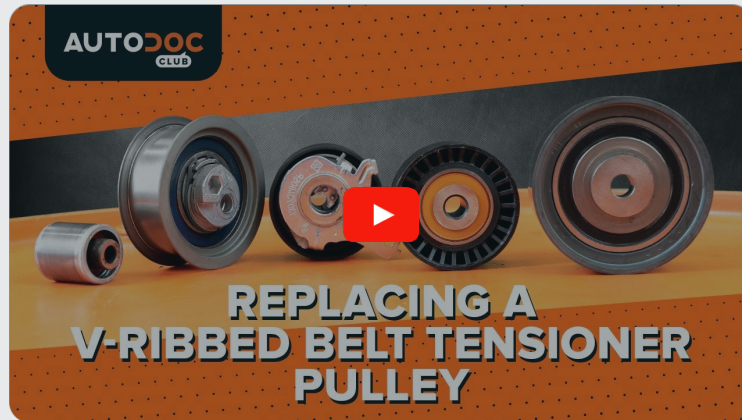


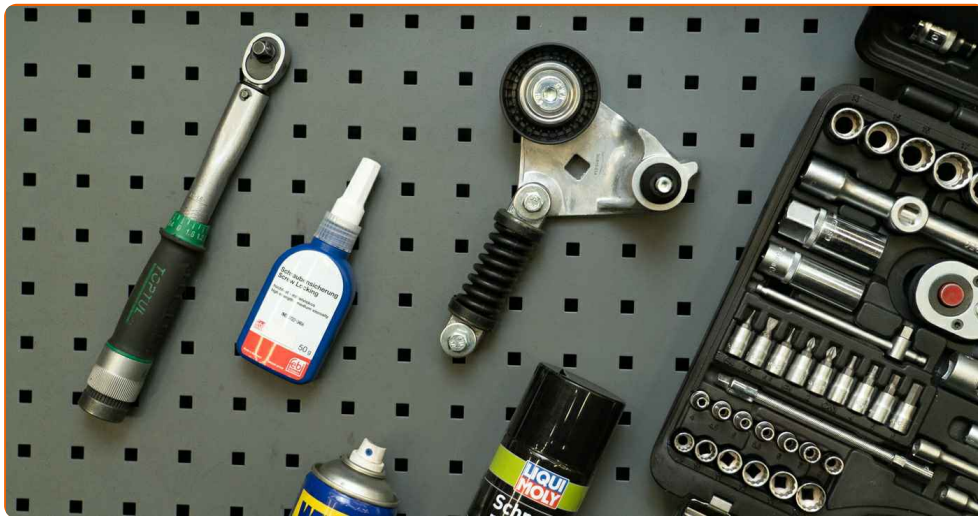


How to change
serpentine belt tensioner
pulley on a car –
replacement tutorial

VIDEO TUTORIAL



THINGS YOU MAY NEED:



- a new tensioner pulley kit
- a set of suitable tools
- torque wrench
- anaerobic sealant
- universal spray cleaner and a wire brush
- WD-40 spray
- A jack, jack stands and wheel chocks may also be needed

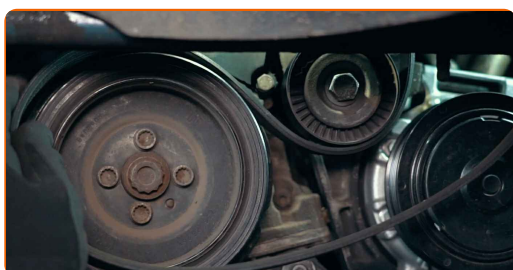
BUY TOOLS

Please note!

- The tensioner pulley may be a part of the belt tensioner mechanism
- Or be equipped with an integrated tensioner device
- Reasons for replacing the tensioner pulley may include jamming or noises when starting or running the engine

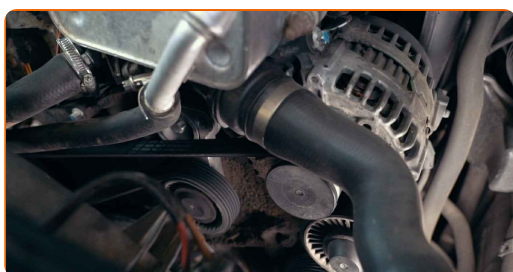
1

In any case, the belt must be removed to replace the tensioner pulley



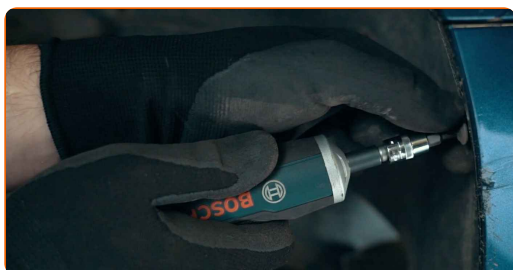
2

In some cars you simply need to open the bonnet to access the tensioner pulley



3

In other cars you will need to remove a wheel and some car body parts



4 On most vehicles with a transverse engine, access to the tensioner pulley is via the right front wheel arch



Please note!

- Some vehicles are designed without a tensioner pulley
- In some cars, its function is performed by a movable alternator or power steering pump
- A self-tensioning belt can also be used instead of tensioner pulley

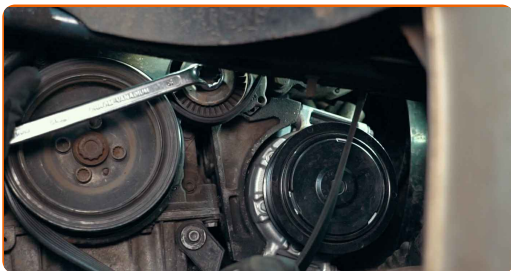
5 Take a picture or sketch a belt routing diagram



6 Loosen the serpentine belt. To do this, move the automatic tensioner aside or loosen the tensioning mechanism



7 Attach a suitable tool to the tensioner and move it aside



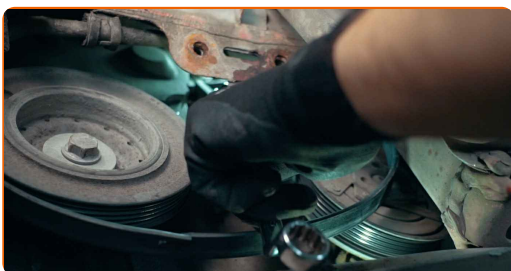
Important!

- The tool must be secured reliably to prevent injury

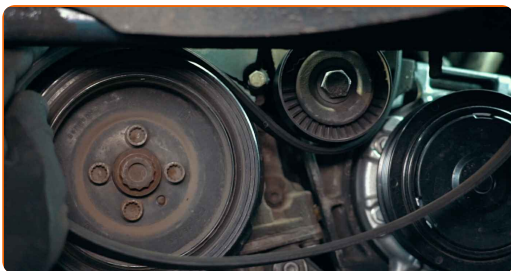
8 After loosening the belt, remove it from one of the pulleys



9 Return the tensioning mechanism to its original position



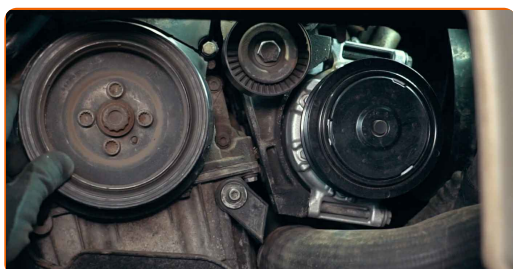
10 Remove the belt from the other pulleys



11 Use a lock pin if the design of the tensioner provides for this



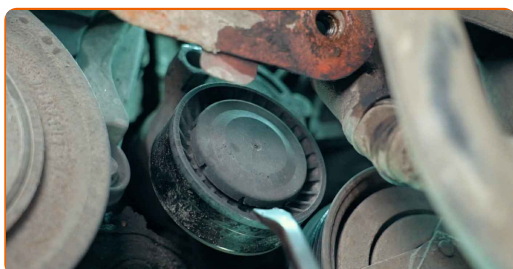
12 Check that the tensioner and idler pulleys can move freely and check the condition of the alternator one-way clutch, crankshaft damper pulley, and all other pulleys



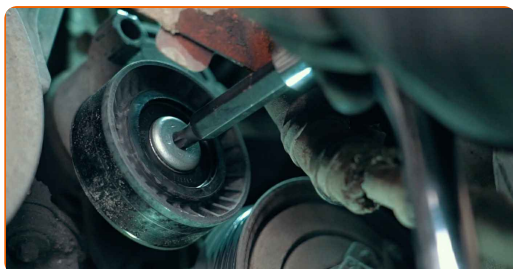
AUTODOC recommends:

- Replace these components if necessary

13 Remove the tensioner pulley cover



14 Unscrew the tensioner pulley fastener and remove it



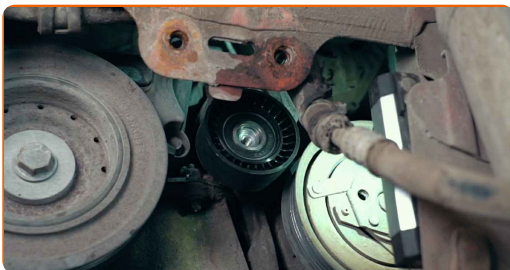
15 Clean the tensioner seat



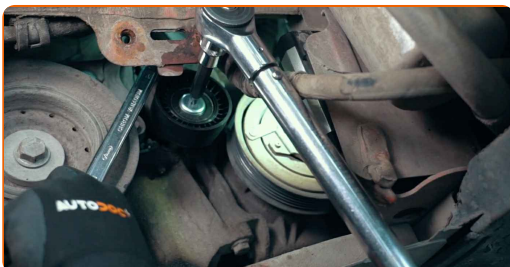
Please note!

- A tensioner pulley typically consists of a bearing in a plastic or metal housing
- The part does not usually have a specific installation direction
- When replacing the tensioner pulley, be sure to use a new fastener

16 Secure the tensioner



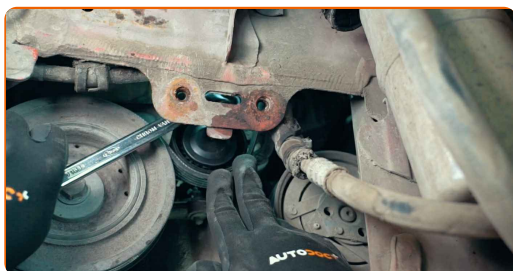
17 Tighten the tensioner fastener with a torque wrench to the torque recommended by the car manufacturer



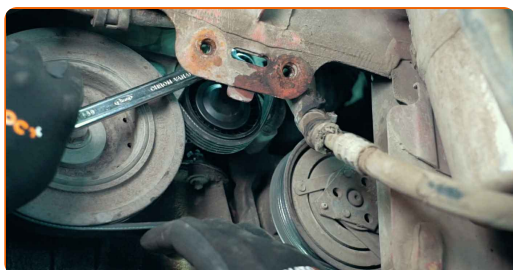
18 Install the cover



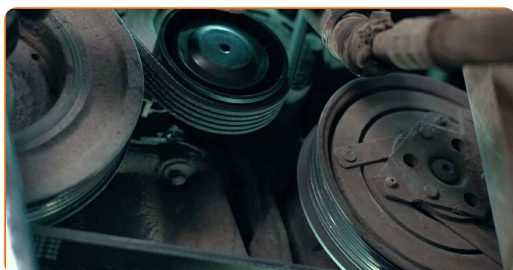
19 Loosen the tensioner and install the poly-V-belt



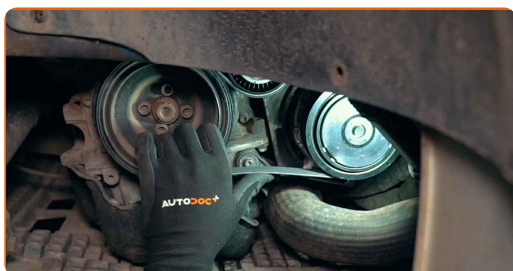
20 Make sure that the belt is installed correctly, not misaligned, and that its ribs are fitted into the pulley grooves



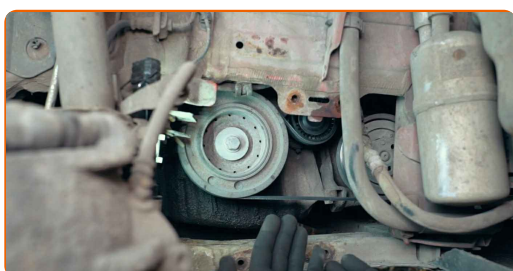
21 You can also turn the crankshaft pulley to check that the belt is correctly installed



- 22 If the tensioner is mechanical, check the belt deflection by pressing on the long section between the pulleys. It should not deflect too much



- 23 Adjust the belt tension if necessary



AUTODOC experts recommend:

- If the automatic mechanism does not provide correct tensioning, it must be replaced as a kit

AUTODOC – TOP QUALITY AND AFFORDABLE CAR PARTS ONLINE

AUTODOC MOBILE APP: GREAT DEALS AND CONVENIENT SHOPPING



+ AUTODOC

GET IT ON
Google Play

 Download on the
App Store

Download

A GREAT SELECTION OF SPARE PARTS FOR YOUR CAR

SERPENTINE BELT TENSIONER PULLEY: A WIDE SELECTION

DISCLAIMER:

The document contains only general recommendations that may be useful for you when you perform repair or replacement work. AUTODOC shall not be liable for any loss, injury, damage of property occurring in the repair or replacement process due to incorrect use or misinterpretation of the provided information.

AUTODOC shall not be liable for any possible mistakes and uncertainties in this guide. The information provided is for information purposes only and cannot replace advice from specialists.

AUTODOC shall not be liable for incorrect or hazardous usage of equipment, tools and car parts. AUTODOC strongly recommends to be careful and observe the safety rules when performing repair or replacement works. Remember: usage of low quality auto parts does not guarantee you the appropriate level of road safety.

© Copyright 2023 – All the contents of this website, in particular texts, photographs and graphics, are protected by copyright. All rights, including reproduction, publication, editing and translation rights, are reserved by AUTODOC SE.