



How to change  
serpentine belt on **Volvo**  
**V70 BW** – replacement  
guide

## VIDEO TUTORIAL



### Important!

This replacement procedure can be used for:

VOLVO V70 III (135) 2.0, VOLVO S80 II (124) 2.0 FlexFuel, VOLVO V70 III (135) 2.0 FlexiFuel, VOLVO S80 II (124) 2.0

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The steps may slightly vary depending on the car design.

REPLACEMENT: SERPENTINE BELT – VOLVO V70 BW.  
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**

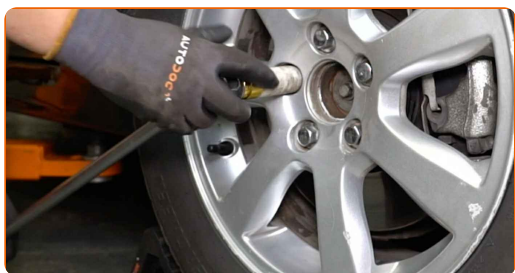
Replacement: serpentine belt – Volvo V70 BW. AUTODOC recommends:

- All work should be done with the engine stopped.

**REPLACEMENT: SERPENTINE BELT – VOLVO V70 BW. USE THE FOLLOWING PROCEDURE:**

**1** Secure the wheels with chocks.

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



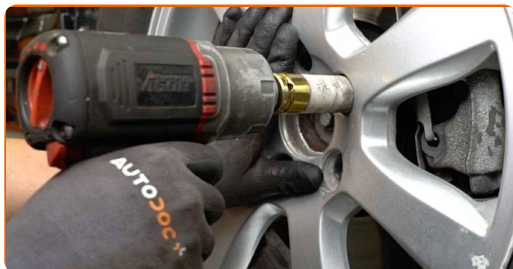
**3** Raise the car.



Replacement: serpentine belt – Volvo V70 BW. 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.

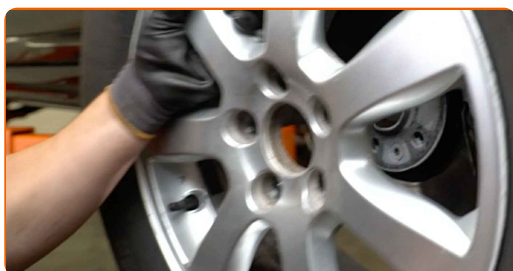
**4** Unscrew the wheel bolts.



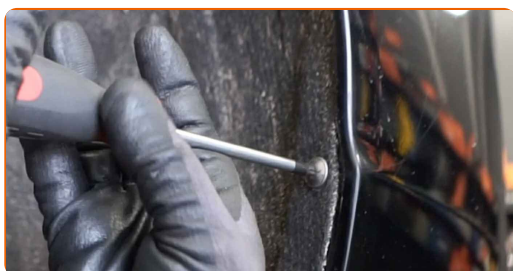
**AUTODOC recommends:**

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.  
Volvo V70 BW

**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.



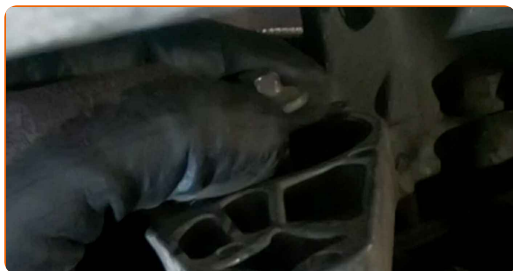
**9** Return the tensioner pulley to its initial position.



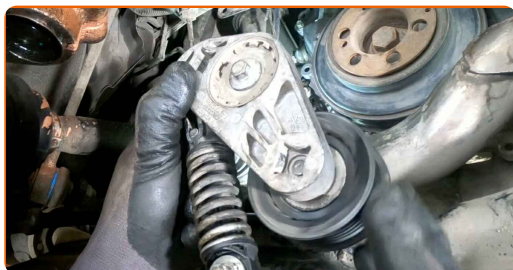
**10** Unscrew the belt tensioner fasteners. Use a combination spanner #10.



**11** Remove the fastening bolts.

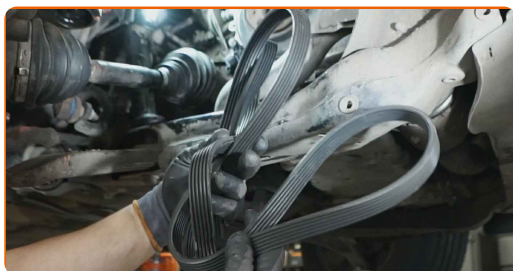


**12** Remove the V-ribbed belt tensioner.



13

Remove the V-ribbed belt.

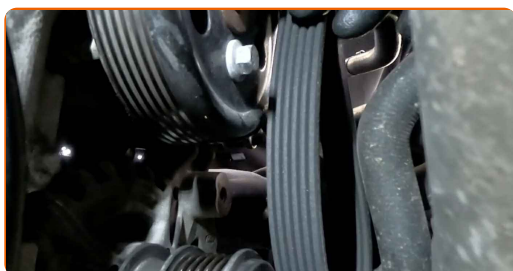


Replacement: serpentine belt – Volvo V70 BW. Tip:

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

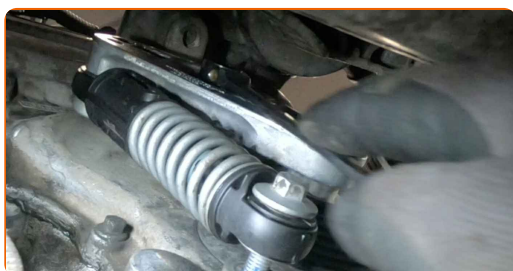
14

Install the new V-ribbed belt.



15

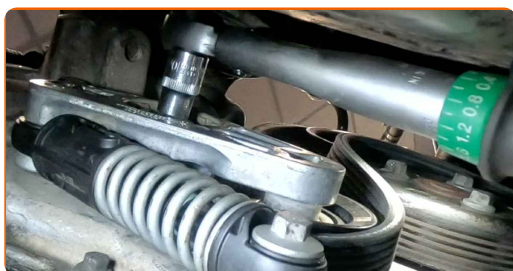
Install the new V-ribbed belt tensioner.



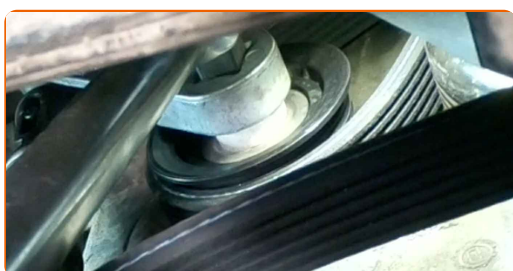
16

Install the fastening bolts.

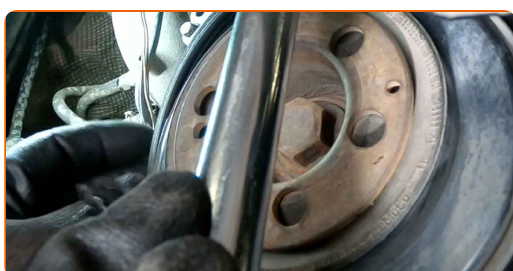
- 17 Tighten the V-ribbed belt tensioner fasteners. Use a drive socket #10. Use a torque wrench. Tighten it to 24 Nm torque.



- 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.



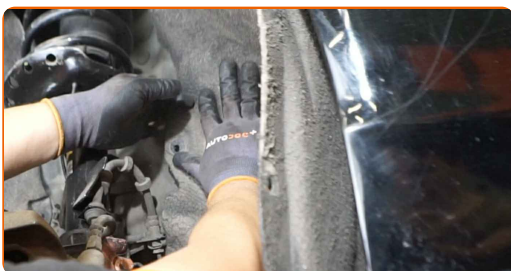


**AUTODOC recommends:**

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

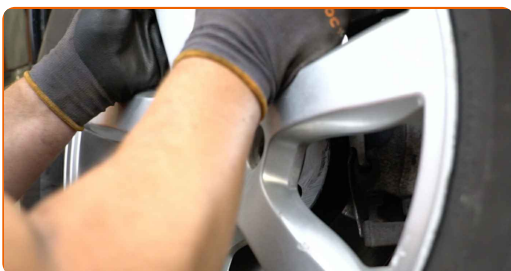
**22**

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



**23**

Install the wheel.

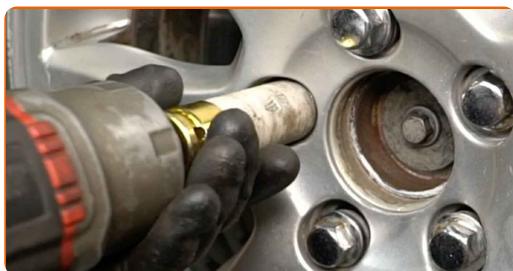


**Replacement: serpentine belt – Volvo V70 BW. Tip from AUTODOC experts:**

- 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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