

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

› [RYOBI](#) /

› [RYOBI ONEAND 18V 5.5IN. Cordless Flooring Saw \(Model PGC21B\) Instruction Manual](#)

RYOBI PGC21B

RYOBI ONEAND 18V 5.5IN. Cordless Flooring Saw

Model: PGC21B

Brand: RYOBI

1. INTRODUCTION

Thank you for choosing the RYOBI ONEAND 18V 5.5IN. Cordless Flooring Saw. This manual provides essential information for the safe operation, maintenance, and troubleshooting of your new tool. Please read it thoroughly before use and keep it for future reference.

Included Components:

- 24T Thin Kerf Flooring Blade
- Push Stick
- Dust Bag
- Blade Wrenches
- Operator's Manual (this document)

2. GENERAL SAFETY INFORMATION

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury. Keep your work area clean and well-lit. 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. Wear appropriate personal protective equipment, including eye protection, hearing protection, and gloves.

3. SETUP

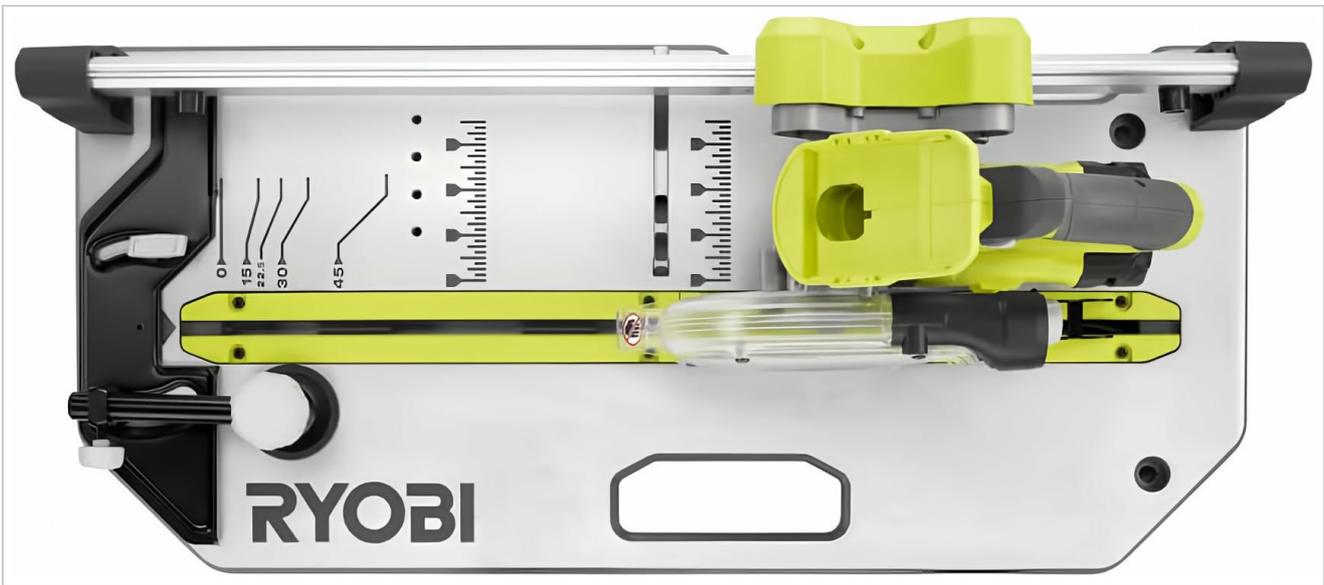


Figure 1: The RYOBI ONEAND 18V 5.5IN. Cordless Flooring Saw, showcasing its compact design, blade guard, and dust collection bag. The tool is designed for precision cutting of various flooring materials.

3.1 Assembly

1. **Blade Installation:** Using the provided blade wrenches, securely attach the 24T Thin Kerf Flooring Blade to the saw spindle. Ensure the blade is oriented correctly for cutting.
2. **Dust Bag Attachment:** Connect the dust bag to the saw's dust port. This helps manage sawdust and maintain a cleaner work environment.
3. **Push Stick Placement:** Keep the push stick readily accessible. It is crucial for safely guiding workpieces through the saw blade.

3.2 Battery Installation

Ensure the 18V battery is fully charged before installation. Slide the battery pack into the tool's battery port until it clicks securely into place. To remove, press the release latch and slide the battery out.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

To turn the saw ON, depress the safety switch and then squeeze the trigger. To turn the saw OFF, release the trigger. Always ensure the saw is off and the blade has stopped rotating before making any adjustments or leaving the tool unattended.

4.2 Depth Adjustment

The saw features a depth adjustment mechanism for precise control over cutting depth. Loosen the depth adjustment knob, set the desired depth, and then securely tighten the knob before making a cut. This ensures the blade cuts only as deep as necessary, preventing damage to underlying surfaces.

4.3 Angle Adjustment (Miter and Bevel)

This flooring saw allows for both miter (horizontal) and bevel (vertical) angle adjustments to accommodate various cutting needs.

Video 1: This video demonstrates the miter and bevel angle adjustment capabilities of the RYOBI 18V ONE+ 5-1/2" Flooring Saw, showing how to set precise angles for various cuts on luxury vinyl, hardwood, and laminate flooring.

- **Miter Adjustment:** To change the miter angle, loosen the miter lock knob, rotate the saw table to the desired angle (e.g., 0°, 15°, 22.5°, 30°, 45°), and then tighten the knob to secure it.
- **Bevel Adjustment:** For bevel cuts, loosen the bevel lock lever located at the rear of the saw. Tilt the saw head to the desired angle (e.g., up to 45°), and then re-tighten the lever.

Video 2: This video highlights the ease of use and versatility of the RYOBI flooring saw, demonstrating its ability to make various cuts for flooring installations. It shows the saw's sliding feature and angle adjustments.

4.4 Making Cuts

Always ensure the workpiece is securely clamped or held against the fence. Use the push stick when cutting smaller pieces. Guide the saw smoothly through the material, allowing the blade to do the work. Avoid forcing the saw, as this can lead to kickback or poor cut quality.

Video 3: This video demonstrates the RYOBI flooring saw in action, showcasing its effectiveness and convenience for making cuts on various materials. It highlights the tool's performance during typical usage.

5. MAINTENANCE

5.1 Blade Replacement

Always disconnect the battery before attempting to change the blade. Use the provided blade wrenches to loosen the arbor nut, remove the old blade, and install the new 24T Thin Kerf Flooring Blade. Ensure the new blade is correctly seated and the arbor nut is securely tightened.

5.2 Cleaning

Regularly empty the dust bag to maintain efficient dust collection. Use a dry cloth to wipe down the saw after each use. Periodically inspect the blade guard and other moving parts for debris buildup and clean as necessary to ensure smooth operation.

6. TROUBLESHOOTING

- **Saw Not Starting:** Check if the battery is fully charged and properly installed. Ensure the safety switch is depressed before squeezing the trigger.
- **Poor Cut Quality:** A dull or damaged blade can cause poor cut quality. Replace the blade if necessary. Ensure the workpiece is stable and the saw is guided smoothly.
- **Excessive Dust:** Verify the dust bag is properly attached and not full. Clean the dust port if it appears clogged.

7. SPECIFICATIONS

Feature	Specification
Brand	RYOBI
Model Number	PGC21B
Voltage	18 Volts
Amperage	9 Amps
Blade Size	5.5 Inches (24T Thin Kerf Flooring Blade)

Power Source	Battery Powered
Special Feature	Depth Adjustment
Item Weight	20.4 pounds (9.25 Kilograms)
Product Dimensions	29.5 x 14.5 x 12.5 inches

8. WARRANTY AND SUPPORT

8.1 Warranty Information

This RYOBI ONEAND 18V 5.5IN. Cordless Flooring Saw (Model PGC21B) comes with a 3-Year Limited Warranty. Please refer to the warranty card included with your product for full terms and conditions, or visit the official RYOBI website for more details.

8.2 Customer Support

For technical assistance, replacement parts, or any questions regarding your product, please contact RYOBI Customer Service. Contact information can typically be found on the RYOBI official website or on the product packaging.