

## PORTER-CABLE PCC670B

# PORTER-CABLE 20V MAX Reciprocating Saw

**MODEL: PCC670B**

Instruction Manual

## 1. Introduction

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Thank you for choosing the PORTER-CABLE 20V MAX Reciprocating Saw (PCC670B). This powerful cordless tool is designed for aggressive cutting applications across various materials. This manual provides essential information for safe operation, proper maintenance, and optimal performance of your reciprocating saw. Please read all instructions carefully before use.

## 2. General Safety Instructions

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**WARNING:** Read all safety warnings, instructions, illustrations, and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

- Always wear eye protection, such as safety glasses or goggles, and hearing protection when operating power tools.
- Keep work area clean and well-lit. Cluttered or dark areas invite accidents.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.
- Dress properly. Do not wear loose clothing or jewelry. Keep your hair and clothing away from moving parts.
- Avoid accidental starting. Ensure the switch is in the off-position before connecting to a battery pack, picking up, or carrying the tool.
- Do not overreach. Keep proper footing and balance at all times.
- Use the correct power tool for your application. Do not force the tool.
- Disconnect the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.
- Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the power tool's operation.

## 3. Components and Features

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Familiarize yourself with the parts of your PORTER-CABLE reciprocating saw for safe and effective use.



This image highlights the key features of the PORTER-CABLE 20V MAX Reciprocating Saw, including its tool-free blade release for quick changes, a pivoting shoe for consistent material contact, a high-performance drivetrain, a comfortable contoured handle, and a variable speed trigger for precise control.

- **Tool-Free Blade Release:** Allows for quick and easy blade changes without additional tools.
- **Pivoting Shoe:** Helps maintain constant contact with the material being cut, improving stability and control.
- **High Performance Drivetrain:** Delivers a 1-inch stroke length and 0-3,000 SPM (strokes per minute) for aggressive cutting speed.
- **Contoured Overmolded Handle:** Designed for enhanced comfort and grip during extended use.
- **Variable Speed Trigger:** Provides greater control over cutting speed, allowing adjustment for different materials and applications.

## 4. Setup

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### 4.1. Battery Installation

The PORTER-CABLE PCC670B is a tool-only unit. A 20V MAX lithium-ion battery and charger (sold separately) are required for operation.

1. Ensure the saw's trigger is in the OFF position.
2. Align the battery pack with the battery port on the tool.
3. Slide the battery pack into the tool until it clicks securely into place.
4. To remove the battery, press the release button on the battery pack and slide it out.

### 4.2. Blade Installation and Removal

This saw features a tool-free blade release for quick and easy blade changes.

1. **To Install a Blade:** Rotate the blade clamp collar counter-clockwise. Insert the blade shank fully into the clamp. Release the collar to secure the blade. Tug on the blade to ensure it is firmly seated.
2. **To Remove a Blade:** Rotate the blade clamp collar counter-clockwise. The blade will release.

Your browser does not support the video tag.

This video demonstrates the process of installing and removing blades from a reciprocating saw, adjusting the shoe angle, and operating the variable speed trigger. It also shows the saw cutting through various materials like wood, plastic, and metal.

## 5. Operation

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### 5.1. Starting and Stopping

- To start the saw, depress the variable speed trigger.
- To stop the saw, release the variable speed trigger.
- The variable speed trigger allows you to control the cutting speed by varying the pressure applied.



TOOL ONLY

## COMPACT 14-1/2 IN. LENGTH FOR TIGHT SPACES

A hand is shown adjusting the variable speed trigger of the PORTER-CABLE reciprocating saw, illustrating the control available for different cutting applications.

### 5.2. Cutting Techniques

- **General Cutting:** Hold the saw firmly with both hands. Place the pivoting shoe against the workpiece. Depress the trigger and allow the blade to reach full speed before engaging the material. Apply steady, even pressure.
- **Cutting in Tight Spaces:** The saw's compact 14.5-inch length allows access to confined areas. Ensure adequate clearance around the blade and tool body.
- **Pivoting Shoe:** Utilize the pivoting shoe to maintain consistent contact with the material, especially on irregular surfaces, for improved stability and reduced vibration.



**\*Maximum initial battery voltage (measured without a workload) is 20 volts. Nominal voltage is 18 volts.**

A user demonstrates cutting into a wooden wall stud with the PORTER-CABLE reciprocating saw, showcasing its application in construction or demolition tasks.



**TOOL ONLY**

# **HIGH PERFORMANCE DRIVETRAIN DELIVERS 0-3,000 SPM**

This close-up view shows the PORTER-CABLE reciprocating saw in action, cutting through a wooden beam. The image emphasizes the tool's compact design, allowing access to confined spaces.



# MATCH SPEED TO APPLICATION WITH VARIABLE SPEED TRIGGER

The pivoting shoe of the PORTER-CABLE reciprocating saw is shown maintaining constant contact with the material, which helps stabilize the saw during cutting operations.

## 6. Maintenance

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### 6.1. Cleaning

- Keep the tool's air vents clean to prevent overheating.
- Use a clean cloth to wipe down the tool. Do not use solvents or harsh chemicals.
- Regularly remove sawdust and debris from the blade clamp area.

### 6.2. Blade Care

- Always use sharp, undamaged blades appropriate for the material being cut.
- Replace dull or bent blades immediately to ensure efficient cutting and prevent strain on the tool.

## 7. Troubleshooting

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Problem	Possible Cause	Solution
Saw does not start.	Battery not charged or improperly installed.	Ensure battery is fully charged and correctly inserted until it clicks.
Reduced cutting performance.	Dull or incorrect blade for the material.	Replace with a sharp blade suitable for the material.
Excessive vibration.	Loose blade or damaged blade.	Check blade for secure installation and damage. Replace if necessary.

## 8. Specifications

Feature	Detail
Model Number	PCC670B
Voltage	20 Volts MAX (Battery sold separately)
Stroke Length	1 inch
Strokes Per Minute (SPM)	0-3,000
Tool Length	14.5 inches (36.83 cm)
Weight (Tool Only)	3.75 lbs (1.7 kg)
Power Source	Battery Powered
Blade Material	High-Speed Steel (typical for included blade, varies by accessory)
Special Features	Variable Speed, Tool-Free Blade Release, Pivoting Shoe

## 9. Warranty and Support

For warranty information, technical support, or to purchase replacement parts and accessories, please refer to the official PORTER-CABLE website or contact their customer service department. Keep your purchase receipt as proof of purchase.