RIDGID R3002

RIDGID R3002 Compact Orbital Reciprocating Saw

Instruction Manual

1. Introduction

Thank you for choosing the RIDGID R3002 Compact Orbital Reciprocating Saw. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your tool. Please read it thoroughly before use and keep it for future reference.

The RIDGID R3002 is designed for cutting various materials, including wood and metal, offering both orbital and linear cutting actions for optimized performance. Its compact design and powerful 9 Amp motor make it suitable for a range of demanding tasks.



An overhead view of the RIDGID R3002 Compact Orbital Reciprocating Saw, showcasing its orange and black housing, ergonomic grip, and the blade chuck mechanism at the front.

2. Safety Information

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury when operating power tools. Failure to follow these instructions may result in serious injury.

- **Work Area Safety:** Keep your 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.
- **Electrical Safety:** Power tool plugs must match the outlet. Never modify the plug. Avoid body contact with earthed or grounded surfaces. Do not expose power tools to rain or wet conditions.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating for extended periods. Dress properly; avoid loose clothing or jewelry. Secure long hair.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.
- **Reciprocating Saw Specific Safety:** Keep hands away from the cutting area and the blade. Do not reach underneath the workpiece. Ensure the blade is properly installed and secured before operation. Be aware of potential kickback, especially when cutting into unknown materials or at awkward angles.

3. Setup

3.1 Unpacking

Carefully remove the saw and all accessories from the packaging. Inspect the tool for any damage that may have occurred during shipping. The package typically includes the RIDGID R3002 Reciprocating Saw, two blades, a carrying bag, and this operator's manual.

3.2 Blade Installation

1. Ensure the saw is unplugged from the power source.
2. Locate the tool-free blade change lever on the front of the saw.
3. Lift or rotate the lever according to the saw's design to open the blade clamp.
4. Insert the shank of the reciprocating saw blade fully into the blade clamp opening.
5. Release the blade change lever to secure the blade. Gently pull on the blade to ensure it is firmly locked in place. A properly installed blade will not pull out easily.

3.3 Power Connection

Connect the 12-foot all-rubber power cord to a standard 120V AC electrical outlet. The lighted plug feature indicates when the tool is receiving power.

4. Operating Instructions

4.1 Power On/Off and Speed Control

The saw is equipped with a variable speed two-finger trigger. To start the saw, depress the trigger. The cutting speed is controlled by the amount of trigger depression; pressing further increases the speed. Release the trigger to turn the saw off.

4.2 Orbital/Linear Action Selection

The R3002 features an orbit dial for selecting the cutting action:

- **Orbital Action:** Ideal for faster cutting through wood and softer materials. The blade moves in an elliptical path, providing a more aggressive cut.
- **Linear Action:** Suitable for precise cuts and cutting through metal. The blade moves in a straight back-and-forth motion.

Adjust the orbit dial to the desired setting before starting your cut.

4.3 Adjustable/Pivoting Shoe

The tool-free adjustable/pivoting shoe helps maintain cutting stability and extends blade life by allowing you to use different sections of the blade. To adjust, release the shoe locking mechanism, slide the shoe to the desired position, and secure the lock. The shoe can also pivot to adapt to various cutting angles and surfaces.

4.4 Cutting Techniques

- Always ensure the workpiece is securely clamped or held.
- Start the saw before contacting the workpiece.
- Apply firm, steady pressure. Do not force the saw, let the blade do the work.
- For plunge cuts, ensure the blade is suitable for plunge cutting and follow proper safety procedures.

5. Maintenance

Regular maintenance ensures the longevity and safe operation of your RIDGID R3002 Reciprocating Saw. Always unplug the tool before performing any maintenance.

- **Cleaning:** Keep the tool's ventilation openings clear of dust and debris to prevent overheating. Wipe down the exterior with a clean, damp cloth. Do not use harsh chemicals or solvents.
- **Blade Care:** Regularly inspect blades for sharpness and damage. Replace dull or bent blades immediately to ensure efficient cutting and prevent strain on the motor.
- **Cord Care:** Inspect the 12-foot all-rubber cord for cuts, fraying, or damage. Use the integrated cord strap for neat storage and to prevent damage.
- **Lubrication:** This tool is designed for maintenance-free operation regarding internal lubrication. Do not attempt to lubricate internal components.

6. Troubleshooting

If you encounter issues with your RIDGID R3002, refer to the following common troubleshooting steps:

- **Tool Does Not Start:**
  - Ensure the power cord is securely plugged into a functional 120V AC outlet.
  - Check the circuit breaker or fuse for the outlet.
  - Verify the lighted plug is illuminated, indicating power supply.
- **Blade Falls Out During Operation:**
  - Ensure the blade was fully inserted into the blade clamp during installation.
  - Confirm the tool-free blade change lever is fully engaged and locked.
  - Inspect the blade clamp mechanism for any visible damage or wear. If damaged, contact customer support.
  - Ensure you are using blades with standard shanks designed for reciprocating saws.
- **Excessive Vibration or Poor Cutting Performance:**
  - Check if the blade is dull, bent, or damaged. Replace if necessary.
  - Ensure the blade is securely installed and not loose.
  - Verify the adjustable shoe is properly positioned and secured against the workpiece.
  - Ensure you are using the appropriate blade type and cutting action (orbital/linear) for the material.

For issues not covered here, please contact RIDGID customer support.

7. Specifications

Model Number	R3002
Input Voltage	120V AC
Amperage	9 Amps
Wattage	1080 watts
Strokes Per Minute (No Load)	0-3500 SPM

Stroke Length	3/4 inch
Item Weight	7 Pounds
Product Dimensions	9.5 x 3.5 x 20 inches
Blade Material	High Speed Steel
Surface Recommendation	Metal, Wood
Power Source	Corded Electric
Special Features	Flexible extension with non-rotating outer surface, Dial Orbit Selection, Tool-Free Blade Change, Tool-Free Adjustable/Pivoting Shoe
Cord Length	12 feet (all rubber with cord strap)

8. Warranty and Support

8.1 Warranty Information

The RIDGID R3002 Compact Orbital Reciprocating Saw is covered by a **Limited Three Year Warranty** and a **90-Day Satisfaction Guarantee Policy**. Additionally, it may be eligible for a **Lifetime Service Agreement**. Please refer to the official RIDGID warranty documentation included with your product or visit the official RIDGID website for complete terms and conditions, including registration requirements.

8.2 Customer Support

For technical assistance, parts, or service, please contact RIDGID customer support. Contact information can typically be found on the official RIDGID website or in the documentation provided with your tool.

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