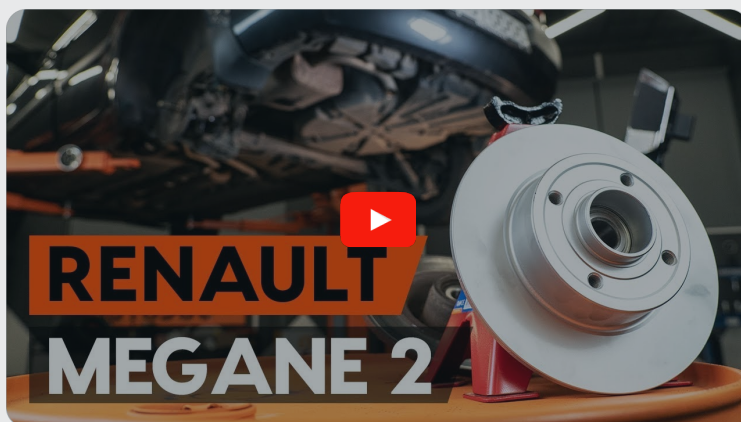




How to change rear
wheel bearing on
RENAULT WIND (E4M_)
– replacement guide

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:

RENAULT WIND (E4M_) 1.2 TCe 100, RENAULT WIND (E4M_) 1.2, RENAULT WIND (E4M_) 1.6

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: RENAULT MEGANE II Saloon (LM0/1_) 1.4

REPLACEMENT: WHEEL BEARING – RENAULT WIND (E4M_). TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Multipurpose grease
- Copper grease
- Combination spanner №15
- Drive socket # 13
- Drive socket # E16
- Drive socket # 30
- Wheel impact socket #19
- Ratchet wrench
- Torque wrench
- Brake caliper wind back tool
- Tap wrench
- Hammer
- Rubber mallet
- Crow bar
- Wheel chock

Buy tools

Replacement: wheel bearing – RENAULT WIND (E4M_). AUTODOC experts recommend:

- Do not re-use the bearing assembly of your RENAULT WIND (E4M_) 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 – RENAULT WIND (E4M_). RECOMMENDED SEQUENCE OF STEPS:

1 Open the bonnet. Unscrew the brake fluid reservoir cap.

2 Secure the wheels with chocks.

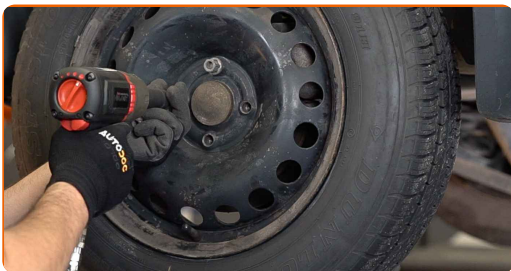


3 Loosen the wheel mounting bolts. Use wheel impact socket #19.



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

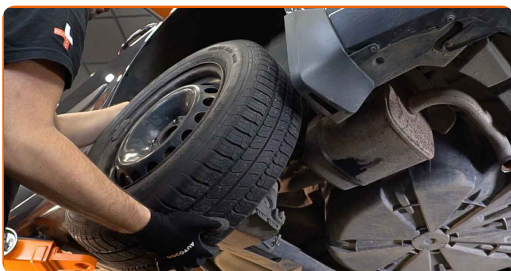
5 Unscrew the wheel bolts.



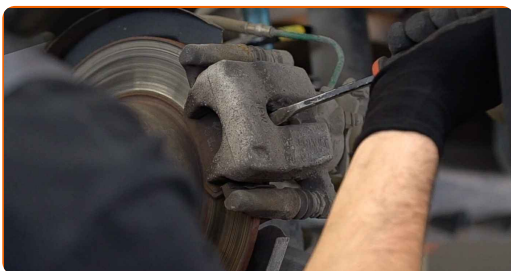
AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. RENAULT WIND (E4M_)

6 Remove the wheel.



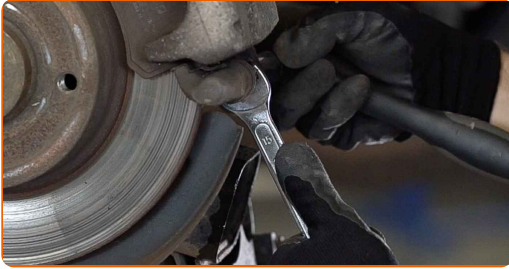
7 Spread the brake pads. Use a crowbar.



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



- 9** Unscrew the brake caliper fastening. Use a combination spanner #15. Use a drive socket #13. Use a ratchet wrench.



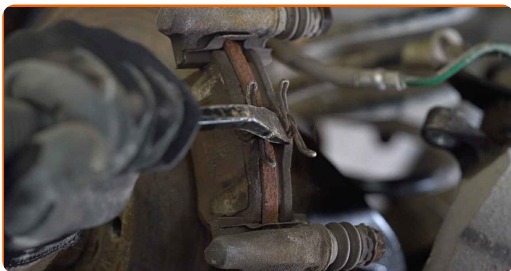
- 10** Remove the brake caliper.



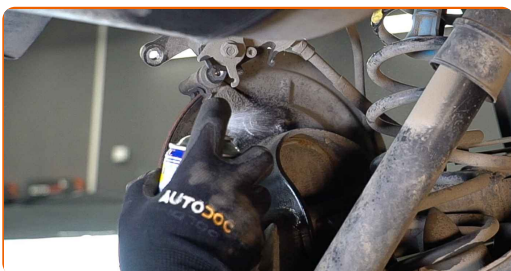
Replacement: wheel bearing – RENAULT WIND (E4M_). AUTODOC recommends:

- 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. Use a crowbar.



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



13 Unscrew the caliper bracket fastening. Use a drive socket #E16. Use a tap wrench.



14 Remove the caliper bracket.



15 Pry up and remove the wheel hub cap. Use a crowbar. Use a hammer.



16 Unscrew the hub lock nut. Use a drive socket #30. Use a tap wrench.



17 Remove the brake disc assembled with the wheel hub bearing.



18 Install the brake disc assembled with the wheel hub bearing.



19

Screw the wheel hub lock nut. Use a drive socket #30. Use a torque wrench. Tighten it to 175 Nm torque.



20

Treat the hub where it contacts the brake disk. Use a multipurpose grease.



21

Install the cap of the hub nut. Use a rubber mallet.



Replacement: wheel bearing – RENAULT WIND (E4M_). Tip:

- The cap must always be replaced. When you install the previously used cap the sealing will be lost.

22

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



AUTODOC recommends:

- Replacement: wheel bearing – RENAULT WIND (E4M_). After applying the spray, wait a few minutes.

23

Install the brake caliper bracket.



24

Tighten the brake caliper bracket. Use a drive socket #E16. Use a torque wrench. Tighten it to 105 Nm torque.



25

Press in the brake caliper piston. Use brake caliper wind back tool.



26

Install the brake pads.



27

Install the brake caliper and fix it. Use a combination spanner #15. Use a drive socket #13. Use a torque wrench. Tighten it to 35 Nm torque.

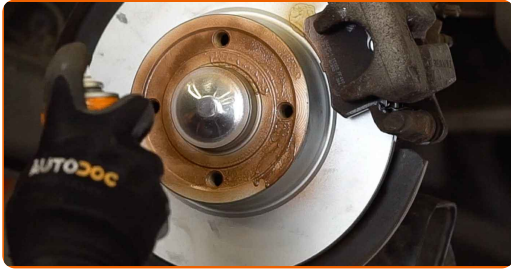


Replacement: wheel bearing – RENAULT WIND (E4M_). Tip from AUTODOC:

- Without starting the engine, press the brake pedal several times until you feel significant resistance.

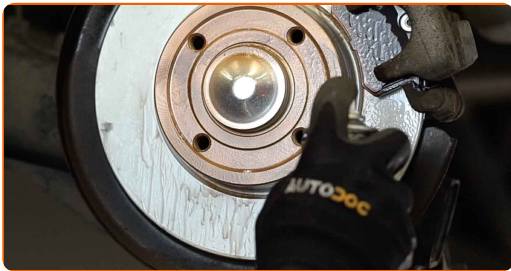
28

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



29

Clean the brake disk surface. Use a wire brush. Use a brake cleaner.

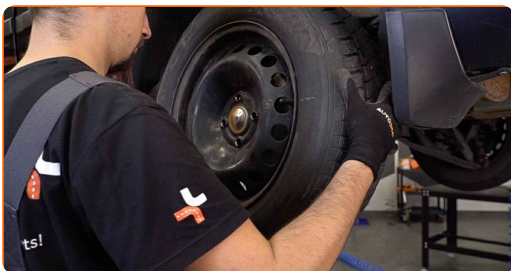


Replacement: wheel bearing – RENAULT WIND (E4M_). Tip from AUTODOC experts:

- After applying the spray, wait a few minutes.

30

Install the wheel.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. RENAULT WIND (E4M_)

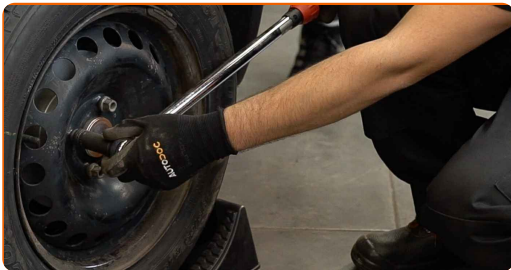
31

Screw in the wheel bolts. Use wheel impact socket #19.



32

Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 110 Nm torque.



33

Remove the jacks and chocks.



AUTODOC recommends:

- Check the brake fluid level in the expansion tank and refill if necessary.

34

Tighten the brake fluid reservoir cap. Close the hood.

WELL DONE! 

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WHEEL BEARING: A WIDE SELECTION

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