



# Classen Sod Cutter SC18AHDCA 2019 Engine Belt Replacement

Remove and replace the engine belt for the Classen Sod Cutter SC18AHDCA.

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## INTRODUCTION

This guide shows how to remove and replace the engine belt on the Classen Sod Cutter SC18AHDCA. The engine belt transfers power from the engine to the blade piston, as well as to the speed reduction box (which drives the roller).

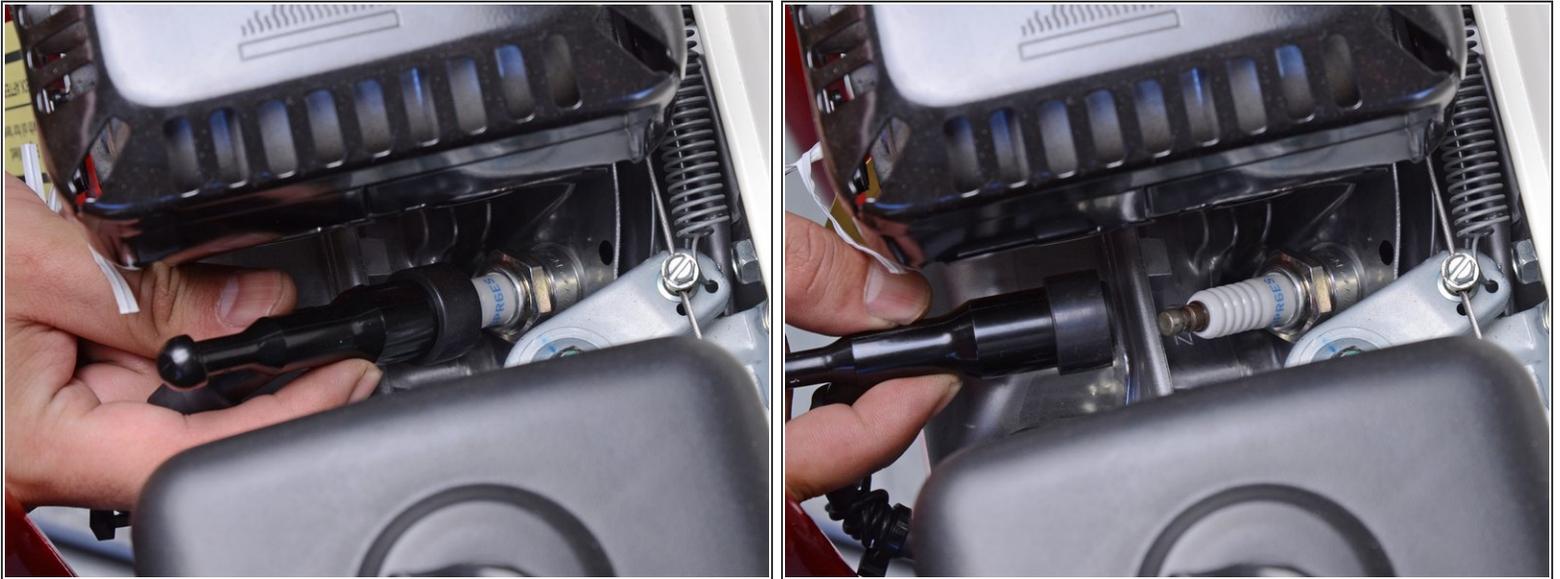
### TOOLS:

- [Wheel Chocks](#) (1)
- [1/2" Socket](#) (1)
- [9/16" socket](#) (1)
- [Socket Wrench](#) (1)
- [9/16" Wrench](#) (1)
- [Flathead Screwdriver](#) (1)

### PARTS:

- [Classen V-Belt, B B56 Engine 5.5Hp C100024](#) (1)

## Step 1 — Safety precautions



 Before you begin, make sure that the machine is turned off.

 For safety purposes, disconnect the spark plug.

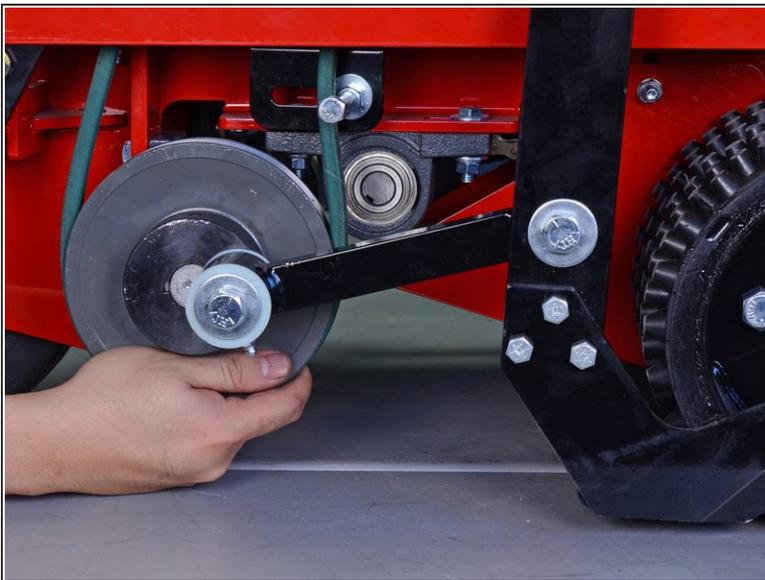
- Grab the plastic housing at the end of the spark plug wire.
- Pull firmly to disconnect the wire from the spark plug.

## Step 2



- Place wheel chocks against the roller and rear wheel to prevent the machine from moving.

## Step 3 — Position the blade



- Use your hand to slowly rotate the blade pulley so that the blade is pulled back as far as possible.

## Step 4 — Unscrew the right guard panel



- Use a 1/2" socket wrench to remove the nine 1 inch-long bolts securing the right guard panel:
  - Two bolts on the front of the panel
  - Five bolts on the top of the panel
  - Two bolts on the back of the panel

## Step 5 — Remove the guard panel



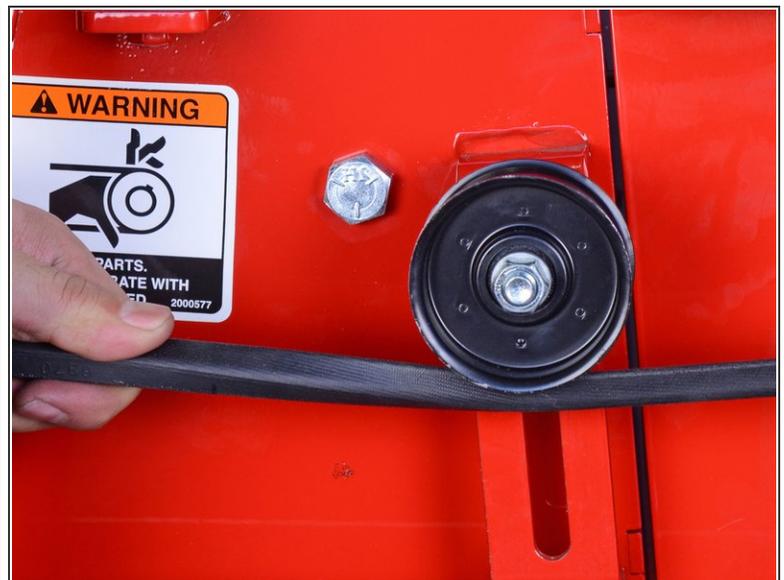
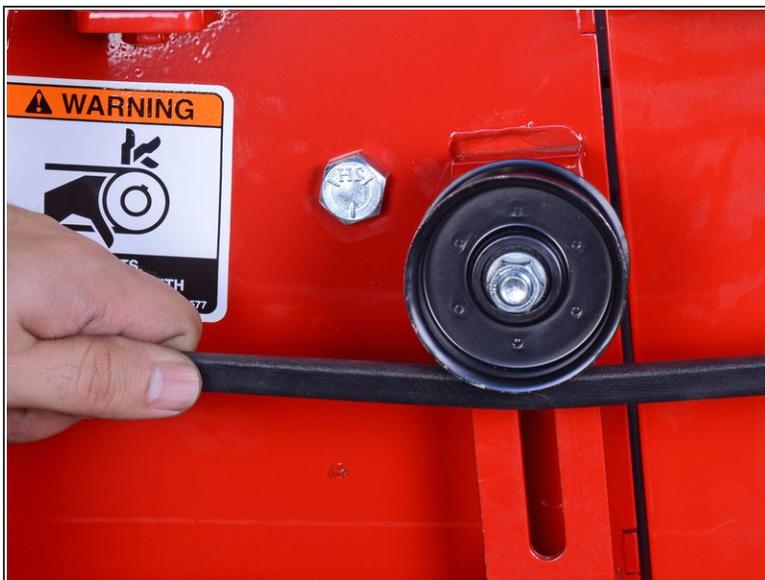
- Slide the guard panel forward until the panel clears the black blade arm.
- Swing the panel outward to clear the screw post.
- Remove the panel.

## Step 6 — Loosen the idler pulley



- Use a 9/16" socket wrench and combination wrench to loosen (but not remove) the idler pulley bolt.

## Step 7 — Reassembly tensioning



- ☑ **Re-assembly tip:** When you are installing a replacement belt, follow this step to check that the idler pulley is sufficiently tensioning the belt.
  - Use your fingers to roll the belt. If you cannot twist the belt more than a quarter turn, the belt is sufficiently tensioned. If the belt is too loose, set the idler pulley lower to tension the belt more.

## Step 8 — Un-tension the belt



- Pull the engine belt downwards and slide it off the idler pulley.
- Slide the belt over the top of the pulley.
- Slide the pulley down so that it is not applying any tension to the belt.

## Step 9 — Derail the belt



**i** If you do not plan to reuse the belt, simply cut the belt in order to remove it. Cutting the belt is a much simpler and safer procedure.

**!** A tensioned belt can cause severe injuries. Wear thick gloves if possible, and position your hands carefully to avoid pinching.

- Place a rag behind the engine pulley to prevent the engine surface from being scuffed.
- Wedge a long bolt or screwdriver shaft between the belt and the engine pulley.
- Carefully feed the belt forward while using the shaft to derail the belt off the pulley.

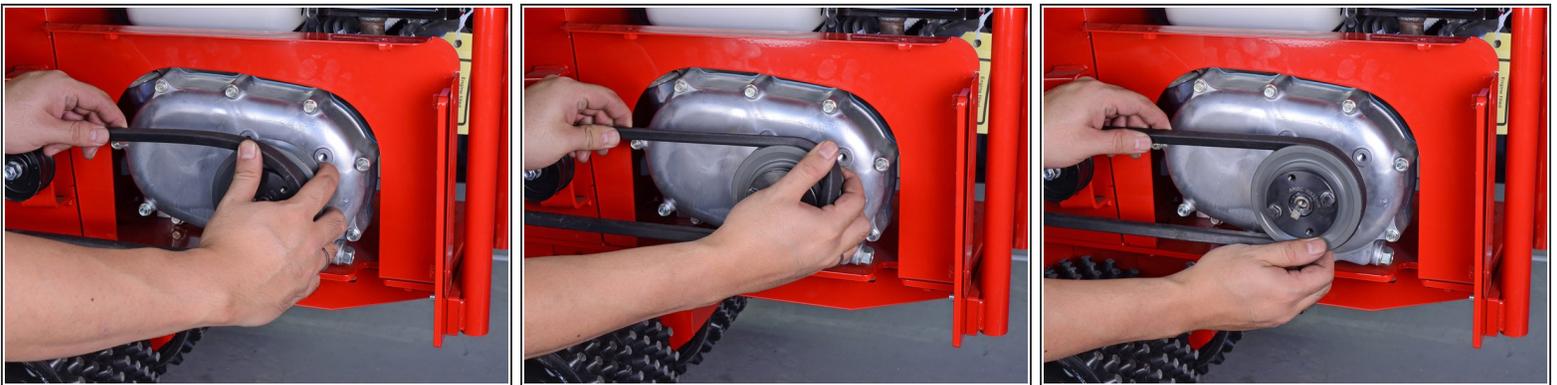
**i** Depending on how old the belt is, this may take significant force.

## Step 10 — Remove the engine belt



- Remove the engine belt.

## Step 11 — Re-install the belt



 **Re-assembly tip:** The next two steps show how to reattach and tension a replacement belt.

 The belt can move unexpectedly and cause severe pinching injuries if you're not careful. Wear thick gloves and be conscious where your hands are while you work.

- Loop the belt onto the rear pulley. Use your fingers to align the front of the belt to the engine pulley, and gradually push the belt into the pulley groove.
- Carefully feed the belt forward as you push the belt into the pulley groove, until the entire belt is properly seated in the pulley.

To reassemble your device, follow these instructions in reverse order.