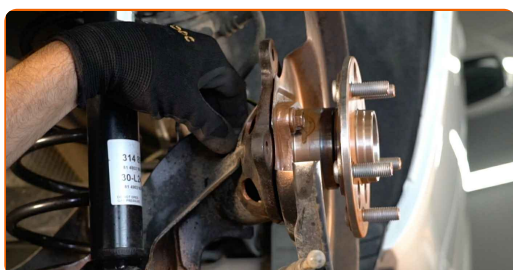
Replacement: wheel bearing – Toyota Auris E15. Tip from AUTODOC experts:

- The wheel bearing unit must not tilt on the axle pin.

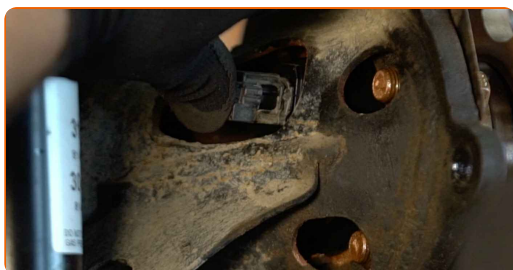
26 Treat the fasteners of the wheel hub bearing. Use copper grease.



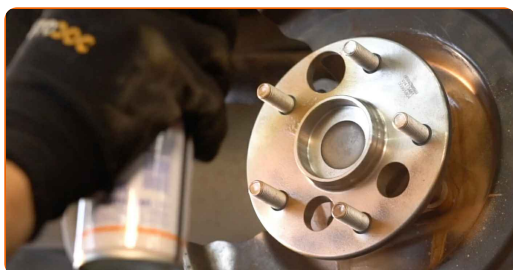
27 Connect the ABS sensor wiring.



28 Attach the ABS sensor connector.



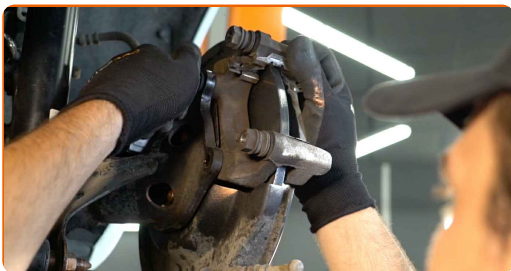
29 Treat the hub where it contacts the brake disk. Use copper grease.



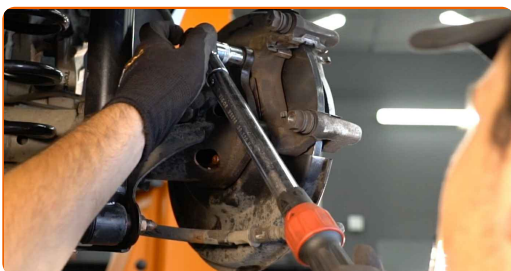
30 Install the brake disc.



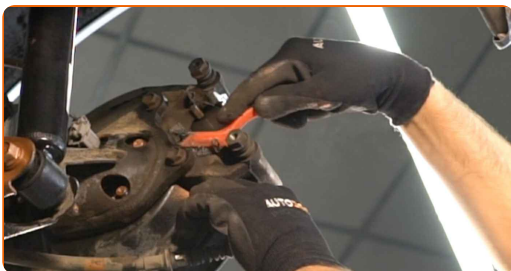
31 Install the brake caliper bracket.



32 Tighten the brake caliper bracket. Use a drive socket #14. Use a torque wrench. Tighten it to 57 nm torque.



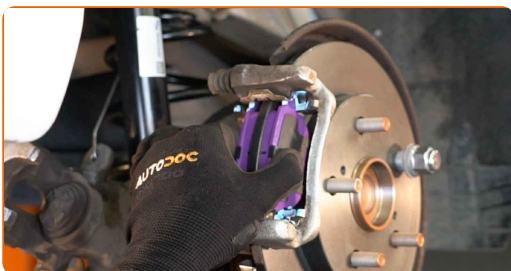
33 Clean the brake caliper bracket from dirt and dust. Use a wire brush. Use a brake cleaner.



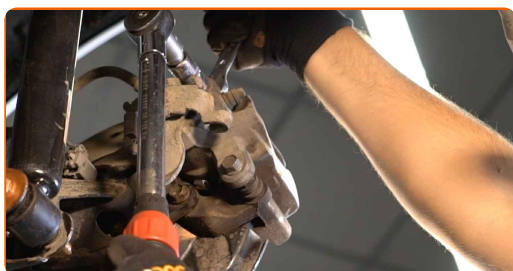
AUTODOC recommends:

- Replacement: wheel bearing – Toyota Auris E15. After applying the spray, wait a few minutes.

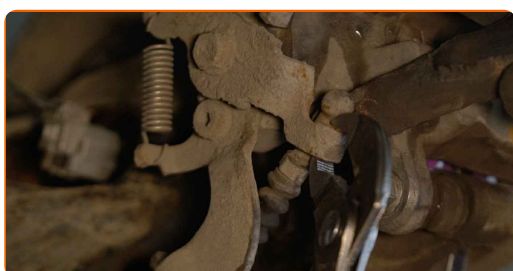
34 Install the brake pads.



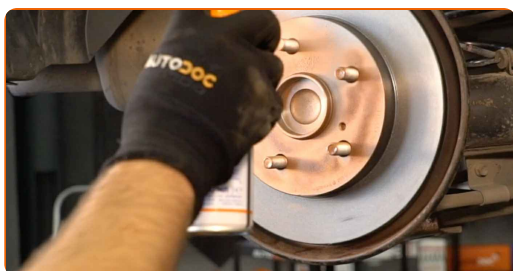
- 35** Install the brake caliper and fix it. Use a combination spanner #17. Use a drive socket #14. Use a torque wrench. Tighten it to 35 Nm torque.



- 36** Install the parking brake cable into the brake caliper bracket.



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



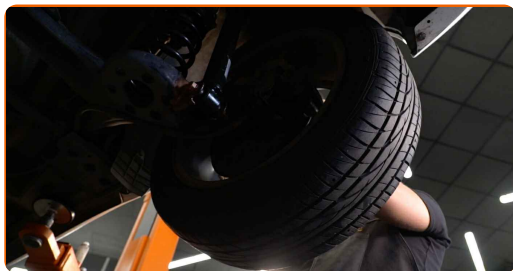
- 38** Clean the brake disk surface. Use a brake cleaner.



Replacement: wheel bearing – Toyota Auris E15. Tip from AUTODOC:

- After applying the spray, wait a few minutes.

39 Install the wheel.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. Toyota Auris E15

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

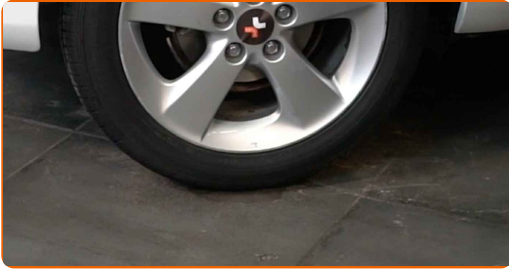


41 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #21. Use a torque wrench. Tighten it to 103 nm torque.



42

Remove the jacks and chocks.



WELL DONE! 

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