



How to change
serpentine belt on
VOLVO S80 II (124) –
replacement guide

SIMILAR VIDEO TUTORIAL



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

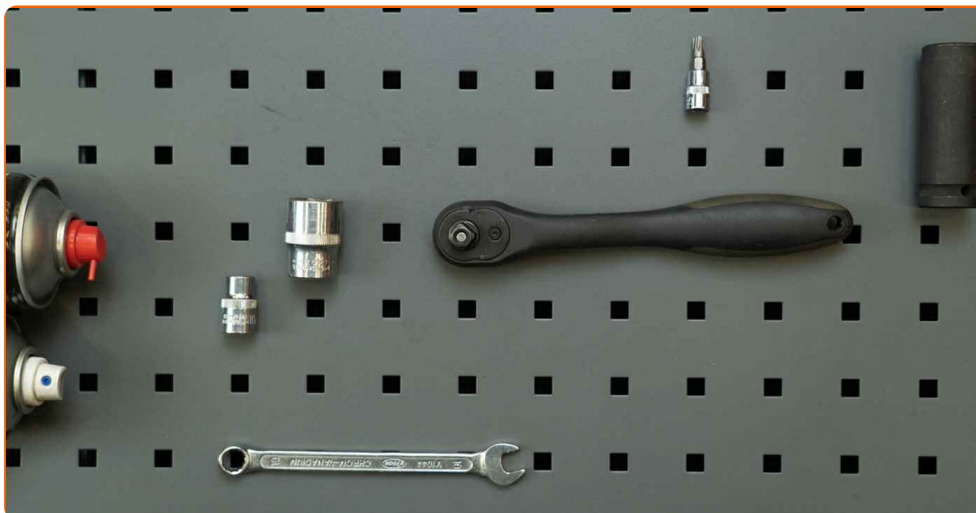
Important!

This replacement procedure can be used for:
VOLVO S80 II (124) 2.0 FlexFuel, VOLVO S80 II (124) 2.0

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: VOLVO V70 III (135) 2.0 FlexiFuel

REPLACEMENT: SERPENTINE BELT – VOLVO S80 II (124). LIST OF THE TOOLS YOU'LL NEED:



- Torque wrench
- Combination spanner #10
- Drive socket # 10
- Drive socket # 21
- 1/2" square drive extension bar
- Torx bit T30
- Wheel impact socket #19
- Ratchet wrench
- Tap wrench
- Wheel chock

Buy tools

Replacement: serpentine belt – VOLVO S80 II (124). AUTODOC recommends:

- All work should be done with the engine stopped.

REPLACEMENT: SERPENTINE BELT – VOLVO S80 II (124). USE THE FOLLOWING PROCEDURE:

1 Secure the wheels with chocks.

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

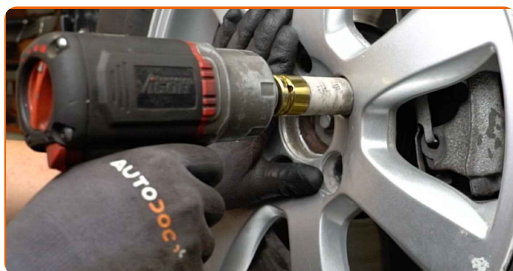


3 Raise the car.

Replacement: serpentine belt – VOLVO S80 II (124). AUTODOC experts 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.

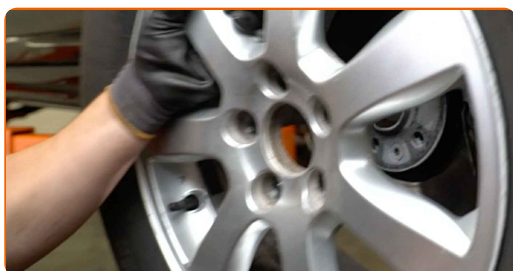
4 Unscrew the wheel bolts.



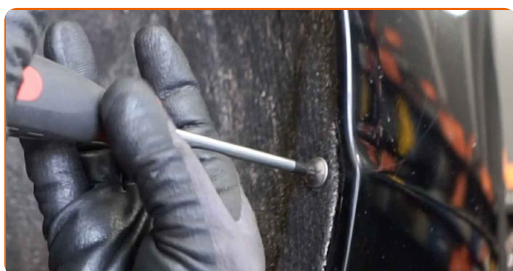
AUTODOC recommends:

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

5 Remove the wheel.



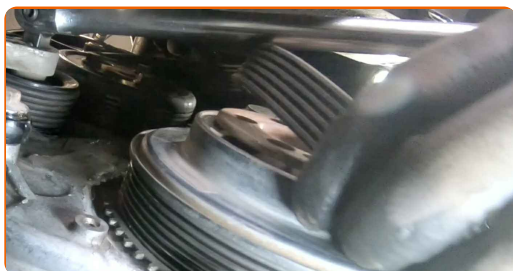
6 Unscrew the wheel arch cover fasteners. Move the part aside. Use Torx T30. Use a ratchet wrench.



7 Pull aside the V-ribbed belt tensioner pulley. Use a 1/2" square drive extension bar.



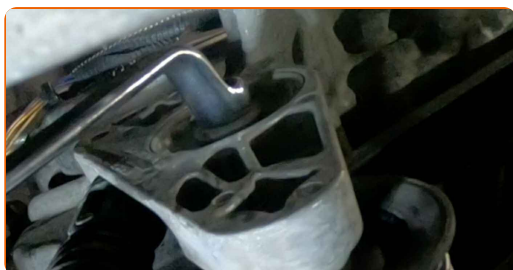
8 Remove the V-ribbed belt from the pulley.



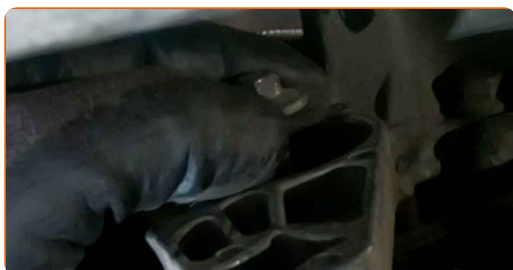
9 Return the tensioner pulley to its initial position.



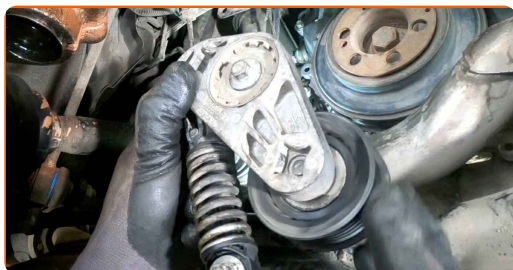
10 Unscrew the belt tensioner fasteners. Use a combination spanner #10.



11 Remove the fastening bolts.



12 Remove the V-ribbed belt tensioner.



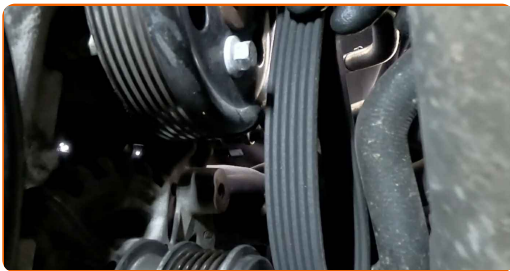
13 Remove the V-ribbed belt.



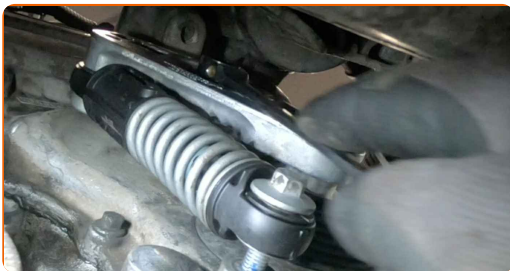
Replacement: serpentine belt – VOLVO S80 II (124). Tip:

- Check the condition of the tensioner pulley and idler pulley. Replace them if necessary.

14 Install the new V-ribbed belt.

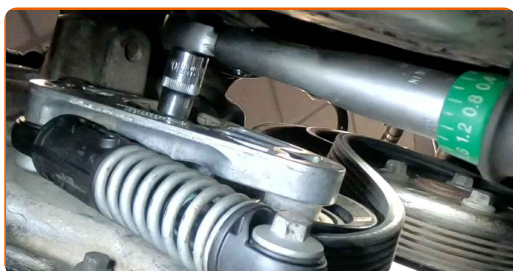


15 Install the new V-ribbed belt tensioner.

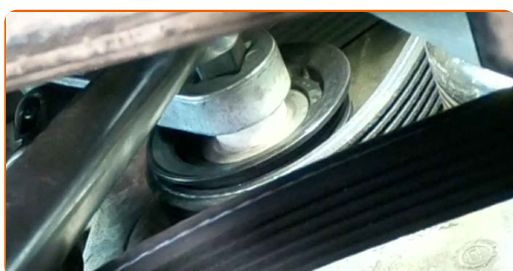


16 Install the fastening bolts.

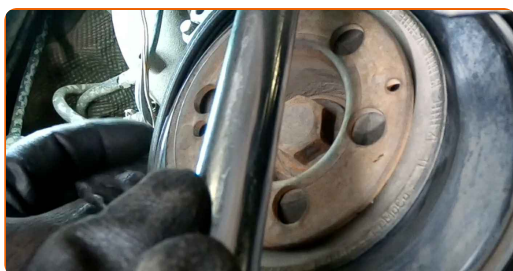
- 17 Tighten the V-ribbed belt tensioner fasteners. Use a drive socket #10. Use a torque wrench. Tighten it to 24 Nm torque.



- 18 Pull aside the V-ribbed belt tensioner pulley. Use a 1/2" square drive extension bar.



- 19 Place the serpentine belt on the crankshaft pulley.



- 20 Return the tensioner pulley to its initial position.

- 21 Rotate the crankshaft several times to check whether the new V-ribbed belt is working correctly. Use a drive socket #21. Use a ratchet wrench.

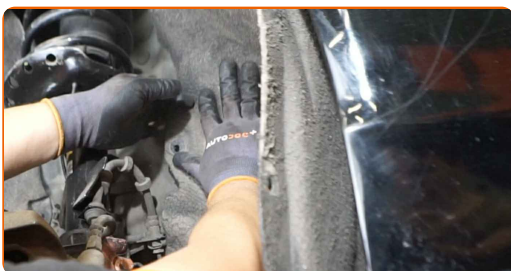


AUTODOC recommends:

- Make sure that the V-ribbed belt fits all pulleys snugly.
- Make sure that the V-ribbed belt is properly tensioned.

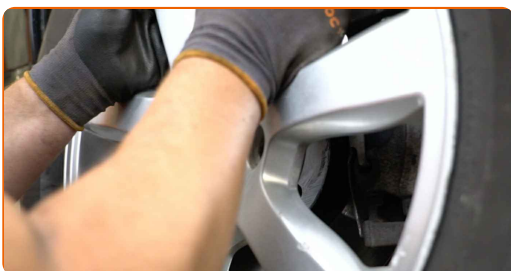
22

Install the wheel arch cover to its mounting seat. Screw in the fasteners. Use Torx T30. Use a ratchet wrench.



23

Install the wheel.

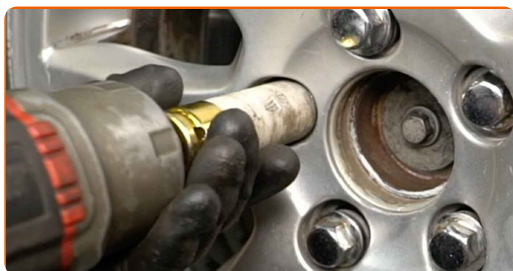


Replacement: serpentine belt – VOLVO S80 II (124). Tip from AUTODOC experts:

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

24

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



25

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.



26

Remove the jacks and chocks.



27

Run the engine for a few minutes. This is necessary in order to make sure that the component operates properly.

28

Shut off the engine.

WELL DONE! 

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