



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

VIDEO TUTORIAL

** 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) D5 AWD

The steps may slightly vary depending on the car design.

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



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #13
- HEX bit no.H7
- Drive socket # 10
- Wheel impact socket #19
- Ratchet wrench
- Torque wrench
- Brake caliper wind back tool
- Flat Screwdriver
- Rubber mallet
- Crow bar
- Wheel chock

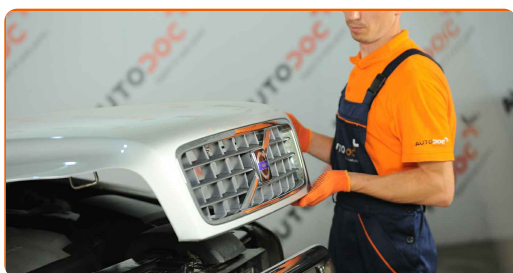
BUY TOOLS

AUTODOC recommends:

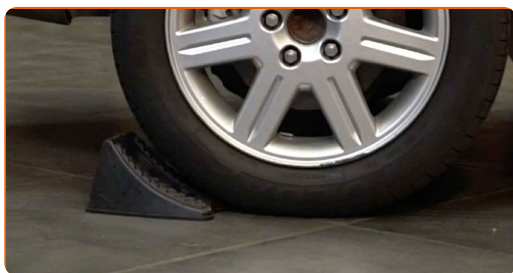
- Replace the brake disks on the car Volvo XC90 1 in complete set for each axis. Regardless of the state of components. This will ensure even braking.
- The replacement procedure is identical for both brake disks on the same axle.
- When changing the brake discs, always replace the brake pads.
- Please note: all work on the car – 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.



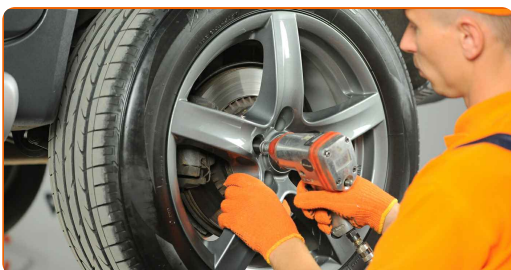
3 Loosen the wheel mounting bolts. Use wheel impact socket #19.



4 Raise the rear of the car and secure on supports.



5 Unscrew the wheel bolts.



AUTODOC recommends:

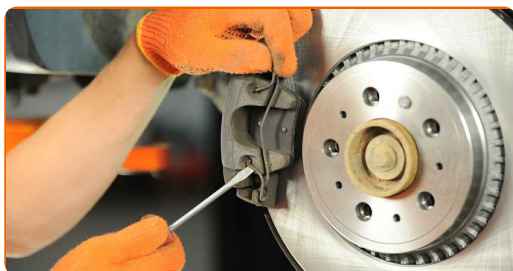
- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.
Volvo XC90 1

6 Remove the wheel.



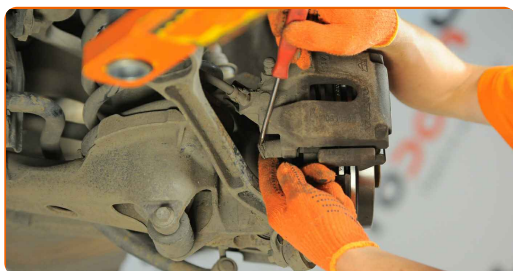
7

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.

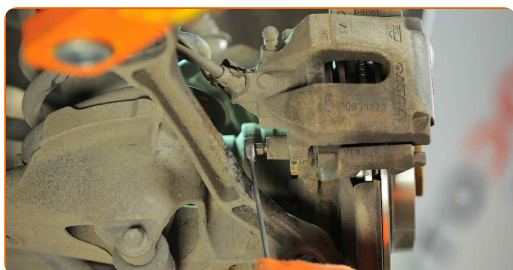


9

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.

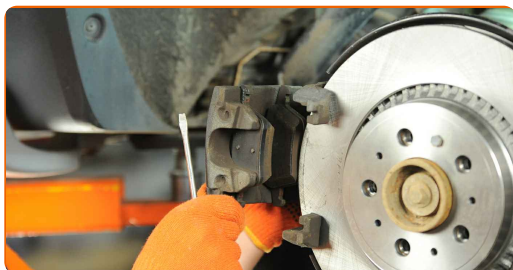


11

Spread the brake pads. Use a crowbar.

12

Remove the brake caliper. Use a flat screwdriver.



Replacement: brake discs – Volvo XC90 1. Tip:

- 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.

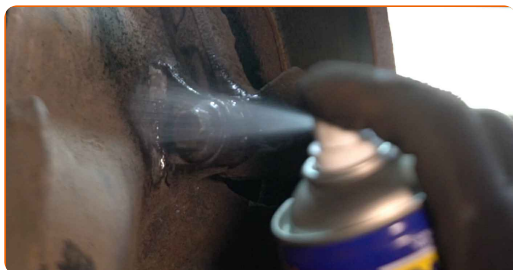
13

Remove the brake pads.



14

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



15

Unscrew the caliper bracket fastening. Use a combination spanner #13.



16

Remove the caliper bracket.



17

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

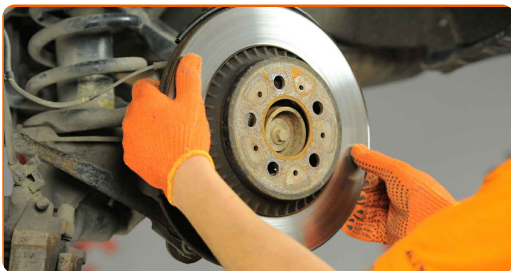


18

Unscrew the brake disc fastening. Use a drive socket #10. Use a ratchet wrench.



19 Remove the brake disc. Use a rubber mallet.



20 Clean the hub. Use a wire brush. Treat the contacting surface. Use copper grease.



21 Install the brake disc.



22 Tighten the brake disc fastening. Use a drive socket #10. Use a torque wrench. Tighten it to 11 Nm torque.



23

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

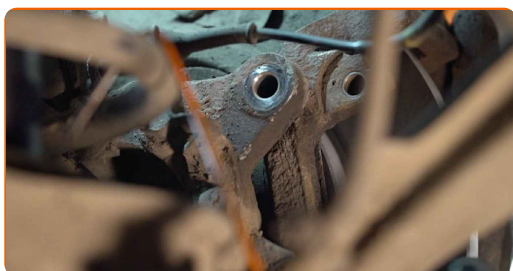


AUTODOC recommends:

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

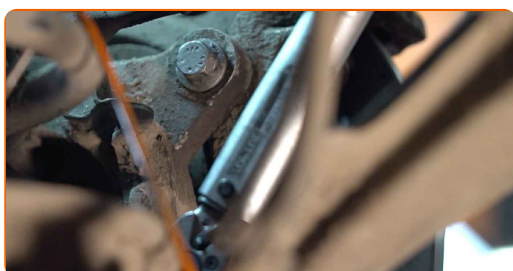
24

Install the brake caliper bracket.



25

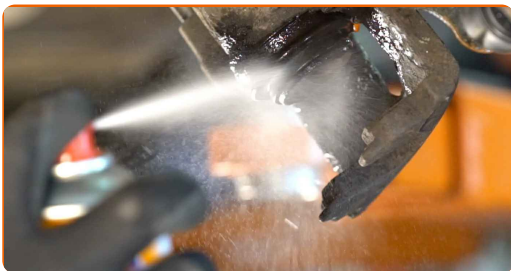
Tighten the brake caliper bracket. Use a combination spanner #13. Use a torque wrench. Tighten it to 35 Nm torque.+60°



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

- Important! Be sure to use new fasteners.

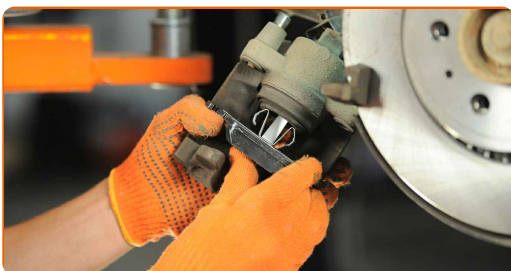
26 Treat the brake caliper piston. Use a brake cleaner.



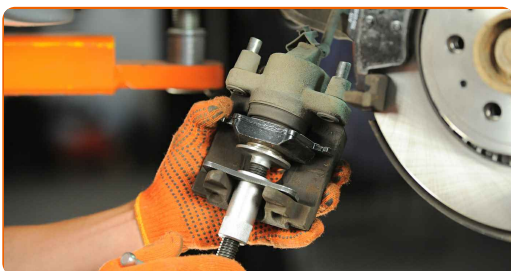
AUTODOC recommends:

- After applying the spray, wait a few minutes.

27 Install the brake pads.



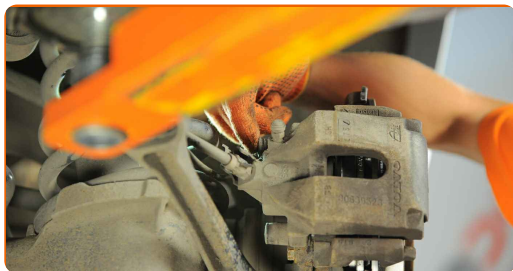
28 Press in the brake caliper piston. Use brake caliper wind back tool.



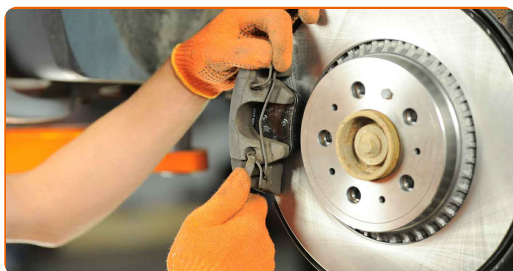
29 Install the brake caliper and fix it. Use HEX No.H7. Use a torque wrench. Tighten it to 28 Nm torque.



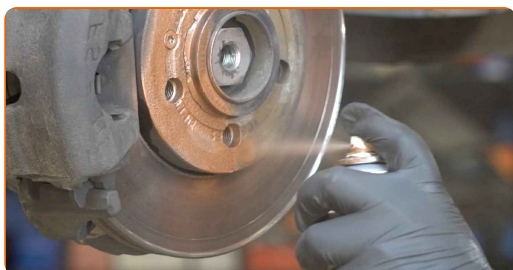
30 Install the dust boot caps of the brake caliper guide pins.



31 Install the brake caliper retaining spring. Use a flat screwdriver.



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



33 Clean the brake disc surface. Use a brake cleaner.



AUTODOC recommends:

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

34 Install the wheel.



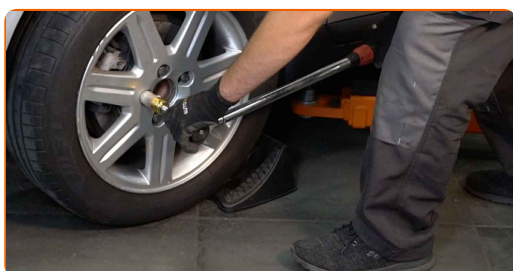
AUTODOC recommends:

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

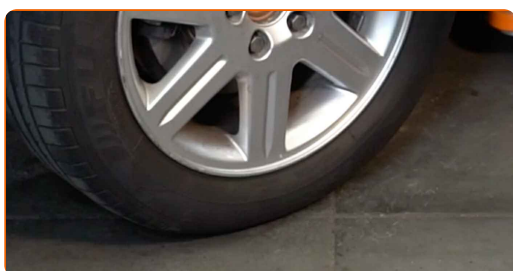
35 Screw in the wheel bolts. Use wheel impact socket #19.



36 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.



37 Remove the jacks and chocks.



Replacement: brake discs – Volvo XC90 1. Tip:

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

38

Tighten the brake fluid reservoir cap. Close the hood.



Replacement: brake discs – Volvo XC90 1. AUTODOC experts recommend:

- Without starting the engine, press the brake pedal several times until you feel significant resistance.

WELL DONE! 

[VIEW MORE TUTORIALS](#)

AUTODOC – TOP QUALITY AND AFFORDABLE CAR PARTS ONLINE

AUTODOC MOBILE APP: GREAT DEALS AND CONVENIENT SHOPPING



+ AUTODOC

GET IT ON
Google Play

Download on the
App Store

Download

A GREAT SELECTION OF SPARE PARTS FOR YOUR CAR

BUY SPARE PARTS FOR VOLVO

BRAKE DISCS: A WIDE SELECTION

CHOOSE CAR PARTS FOR VOLVO XC90 1

BRAKE DISCS FOR VOLVO: BUY NOW

BRAKE DISCS FOR VOLVO XC90 1: THE BEST DEALS & OFFERS

DISCLAIMER:

The document contains only general recommendations that may be useful for you when you perform repair or replacement work. AUTODOC shall not be liable for any loss, injury, damage of property occurring in the repair or replacement process due to incorrect use or misinterpretation of the provided information.

AUTODOC shall not be liable for any possible mistakes and uncertainties in this guide. The information provided is for information purposes only and cannot replace advice from specialists.

AUTODOC shall not be liable for incorrect or hazardous usage of equipment, tools and car parts. AUTODOC strongly recommends to be careful and observe the safety rules when performing repair or replacement works. Remember: usage of low quality auto parts does not guarantee you the appropriate level of road safety.

© Copyright 2023 – All the contents of this website, in particular texts, photographs and graphics, are protected by copyright. All rights, including reproduction, publication, editing and translation rights, are reserved by AUTODOC SE.