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› DEWALT Xtreme 12V MAX\* Reciprocating Saw, One-Handed, Cordless Kit (DCS312G1) - Instruction Manual

## DEWALT DCS312G1

# DEWALT Xtreme 12V MAX\* Reciprocating Saw Instruction Manual

Model: DCS312G1

## INTRODUCTION

Thank you for choosing the DEWALT Xtreme 12V MAX\* Reciprocating Saw. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your tool. Please read this manual thoroughly before first use and keep it for future reference.

This compact and powerful tool is designed for one-handed use across a wide range of cutting applications, featuring a brushless motor for enhanced performance and extended life.

## SAFETY INFORMATION

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury. Keep this manual handy for quick reference.

- Wear appropriate personal protective equipment (PPE) including safety glasses, gloves, and hearing protection.
- Ensure your work area is well-lit and clear of obstructions.
- Keep children and bystanders away while operating the tool.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Always disconnect the battery pack before making any adjustments, changing accessories, or storing the tool.
- Use the correct blade for the material being cut.
- Do not force the tool; let the tool do the work.
- Maintain a firm grip on the tool and be aware of kickback.
- Store idle tools out of reach of children and untrained persons.

**Proposition 65 Warning:** This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## PRODUCT OVERVIEW AND COMPONENTS

The DEWALT Xtreme 12V MAX\* Reciprocating Saw kit includes the following components:

- DCS312 12V MAX\* One-Handed Reciprocating Saw

- (2) Reciprocating Saw Blades
- Charger
- 12V MAX\* DCB124 Battery (3.0Ah)
- Kit Bag



Figure 1: Complete DEWALT Xtreme 12V MAX\* Reciprocating Saw kit, showing the saw, battery, charger, and kit bag.



Figure 2: Side view of the DEWALT Xtreme 12V MAX\* Reciprocating Saw, highlighting its compact design.



**Figure 3:** Close-up view of the saw's front, showing the integrated LED light and the tool-free blade release mechanism.



Figure 4: Close-up of the 12V MAX\* 3.0Ah battery, illustrating the charge indicator lights.

## SETUP

### Charging the Battery

Before first use, fully charge the 12V MAX\* 3.0Ah Lithium Ion battery. Refer to the charger's instruction manual for specific charging procedures and indicators.

1. Connect the charger to a suitable power outlet.
2. Slide the battery pack onto the charger until it clicks into place.
3. Allow the battery to charge until the charger indicates a full charge (refer to charger manual for light patterns).
4. Once charged, remove the battery from the charger.

### Installing/Removing the Blade

The DCS312 features a tool-free blade release for quick and easy blade changes.

1. **Ensure the battery pack is removed from the tool before changing blades.**
2. To install a blade, lift the blade clamp lever located near the front of the saw.
3. Insert the shank of the reciprocating saw blade fully into the blade clamp opening.
4. Release the blade clamp lever. Tug on the blade to ensure it is securely locked in place.
5. To remove a blade, lift the blade clamp lever and pull the blade straight out.

## OPERATING INSTRUCTIONS

## General Operation

1. Insert a fully charged battery pack into the tool until it clicks securely.
2. Select the appropriate blade for your cutting material (e.g., wood, metal).
3. Position the shoe of the saw firmly against the workpiece.
4. Depress the variable-speed trigger to start the saw. The speed of the blade is controlled by how far the trigger is depressed.
5. Guide the saw through the material, allowing the blade to do the cutting. Do not force the tool.
6. Release the trigger to stop the saw.

## Cutting Tips

- For plunge cuts, ensure the blade is sharp and the shoe is firmly against the material.
- Always secure the workpiece to prevent movement during cutting.
- Allow the blade to cool down during extended use, especially when cutting metal.
- The integrated LED light will illuminate the work surface when the trigger is pressed.

## MAINTENANCE

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### Cleaning

- **Always disconnect the battery pack before cleaning.**
- Use a clean, damp cloth to wipe down the exterior of the tool. Do not use harsh chemicals or abrasive cleaners.
- Periodically blow out any dust and debris from the motor vents using compressed air.

### 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.

### Battery and Charger Care

- Store batteries in a cool, dry place away from direct sunlight and extreme temperatures.
- Do not store batteries in a discharged state for extended periods.
- Keep the charger clean and free of debris.

## TROUBLESHOOTING

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Problem	Possible Cause	Solution
Tool does not start.	Battery not charged or not properly inserted.	Ensure battery is fully charged and securely inserted.
Blade not cutting efficiently.	Dull or incorrect blade; excessive force.	Replace blade; ensure correct blade type for material; allow tool to work at its own pace.
Excessive vibration.	Loose blade; damaged blade; worn internal components.	Check blade for secure installation and damage; replace if necessary. If problem persists, contact DEWALT service.

Problem	Possible Cause	Solution
Tool stops during operation.	Overload protection activated; battery low.	Reduce cutting pressure; allow tool to cool; recharge battery.

## SPECIFICATIONS

Feature	Detail
Brand	DEWALT
Model Number	DCS312G1
Power Source	Battery Powered
Voltage	12 Volts MAX*
Motor Type	Brushless
Item Weight	3.04 pounds
Product Dimensions	16.19"L x 4.75"W x 10.69"H
Blade Length	8 Inches (typical included blade)
Stroke Length	5/8-inch
Strokes Per Minute (SPM)	Up to 2,800 spm
Battery Type	Lithium Ion (DCB124 3.0Ah included)
Handle Material	Plastic or Thermoplastic Elastomer
UPC	885911690416

\*Maximum initial battery voltage (measured without a workload) is 12 volts. Nominal voltage is 10.8.

## WARRANTY AND SUPPORT

DEWALT provides a limited warranty for its products. For detailed warranty information, including terms, conditions, and registration, please refer to the warranty card included with your product or visit the official DEWALT website.

For technical support, service, or to locate an authorized service center, please visit the DEWALT website or contact their customer service line. Keep your proof of purchase and product model number (DCS312G1) handy when seeking support.

**DEWALT Official Website:** [www.dewalt.com](http://www.dewalt.com)

