



How to change front
wheel bearing on
RENAULT KOLEOS (HY_)
– 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 KOLEOS (HY_) 2.0 dCi, RENAULT KOLEOS (HY_) 2.0 dCi 4x4, RENAULT KOLEOS (HY_) 2.5, RENAULT KOLEOS (HY_) 2.5 4x4, RENAULT KOLEOS (HY_) 2.0

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: NISSAN Qashqai / Qashqai +2 I (J10, NJ10) 1.6

REPLACEMENT: WHEEL BEARING – RENAULT KOLEOS (HY_). LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Multipurpose grease
- Copper grease
- Torque wrench
- Combination spanner #18
- Drive socket # 10
- Drive socket # 17
- Drive socket # 18
- Drive socket # 19
- Drive socket # 21
- Drive socket # 32
- Wheel impact socket #21
- Ratchet wrench
- Tap wrench
- Hammer
- Pin punch
- Clip removal tool
- Vice
- Water pump pliers
- Flat Screwdriver
- Crow bar
- Wheel chock

Buy tools

Replacement: wheel bearing – RENAULT KOLEOS (HY_). Professionals recommend:

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

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

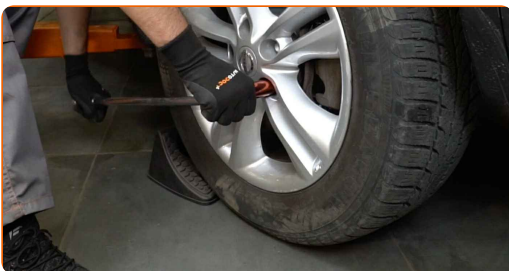
1

Secure the wheels with chocks.



2

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



3

Raise the front of the car and secure on supports.

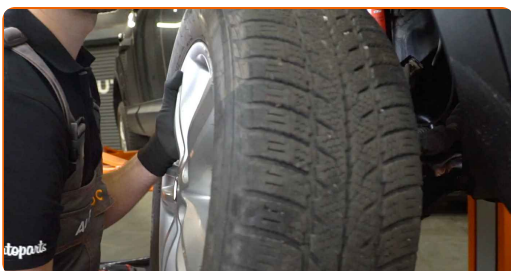
4 Unscrew the wheel bolts.



Replacement: wheel bearing – RENAULT KOLEOS (HY_). AUTODOC recommends:

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

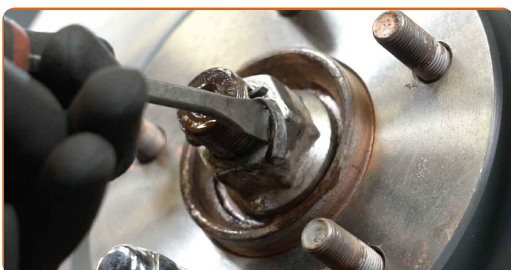
5 Remove the wheel.



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



7 Remove the CV axle nut cotter pin. Use a crowbar.



8

Loosen the fastener of the driveshaft. Use a drive socket #32. Use a ratchet wrench.



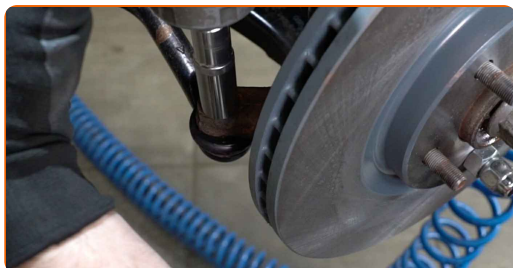
9

Spread the brake pads. Use a crowbar.



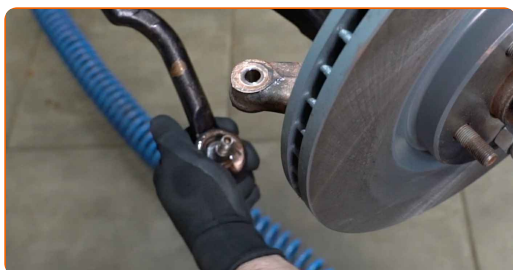
10

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



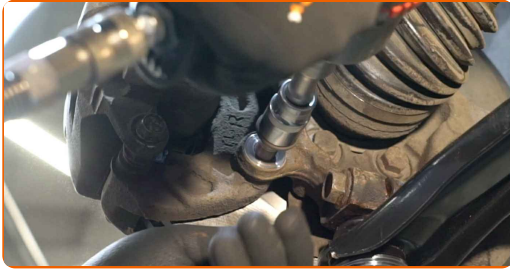
11

Disconnect the tie rod end from the steering knuckle.



12

Unscrew the caliper bracket fastening. Use a drive socket #19. Use a tap wrench.



13

Remove the brake caliper together with its bracket.



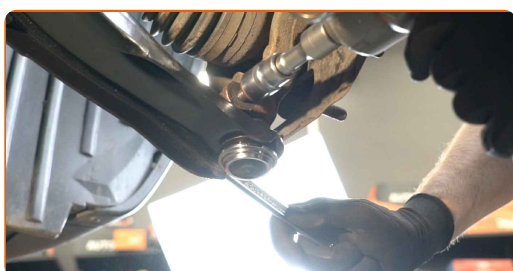
Replacement: wheel bearing – RENAULT KOLEOS (HY_). Tip from AUTODOC experts:

- 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.

14 Remove the brake disc.



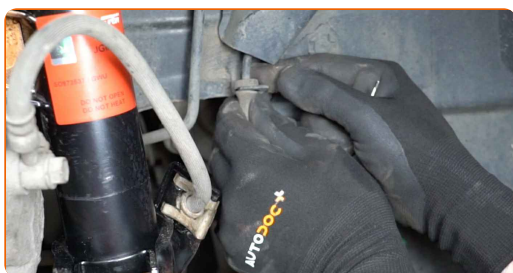
15 Unscrew the ball joint fastening to the steering knuckle. Use a combination spanner #18. Use a drive socket #18. Use a tap wrench.



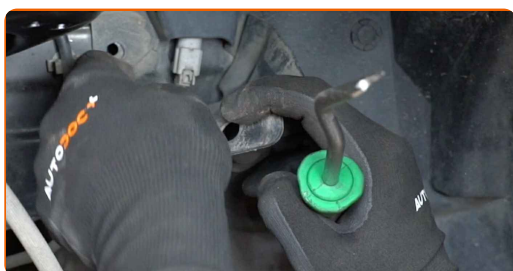
16 Remove the fastening bolt.



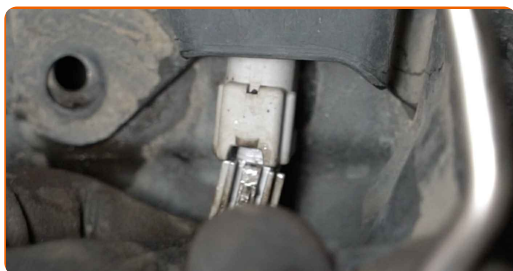
17 Disconnect the ABS sensor wiring. Use a clip removal tool.



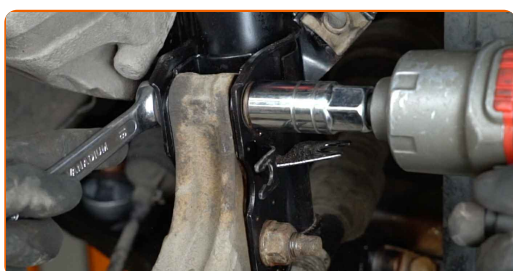
18 Remove the wheel arch cover. Use a clip removal tool.



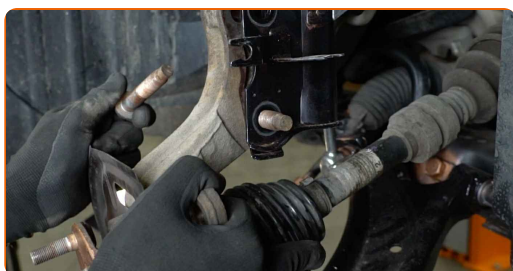
19 Detach the ABS sensor connector. Use a clip removal tool.



20 Unscrew the lower fastener connecting the shock strut to the steering knuckle. Use a combination spanner #18. Use a drive socket #21. Use a ratchet wrench.



21 Disconnect the steering knuckle from the shock absorber strut.



22 Remove the fastening bolt.



23 Remove the drive shaft. Use a pin punch. Use a hammer.



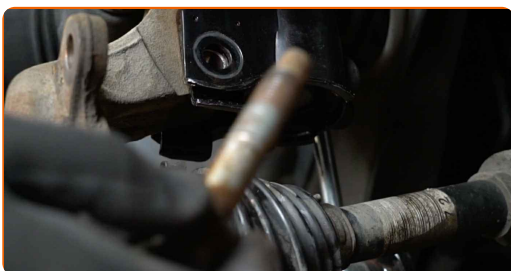
Replacement: wheel bearing – RENAULT KOLEOS (HY_). Tip:

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

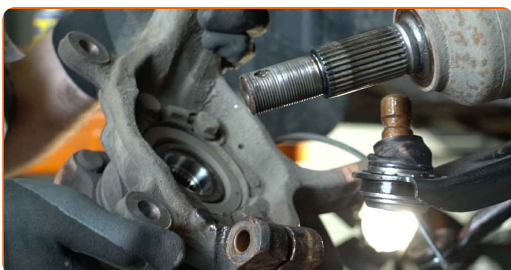
24 Remove the fastening nut.



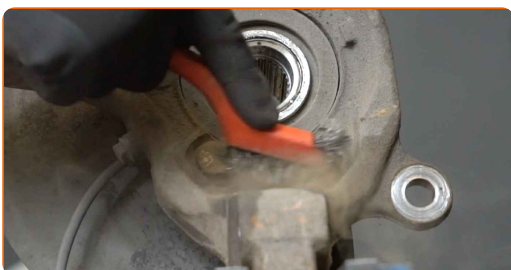
25 Remove the fastening bolt.



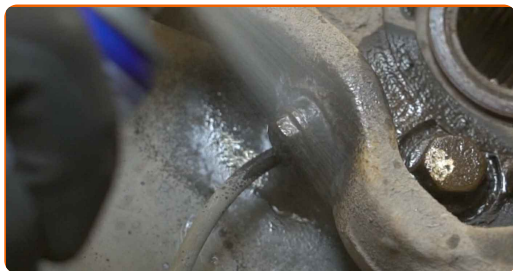
26 Remove the steering knuckle together with the hub.



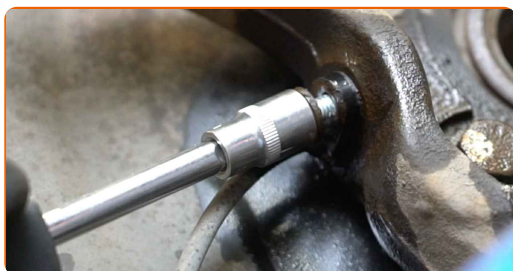
27 Clean the wheel hub fastener. Use a wire brush. Use WD-40 spray.



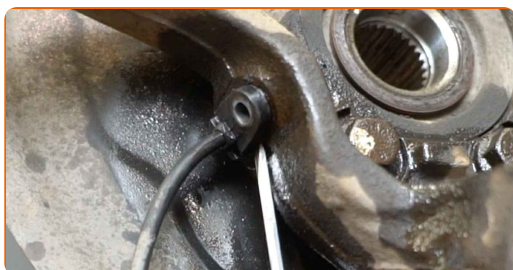
28 Clean the ABS sensor mounting seat. Use a wire brush. Use WD-40 spray.



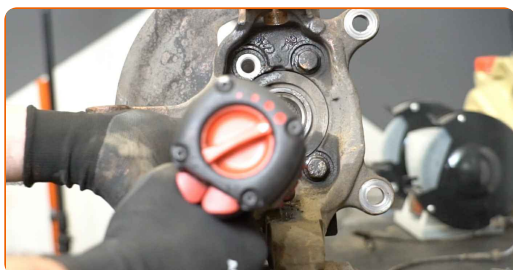
29 Unscrew the ABS sensor fastener. Use a drive socket #10. Use a ratchet wrench.



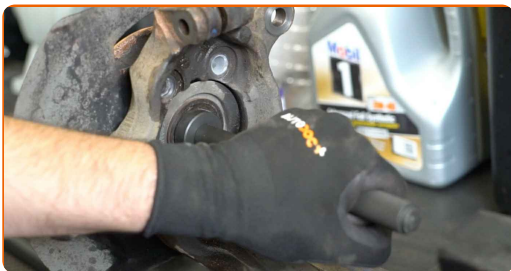
30 Disconnect the ABS sensor. Use a flat screwdriver. Use water pump pliers.



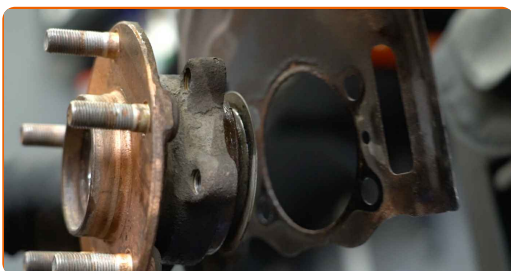
31 Unscrew the wheel hub axle nut. Use a drive socket #17. Use a ratchet wrench. Use a tap wrench.



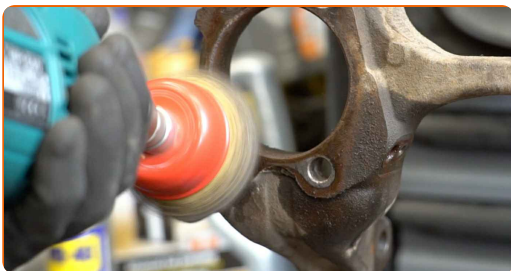
32 Remove the hub and the bearing together, since they are a sealed unit. Use a pin punch. Use a hammer.



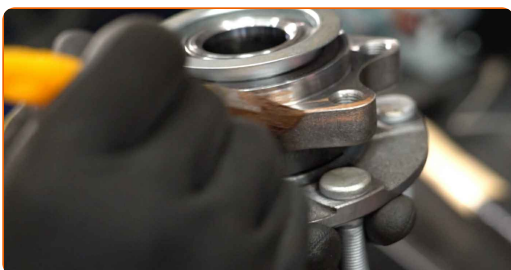
33 Remove the brake disc baffle plate.



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



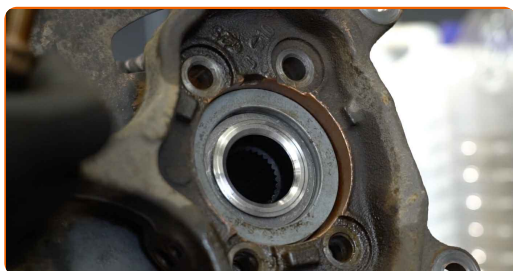
35 Apply special grease to the bearing assembly mounting seat. Use copper grease.



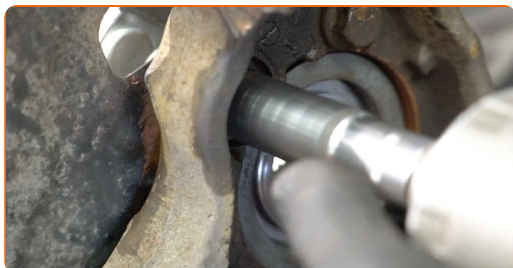
36 Install the brake disc baffle plate.



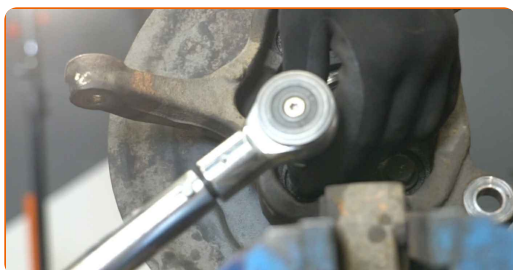
37 Install the new wheel hub with a bearing.



38 Screw the wheel hub axle nut. Use a drive socket #17. Use a ratchet wrench.



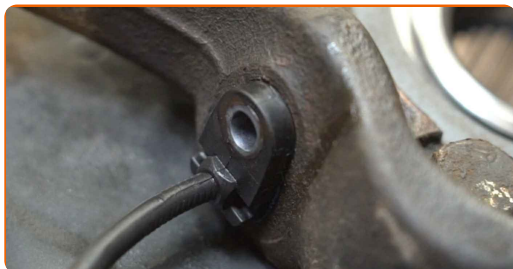
39 Tighten the hub. Use a drive socket #17. Use a torque wrench. Tighten it to 70 nm torque.



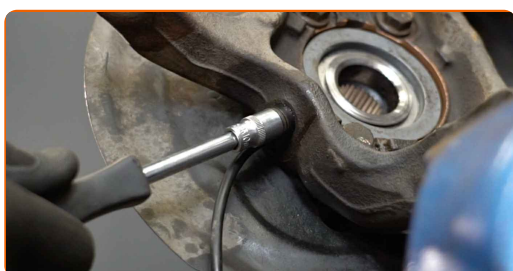
40 Treat the ABS sensor fastener. Use a multipurpose grease.



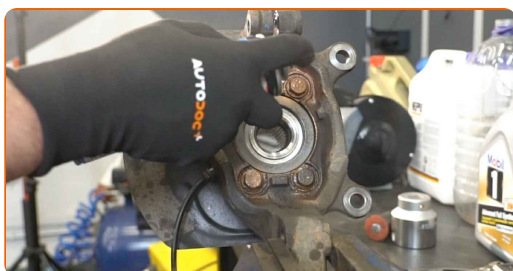
41 Connect the ABS sensor.



42 Tighten the fastener that connects the ABS sensor to the steering knuckle. Use a drive socket #10. Use a torque wrench. Tighten it to 13 nm torque.



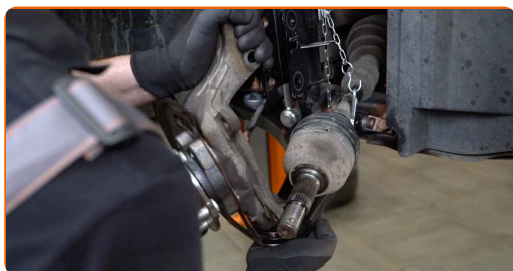
43 Treat the fasteners of the wheel hub bearing. Use copper grease.



44 Release the vice and take out the wheel hub together with the bearing.

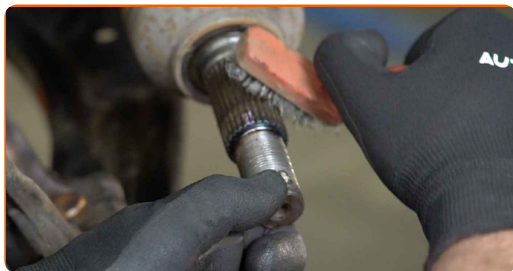


45 Install the steering knuckle with a hub in assembly.

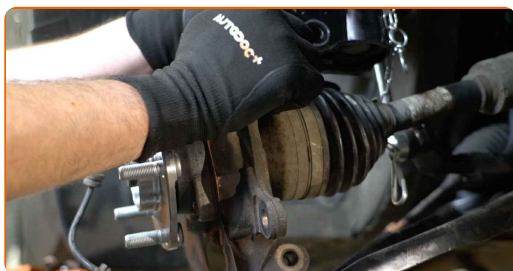


46

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

**47**

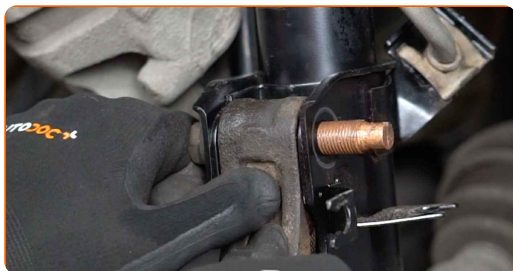
Install the drive shaft.

**48**

Fix the shock absorber strut on the steering knuckle.

**49**

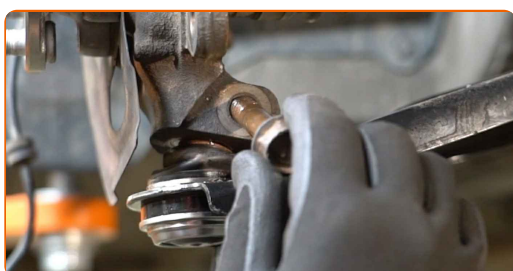
Install the fastening bolts.



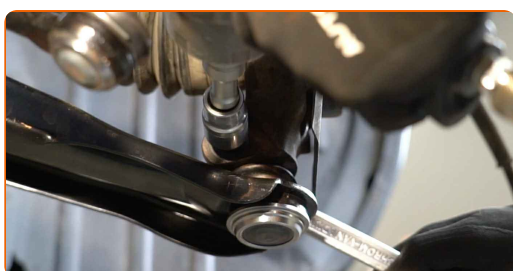
- 50 Screw in the fastener that connects the shock strut to the steering knuckle. Use a combination spanner #18. Use a drive socket #21. Use a ratchet wrench.



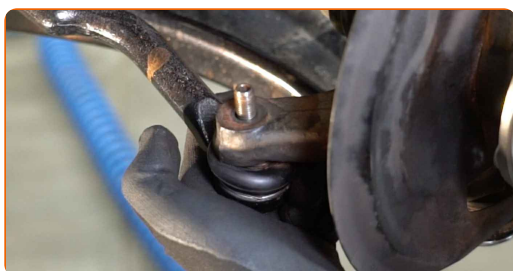
- 51 Install the fastening bolt.



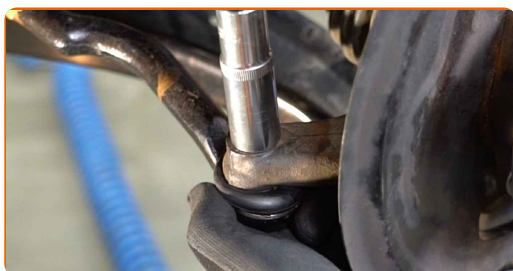
- 52 Screw the fasteners of the ball joint. Use a combination spanner #18. Use a drive socket #18. Use a tap wrench.



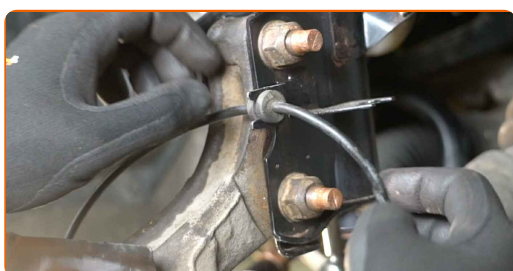
- 53 Connect the tie rod end to the steering knuckle.



- 54** Screw on the fastening nut that connects the tie rod end to the steering knuckle. Use a drive socket #17. Use a ratchet wrench.



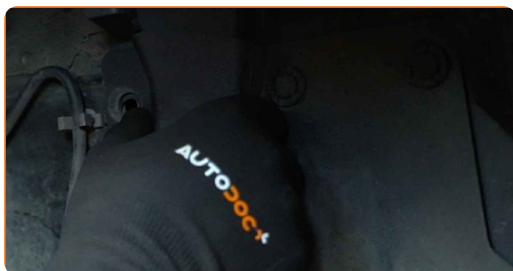
- 55** Connect the ABS sensor wiring.



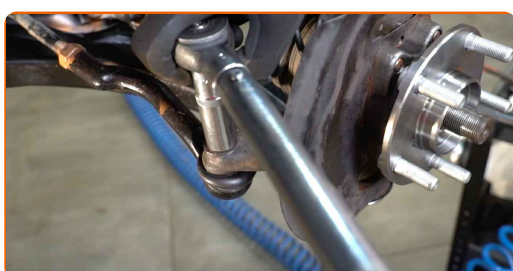
- 56** Attach the ABS sensor connector.



- 57** Install the wheel arch cover to its mounting seat.



- 58** 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 35 nm torque.



- 59 Tighten the lower fasteners connecting the shock strut to the steering knuckle. Use a combination spanner #18. Use a drive socket #21. Use a torque wrench. Tighten it to 168 Nm torque.



- 60 Clean the hub. Treat the contacting surface. Use copper grease.



- 61 Install the brake disc.



- 62 Install the brake caliper together with its bracket.



63 Tighten the brake caliper bracket. Use a drive socket #19. Use a torque wrench. Tighten it to 152 Nm torque.



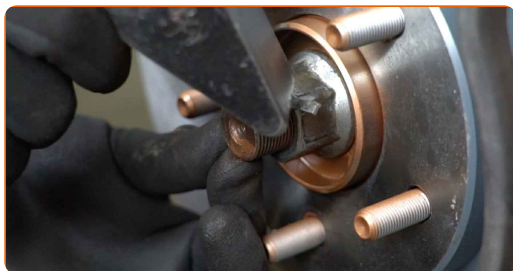
64 Install the fastening nut.



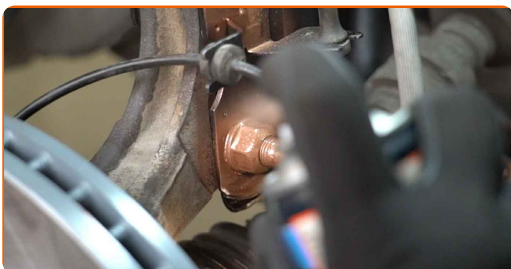
65 Tighten the drive shaft nut. Use a drive socket #32. Use a torque wrench. Tighten it to 185 nm torque.



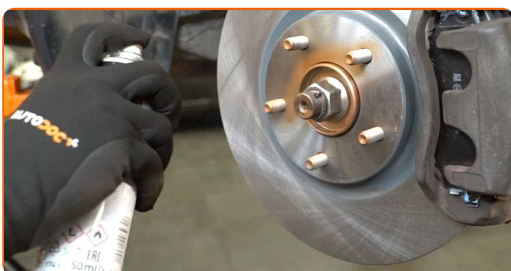
66 Install the CV axle nut cotter pin. Use a hammer.



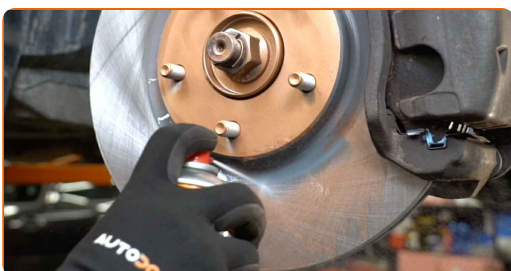
- 67** Treat the fasteners of the ball joint. Treat the fastener connecting the tie rod end to the steering knuckle. Treat the shock strut fasteners. Use copper grease.



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



- 69** Clean the brake disc surface. Use a brake cleaner.



AUTODOC recommends:

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

70 Install the wheel.



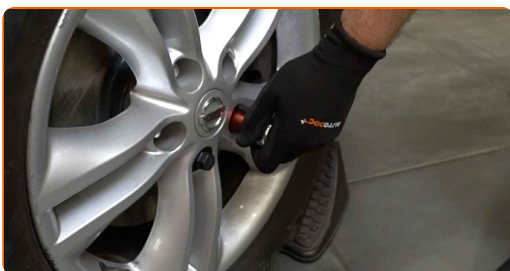
AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. RENAULT KOLEOS (HY_)

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



72 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 112 Nm torque.



73

Remove the jacks and chocks.



WELL DONE! 

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WHEEL BEARING: A WIDE SELECTION

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