



How to change  
serpentine belt on **BMW**  
**3 Saloon (E46)** –  
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:

BMW 3 Saloon (E46) 320d 2.0, BMW 3 Saloon (E46) 318d 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: BMW 3 Touring (E46) 320d 2.0

## REPLACEMENT: SERPENTINE BELT – BMW 3 SALOON (E46). TOOLS YOU MIGHT NEED:



- Combination spanner #17
- Drive socket # 12
- Ratchet wrench
- Crow bar
- Fender cover

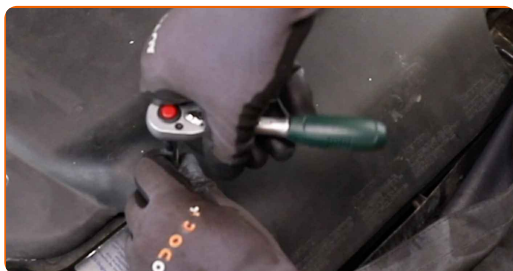
**Buy tools**

Replacement: serpentine belt – BMW 3 Saloon (E46). AUTODOC experts recommend:

- All work should be done with the engine stopped.

## REPLACEMENT: SERPENTINE BELT – BMW 3 SALOON (E46). USE THE FOLLOWING PROCEDURE:

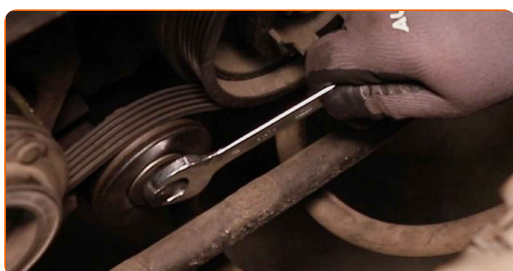
- 1 Open the bonnet.
- 2 Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.
- 3 Unscrew the fasteners of the air distribution housing assembly. Use a drive socket #12. Use a ratchet wrench.



- 4 Remove the air distribution housing assembly.

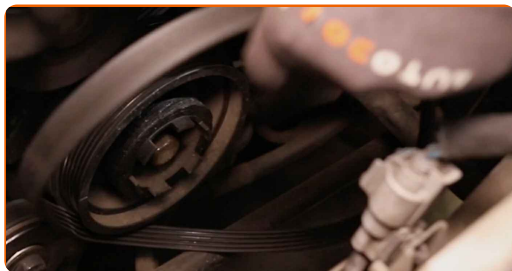


- 5 Pull aside the V-ribbed belt tensioner pulley. Use a combination spanner #17. Use a crowbar.



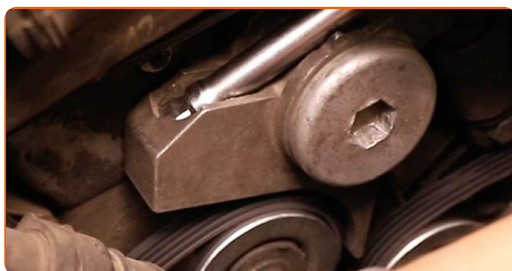
6

Remove the V-ribbed belt.



7

Return the tensioner pulley to its initial position. Use a combination spanner #17. Use a crowbar.



Replacement: serpentine belt – BMW 3 Saloon (E46). Tip from AUTODOC:

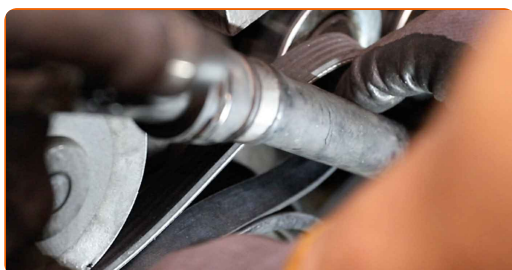
- Check the condition of the tensioner pulley and idler pulley. Replace them if necessary.

8

Pull aside the V-ribbed belt tensioner pulley. Use a combination spanner #17. Use a crowbar.

9

Install the V-ribbed belt.

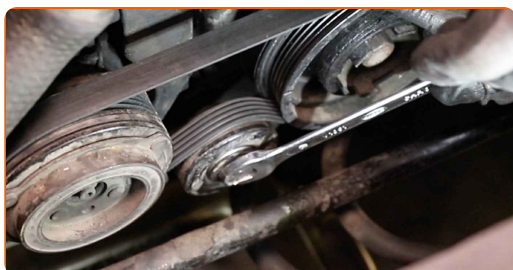


Replacement: serpentine belt – BMW 3 Saloon (E46). AUTODOC experts recommend:

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

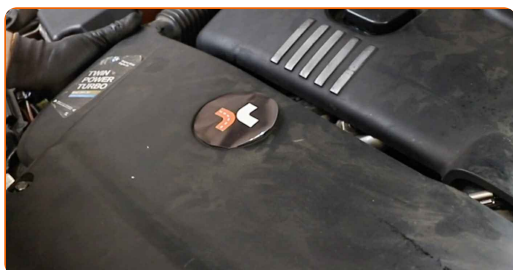
10

Return the tensioner pulley to its initial position. Use a combination spanner #17. Use a crowbar.



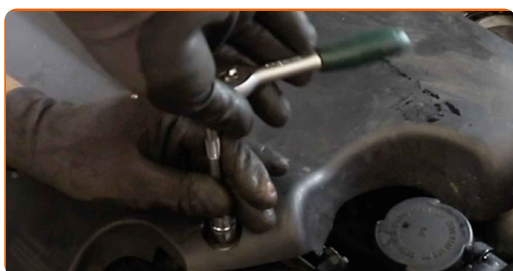
11

Reinstall the air distribution housing assembly.



12

Screw in the fasteners of the air distribution housing assembly. Use a drive socket #12. Use a ratchet wrench.



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!** [VIEW MORE TUTORIALS](#)

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**SERPENTINE BELT: A WIDE SELECTION**

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