DEWALT DCCS623B

DEWALT 20V MAX 8-Inch Pruning Chainsaw (DCCS623B) Instruction Manual

Model: DCCS623B

1. Introduction and Overview

The DEWALT 20V MAX 8-inch Pruning Chainsaw (DCCS623B) is a lightweight and compact tool designed for efficient cutting, trimming, and pruning. Its high-efficiency brushless motor is engineered to maximize runtime and motor life, offering up to 70 cuts per charge on 4" x 4" pressure-treated pine when using a DCB230 battery (sold separately). Weighing just 4.6 lbs (tool only), this chainsaw is 61% lighter and 3X more compact than previous models, reducing user fatigue during extended use. The compact design allows for easy access to tight spaces, and an integrated tip guard provides stability during upcuts. The tool also features auto-oiling for continuous lubrication, ensuring smooth operation and chain longevity.



Figure 1: DEWALT 20V MAX 8-Inch Pruning Chainsaw (DCCS623B)

2. Important Safety Information

Always read and understand all safety warnings and instructions before operating the chainsaw. Failure to follow these warnings may result in electric shock, fire, and/or serious injury. This product contains chemicals known to the

State of California to cause cancer and birth defects or other reproductive harm. Always wear appropriate personal protective equipment (PPE) including eye protection, hearing protection, gloves, and sturdy footwear when operating the chainsaw.

General Chainsaw Safety Guidelines:

- Keep all parts of the body away from the saw chain when the chainsaw is operating.
- Always hold the chainsaw with both hands when the engine is running.
- Ensure your work area is clear of obstacles and other people.
- Do not operate a chainsaw in a tree.
- Be aware of kickback, which can occur when the moving chain at the tip of the guide bar contacts an object, or when the wood closes in and pinches the saw chain in the cut.
- Never operate the chainsaw when you are tired, ill, or under the influence of drugs or alcohol.

3. Components and Parts

Familiarize yourself with the main components of your DEWALT Pruning Chainsaw:

- **Chainsaw Body:** Main housing for the motor and controls.
- **8-Inch Guide Bar:** Supports the saw chain.
- **Saw Chain:** The cutting element of the chainsaw.
- **Integrated Tip Guard:** Provides stability during upcuts and helps prevent kickback.
- **Oil Reservoir:** Holds bar and chain oil for automatic lubrication.
- **Battery Interface:** Slot for inserting the 20V MAX battery.
- **Hand Guard:** Protects the operator's hand from the chain.
- **Safety Button & Trigger:** Dual-action control for operation.



Figure 2: Chainsaw with 20V MAX battery attached.



Figure 3: Integrated Tip Guard for stability during upcuts.

4. Setup

4.1 Battery Installation

To install the battery, align the battery pack with the rails inside the tool's battery interface and slide it in until it clicks securely into place. To remove, press the battery release button and pull the battery pack out of the tool.

4.2 Chain and Bar Installation/Adjustment

The chainsaw features tool-free chain tensioning. To adjust the chain tension, loosen the side cover nut (using the included onboard wrench if necessary), then turn the tensioning screw until the chain has the correct tension (snug but still able to be pulled around the bar by hand). Ensure the chain is properly seated in the guide bar groove. For full chain or bar replacement, refer to the detailed instructions in the complete manual.

4.3 Oiling the Chainsaw

The DCCS623B features an auto-oiling system for continuous lubrication of the bar and chain. Before each use, ensure the oil reservoir is filled with appropriate bar and chain oil. To fill, unscrew the oil cap, pour oil into the reservoir, and replace the cap securely. The translucent oil tank allows for easy monitoring of oil levels.



Figure 4: Filling the oil reservoir for continuous lubrication.

5. Operating Instructions

To operate the chainsaw, first ensure the battery is installed and the oil reservoir is filled. To start the chainsaw, press the safety button located on the handle with your thumb, then squeeze the trigger. Release the safety button once the chain begins to move. Always maintain a firm grip with both hands during operation.

Pruning and Cutting Techniques:

- **Small Branches:** For branches up to 8 inches in diameter, position the chainsaw firmly against the branch and allow the chain to cut through.
- **Upcuts:** Utilize the integrated tip guard for stability when performing upcuts, which helps prevent kickback.
- **Larger Limbs:** For limbs approaching the maximum cutting capacity, make an undercut first to prevent pinching, then complete the cut from the top.
- **Clearance:** The compact design is ideal for reaching branches in tight spaces.

Official Product Video:

Video 1: Official DEWALT 20V MAX Pruning Chainsaw (DCCS623B) overview, demonstrating key features and usage.

6. Maintenance

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

6.1 Chain Sharpening and Replacement

A sharp chain is crucial for efficient and safe cutting. Sharpen the chain regularly or replace it when it becomes dull or damaged. Refer to the full manual for detailed instructions on chain sharpening angles and replacement

procedures.

6.2 Guide Bar Maintenance

Periodically clean the guide bar groove to remove sawdust and debris. Flip the guide bar regularly to ensure even wear and extend its lifespan.

6.3 Cleaning and Storage

After each use, clean the chainsaw thoroughly, removing any sawdust, sap, or debris from the housing, bar, and chain. Store the chainsaw in a dry, secure location, out of reach of children. Always remove the battery pack before cleaning or storing the tool. Use the provided bar cover to protect the chain during storage and transport.

7. Troubleshooting

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

Problem	Possible Cause	Solution
Chainsaw does not start	Battery not charged or improperly installed; Safety button not pressed.	Ensure battery is fully charged and properly seated. Press safety button before squeezing trigger.
Chain does not move or moves slowly	Chain too tight; Chain dull or damaged; Low battery charge.	Adjust chain tension. Sharpen or replace chain. Recharge battery.
Oil leakage	Overfilled reservoir; Tool stored improperly; Loose oil cap.	Do not overfill. Store tool on its side or with oil drained if storing for long periods. Ensure oil cap is tight.
Reduced cutting performance	Dull chain; Insufficient oil; Improper cutting technique.	Sharpen or replace chain. Fill oil reservoir. Review operating instructions.

For more complex issues, contact DEWALT customer support or a certified service center.

8. Specifications

- **Model:** DCCS623B
- **Power Source:** Battery Powered (20V MAX)
- **Chain Length:** 8 Inches
- **Motor:** High-Efficiency Brushless
- **Item Weight:** 2.09 Kilograms (4.59 pounds) - Tool Only
- **Product Dimensions:** 22.53"L x 11.23"W x 5.25"H
- **Material:** Metal
- **First Available:** April 19, 2023

9. Warranty and Support

This DEWALT product is covered by a Manufacturer Warranty. For specific warranty details, claims, or technical support, please refer to the warranty information included with your product packaging or visit the official DEWALT website. You can also visit the DEWALT Store on Amazon for additional product information and resources.

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