



How to change rear
brake pads on **Volvo**
XC90 1 – replacement
guide

VIDEO TUTORIAL



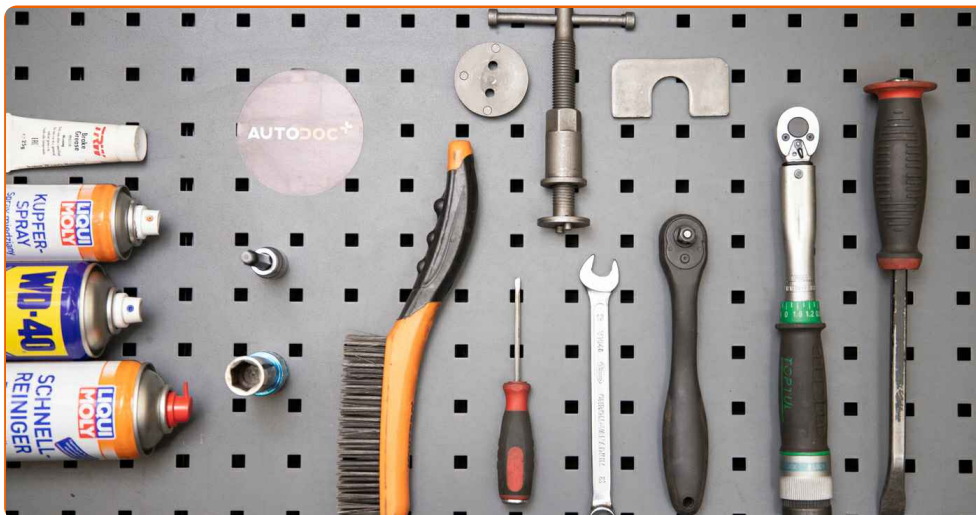
i Important!

This replacement procedure can be used for:

VOLVO XC90 I (275) 2.4 D5, VOLVO XC90 I (275) 3.2 AWD, VOLVO XC90 I (275) 2.5 T AWD, VOLVO XC90 I (275) 2.9 T6, VOLVO XC90 I (275) 4.4 V8, VOLVO XC90 I (275) 3.2, VOLVO XC90 I (275) 2.4 D5 AWD, VOLVO XC90 I (275) 2.5, VOLVO XC90 I (275) 2.5 AWD, VOLVO XC90 I (275) D5 AWD

The steps may slightly vary depending on the car design.

REPLACEMENT: BRAKE PADS – VOLVO XC90 1. TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Anti-squeal paste
- Copper grease
- HEX bit no.H7
- Wheel impact socket #19
- Ratchet wrench
- Torque wrench
- Brake caliper wind back tool
- Flat Screwdriver
- Crow bar
- Wheel chock

[BUY TOOLS](#)

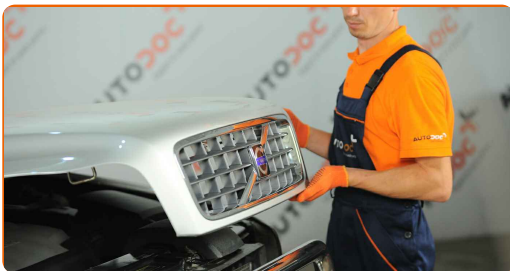
Replacement: brake pads – Volvo XC90 1. Tip from AUTODOC:

- Perform the replacement of brake pads in complete set for each axis. This provides effective braking.
- The replacement procedure is identical for all brake pads on the same axle.
- Please note: all work on the car – Volvo XC90 1 – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

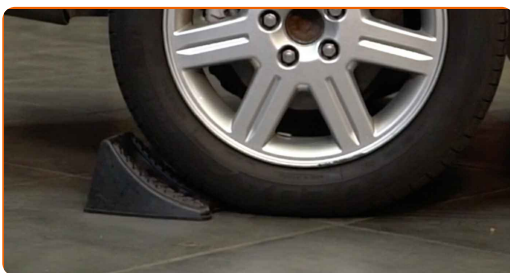
1

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 rear of the car and secure on supports.



5

Unscrew the wheel bolts.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.
Volvo XC90 1

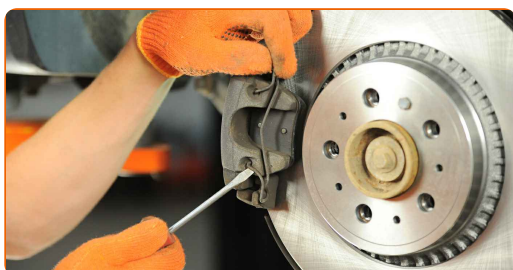
6

Remove the wheel.



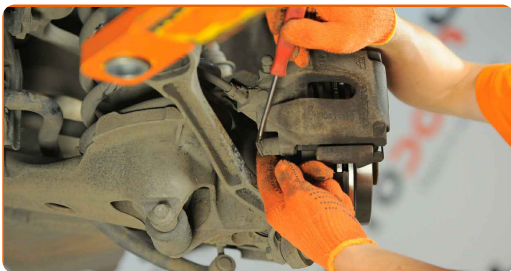
7

Detach the brake caliper retaining spring. Use a flat screwdriver.



8

Remove the dust boot caps of the brake caliper guide pins. Use a flat screwdriver.

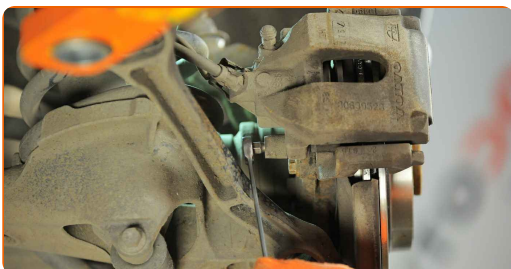


9

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

10

Unscrew the brake caliper fastening. Use HEX No.H7. Use a ratchet wrench.

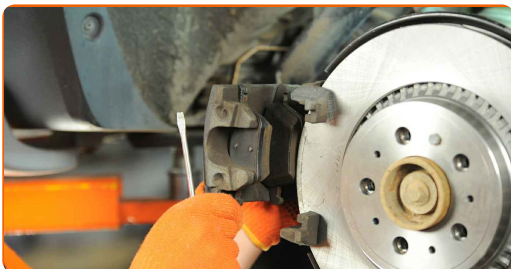


11

Spread the brake pads. Use a crowbar.

12

Remove the brake caliper. Use a flat screwdriver.

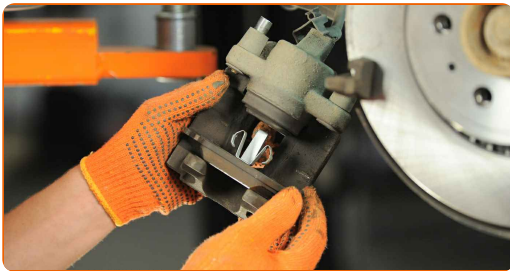


Replacement: brake pads – Volvo XC90 1. AUTODOC recommends:

- 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.
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

13

Remove the brake pads.



Replacement: brake pads – Volvo XC90 1. Professionals recommend:

- Measure the brake disc thickness. Upon reaching the wear limit the part must be replaced.

14

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

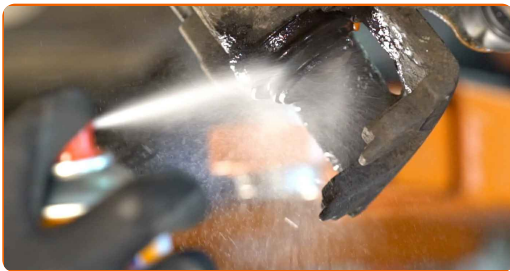


AUTODOC recommends:

- Replacement: brake pads – Volvo XC90 1. After applying the spray, wait a few minutes.

15

Treat the brake caliper piston. Use a brake cleaner.



AUTODOC recommends:

- After applying the spray, wait a few minutes.

16

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



- 17 Treat the brake pads in the area where their surface comes into contact with the brake caliper bracket. Use anti-squeal paste.



AUTODOC recommends:

- Make sure the disc surface is clean before installing the pads.

- 18 Install new brake pads.



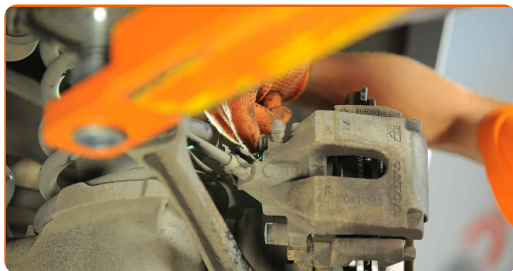
Replacement: brake pads – Volvo XC90 1. AUTODOC recommends:

- Make sure the pads are installed with linings facing the disc.

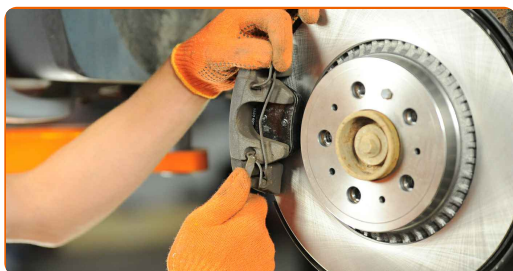
- 19 Install the brake caliper and fix it. Use HEX No.H7. Use a torque wrench. Tighten it to 28 Nm torque.



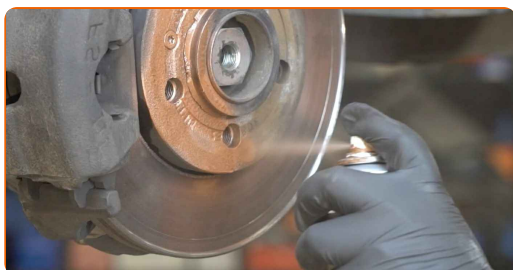
- 20 Install the dust boot caps of the brake caliper guide pins.



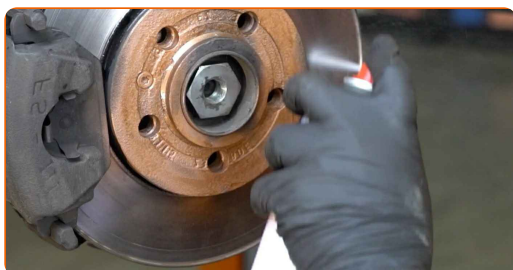
- 21 Install the brake caliper retaining spring. Use a flat screwdriver.



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



- 23 Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- Replacement: brake pads – Volvo XC90 1. After applying the spray, wait a few minutes.

24

Install the wheel.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. Volvo XC90 1

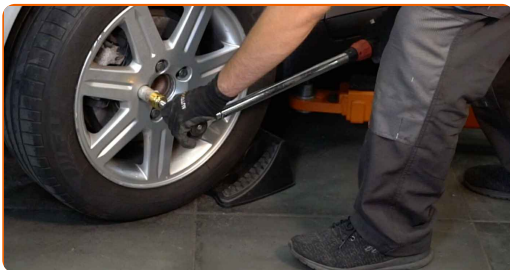
25

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



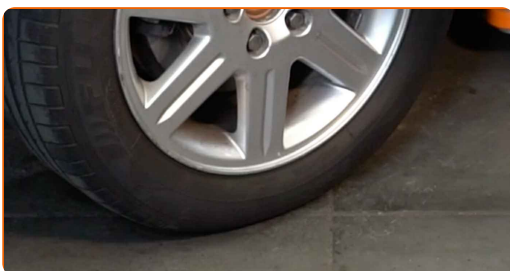
26

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 140 nm torque.



27

Remove the jacks and chocks.



Replacement: brake pads – Volvo XC90 1. Tip:

- Check the brake fluid level in the expansion tank and refill if necessary.

28

Tighten the brake fluid reservoir cap. Close the hood.



AUTODOC recommends:

- Without starting the engine, press the brake pedal several times until you feel significant resistance.
- Slow down smoothly for first 150-200 km after the brake pads replacement. Avoid unnecessary and sharp braking to a stop.

WELL DONE! 

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