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DEWALT DCS373B

DEWALT DCS373B 20V Max Lithium Ion Metal Cutting Circular Saw User Manual

Model: DCS373B | Brand: DEWALT

1. Introduction

This manual provides comprehensive instructions for the safe and effective use of your DEWALT DCS373B 20V MAX* Lithium Ion Metal Cutting Circular Saw. This powerful tool is designed for cutting a variety of metallic construction materials with ease and precision. Please read this manual thoroughly before operation to ensure proper handling, maintenance, and safety.



Figure 1: DEWALT DCS373B 20V Max Lithium Ion Metal Cutting Circular Saw (Tool Only)

2. Product Features

- **Powerful Motor:** Equipped with a 460 MWO, 3700 rpm motor for power and speed to handle demanding cuts.
- **Metal Cutting Blade:** Features a 5-1/2-inch 30T carbide-tipped blade specifically designed for quickly and cleanly cutting various metallic construction materials.
- **Enhanced Visibility:** Bright LED light with a 20-second delay after trigger release illuminates the material and cut line for improved accuracy.
- **Sight-Line Window:** Provides a clear view of the material during cutting operations.
- **Durable Construction:** High-strength steel shoe offers durability and resistance against chip build-up.
- **Ergonomic Grip:** Optimized rubber overmolded comfort grip ensures optimal balance and control during use.



Figure 2: Key features including ergonomic grips and LED light.



Figure 3: High-performance motor for efficient cutting.



Figure 4: Durable high-strength steel shoe.

3. Setup

3.1 Battery Installation

The DEWALT DCS373B is a battery-operated tool. Ensure you have a compatible DEWALT 20V MAX* Lithium Ion battery (sold separately) charged before installation.

1. Align the battery with the tool's battery port.
2. Slide the battery into the port until it clicks securely into place. Ensure it is fully seated to prevent accidental dislodgement during operation.
3. To remove the battery, press the release button on the battery pack and slide it out of the tool.

4. Operating Instructions

4.1 General Operation

Before operating the saw, ensure the work area is clear and you are wearing appropriate personal protective equipment (PPE), including safety glasses, hearing protection, and gloves.

- Hold the saw firmly with both hands using the main handle and the auxiliary handle for optimal control. The rubber overmolded grips provide a secure hold.
- To start the saw, depress the trigger switch. The blade will begin to spin, and the LED work light will illuminate the cutting path.
- Allow the blade to reach full speed before beginning the cut.
- Guide the saw smoothly through the material, maintaining a consistent feed rate. Do not force the saw.
- Release the trigger switch to stop the saw. The blade will come to a stop, and the LED light will remain on for 20 seconds.

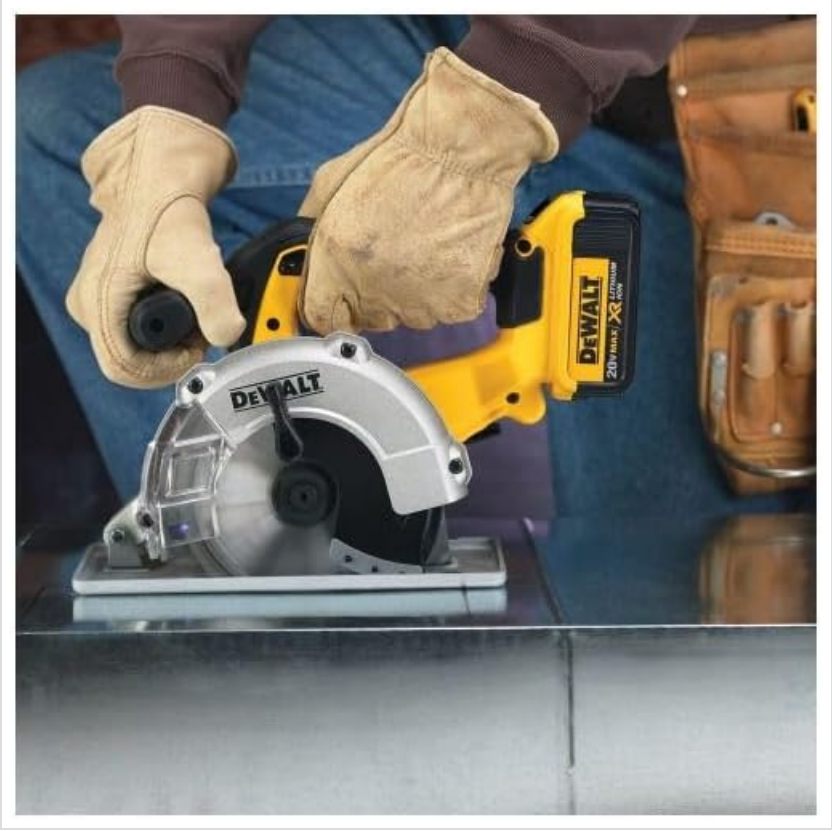


Figure 5: Saw in operation on a flat metal surface.

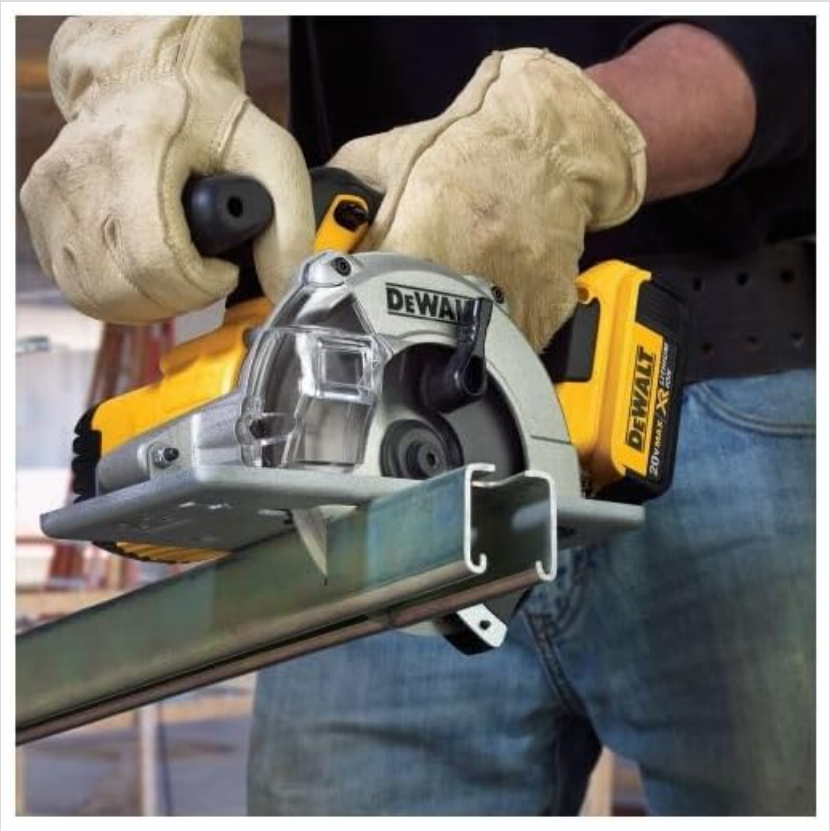


Figure 6: Saw in operation cutting a metal channel.

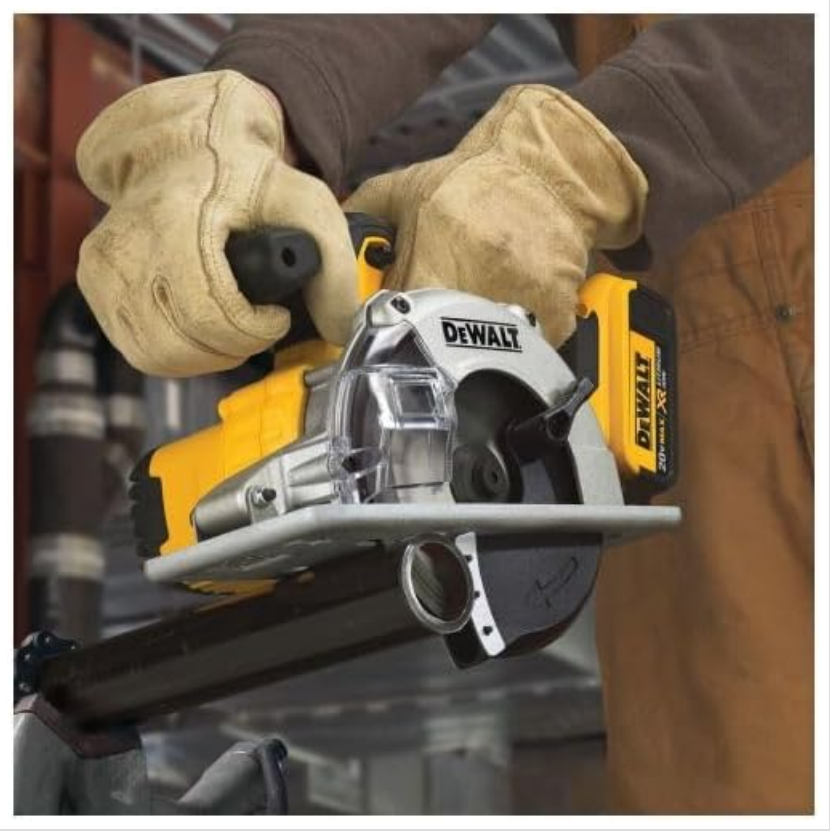


Figure 7: Saw in operation cutting a metal pipe.

4.2 Adjusting Cutting Angle

The saw allows for angle adjustments up to 57 degrees for various cutting needs.

1. Locate the angle adjustment lever on the saw's base.
2. Loosen the lever and pivot the base to the desired angle, indicated by the angle scale.

3. Once the desired angle is set, securely tighten the adjustment lever to lock the base in place.

5. Maintenance

Regular maintenance ensures the longevity and optimal performance of your circular saw.

- **Cleaning:** Keep the tool clean and free of debris, especially around the blade guard and motor vents. Use a dry cloth to wipe down the surfaces. The design allows for easy cleaning.
- **Blade Inspection:** Regularly inspect the carbide-tipped blade for wear, damage, or dullness. Replace the blade if necessary to ensure clean and efficient cuts.
- **Battery Care:** Store batteries in a cool, dry place. Do not store them in direct sunlight or where temperatures can exceed 104°F (40°C).
- **General Inspection:** Periodically check all screws, nuts, and bolts for tightness. Tighten any loose fasteners.

6. Troubleshooting

If you encounter issues with your DEWALT DCS373B circular saw, refer to the following common troubleshooting tips:

- **Saw Not Starting:** Ensure the battery is fully charged and properly installed. Check for any obstructions around the trigger switch or blade guard.
- **Poor Cutting Performance:** Inspect the blade for dullness or damage. Replace the blade if needed. Ensure the material is properly secured and the cutting angle is correctly set.
- **Excessive Vibration/Noise:** Check if the blade is securely fastened and not warped. Ensure all components are properly assembled. If the issue persists, discontinue use and contact DEWALT service.

7. Specifications

Specification	Detail
Brand	DEWALT
Model Number	DCS373B
Power Source	Battery Powered (20V)
Motor Speed	3700 RPM
Blade Diameter	5-1/2 inches
Blade Material	Carbide-Tipped (for Metal)
Max Cutting Angle	57 Degrees

Item Weight	6.8 pounds
Product Dimensions	15.5"L x 8.5"W x 10.5"H
Included Components	DCS373 Metal Cutting Circular Saw, 5-1/2" Carbide-Tipped Metal Cutting Blade

8. Warranty & Support

Your DEWALT DCS373B 20V Max Lithium Ion Metal Cutting Circular Saw comes with a **3-year limited manufacturer's warranty**. This warranty covers defects in material or workmanship. Please retain your proof of purchase for warranty claims.

For technical support, service, or to inquire about replacement parts, please visit the official DEWALT website or contact their customer service. You can also find more information and products at the DEWALT Store on Amazon.

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