



How to change front  
brake caliper on  
**RENAULT Koleos II (HC\_)**  
– replacement guide

## SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

### Important!

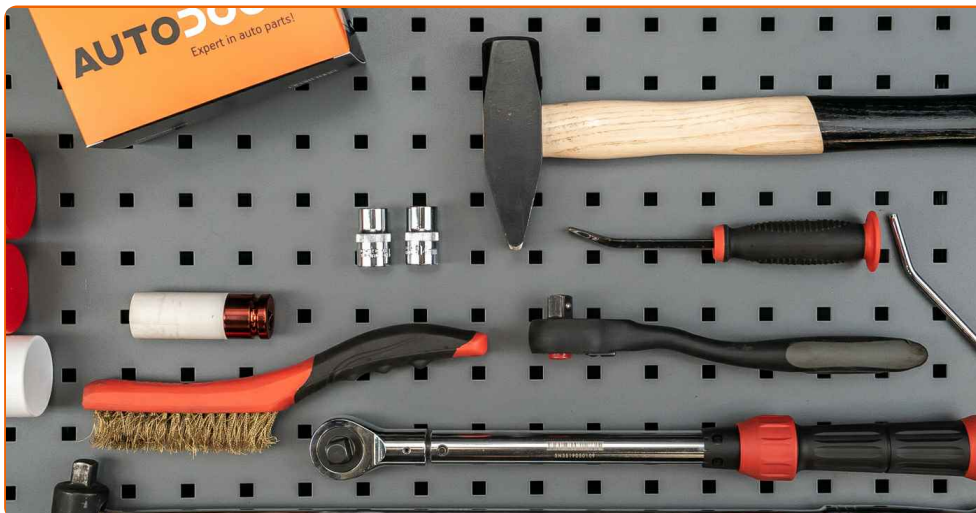
This replacement procedure can be used for:

RENAULT Koleos II (HC\_) 1.6 dCi 130, RENAULT Koleos II (HC\_) 2.5 Sce 4WD,  
RENAULT Koleos II (HC\_) 2.0 TCe, RENAULT Koleos II (HC\_) 1.3 TCe 160

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: BRAKE CALIPER – RENAULT KOLEOS II (HC\_). TOOLS YOU'LL NEED:



- Wire brush
- Brake cleaner
- Copper grease
- Combination spanner №12
- Combination spanner №14
- Drive socket # 12
- Drive socket # 14
- Wheel impact socket #21
- Ratchet wrench
- Torque wrench
- Hammer
- Crow bar
- Fluid container
- Brake hose clip
- Wheel chock

**Buy tools**

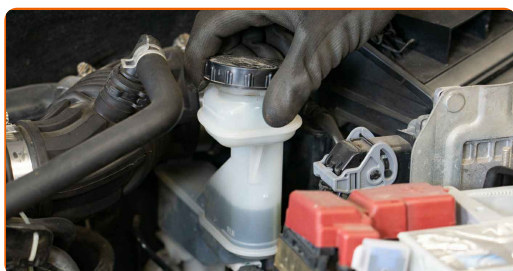
Replacement: brake caliper – RENAULT Koleos II (HC\_). Tip from AUTODOC:

- The replacement procedure is identical for the left and right brake calipers on the same axle.
- Warning! Shut down the engine before starting any work – RENAULT Koleos II (HC\_)

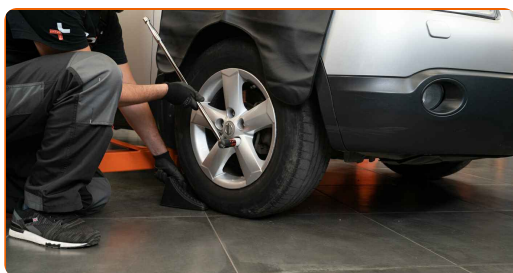
**CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:**

**1** Open the bonnet.

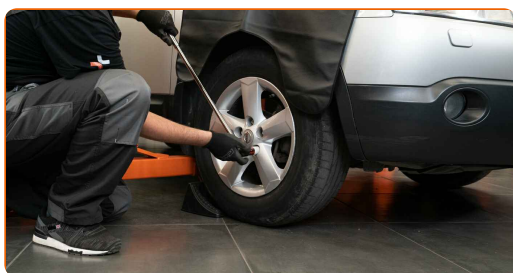
**2** Unscrew the brake fluid reservoir cap.



**3** Secure the wheels with chocks.



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



**5** Raise the front of the car and secure on supports.

**6** Unscrew the wheel bolts.



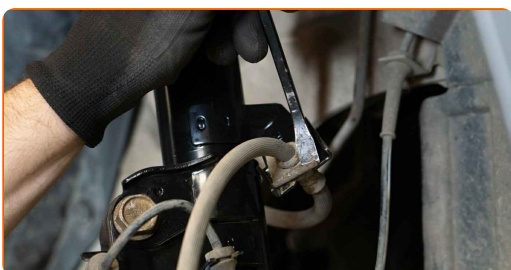
**AUTODOC recommends:**

- Important! Hold the wheel while unscrewing the fastening bolts. RENAULT Koleos II (HC\_)

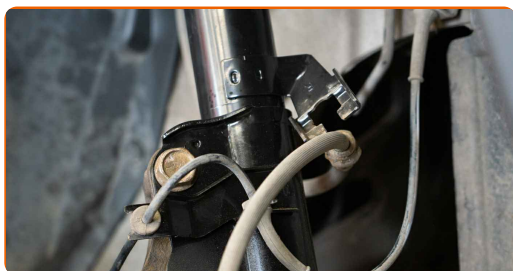
**7** Remove the wheel.



**8** Remove the fastener attaching the brake hose to the shock strut. Use a crowbar. Use a hammer.



**9** Detach the brake hose from the shock strut.



**10** Clean the area where the brake hose is connected to the caliper, and the guide pins area. Use a wire brush. Use a brake cleaner.



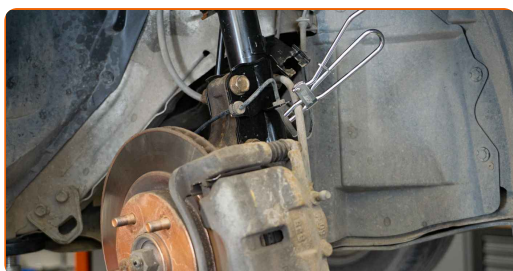
Replacement: brake caliper – RENAULT Koleos II (HC\_). Tip from AUTODOC:

- After applying the spray, wait a few minutes.

**11** Put a container for gathering brake fluid beneath.

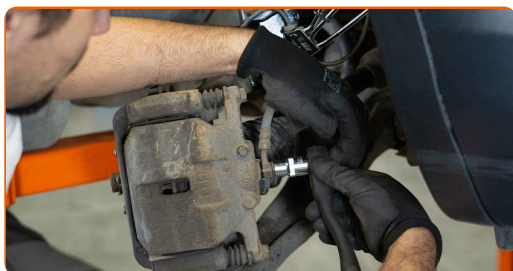


**12** Clamp the brake hose off using a brake hose clamp.



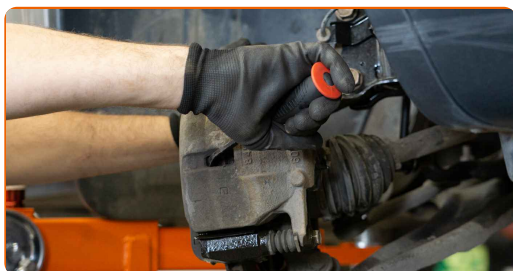
13

Unscrew the brake hose from the brake caliper. Use a drive socket #12. Use a ratchet wrench.



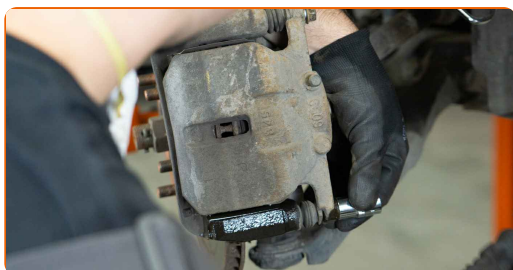
14

Spread the brake pads. Use a crowbar.



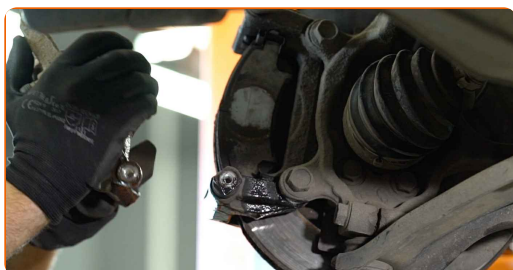
15

Unscrew the brake caliper fastening. Use a drive socket #14. Use a ratchet wrench.



16

Remove the brake caliper.



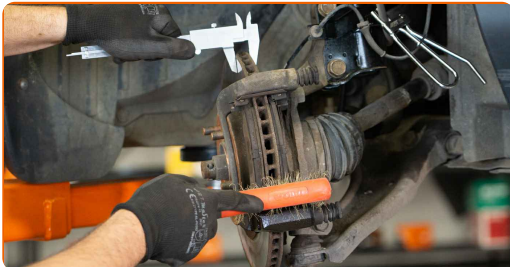


**AUTODOC recommends:**

- When replacing the brake caliper, it is recommended to check the brake hose for damages and, if necessary, to replace it with a new one.
- When replacing a brake caliper it is recommended to replace brake pads, check the state of the brake discs and replace them with new ones if necessary.

**17**

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



**Replacement: brake caliper – RENAULT Koleos II (HC\_). Tip:**

- After applying the spray, wait a few minutes.

**18**

Install the caliper.



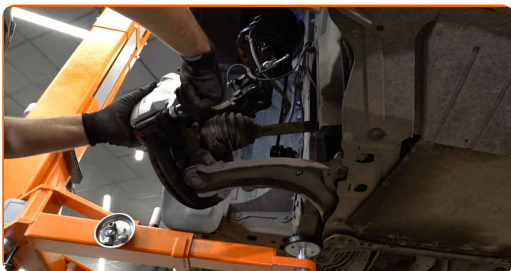


Please note!

- Install the brake caliper starting with its lower part.

19

Screw in the guide pins.

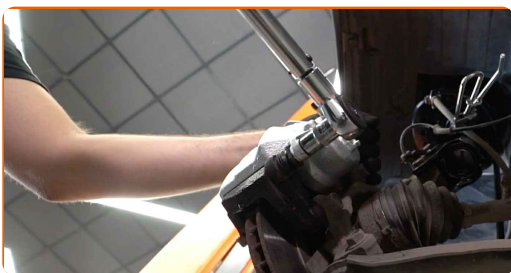


AUTODOC recommends:

- Hold up the brake caliper.

20

Tighten the guide pins. Use a drive socket #14. Use a torque wrench. Tighten it to 34 Nm torque.



21

Clean dirt from the brake hose bolt. Use a brake cleaner.

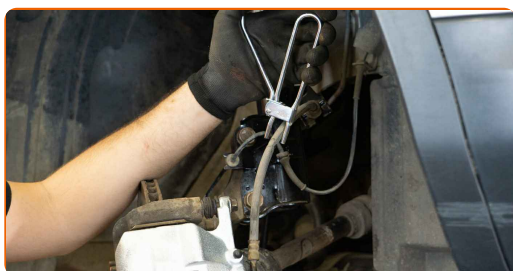
Replacement: brake caliper – RENAULT Koleos II (HC\_). Professionals recommend:

- After applying the spray, wait a few minutes.

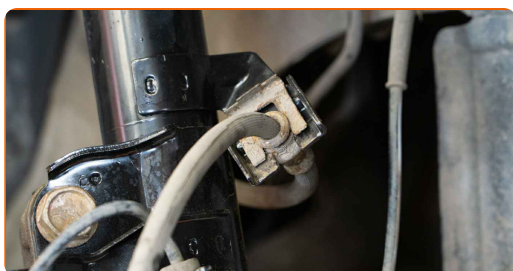
- 22** Install and fix the brake hose into a new caliper. Use a drive socket #12. Use a torque wrench. Tighten it to 18 Nm torque.



- 23** Remove the brake hose clamp.



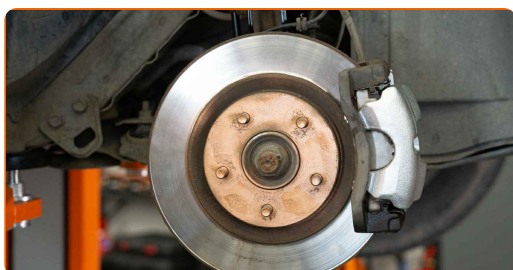
- 24** Fasten the brake hose on the strut. Install the brake hose retaining clip. Use a hammer.



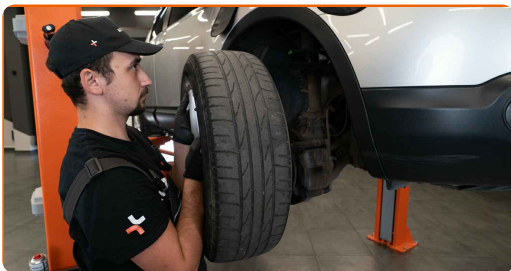
**AUTODOC recommends:**

- Bleed the brake caliper system.

- 25** Clean the hub. Use a wire brush. Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



**26** Install the wheel.



Replacement: brake caliper – RENAULT Koleos II (HC\_). Tip:

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

**27** Screw in the wheel bolts. Use wheel impact socket #21.



**28** Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 112 Nm torque.



**29** Remove the jacks and chocks.

## AUTODOC recommends:

- Important! Replacement: brake caliper – RENAULT Koleos II (HC\_). Check the brake fluid level in the reservoir and top up if necessary.

30

Tighten the brake fluid reservoir cap. Close the hood.



**WELL DONE!** 

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