



How to change rear
brake discs on **VOLVO**
S80 II (124) –
replacement guide

SIMILAR VIDEO TUTORIAL



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

Important!

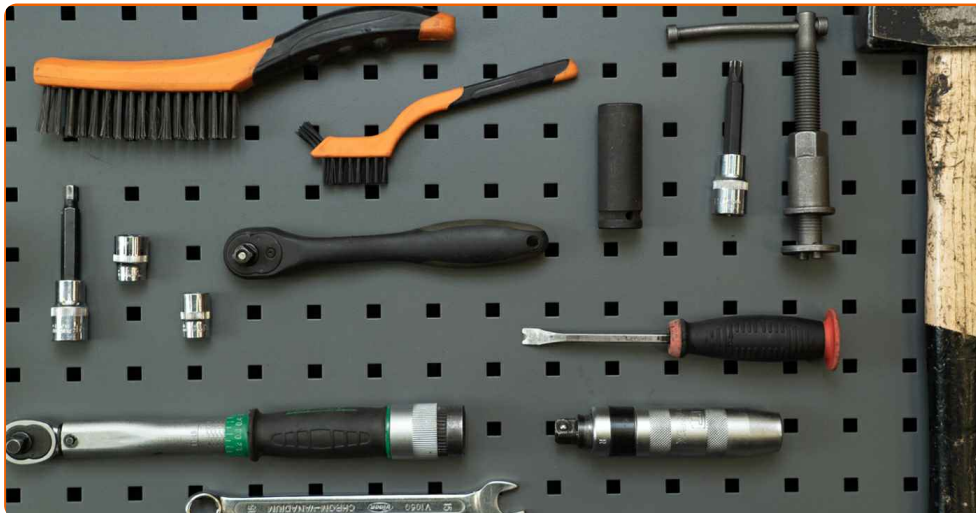
This replacement procedure can be used for:

VOLVO S80 II (124) 1.6 T4, VOLVO S80 II (124) 2.0 T5, VOLVO S80 II (124) 3.0 T6 AWD, VOLVO S80 II (124) 2.0 D3 / D4, VOLVO S80 II (124) 3.2 AWD, VOLVO S80 II (124) 3.2, VOLVO S80 II (124) 1.6 DRIVe, VOLVO S80 II (124) 2.4 D5 AWD, VOLVO S80 II (124) 2.4 D5, VOLVO S80 II (124) 1.6 T4F, VOLVO S80 II (124) 4.4 V8 AWD, VOLVO S80 II (124) 2.5 T, VOLVO S80 II (124) 2.4 D, VOLVO S80 II (124) 2.5 T FlexFuel, VOLVO S80 II (124) 2.0 FlexFuel, (+ 6)

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: VOLVO V70 III (135) 2.0 FlexiFuel

REPLACEMENT: BRAKE DISCS – VOLVO S80 II (124).
 TOOLS YOU'LL NEED:



- Wire brush
- Nylon cleaning brush
- WD-40 spray
- Brake cleaner
- Anti-squeal paste
- Ceramic grease
- Torque wrench
- Combination spanner #15
- Drive socket # 13
- Drive socket # 15
- Torx bit T50
- Wheel impact socket #19
- Ratchet wrench
- Tap wrench
- Brake caliper wind back tool
- Hammer
- Impact screwdriver
- Wheel chock

Buy tools

Replacement: brake discs – VOLVO S80 II (124). AUTODOC experts recommend:

- Replace the brake disks on the car VOLVO S80 II (124) in pairs on an axle, regardless of the condition of the 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.
- Warning! Shut down the engine before starting any work – VOLVO S80 II (124).

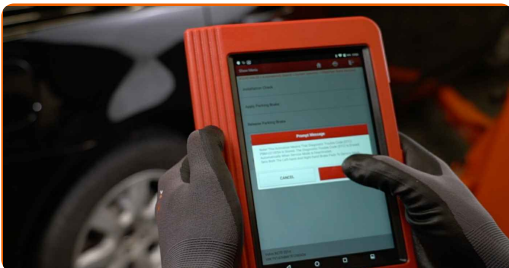
CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Open the bonnet.

2 Unscrew the brake fluid reservoir cap.



3 Put the parking brake system into service mode.



4 Secure the wheels with chocks.

5

Loosen the wheel bolts. Use wheel impact socket #19. Use a tap wrench.



6

Raise the car.

Replacement: brake discs – VOLVO S80 II (124). Tip:

- 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.

7

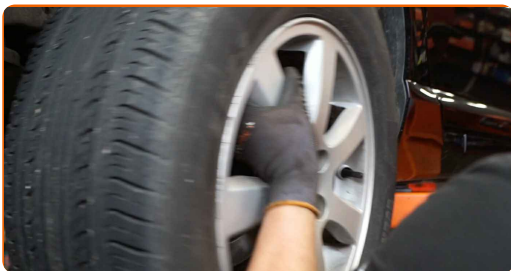
Unscrew the wheel bolts.



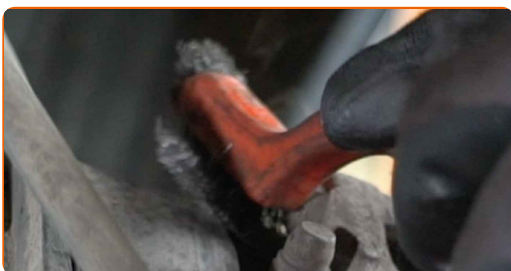
AUTODOC recommends:

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

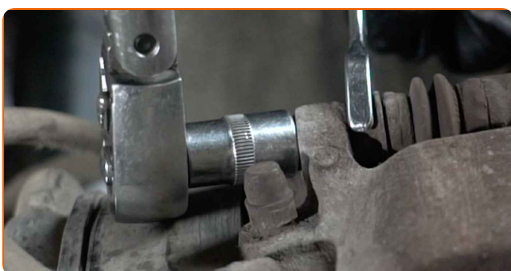
8 Remove the wheel.



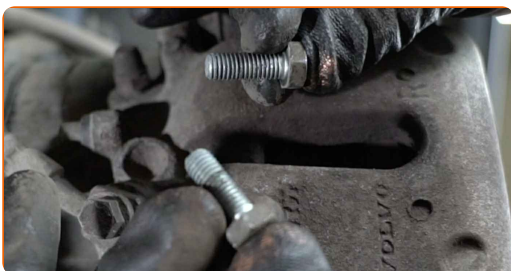
9 Clean the brake caliper fasteners. Use a wire brush. Use WD-40 spray.



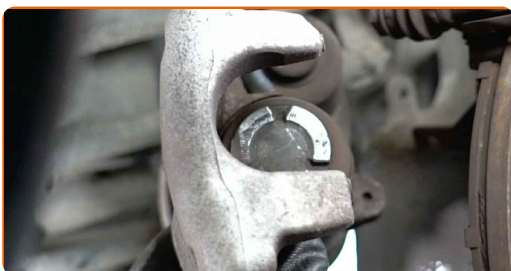
10 Unscrew the brake caliper fasteners. Use a combination spanner #15. Use a drive socket #13. Use a ratchet wrench.



11 Remove the fastening bolts.



12 Remove the brake caliper.



Replacement: brake discs – VOLVO S80 II (124). AUTODOC experts recommend:

- 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.

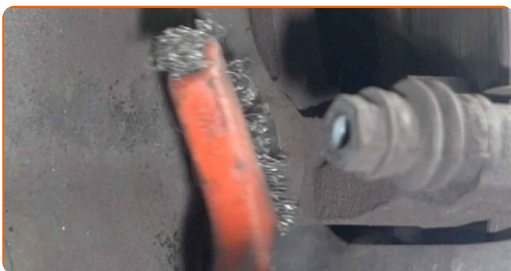
13

Remove the brake pads.

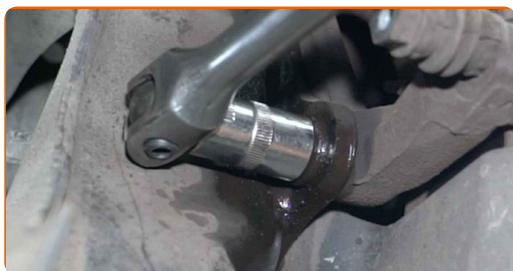


14

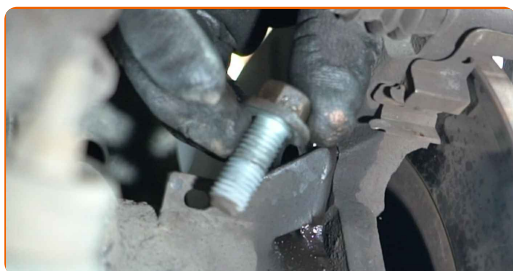
Clean the brake caliper bracket fasteners. Use a wire brush. Use WD-40 spray.



15 Unscrew the brake caliper bracket fasteners. Use a drive socket #15. Use a ratchet wrench.



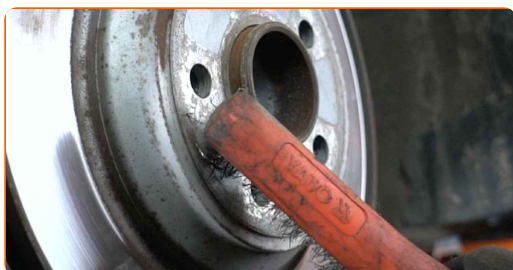
16 Remove the fastening bolts.



17 Remove the brake caliper bracket.



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



19

Unscrew the brake disc fasteners. Use Torx T50. Use an impact screwdriver. Use a hammer.



20

Remove the fastening bolt.



21

Remove the brake disc.



22

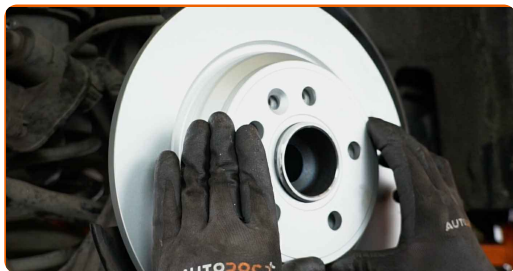
Clean the wheel hub. Use a wire brush.



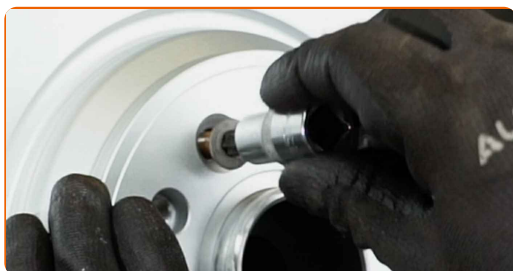
23

Treat the contacting surface. Use ceramic grease.

24 Install a new brake disc.



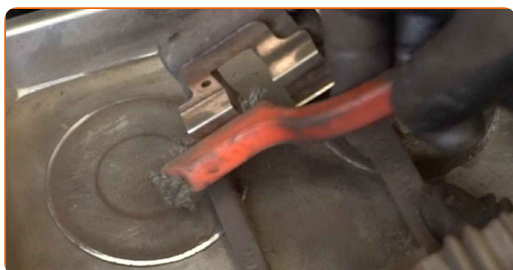
25 Install the fastening bolt.



26 Tighten the brake disc fasteners. Use Torx T50. Use a torque wrench. Tighten it to 15 Nm torque.



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



Replacement: brake discs – VOLVO S80 II (124). Professionals recommend:

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

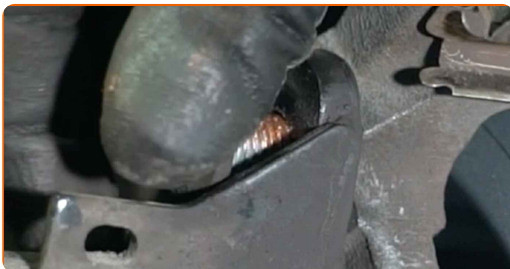
28

Install the brake caliper bracket.



29

Install the fastening bolts.



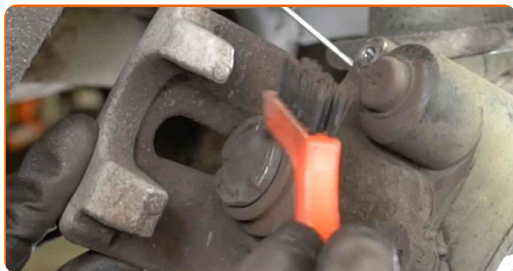
30

Tighten the brake caliper bracket fasteners. Use a drive socket #15. Use a torque wrench. Tighten it to 110 Nm torque.



31

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



32

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



33

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



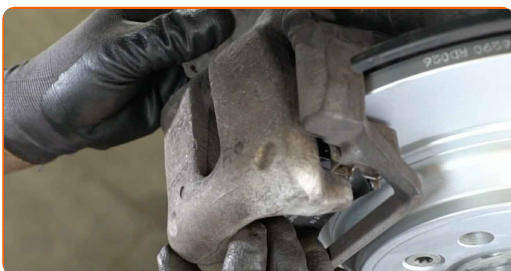
AUTODOC recommends:

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

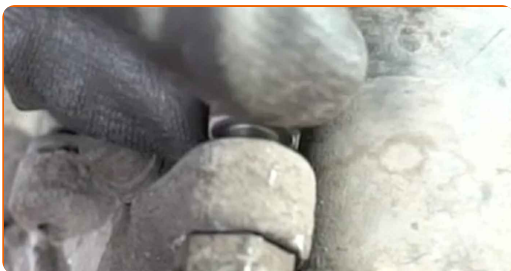
34 Install the brake pads.



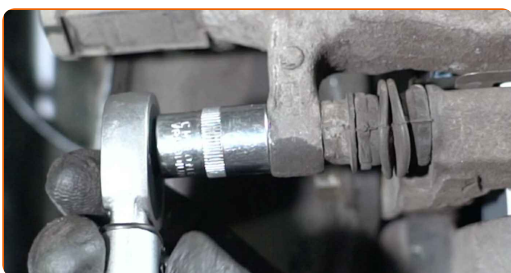
35 Install the brake caliper and fasten it.



36 Install the fastening bolts.



37 Tighten the brake caliper fasteners. Use a combination spanner #15. Use a drive socket #13. Use a torque wrench. Tighten it to 35 Nm torque.



38 Treat the surface where the brake disc contacts the wheel rim. Use ceramic grease.

39

Clean the brake disk surface. Use a brake cleaner.



40

Install the wheel.

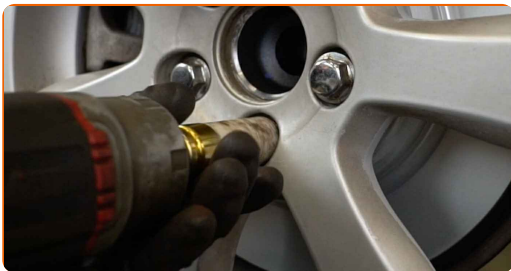


AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. VOLVO S80 II (124)

41

Screw in the wheel bolts. Use wheel impact socket #19. Use a ratchet wrench.



42

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.



43

Remove the jacks and chocks.



AUTODOC recommends:

- Without starting the engine, press the brake pedal several times until you feel significant resistance.
- Important! Replacement: brake discs – VOLVO S80 II (124). Check the brake fluid level in the reservoir and top up if necessary.

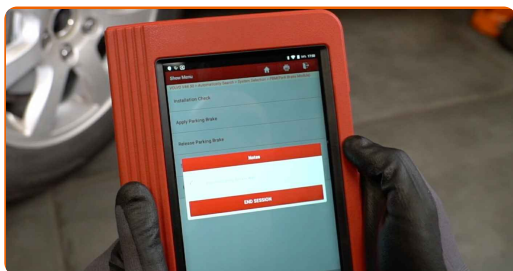
44

Tighten the brake fluid reservoir cap.



45

Deactivate the service mode of the parking brake system.



46

Close the bonnet.

WELL DONE! 

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