



How to change front  
wheel bearing on **Nissan**  
**Qashqai J10** –  
replacement guide

## VIDEO TUTORIAL



### Important!

This replacement procedure can be used for:

NISSAN X-Trail (T31) 2.0 dCi FWD, NISSAN Qashqai / Qashqai+2 I (J10, NJ10) 1.5 dCi, NISSAN Qashqai / Qashqai+2 I (J10, NJ10) 1.6, NISSAN Qashqai / Qashqai+2 I (J10, NJ10) 2.0, NISSAN Qashqai / Qashqai+2 I (J10, NJ10) 2.0 All-wheel Drive, NISSAN Qashqai / Qashqai+2 I (J10, NJ10) 1.6 dCi All-wheel Drive, NISSAN Qashqai / Qashqai+2 I (J10, NJ10) 1.6 dCi, NISSAN Qashqai / Qashqai+2 I (J10, NJ10) 2.0 dCi, NISSAN Qashqai / Qashqai+2 I (J10, NJ10) 2.0 dCi All-wheel Drive, NISSAN X-Trail (T31) 2.0 dCi, NISSAN X-Trail (T31) 2.0, NISSAN X-Trail (T31) 2.0 dCi 4x4, NISSAN X-Trail (T31) 2.5 4x4, NISSAN X-Trail (T31) 2.0 FWD, NISSAN X-Trail (T31) 2.5, (+ 7)

The steps may slightly vary depending on the car design.

**REPLACEMENT: WHEEL BEARING – NISSAN QASHQAI J10. 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 – Nissan Qashqai J10. Professionals recommend:

- Do not re-use the bearing assembly of your Nissan Qashqai J10 car.
- The wheel hub bearing replacement procedure is identical for both wheels on the same axle.
- Please note: all work on the car – Nissan Qashqai J10 – should be done with the engine switched off.

**CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:**

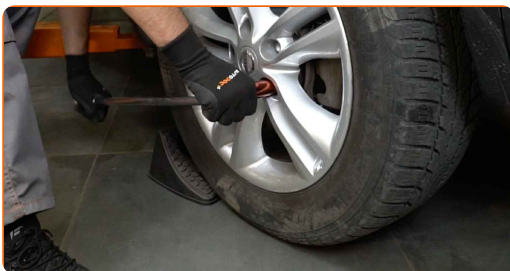
1

Secure the wheels with chocks.



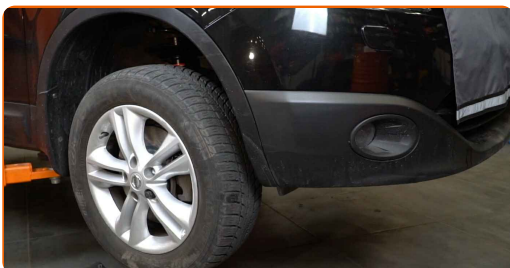
2

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



3

Raise the front of the car and secure on supports.



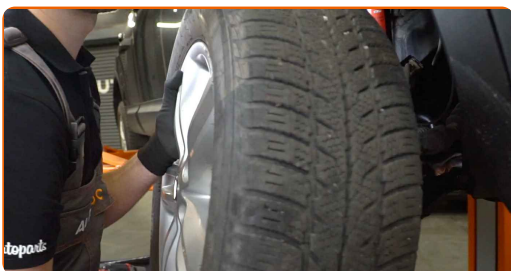
**4** Unscrew the wheel bolts.



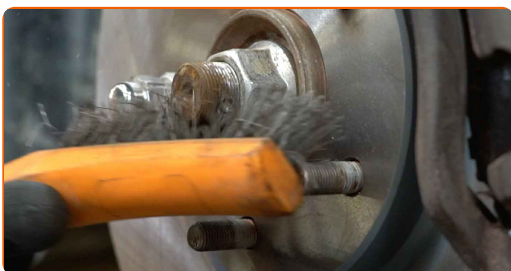
Replacement: wheel bearing – Nissan Qashqai J10. AUTODOC recommends:

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

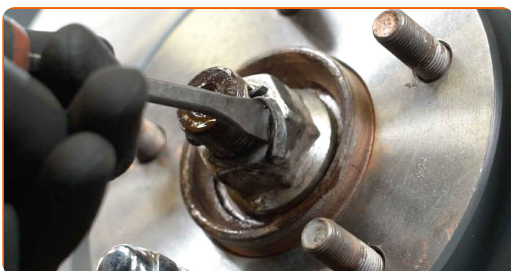
**5** Remove the wheel.



**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.



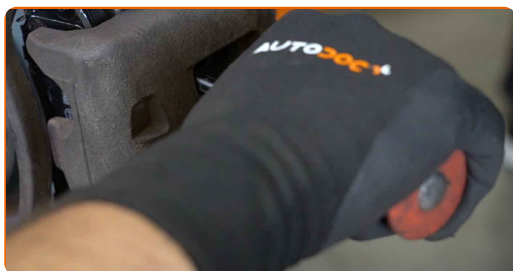
8

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



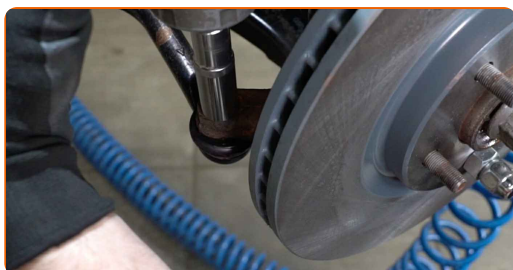
9

Spread the brake pads. Use a crowbar.



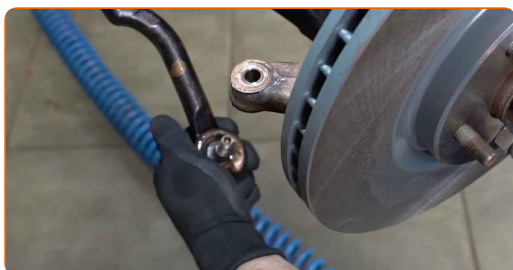
10

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



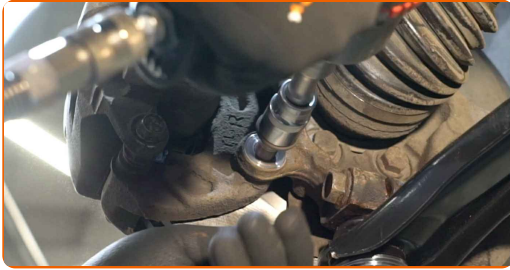
11

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.



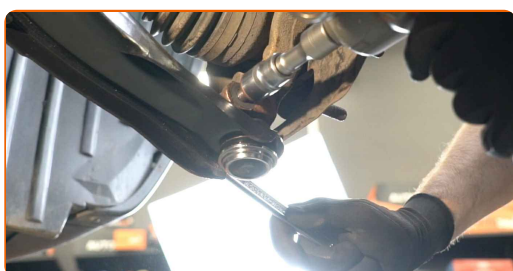
**Replacement: wheel bearing – Nissan Qashqai J10. Tip from AUTODOC experts:**

- 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.

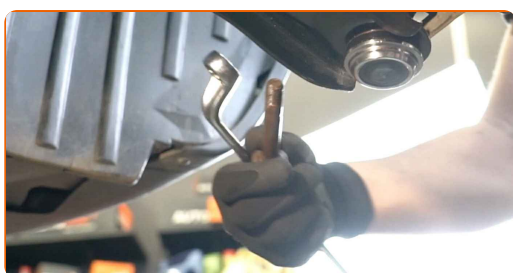
**14** Remove the brake disc.



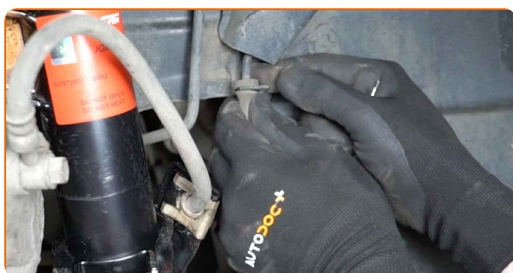
**15** Unscrew the ball joint fastening to the steering knuckle. Use a combination spanner #18. Use a drive socket #18. Use a tap wrench.



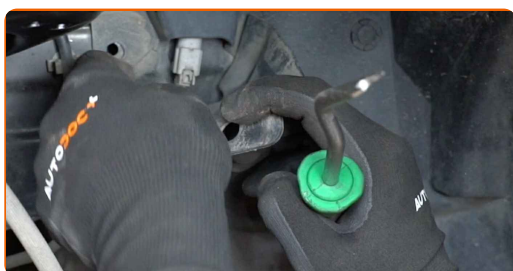
**16** Remove the fastening bolt.



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

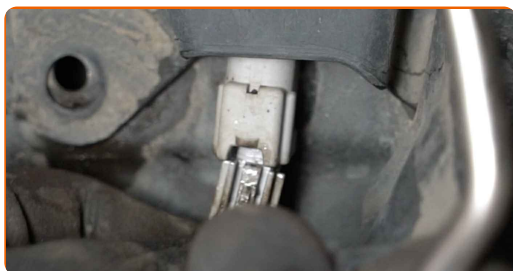


**18** Remove the wheel arch cover. Use a clip removal tool.

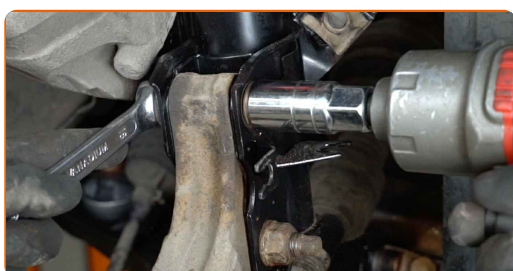




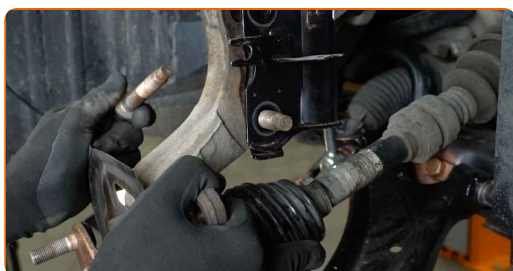
**19** Detach the ABS sensor connector. Use a clip removal tool.



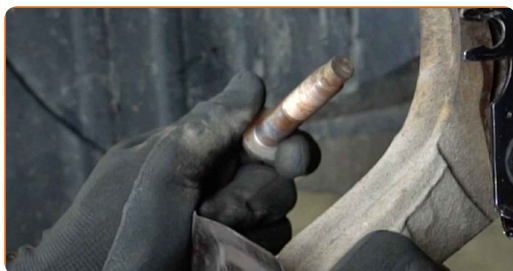
**20** Unscrew the lower fastener connecting the shock strut to the steering knuckle. Use a combination spanner #18. Use a drive socket #21. Use a ratchet wrench.



**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.



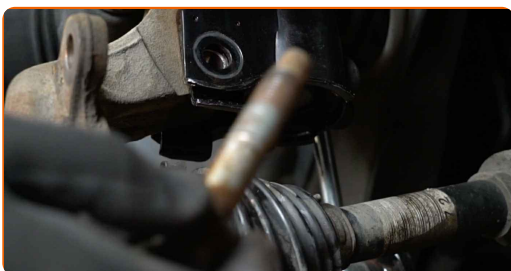
Replacement: wheel bearing – Nissan Qashqai J10. Tip:

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

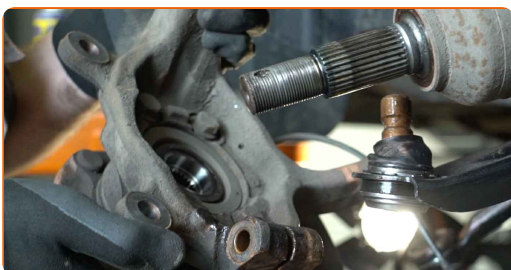
**24** Remove the fastening nut.



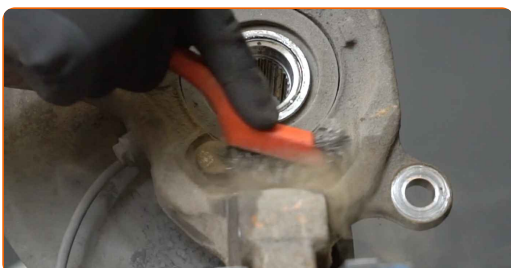
**25** Remove the fastening bolt.



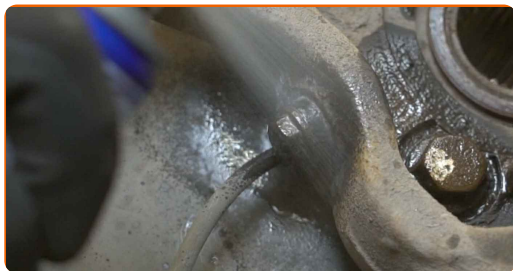
**26** Remove the steering knuckle together with the hub.



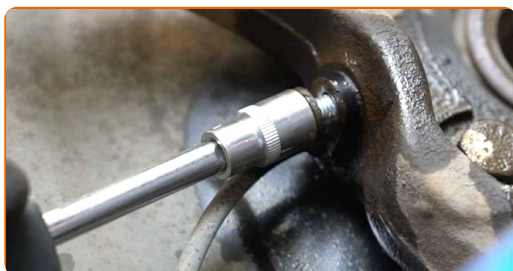
**27** Clean the wheel hub fastener. Use a wire brush. Use WD-40 spray.



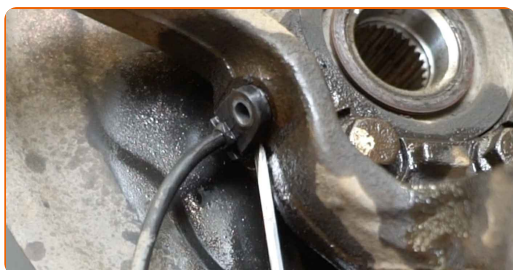
**28** Clean the ABS sensor mounting seat. Use a wire brush. Use WD-40 spray.



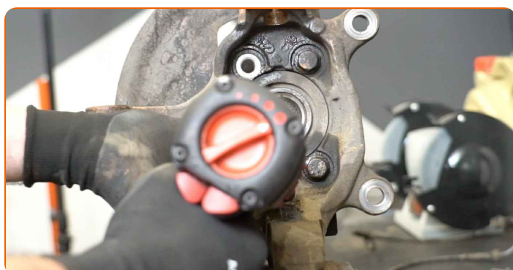
**29** Unscrew the ABS sensor fastener. Use a drive socket #10. Use a ratchet wrench.



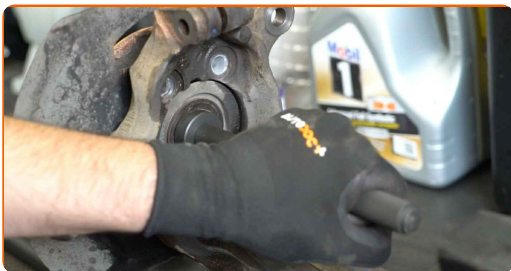
**30** Disconnect the ABS sensor. Use a flat screwdriver. Use water pump pliers.



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



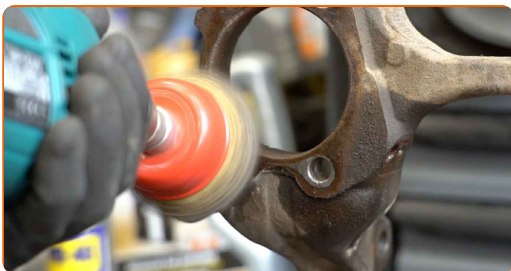
**32** Remove the hub and the bearing together, since they are a sealed unit. Use a pin punch. Use a hammer.



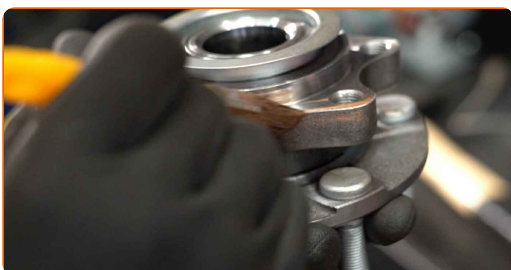
**33** Remove the brake disc baffle plate.



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



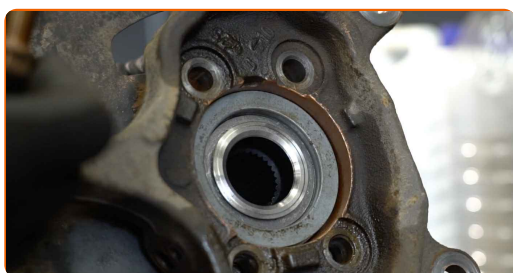
**35** Apply special grease to the bearing assembly mounting seat. Use copper grease.



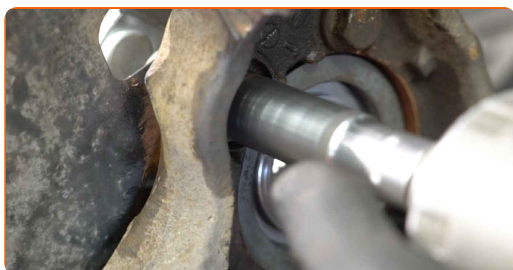
**36** Install the brake disc baffle plate.



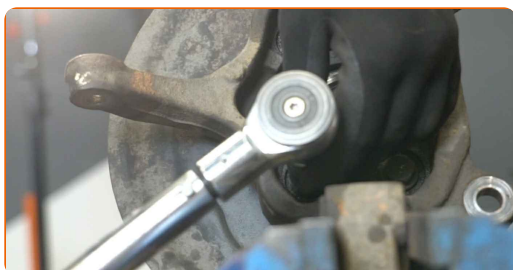
**37** Install the new wheel hub with a bearing.



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



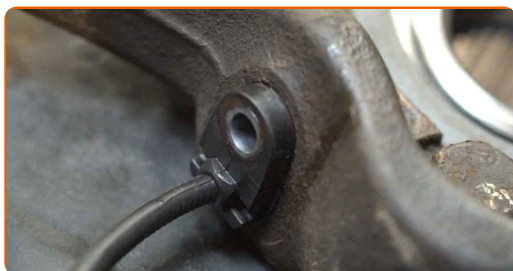
**39** Tighten the hub. Use a drive socket #17. Use a torque wrench. Tighten it to 70 nm torque.



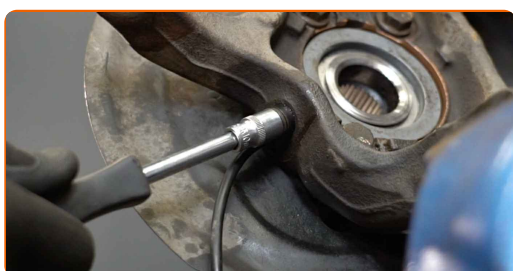
**40** Treat the ABS sensor fastener. Use a multipurpose grease.



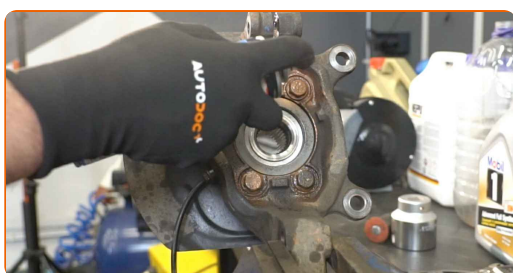
**41** Connect the ABS sensor.



**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.



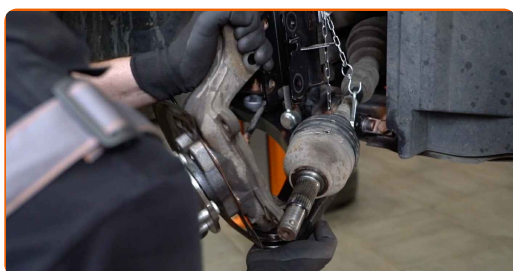
**43** Treat the fasteners of the wheel hub bearing. Use copper grease.



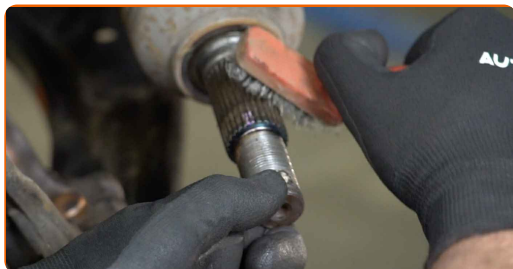
**44** Release the vice and take out the wheel hub together with the bearing.



**45** Install the steering knuckle with a hub in assembly.



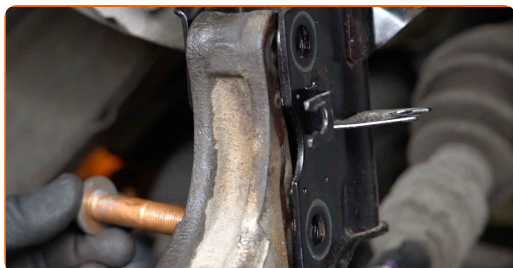
**46** Clean the splines of the drive shaft CV joint. Use a wire brush. Use WD-40 spray.



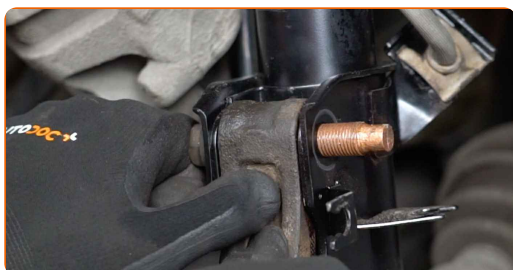
**47** Install the drive shaft.



**48** Fix the shock absorber strut on the steering knuckle.



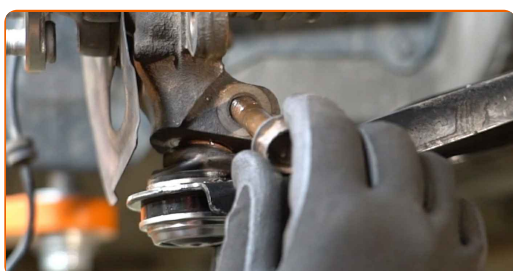
**49** Install the fastening bolts.



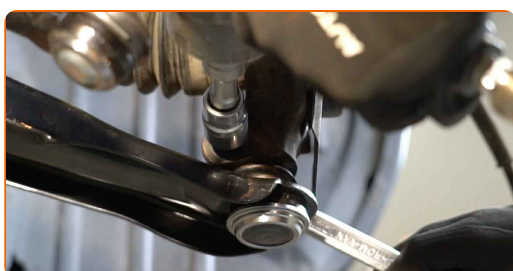
- 50 Screw in the fastener that connects the shock strut to the steering knuckle. Use a combination spanner #18. Use a drive socket #21. Use a ratchet wrench.



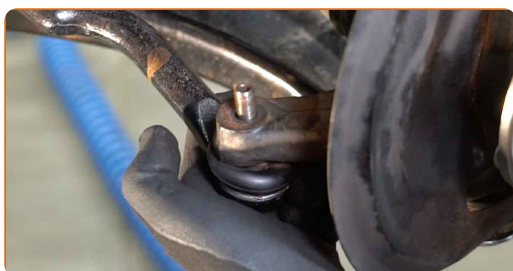
- 51 Install the fastening bolt.



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

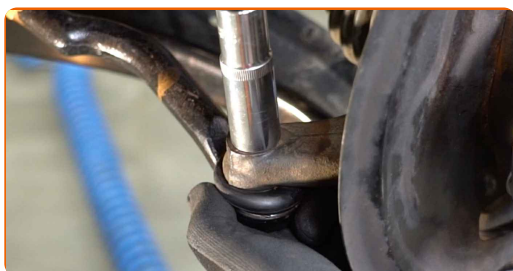


- 53 Connect the tie rod end to the steering knuckle.

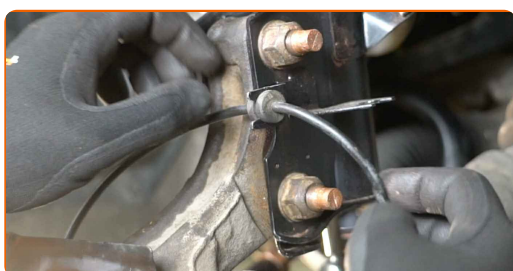




- 54 Screw on the fastening nut that connects the tie rod end to the steering knuckle. Use a drive socket #17. Use a ratchet wrench.



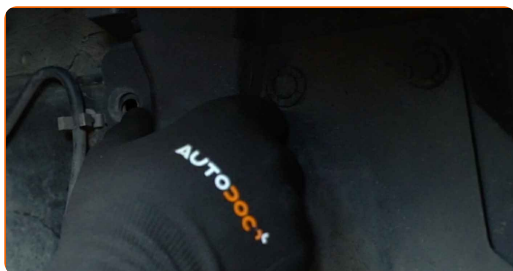
- 55 Connect the ABS sensor wiring.



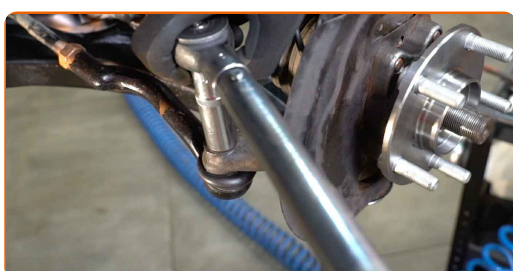
- 56 Attach the ABS sensor connector.



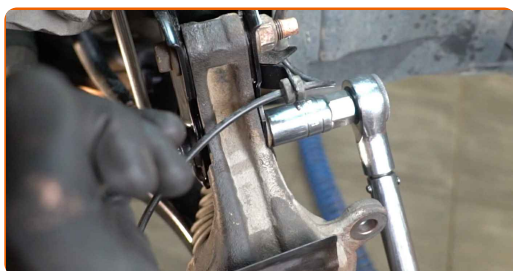
- 57 Install the wheel arch cover to its mounting seat.



- 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.



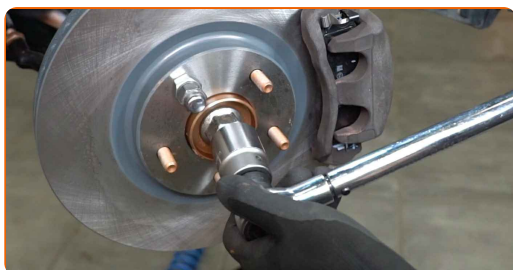
**63** Tighten the brake caliper bracket. Use a drive socket #19. Use a torque wrench. Tighten it to 152 Nm torque.



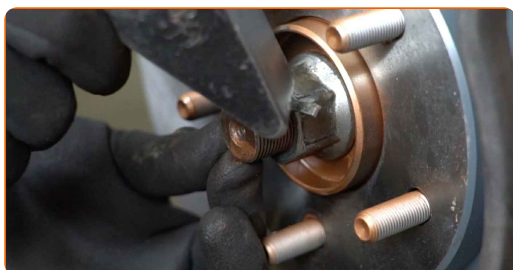
**64** Install the fastening nut.



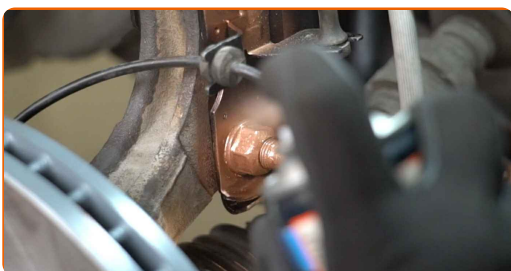
**65** Tighten the drive shaft nut. Use a drive socket #32. Use a torque wrench. Tighten it to 185 nm torque.



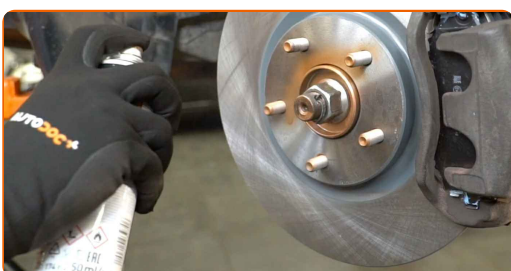
**66** Install the CV axle nut cotter pin. Use a hammer.



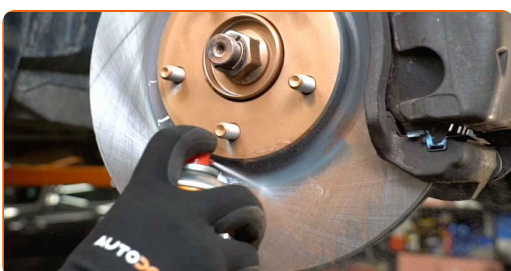
- 67 Treat the fasteners of the ball joint. Treat the fastener connecting the tie rod end to the steering knuckle. Treat the shock strut fasteners. Use copper grease.



- 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 – Nissan Qashqai J10. After applying the spray, wait a few minutes.

70

Install the wheel.



**AUTODOC recommends:**

- Important! Hold the wheel while screwing in the fastening bolts. Nissan Qashqai J10

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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