



How to change  
serpentine belt on  
**Citroën Berlingo M** –  
replacement guide

## VIDEO TUTORIAL

** Important!**

This replacement procedure can be used for:

CITROËN ZX (N2) 1.9 D, CITROËN ZX (N2) 1.9 TD, CITROËN ZX Break (N2) 1.9 D, CITROËN ZX Break (N2) 1.9 TD, CITROËN JUMPER Bus (230P) 1.9 TD, CITROËN JUMPY (U6U) 1.9 TD, CITROËN JUMPY (U6U) 1.9 D, CITROËN Berlingo / Berlingo First Van (M\_) 1.8 D, CITROËN Berlingo / Berlingo First Van (M\_) 1.9 D, CITROËN Berlingo / Berlingo First (MF, GJK, GFK) 1.9 D, CITROËN C3 I Hatchback (FC\_, FN\_) 1.6 16V, CITROËN JUMPER Bus (230P) 1.9 TD 4x4, CITROËN XSARA (N1) 1.9 TD, CITROËN XSARA (N1) 1.8 D, CITROËN XSARA Break (N2) 1.8 D, (+ 50)

The steps may slightly vary depending on the car design.

REPLACEMENT: SERPENTINE BELT – CITROËN BERLINGO M. LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- Torque wrench
- Drive socket # 27
- HEX bit no.H8
- 1/4" square drive extension bar
- Wheel impact socket #19
- Ratchet wrench
- Clip removal tool
- Phillips screwdriver
- Fender cover
- Wheel chock

**BUY TOOLS**

## Replacement: serpentine belt – Citroën Berlingo M. Tools you might need:

- All work should be done with the engine stopped.

## REPLACEMENT: SERPENTINE BELT – CITROËN BERLINGO M. USE THE FOLLOWING PROCEDURE:

1 Open the hood.



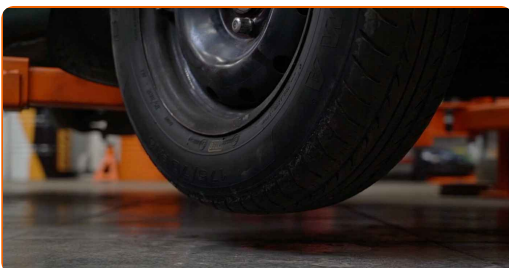
2 Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.

3 Secure the wheels with chocks.

4 Loosen the wheel mounting bolts. Use wheel impact socket #19.



5 Raise the car.

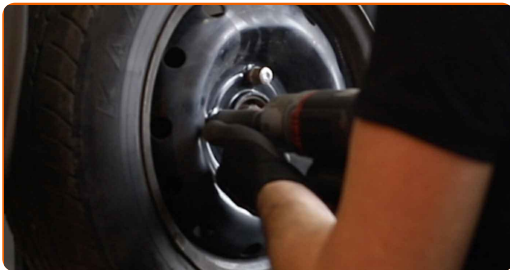


Replacement: serpentine belt – Citroën Berlingo M. AUTODOC recommends:

- 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.

6

Unscrew the wheel bolts.



AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.  
Citroën Berlingo M

7

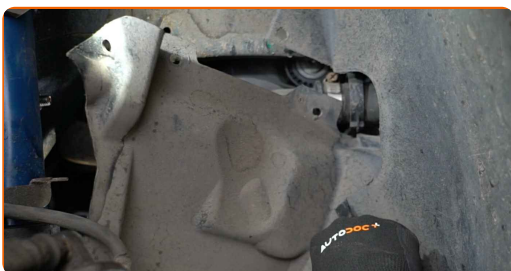
Remove the wheel.



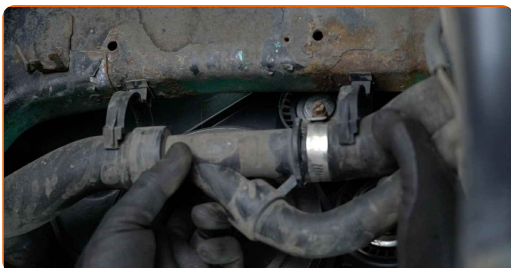
**8** Unscrew and remove the wheel arch cover fasteners. Use a clip removal tool. Use a Phillips screwdriver.



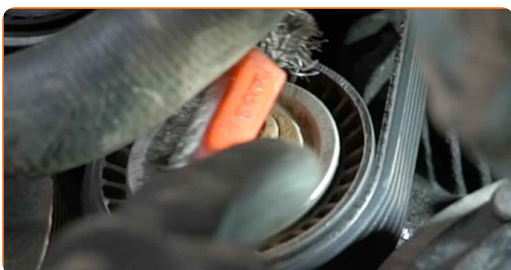
**9** Remove the wheel arch cover.



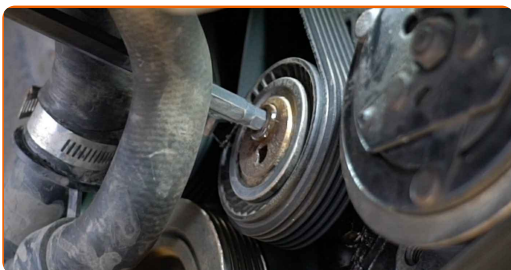
**10** Release the coolant pipe fasteners.



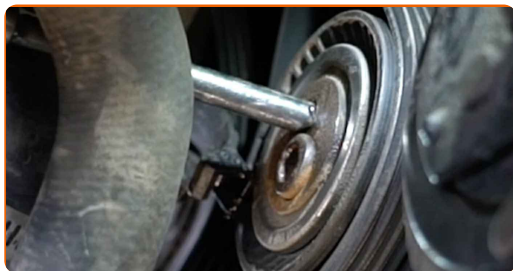
**11** Clean the tensioner pulley fastener. Use a wire brush.



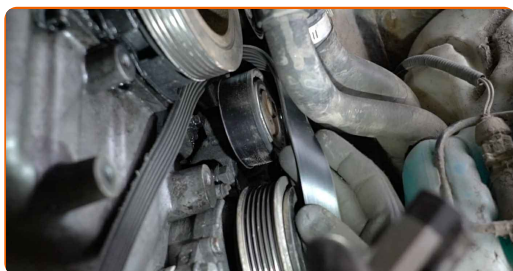
**12** Loosen the tensioner pulley fastener. Use HEX No.H8. Use a ratchet wrench.



**13** Pull aside the V-ribbed belt tensioner pulley. Use a 1/4" square drive extension bar. Use a ratchet wrench.



**14** Remove the V-ribbed belt.



Replacement: serpentine belt – Citroën Berlingo M. Tip from AUTODOC experts:

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

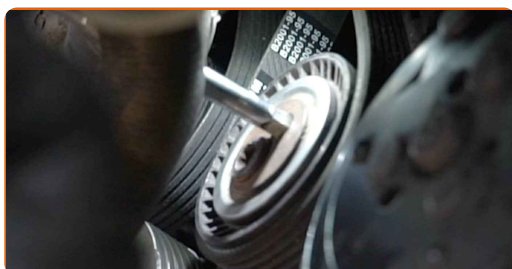
**15** Install the V-ribbed belt.



Replacement: serpentine belt – Citroën Berlingo M. Professionals recommend:

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

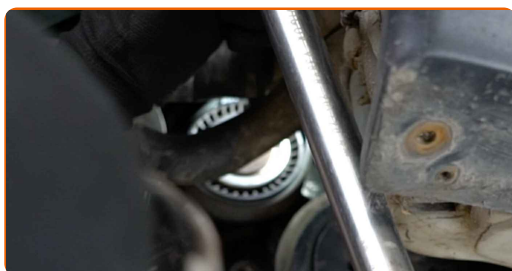
- 16** Tension the belt by turning the tensioner pulley clockwise. Use a 1/4" square drive extension bar. Use a ratchet wrench.



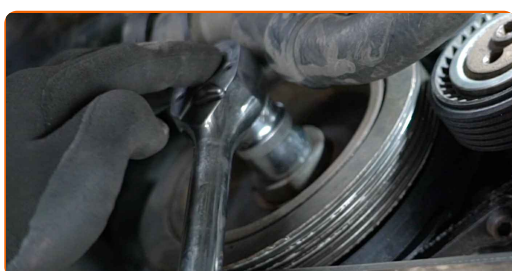
**Replacement: serpentine belt – Citroën Berlingo M. Tip:**

- Keep the belt taut until you've tightened the tensioner pulley fastener.

- 17** Tighten the fastener of the serpentine belt tensioner pulley. Use HEX No.H8. Use a torque wrench. Tighten it to 35 Nm torque.



- 18** Turn the crankshaft pulley. This is necessary in order to make sure that the component operates properly. Use a drive socket #27. Use a ratchet wrench.



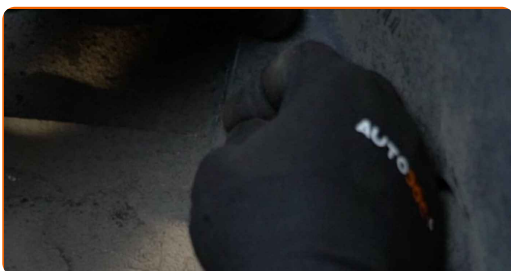
- 19** Reconnect the coolant pipe fasteners.



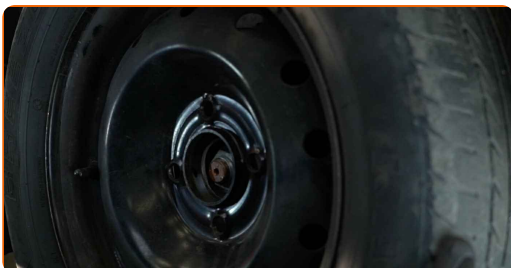
**20** Install the wheel arch cover to its mounting seat.



**21** Install and tighten the wheel arch cover fasteners. Use a clip removal tool. Use a Phillips screwdriver.



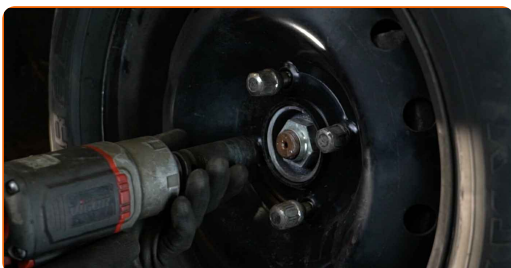
**22** Install the wheel.



**AUTODOC recommends:**

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. Citroën Berlingo M

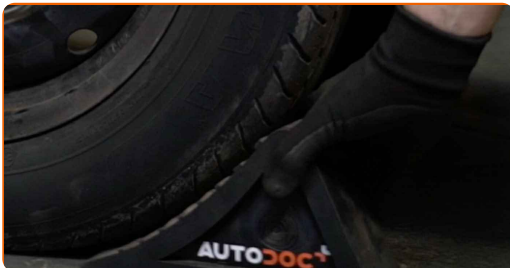
**23** Screw in the wheel bolts. Use wheel impact socket #19.



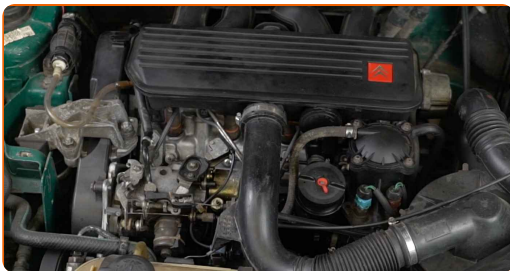
- 24 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #19. Use a torque wrench. Tighten it to 90 Nm torque.



- 25 Remove the jacks and chocks.



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



- 27 Shut off the engine.

- 28 Remove the fender protection cover.

29

Close the hood.



**WELL DONE!** 

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