



How to change
serpentine belt on
MERCEDES-BENZ
Sprinter 3-T Minibus
(W903) – 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:

MERCEDES-BENZ Sprinter 3-T Minibus (W903) 308 CDI 2.2, MERCEDES-BENZ Sprinter 3-T Minibus (W903) 311 CDI 2.2, MERCEDES-BENZ Sprinter 3-T Minibus (W903) 313 CDI 2.2, MERCEDES-BENZ Sprinter 3-T Minibus (W903) 316 CDI 2.7, MERCEDES-BENZ Sprinter 3-T Minibus (W903) 311 CDI 2.2 4x4, MERCEDES-BENZ Sprinter 3-T Minibus (W903) 313 CDI 2.2 4x4, MERCEDES-BENZ Sprinter 3-T Minibus (W903) 316 CDI 2.7 4x4

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
SPRINTER 3-T MINIBUS (W903). TOOLS YOU MIGHT
NEED:



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

[Buy tools](#)

Replacement: serpentine belt – MERCEDES-BENZ Sprinter 3-T Minibus (W903). AUTODOC recommends:

- All work should be done with the engine stopped.

REPLACEMENT: SERPENTINE BELT – MERCEDES-BENZ SPRINTER 3-T MINIBUS (W903). 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 Sprinter 3-T Minibus (W903). 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 Sprinter 3-T Minibus (W903). 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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