

Briggs & Stratton 20-1820

Briggs & Stratton Snowblower V-Belt Instruction Manual

MODEL: 20-1820

1. Introduction

This instruction manual provides essential information for the proper installation, operation, and maintenance of your Briggs & Stratton Snowblower V-Belt, Model 20-1820. This V-belt is designed as a replacement part for various snowblower models, including those originally using Toro 20-1820 and Simplicity 8021077 belts. Adhering to these instructions will help ensure the longevity and optimal performance of your snowblower's drive system.

2. Safety Information

Always prioritize safety when working with power equipment. Read and understand all safety warnings in your snowblower's original owner's manual before attempting any maintenance or part replacement.

- **Disconnect Power:** Always ensure the snowblower's engine is off and the spark plug wire is disconnected before performing any work on the machine.
- **Wear Protective Gear:** Use appropriate personal protective equipment, including gloves and eye protection, to prevent injury.
- **Consult Snowblower Manual:** Refer to your specific snowblower's service manual for detailed instructions on accessing and replacing drive belts. Procedures may vary by model.
- **Proper Tools:** Use the correct tools for the job to avoid damage to components or personal injury.
- **Secure Components:** Ensure all guards, covers, and fasteners are securely reinstalled before operating the snowblower.

3. Product Overview

The Briggs & Stratton Snowblower V-Belt (Model 20-1820) is a critical component in your snowblower's drive system, transmitting power from the engine to the auger or wheels. This belt is designed for durability and reliable performance in cold weather conditions.

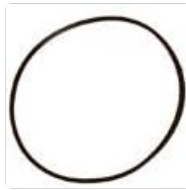


Figure 1: Briggs & Stratton Snowblower V-Belt. This image displays the V-belt, which is a circular, black rubber belt with a V-shaped cross-section, indicating its design for pulley systems in snowblowers.

Key Specifications:

- **Length:** 39 inches
- **Width:** 1/2 inch
- **Style:** V-Belt
- **Compatible Devices:** Snow Blower

4. Setup and Installation

Replacing a snowblower V-belt typically involves accessing the drive system, removing the old belt, and installing the new one. The exact procedure varies significantly between snowblower models. Always consult your snowblower's specific owner's or service manual for detailed, model-specific instructions.

General Steps (Consult your snowblower's manual for specifics):

1. **Prepare the Snowblower:** Ensure the engine is off, cool, and the spark plug wire is disconnected to prevent accidental starting.
2. **Access the Belt Area:** This may involve removing covers, shields, or even partially disassembling parts of the snowblower chassis.
3. **Relieve Tension:** Locate the belt tensioning mechanism (e.g., idler pulley) and relieve tension on the old belt.
4. **Remove Old Belt:** Carefully remove the worn or broken belt from the pulleys. Note its routing for correct installation of the new belt.
5. **Install New Belt:** Route the new Briggs & Stratton V-belt (Model 20-1820) around the pulleys, ensuring it is seated correctly in all grooves.
6. **Apply Tension:** Re-engage the belt tensioning mechanism. The belt should be taut but not overly tight.
7. **Reassemble:** Reinstall any covers, shields, or components that were removed. Ensure all fasteners are tightened to the manufacturer's specifications.
8. **Test Operation:** Reconnect the spark plug wire. Start the snowblower and test the drive system at a low speed in a clear area to ensure proper function before full use.

5. Operating Considerations

Once installed, the V-belt operates automatically as part of your snowblower's drive system. Proper installation ensures efficient power transfer. If you notice any unusual noises, vibrations, or a decrease in performance (e.g., auger not turning or wheels not driving effectively), inspect the belt and drive system.

6. Maintenance

Regular inspection and timely replacement of the V-belt are crucial for maintaining your snowblower's

performance and preventing unexpected breakdowns.

- **Visual Inspection:** Periodically inspect the belt for signs of wear, cracking, fraying, glazing, or stretching. This should be done at the beginning of each snow season and after every 10-20 hours of operation.
- **Cleanliness:** Keep the belt and pulleys free from dirt, debris, oil, and grease, which can cause slippage and premature wear.
- **Tension Check:** Ensure the belt tension is correct according to your snowblower's manual. An overly loose belt can slip, while an overly tight belt can cause excessive wear on bearings and the belt itself.
- **Replacement:** Replace the belt if any signs of significant wear or damage are observed. A worn belt can lead to reduced efficiency and potential failure during operation.

7. Troubleshooting

Symptom	Possible Cause	Solution
Belt slipping or squealing	Loose belt tension, glazed belt, oil/grease on belt/pulleys, worn belt.	Adjust tension, clean belt/pulleys, replace belt if worn or glazed.
Belt breaking prematurely	Overly tight belt, misaligned pulleys, foreign object interference, incorrect belt type.	Check tension, inspect pulley alignment, remove obstructions, ensure correct belt model.
Auger/Wheels not engaging	Broken belt, severely worn belt, engagement mechanism failure.	Inspect and replace belt if broken/worn. Consult snowblower manual for engagement mechanism repair.

If troubleshooting steps do not resolve the issue, consult a qualified service technician or refer to your snowblower's comprehensive service manual.

8. Specifications

Product Name	Snowblower V-Belt
Brand	Briggs & Stratton
Model Number	20-1820
Length	39 inches (39")
Width	0.5 inches (1/2")
Belt Style	V Belt
Compatible Devices	Snow Blower
Replaces OEM Part Numbers	Toro 20-1820, Simplicity 8021077, AMF/DYNAMARK/NOMA 42858, MTD 754-0190, MTD 954-0190, SILVER STREAK 75-006, SILVER STREAK 75-439, SILVER STREAK 75-739, SIMPLICITY/ALLIS CHA 1665706, SIMPLICITY/ALLIS CHA 1665706SM, SOUTHLAND SP9-413, STEINER 81A038, TORO/WHEEL HORSE 1563, TORO/WHEEL HORSE 3-8445, WESTERN AUTO 16149

9. Warranty and Support

For specific warranty information regarding your Briggs & Stratton Snowblower V-Belt, please refer to the product packaging or contact the retailer from whom the product was purchased. For technical support or further assistance, please contact Briggs & Stratton customer service or visit their official website.

It is recommended to retain your purchase receipt for warranty purposes.