

Manuals.plus /

› DEWALT /

› DEWALT Xtreme 12V MAX* Reciprocating Saw (DCS312B) Instruction Manual

DEWALT DCS312B

DEWALT Xtreme 12V MAX* Reciprocating Saw (DCS312B) Instruction Manual

1. INTRODUCTION

Product Overview

This manual provides essential information for the safe and effective operation of your DEWALT Xtreme 12V MAX* One-Handed Reciprocating Saw, model DCS312B. This compact and powerful cordless tool is designed for a wide range of cutting applications, offering portability and ease of use.

Key Features:

- Lightweight and compact design for ultimate portability.
- Ergonomics optimized for comfortable one-handed use.
- Brushless motor for enhanced performance and extended tool life.
- Integrated LED light to illuminate dark workspaces.
- Tool-free blade release for quick and easy blade changes.
- Variable-speed trigger for improved control over cutting speed.



Figure 1: DEWALT Xtreme 12V MAX* Reciprocating Saw (DCS312B). This image displays the main view of the yellow and black cordless reciprocating saw, highlighting its compact design.

2. IMPORTANT SAFETY INSTRUCTIONS

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury when operating power tools. Read and understand all instructions before use.

- **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:** 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 battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.
- **Battery Tool Use and Care:** Recharge only with the charger specified by the manufacturer. Use power tools only with specifically designated battery packs.
- **Specific Reciprocating Saw Safety:** Hold the power tool by insulated gripping surfaces when performing an operation where the cutting accessory may contact hidden wiring.

3. COMPONENTS AND PACKAGE CONTENTS

Your DEWALT DCS312B Reciprocating Saw package includes the following items:

- DCS312 12V MAX* One-Handed Reciprocating Saw (Tool Only)
- (2) Reciprocating Saw Blades
- Instruction Manual

Note: Battery and charger are sold separately.



Figure 2: DEWALT Xtreme 12V MAX* Reciprocating Saw (DCS312B) with blades. This image shows the reciprocating saw from a slightly different angle, emphasizing the blade holder and the compact body.

4. SETUP

Battery Installation and Removal

1. To install the battery pack (sold separately), align the battery pack with the tool's battery port.
2. Slide the battery pack into the tool until it clicks securely into place.
3. To remove the battery pack, press the battery release button and pull the battery pack out of the tool.

Blade Installation and Removal

The DCS312B features a tool-free blade release for quick and easy blade changes.

1. Ensure the tool is switched off and the battery pack is removed before installing or removing a blade.
2. Rotate the blade clamp lever counter-clockwise to open the blade clamp.
3. Insert the shank of the reciprocating saw blade fully into the blade clamp. Ensure the blade teeth are facing the correct direction for cutting.
4. Release the blade clamp lever. The blade should be held firmly in place. Gently pull on the blade to confirm it is secure.
5. To remove a blade, rotate the blade clamp lever counter-clockwise and pull the blade out. Be cautious as the blade may be hot after use.

5. OPERATING INSTRUCTIONS

Powering On/Off and Speed Control

- To turn the tool ON, depress the variable-speed trigger switch.

- To turn the tool OFF, release the trigger switch.
- The variable-speed trigger allows you to control the cutting speed. Pressing the trigger further increases the speed, providing greater control for different materials and applications.

Cutting Techniques

Always ensure the workpiece is securely clamped or held before cutting. Wear appropriate personal protective equipment, including safety glasses and gloves.

- **Starting a Cut:** Place the shoe of the saw firmly against the workpiece. Start the saw at a low speed and gradually increase speed as the blade engages the material.
- **Cutting Metal:** Use a metal-cutting blade. Apply light to moderate pressure. For thicker metals, consider using cutting fluid to prolong blade life and improve cutting efficiency.

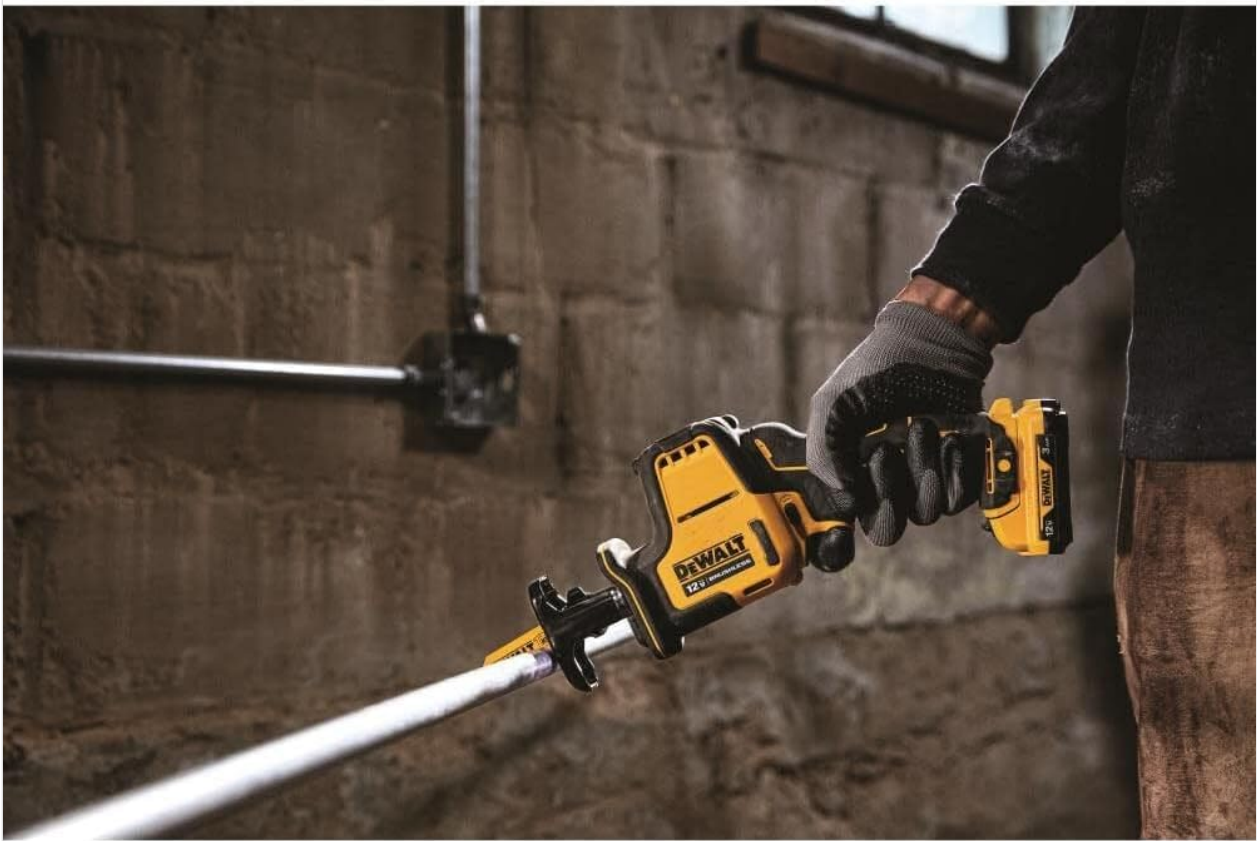


Figure 3: User operating the DEWALT DCS312B reciprocating saw to cut a metal pipe. This image demonstrates the saw in action, highlighting its one-handed operation and suitability for cutting metal.



Figure 4: Close-up of the DEWALT DCS312B reciprocating saw blade cutting a metal pipe. This detailed view shows the blade actively cutting through the material, illustrating the tool's cutting capability.

- **Cutting Wood:** Use a wood-cutting blade. The saw can be used for various wood applications, including rough cutting and demolition.



Figure 5: User operating the DEWALT DCS312B reciprocating saw to cut a wooden board. This image shows the saw being used for a common wood cutting task, demonstrating its versatility.



Figure 6: Another view of the DEWALT DCS312B reciprocating saw cutting a wooden board. This perspective further illustrates the tool's handling and application in wood cutting.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your tool.

- **Cleaning:** Keep the tool's ventilation openings clear and free of debris. Use a clean, dry cloth to wipe down the tool. Do not use solvents or harsh chemicals.
- **Blade Inspection:** Regularly inspect blades for sharpness and damage. Replace dull or damaged blades immediately to ensure efficient and safe cutting.
- **Storage:** Store the tool and battery pack in a cool, dry place, out of reach of children and away from direct sunlight or extreme temperatures. Remove the battery pack from the tool before storage.

7. TROUBLESHOOTING

If you encounter issues with your DEWALT DCS312B, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Tool does not start	Battery not charged or improperly installed.	Ensure battery is fully charged and correctly inserted.
Poor cutting performance	Dull or incorrect blade for material.	Replace blade with a sharp, appropriate blade for the material being cut.
Excessive vibration	Blade not properly secured.	Check blade installation and ensure it is firmly clamped.

If the problem persists after attempting these solutions, contact DEWALT customer service for assistance.

8. SPECIFICATIONS

Detailed technical specifications for the DEWALT Xtreme 12V MAX* Reciprocating Saw (DCS312B):

Feature	Specification
Brand	DEWALT
Model Number	DCS312B
Voltage	12 Volts
Wattage	12 watts
Power Source	Battery Powered
Strokes Per Minute (SPM)	0-2800 spm
Stroke Length	5/8 inch
Item Weight	3.52 pounds (1.6 Kilograms)
Product Dimensions	9.1"L x 9.1"W x 9.1"H
Blade Material	High Speed Steel (for included blades)
Special Feature	Brushless Motor
Included Components	DCS312 12V MAX* One-Handed Reciprocating Saw; (2) Blades

9. WARRANTY AND SUPPORT

Your DEWALT Xtreme 12V MAX* Reciprocating Saw (DCS312B) is covered by a Full Manufacturer's Warranty. For specific details regarding warranty coverage, terms, and conditions, 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 contact DEWALT customer service through their official channels. Always provide your model number (DCS312B) when seeking support.

DEWALT Official Website: www.dewalt.com