



How to change front  
brake discs on **RENAULT**  
**Safrane I phase 1**  
**Hatchback (B54)** –  
replacement guide

## SIMILAR VIDEO TUTORIAL



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

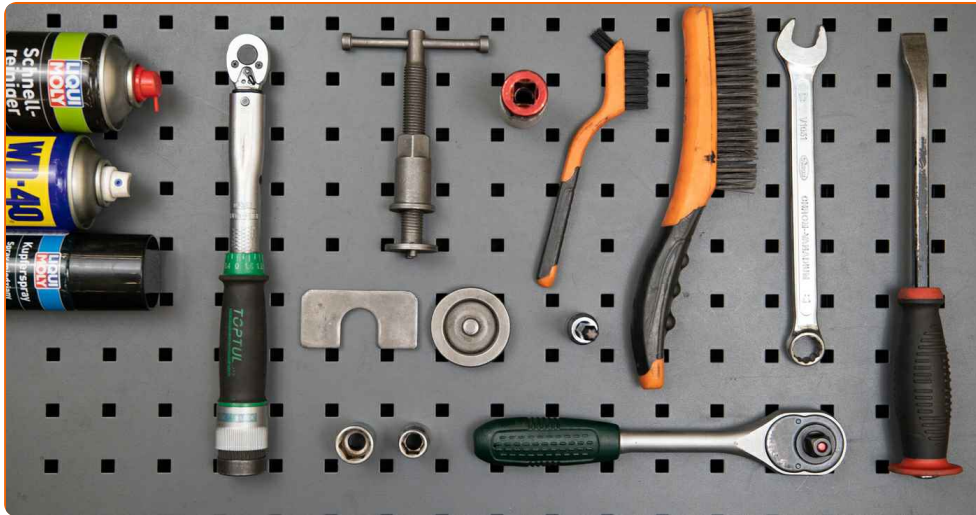
### **Important!**

This replacement procedure can be used for:  
RENAULT Safrane I phase 1 Hatchback (B54) 3.0

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: RENAULT Megane Scenic (JA) 1.6 16V

REPLACEMENT: BRAKE DISCS – RENAULT SAFRANE I  
PHASE 1 HATCHBACK (B54). LIST OF THE TOOLS  
YOU'LL NEED:



- Wire brush
- Nylon cleaning brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Torque wrench
- Combination spanner #17
- Drive socket # 13
- Drive socket # 18
- Wheel impact socket #19
- Torx bit T40
- Ratchet wrench
- Crow bar
- Brake caliper wind back tool
- Wheel chock

[Buy tools](#)

**AUTODOC recommends:**

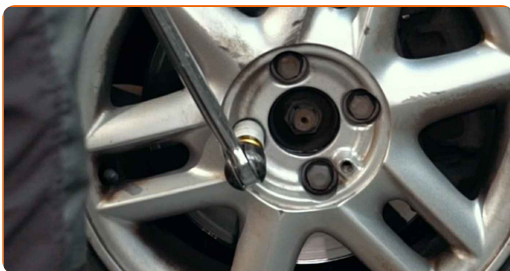
- Replace the brake disks on the car RENAULT Safrane I phase 1 Hatchback (B54) in complete set for each axis. Regardless of the state of components. This will ensure even braking.
- The replacement procedure is identical for both brake disks on the same axle.
- When changing the brake discs, always replace the brake pads.
- Please note: all work on the car – RENAULT Safrane I phase 1 Hatchback (B54) – should be done with the engine switched off.

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

**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.



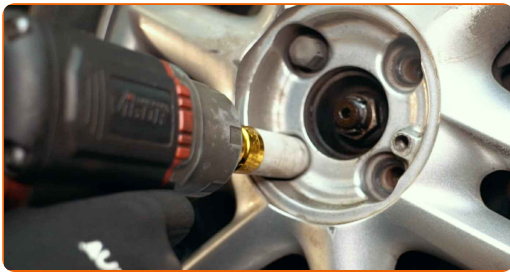
**4** Raise the car.

Replacement: brake discs – RENAULT Safrane I phase 1 Hatchback (B54).  
Professionals recommend:

- If you are using a jack, make sure it rests on a flat surface without any unevenness.
- Be sure to additionally secure the car with jack stands.

5

Unscrew the wheel bolts.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.  
RENAULT Safrane I phase 1 Hatchback (B54)

6

Remove the wheel.



7

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



8

Unscrew the brake caliper fastening. Use a combination spanner #17. Use a drive socket #13. Use a ratchet wrench.



9

Remove the brake caliper.



### 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.

10 Remove the brake pads. Use a crowbar.



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



12 Unscrew the caliper bracket fastening. Use a drive socket #18. Use a ratchet wrench.



13 Remove the caliper bracket.



14

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



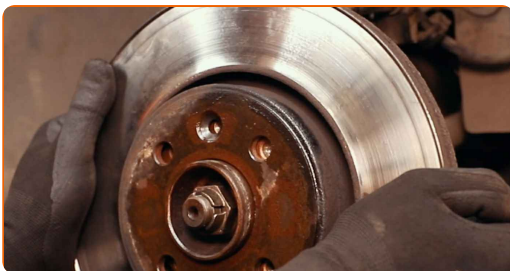
15

Unscrew the brake disc fastening. Use Torx T40. Use a ratchet wrench.



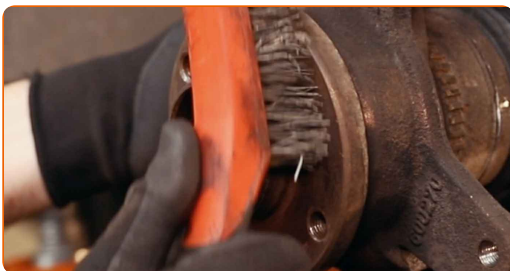
16

Remove the brake disc.



17

Clean the hub. Use a wire brush.



18

Treat the contacting surface. Use copper grease.





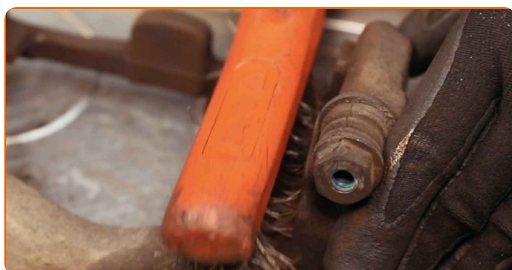
19 Install the brake disc.



20 Tighten the brake disc fastening. Use Torx T40. Use a torque wrench. Tighten it to 14 Nm torque.



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



### AUTODOC recommends:

- Replacement: brake discs – RENAULT Safrane I phase 1 Hatchback (B54). After applying the spray, wait a few minutes.
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

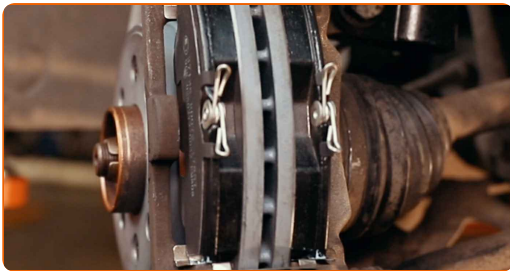
22 Install the brake caliper bracket.



23 Tighten the brake caliper bracket. Use a drive socket #18. Use a torque wrench. Tighten it to 100 Nm torque.



24 Install the brake pads.



25 Treat the brake caliper piston. Use a nylon cleaning brush. Use a brake cleaner.



**AUTODOC recommends:**

- After applying the spray, wait a few minutes.

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



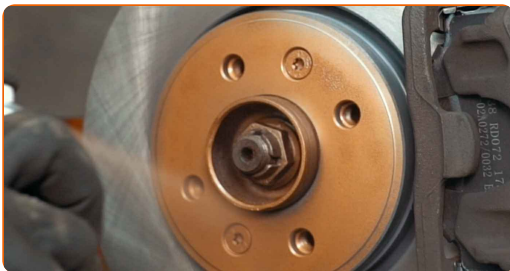
27 Install the brake caliper and fix it.



28 Tighten the brake caliper fasteners. Use a combination spanner #17. Use a drive socket #13. Use a torque wrench. Tighten it to 32 Nm torque.



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



**30** Clean the brake disk surface. Use a brake cleaner.



**AUTODOC recommends:**

- Replacement: brake discs – RENAULT Safrane I phase 1 Hatchback (B54). After applying the spray, wait a few minutes.

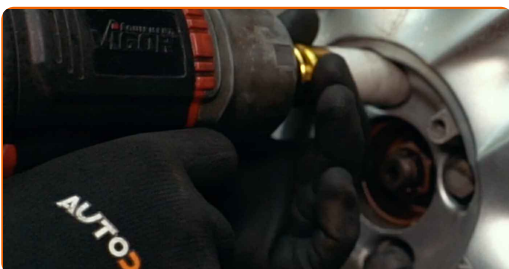
**31** Install the wheel.



**AUTODOC recommends:**

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. RENAULT Safrane I phase 1 Hatchback (B54)

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



- 33** 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 90 Nm torque.



- 34** Remove the jacks and chocks.



Replacement: brake discs – RENAULT Safrane I phase 1 Hatchback (B54).  
AUTODOC recommends:

- Without starting the engine, press the brake pedal several times until you feel significant resistance.
- Check the brake fluid level in the expansion tank and refill if necessary.

- 35** Tighten the brake fluid reservoir cap. Close the hood.

**WELL DONE!** 

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