



How to change front
wheel bearing on **Nissan
Micra K11** – replacement
guide

VIDEO TUTORIAL

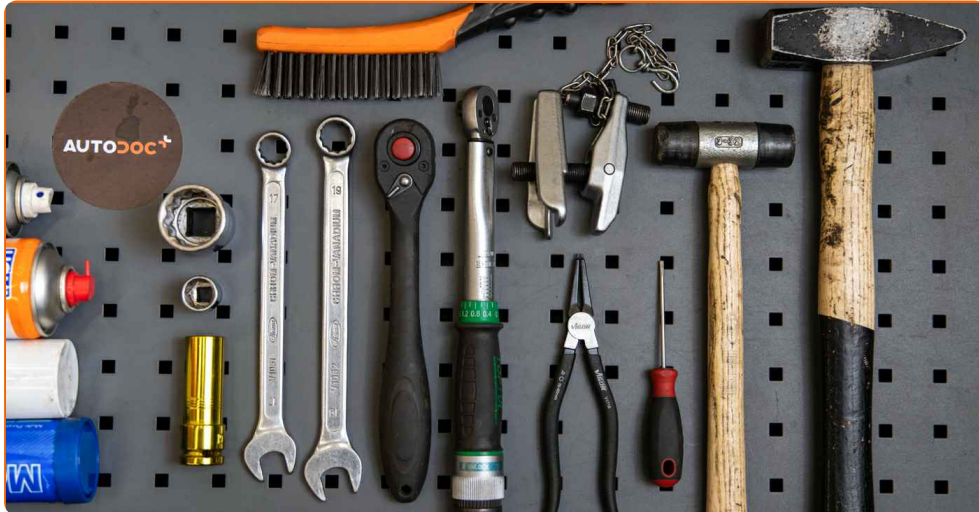
**i Important!**

This replacement procedure can be used for:

NISSAN MICRA II (K11) 1.0 i 16V, NISSAN MICRA II (K11) 1.5 D, NISSAN MICRA II (K11) 1.4 i 16V

The steps may slightly vary depending on the car design.

REPLACEMENT: WHEEL BEARING – NISSAN MICRA K11. LIST OF THE TOOLS YOU'LL NEED:



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

[BUY TOOLS](#)

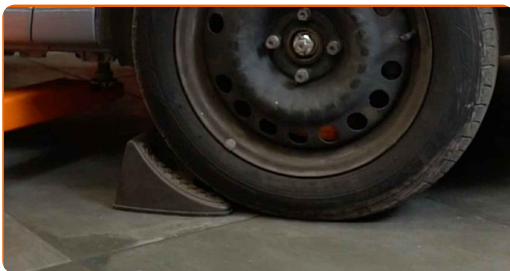
AUTODOC recommends:

- Do not re-use the bearing assembly of your Nissan Micra K11 car.
- The wheel hub bearing replacement procedure is identical for both wheels on the same axle.
- Please note: all work on the car – Nissan Micra K11 – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

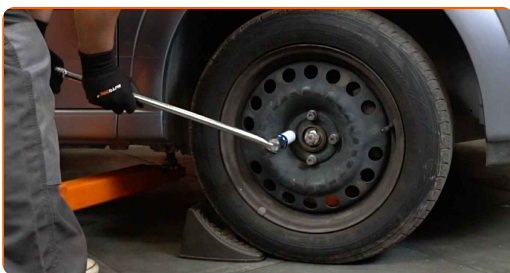
1

Secure the wheels with chocks.



2

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



3

Raise the front of the car and secure on supports.



4

Unscrew the wheel bolts.

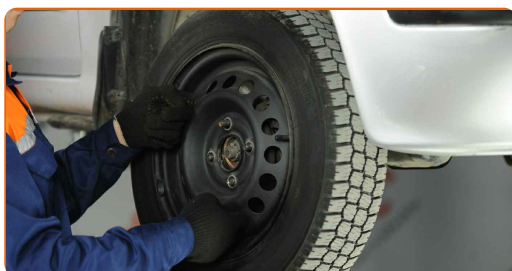


AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.
Nissan Micra K11

5

Remove the wheel.



6

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

7

Unscrew the fastener connecting the drive shaft to the wheel hub. Use 12-point socket No.32. Use a ratchet wrench.



8

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

9

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



10

Remove the brake caliper together with its bracket.



Replacement: wheel bearing – Nissan Micra K11. Tip from AUTODOC:

- 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 disc.



12

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

13

Unscrew the end fastening nut to the steering knuckle. Use a drive socket #17. Use a ratchet wrench.



14

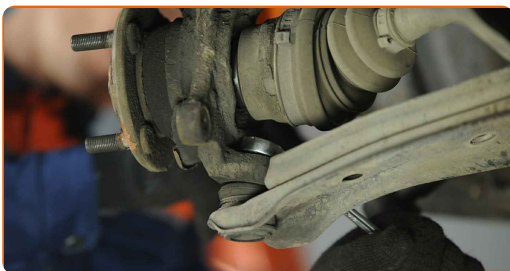
Disconnect the tie rod end from the steering knuckle.

15

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

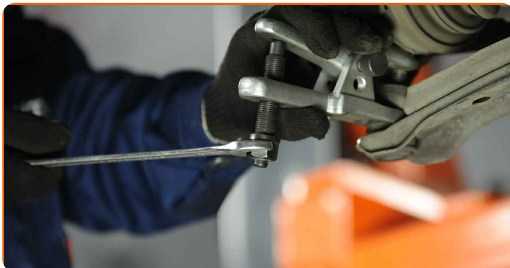
16

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



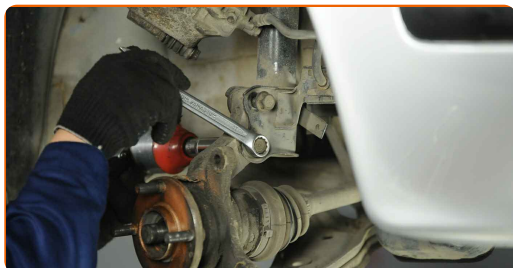
17

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

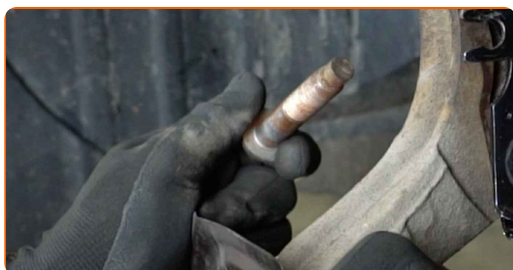


18 Clean the fasteners connecting the shock strut to the steering knuckle. Use a wire brush. Use WD-40 spray.

19 Unscrew the lower fastener connecting the shock strut to the steering knuckle. Use a combination spanner #17. Use a drive socket #17. Use a ratchet wrench.



20 Remove the fastening bolts (2 pieces).



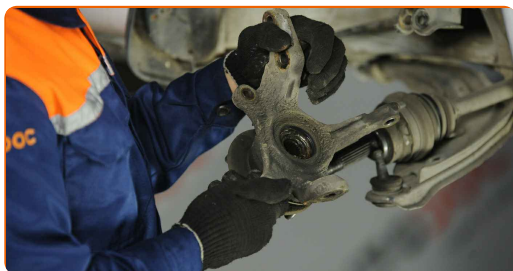
21 Disconnect the steering knuckle from the shock absorber strut.

22 Detach the driveshaft from the steering knuckle.

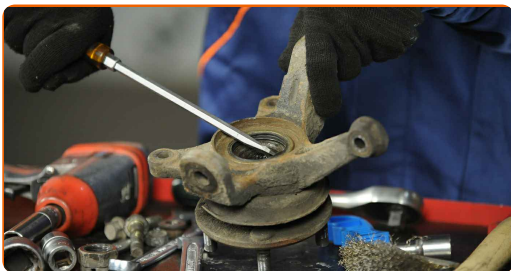
Replacement: wheel bearing – Nissan Micra K11. AUTODOC experts recommend:

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

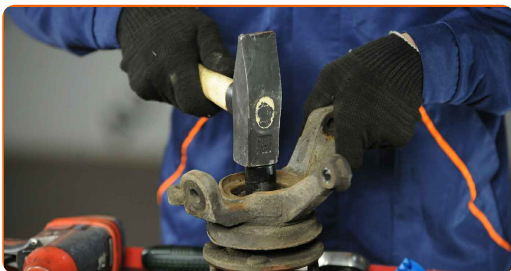
23 Remove the steering knuckle together with the hub.



- 24 Remove the inner wheel bearing oil seal. Use a flat screwdriver.



- 25 Remove the wheel hub from the steering knuckle. Use a bush and bearing driver set. Use a hammer.



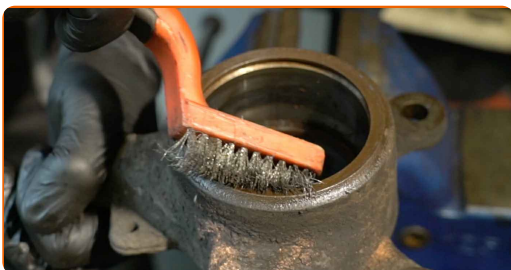
- 26 Remove the inner wheel bearing oil seal. Use a flat screwdriver.

- 27 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.

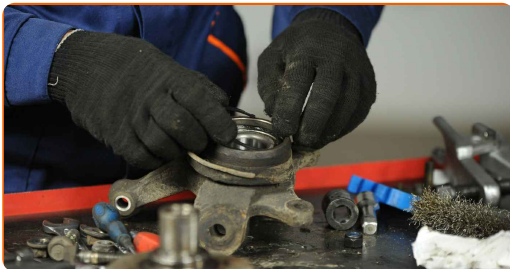


Replacement: wheel bearing – Nissan Micra K11. Tip from AUTODOC experts:

- 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.

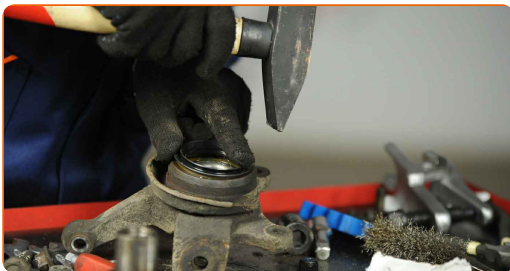


32

Apply special grease to the bearing assembly mounting seat. Use a multipurpose grease.

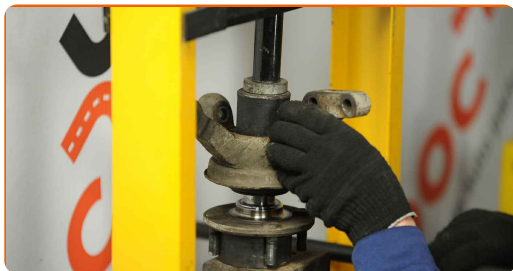
33

Press in the inner wheel bearing oil seal. Use a rubber mallet. Use a bush and bearing driver set. Use a hammer.



34

Install the wheel hub on the steering knuckle. Use a bush and bearing driver set.

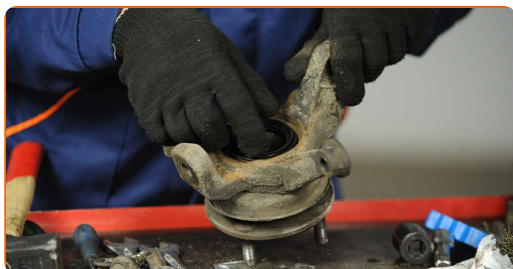


35

Apply special grease to the bearing assembly mounting seat. Use a multipurpose grease. Use a flat screwdriver.

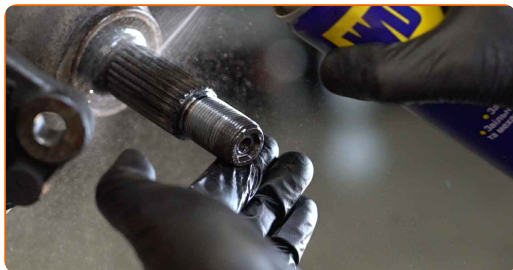
36

Press in the inner wheel bearing oil seal. Use a bush and bearing driver set. Use a hammer.



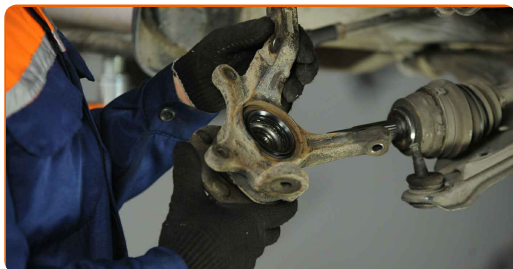
37

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

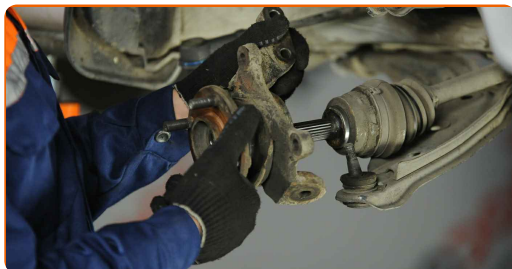


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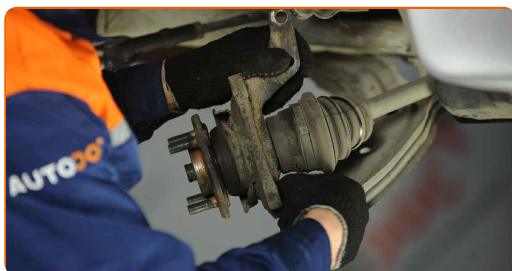
Install the steering knuckle with a hub in assembly.



39 Install the drive shaft.



40 Connect the ball joint to the steering knuckle.

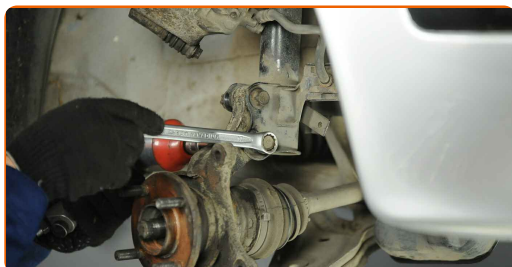


41 Fix the shock absorber strut on the steering knuckle.

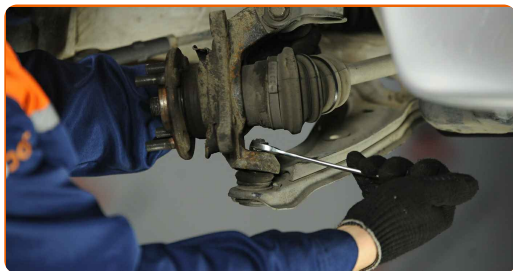


42 Install the fastening bolts (2 pieces).

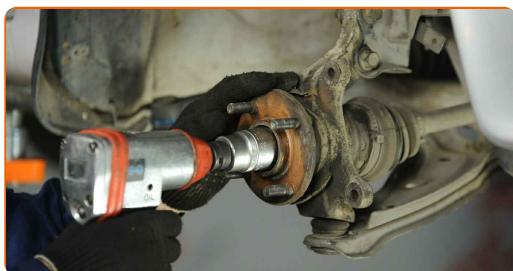
43 Tighten the lower fasteners connecting the shock strut to the steering knuckle. Use a combination spanner #17. Use a drive socket #17. Use a torque wrench. Tighten it to 115 Nm torque.



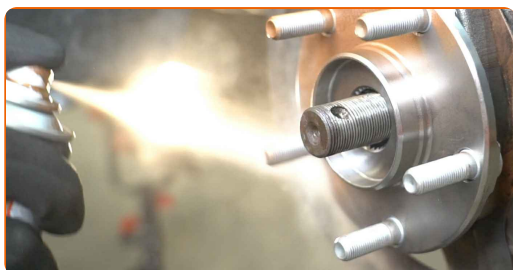
44 Tighten the ball joint fastener. Use a combination spanner #19. Use a torque wrench. Tighten it to 60 Nm torque.



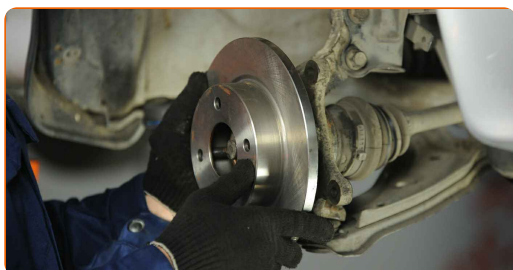
45 Tighten the drive shaft nut. Use 12-point socket No.32. Use a torque wrench. Tighten it to 185 Nm torque.



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



47 Install the brake disc.



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

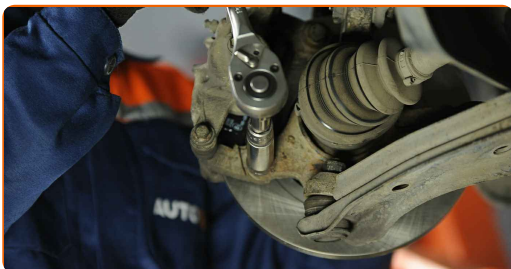
49

Install the brake caliper together with its bracket.



50

Tighten the brake caliper bracket. Use a drive socket #17. Use a torque wrench. Tighten it to 115 Nm torque.



51

Connect the tie rod end to the steering knuckle.

52

Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #17. Use a torque wrench. Tighten it to 45 nm torque.

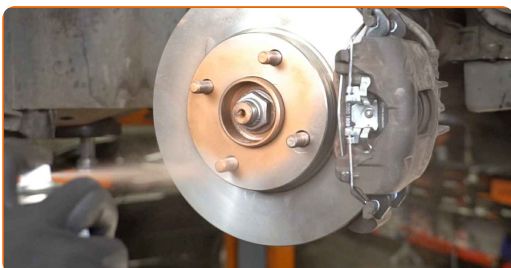


53

Treat the fastener connecting the tie rod end to the steering knuckle. Treat the shock strut fasteners. Treat the fasteners of the ball joint. Use copper grease.

54

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



55

Clean the brake disk surface. Use a brake cleaner.

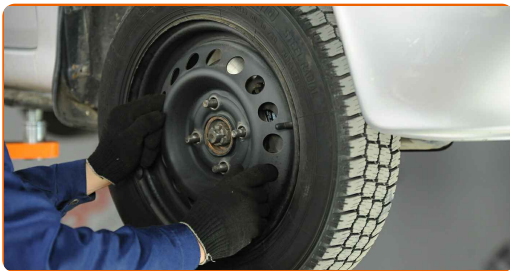


AUTODOC recommends:

- Replacement: wheel bearing – Nissan Micra K11. After applying the spray, wait a few minutes.

56

Install the wheel.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. Nissan Micra K11

57

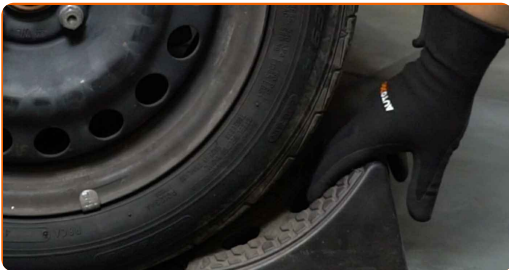
Screw in the wheel bolts. Use wheel impact socket #19.



- 58** Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #19. Use a torque wrench. Tighten it to 110 Nm torque.



- 59** Remove the jacks and chocks.



WELL DONE! 

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