**DEWALT DCS373B**

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

Model: DCS373B | Brand: DEWALT

## 1. Introduction

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your DEWALT DCS373B 20V Max Lithium Ion Metal Cutting Circular Saw. Please read this manual thoroughly before using the tool to ensure proper handling and to maximize its performance and lifespan. This tool is designed for cutting various metal materials using the appropriate blade.

## 2. General Safety Information

Always follow basic safety precautions when using power tools to reduce the risk of fire, electric shock, and serious personal injury. Keep this manual for future reference.

### Work Area Safety

- Keep 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. Power tools create sparks which may ignite the dust or fumes.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

### Electrical Safety

- Power tool plugs must match the outlet. Never modify the plug in any way.
- Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.

### Personal Safety

- Always wear eye protection. Use safety glasses or goggles.
- Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts.
- Stay alert, watch what you are doing and use common sense when operating a power tool.

## 3. Components and Features

Familiarize yourself with the parts of your DEWALT DCS373B Circular Saw.




This image displays the DEWALT DCS373B 20V Max Lithium Ion Metal Cutting Circular Saw, featuring its yellow and black body, silver blade guard, and handle. Below the saw is a separate image of the DEWALT 5-1/2 inch 30T carbide-tipped metal cutting blade.

- **Motor Housing:** Contains the powerful 460 MWO, 3700 rpm motor.
- **Handle:** Ergonomically designed for comfortable grip and control.
- **Blade Guard:** Provides protection during operation.
- **Base Plate:** Supports the saw during cutting.
- **Blade:** The included 5-1/2" 30T carbide tipped metal cutting blade is specifically designed for metal cutting.

- **Battery Port:** For inserting 20V Max Lithium Ion battery (battery sold separately).

# 4. Setup

## Battery Installation

1. Ensure the saw is turned off and the trigger is locked.
2. Align the battery pack with the battery port on the saw.
3. Slide the battery pack into the port until it clicks securely into place.
4. To remove, press the battery release button and pull the battery pack out.

## Blade Installation/Removal

Always disconnect the battery pack before installing or removing the blade.

1. Locate the spindle lock button. Press and hold it to prevent the spindle from rotating.
2. Using the appropriate wrench (often stored on the saw), loosen the arbor bolt by turning it counter-clockwise.
3. Lift the blade guard and carefully remove the old blade.
4. Place the new 5-1/2" 30T carbide tipped metal cutting blade onto the arbor, ensuring the teeth are oriented correctly for cutting (usually indicated by an arrow on the blade matching an arrow on the saw).
5. Replace the arbor bolt and tighten it securely by turning clockwise while holding the spindle lock button. Do not overtighten.
6. Release the spindle lock.

# 5. Operating Instructions

## General Operation

- Ensure the workpiece is securely clamped to prevent movement during cutting.
- Wear appropriate personal protective equipment (PPE), including eye protection, hearing protection, and gloves.
- Hold the saw firmly with both hands.
- Align the blade with your cutting line.
- Start the saw before the blade contacts the workpiece. Allow the blade to reach full speed.
- Apply steady, even pressure to feed the saw through the material. Do not force the saw.
- Once the cut is complete, release the trigger and allow the blade to stop completely before lifting the saw from the workpiece.

## Cutting Metal

The DEWALT DCS373B is specifically designed for metal cutting. Use only metal-cutting blades with this tool.

- Ensure the metal workpiece is stable and cannot shift.
- For optimal results and blade life, maintain a consistent feed rate.
- Be aware of sparks and hot metal chips during operation. Ensure no flammable materials are nearby.
- Allow the blade to cool down periodically during extended cutting sessions.

# 6. Maintenance

Regular maintenance ensures the longevity and safe operation of your saw.

### Cleaning

- After each use, disconnect the battery and use a clean, dry cloth to wipe down the tool.
- Remove any metal dust or debris from the blade guard, base plate, and motor vents using compressed air or a brush.
- Do not use harsh chemicals or abrasive cleaners.

### Blade Care

- Inspect the blade regularly for wear, damage, or dullness. A dull blade can cause overheating and poor cuts.
- Replace worn or damaged blades immediately with genuine DEWALT replacement blades.
- Store blades in a dry place to prevent rust.

## 7. Troubleshooting

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

| Problem | Possible Cause | Solution |
|---|---|---|
| Saw does not start | Battery not charged or improperly installed | Charge battery; ensure battery is fully seated and clicked into place. |
| Blade not cutting efficiently | Dull or damaged blade; incorrect blade for material | Replace blade; ensure correct blade type for metal cutting. |
| Excessive vibration | Loose blade; damaged blade; worn components | Check blade tightness; replace blade; contact service center if issue persists. |
| Overheating | Forcing the saw; dull blade; blocked vents | Reduce feed pressure; replace blade; clear motor vents. |

## 8. Specifications

| Feature | Specification |
|---|---|
| Model Number | DCS373B |
| Voltage | 20V Max |
| No Load Speed | 3700 RPM |
| Blade Diameter | 5-1/2 inches |
| Blade Type | 30T Carbide Tipped Metal Cutting Blade |
| Power Source | Cordless (Battery Operated) |
| Material | Metal (Blade) |

## 9. Warranty and Support

DEWALT provides a limited warranty for its products. For detailed warranty information, including 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 visit www.dewalt.com or contact DEWALT customer service.

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