



How to change  
serpentine belt on  
**MERCEDES-BENZ Viano**  
**(W639)** – replacement  
guide

## SIMILAR VIDEO TUTORIAL



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

### **i Important!**

This replacement procedure can be used for:

MERCEDES-BENZ Viano (W639) CDI 2.2 (639.711, 639.713, 639.811, 639.813, 639.815), MERCEDES-BENZ Viano (W639) CDI 2.0 (639.711, 639.713, 639.811, 639.813, 639.815), MERCEDES-BENZ Viano (W639) CDI 2.2 4-matic (639.711, 639.713, 639.811, 639.813,...

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: MERCEDES-BENZ ML-Class (W163) ML 270 CDI (163.113)

REPLACEMENT: SERPENTINE BELT – MERCEDES-BENZ  
VIANO (W639). TOOLS YOU MIGHT NEED:



- 12-point socket # 17
- Ratchet wrench
- Fender cover
- Wheel chock

[Buy tools](#)

Replacement: serpentine belt – MERCEDES-BENZ Viano (W639). AUTODOC recommends:

- All work should be done with the engine stopped.

## REPLACEMENT: SERPENTINE BELT – MERCEDES-BENZ VIANO (W639). USE THE FOLLOWING PROCEDURE:

- 1 Open the bonnet.
- 2 Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.
- 3 Secure the wheels with chocks.
- 4 Lift the car using a jack or place it over an inspection pit.
- 5 Pull aside the V-ribbed belt tensioner pulley. Use 12-point socket No.17. Use a ratchet wrench.



- 6 Remove the V-ribbed belt.



Replacement: serpentine belt – MERCEDES-BENZ Viano (W639). AUTODOC experts recommend:

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

**7** Return the tensioner pulley to its initial position. Use 12-point socket No.17. Use a ratchet wrench.

**8** Pull aside the V-ribbed belt tensioner pulley. Use 12-point socket No.17. Use a ratchet wrench.

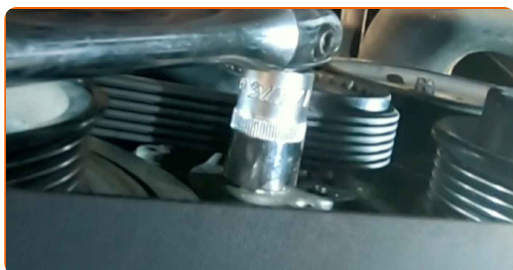
**9** Install the V-ribbed belt.



Replacement: serpentine belt – MERCEDES-BENZ Viano (W639). Tip from AUTODOC:

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

**10** Return the tensioner pulley to its initial position. Use 12-point socket No.17. Use a ratchet wrench.



**11** Lower the car.

**12** Remove the jacks and chocks.

**13**

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

**14**

Shut off the engine.

**15**

Remove the fender protection cover.

**16**

Close the hood.

**WELL DONE!** 👍

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**SERPENTINE BELT: A WIDE SELECTION**

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