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› [Greenworks 24V Brushless 1-inch Compact One-Handed Reciprocating Saw \(Model RSG404\) User Manual](#)

Greenworks RSG404

Greenworks 24V Brushless 1-inch Compact One-Handed Reciprocating Saw (Model RSG404) User Manual

Your guide to safe and efficient operation.

1. INTRODUCTION

Thank you for choosing the Greenworks 24V Brushless 1-inch Compact One-Handed Reciprocating Saw, Model RSG404. This tool is designed for efficient cutting across various materials, offering portability and power within the Greenworks 24V lithium-ion platform. This manual provides essential information for safe operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your tool.

2. SAFETY INFORMATION

WARNING: Read all safety warnings and instructions before operating this power tool. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

General Power Tool Safety

- Always wear eye protection and hearing protection.
- Keep 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.
- Avoid unintentional starting. Ensure the switch is in the off-position before connecting to battery pack, picking up or carrying the tool.
- Do not overreach. Keep proper footing and balance at all times.
- Disconnect the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.

Battery Safety (Battery Sold Separately)

- Use only with Greenworks 24V lithium-ion battery packs.
- Do not charge battery packs in damp or wet locations.
- Do not store the tool and battery pack in locations where the temperature may reach or exceed 104°F (40°C).
- Do not incinerate the battery pack even if it is severely damaged or is completely worn out. The battery pack can explode in a fire.

3. PRODUCT FEATURES

Brushless Motor Technology

The high-efficiency brushless motor delivers up to 50% more run-time and increased performance compared to brushed motors, ensuring longer tool life and consistent power output.



Image: Diagram highlighting key features like cushioned overmold grip, brushless motor, LED worklight, tool-free blade change, pivoting shoe, and variable speed trigger.

Variable Speed & Stroke Length

Features a 1-inch stroke length and a variable speed trigger, allowing for precise control from 0 to 3000 strokes per minute (SPM). This adaptability makes it suitable for cutting through a variety of materials with optimal efficiency.



**Variable
Speed Trigger**

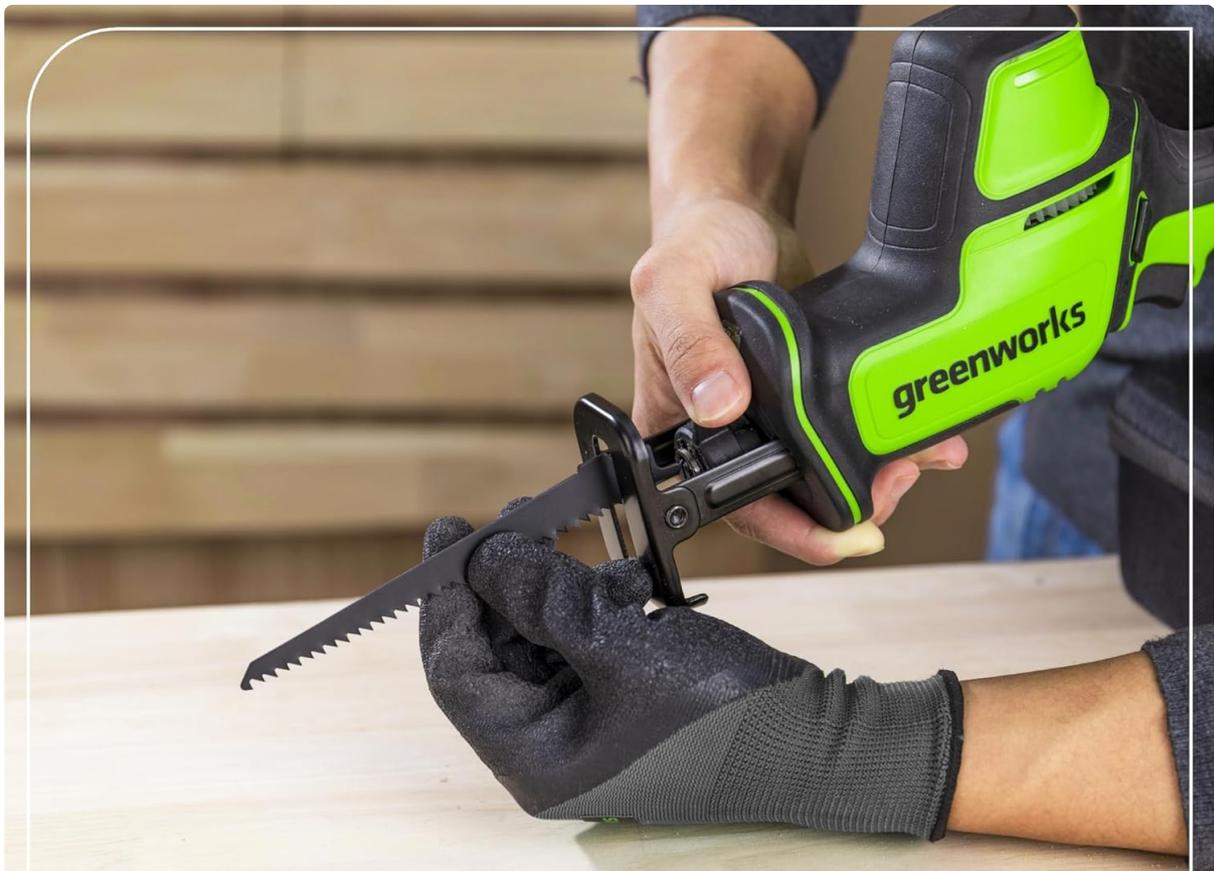
**THE PERFECT SPEED FOR
EVERY APPLICATION**

WITH 0 - 3000 SPM

Image: Close-up of a hand operating the variable speed trigger on the reciprocating saw, demonstrating precise control.

Quick Tool-Free Blade Change

The tool-free blade release system enables fast and easy blade changes, minimizing downtime and enhancing productivity.



EASY BLADE CHANGES

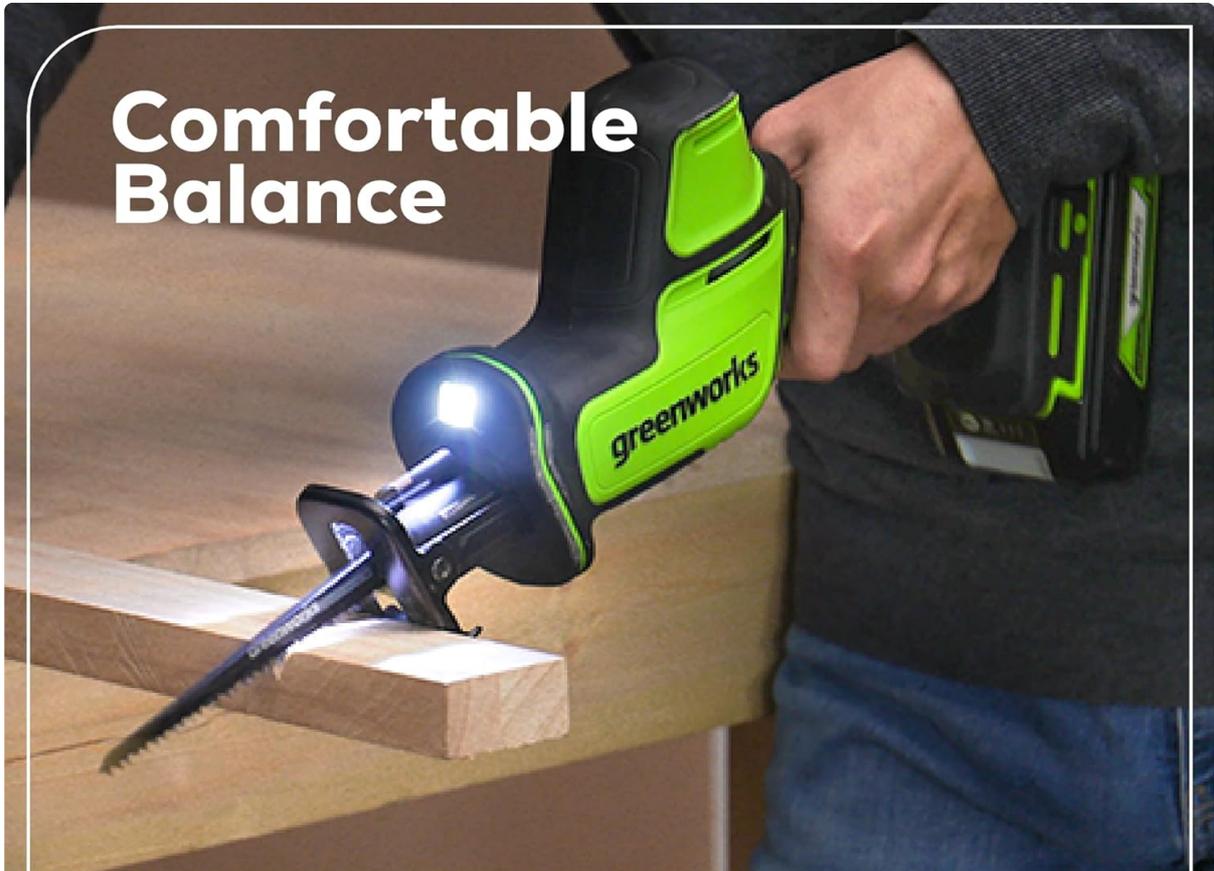
WITH TOOL FREE BLADE RELEASE

Image: A person's hands are shown easily changing the blade on the reciprocating saw using the tool-free release mechanism.

Compact Design & LED Worklight

Its compact body is designed for a comfortable one-handed grip, making it ideal for working in dark or tight spaces. An integrated LED worklight illuminates the cutting area for improved visibility.

Comfortable Balance



ENHANCED SIGHTLINES

WITH BUILT-IN LED

Image: The reciprocating saw is shown in use, with its built-in LED worklight brightly illuminating the cutting path on a wooden beam.

Pivoting Shoe for Stability

The pivoting shoe provides additional stability during cuts, enhancing control and improving overall cutting performance.

Low Vibration



IMPROVED CUTTING PERFORMANCE

WITH PIVOTING SHOE

Image: The reciprocating saw is shown cutting wood, with the pivoting shoe resting against the workpiece for enhanced stability.

Versatile Material Cutting

Capable of cutting various materials including plywood, drywall, PVC, and lumber, making it a versatile tool for multiple applications.



Image: A collage displaying different materials such as plywood, drywall, PVC pipes, and lumber, illustrating the saw's versatility.

4. PACKAGE CONTENTS

The Greenworks 24V Brushless 1-inch Compact One-Handed Reciprocating Saw (Model RSG404) "Tool Only" package typically includes:

- Greenworks 24V Brushless 1-inch Compact One-Handed Reciprocating Saw Body
- Reciprocating Saw Blade (typically one general-purpose blade)
- Operator's Manual

Note: Battery and charger are sold separately.

5. SETUP

5.1 Installing/Removing the Blade

1. Ensure the tool is disconnected from the battery pack for safety.
2. Locate the tool-free blade release lever on the front of the saw.

3. Push the blade release lever fully forward and hold it.
4. Insert the shank of the reciprocating saw blade into the blade clamp until it clicks into place. Ensure the blade is fully seated.
5. Release the blade release lever. Gently pull on the blade to confirm it is securely locked.
6. To remove the blade, push the blade release lever fully forward and hold it, then pull the blade straight out.

5.2 Installing/Removing the Battery (Battery Sold Separately)

1. Align the battery pack with the battery port on the bottom of the saw handle.
2. Slide the battery pack into the tool until it locks securely into place. You should hear a "click".
3. To remove the battery, press the battery release button (usually located on the battery itself or the tool near the battery port) and slide the battery pack out.

6. OPERATING INSTRUCTIONS

6.1 Powering On/Off

- To turn on the saw, slide the safety lock button (located above the trigger) to the unlocked position, then press the variable speed trigger.
- To turn off the saw, release the variable speed trigger. For added safety, slide the safety lock button to the locked position when not in use.

6.2 Cutting Techniques

- **General Cutting:** Hold the saw firmly with one hand, ensuring a stable grip. Place the pivoting shoe firmly against the workpiece. Start the saw at a low speed and gradually increase as the blade engages the material.
- **Plunge Cutting:** For plunge cuts (e.g., in drywall), tilt the saw forward so the pivoting shoe rests on the workpiece and the blade tip is clear. Start the saw, then slowly pivot the saw down until the blade cuts through the material.
- **Material Specifics:**
 - **Wood:** Use a coarse-tooth blade for fast cuts, fine-tooth for smoother finishes.
 - **Metal/PVC:** Use a fine-tooth metal-cutting blade. Apply light pressure and allow the saw to do the work.
 - **Drywall:** A general-purpose blade or specialized drywall blade can be used.

6.3 LED Worklight

The integrated LED worklight automatically activates when the trigger is pressed, illuminating the cutting area for improved visibility in low-light conditions.

Your browser does not support the video tag.

Video: Demonstrates the Greenworks 24V Compact One-Handed Reciprocating Saw in action, highlighting its variable speed trigger, 1-inch stroke length, pivoting shoe for stability, and brushless motor technology during cutting tasks.

Your browser does not support the video tag.

Video: Shows the Greenworks 24V Brushless 1-inch One-Handed Reciprocating Saw being used for various cutting applications, emphasizing its compact design and ease of use.

7. MAINTENANCE

7.1 Cleaning

- After each use, clean the tool with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Remove any sawdust or debris from the ventilation openings to prevent overheating.
- Keep the blade clamp area clean to ensure proper blade installation and removal.

7.2 Blade Care

- Inspect blades before each use for sharpness and damage. Replace dull or damaged blades immediately.
- Store blades in a dry place to prevent rust.

8. TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|--------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------------------|
| Saw does not start. | Battery not installed correctly or discharged. Safety lock engaged. | Ensure battery is fully charged and properly seated. Disengage the safety lock. |
| Blade not cutting efficiently. | Dull or incorrect blade for material. Excessive pressure. | Replace with a sharp, appropriate blade. Reduce cutting pressure. |
| Excessive vibration. | Loose blade or damaged blade. | Check blade for secure installation and damage. Replace if necessary. |
| Tool overheats. | Blocked ventilation slots. Prolonged heavy use. | Clean ventilation slots. Allow tool to cool down. |

9. SPECIFICATIONS

| Feature | Detail |
|--------------------------|------------------------------------------------|
| Brand | Greenworks |
| Model Number | RSG404 |
| Voltage | 24 Volts |
| Motor Type | Brushless |
| Stroke Length | 1 Inch |
| Strokes Per Minute (SPM) | 0-3000 (Variable Speed) |
| Item Weight | 3.8 Pounds |
| Power Source | Battery Powered (Lithium Ion, sold separately) |
| Blade Material | High Speed Steel |

| Feature | Detail |
|------------------------|---------------------------|
| Surface Recommendation | Wood |
| Special Feature | Brushless, LED Worklight |
| Product Dimensions | 4.13"L x 13.89"W x 8.46"H |
| UPC | 195526017097 |

10. WARRANTY AND SUPPORT

The Greenworks 24V Brushless 1-inch Compact One-Handed Reciprocating Saw (Model RSG404) comes with a limited warranty. The Greenworks 24V platform typically includes a **3-year tool / battery warranty** to protect your investment.

For detailed warranty terms, service, or technical support, please refer to the official Greenworks website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims. For more information, visit the official Greenworks Store: [Greenworks Store on Amazon](#)