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CUSHYBITE PSBCW01B

User Manual

CUSHYBITE PSBCW01B 18V BRUSHLESS 8-INCH MINI CHAINSAW

Model: PSBCW01B

1. Introduction

Thank you for choosing the CUSHYBITE PSBCW01B 18V Brushless 8-inch Mini Chainsaw. This manual provides essential information for the safe operation, maintenance, and troubleshooting of your new tool. Please read this manual thoroughly before first use to ensure proper handling and to maximize the lifespan of your chainsaw. Keep this manual for future reference.

2. Important Safety Information

Always follow basic safety precautions when using this product to reduce the risk of fire, electric shock, and personal injury.

- **Read All Instructions:** Familiarize yourself with the controls and proper use of the tool.
- **Personal Protective Equipment (PPE):** Always wear safety glasses, hearing protection, gloves, and sturdy footwear. Consider a hard hat and leg protection for extensive use.
- **Work Area:** Keep the work area clean and well-lit. Do not operate in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Avoid Dangerous Environments:** Do not use power tools in damp or wet locations. Do not expose to rain.
- **Stay Alert:** Do not operate the chainsaw when you are tired, under the influence of drugs, alcohol, or medication.
- **Secure Workpiece:** Always ensure the material you are cutting is stable and properly supported.
- **Battery Safety:** Use only the specified 18V ONE+ batteries. Do not expose batteries to water or extreme temperatures. Always remove the battery when not in use or when performing maintenance.
- **Kickback:** Be aware of kickback, which can occur when the tip of the guide bar touches an object, or when the wood closes in and pinches the saw chain in the cut.
- **Maintenance:** Maintain the tool with care. Keep cutting tools sharp and clean for better and safer performance.

3. Product Overview

The CUSHYBITE PSBCW01B is an 18V Brushless 8-inch Mini Chainsaw designed for precision pruning and light cutting tasks. Its compact and lightweight design ensures comfortable and controlled use.

Key Features:

- **8-inch Bar & Chain:** Ideal for pruning and light limbing.
- **Brushless Motor:** Provides efficient power and extended tool life.
- **Automatic Oiler:** Ensures continuous lubrication of the bar and chain for smooth operation and reduced wear.
- **Tool-Free Chain Tensioning:** Allows for quick and easy chain adjustments without additional tools.
- **Variable Speed Trigger:** Offers maximum control over cutting speed.
- **Guarded Handle Design:** Provides added security during operation.
- **Compact Design:** Suitable for working in tight spaces.
- **Battery Compatibility:** Compatible with all 18V ONE+ batteries (battery not included).

Components:



Figure 3.1: Front view of the CUSHYBITE PSBCW01B Mini Chainsaw, highlighting its compact design and 8-inch bar.



Figure 3.2: Detailed diagram showing key components and features including the 8" bar & chain, chain guard, variable speed trigger, guarded handle, and battery compatibility.



Figure 3.3: Side view of the mini chainsaw, showing the motor housing and handle design.



Figure 3.4: Close-up view of the chainsaw's 8-inch bar and chain, designed for efficient cutting.

4. Setup

Before operating the chainsaw, ensure it is properly assembled and prepared.

4.1 Battery Installation

1. Ensure the chainsaw is turned off and the trigger is disengaged.
2. Align the 18V ONE+ battery pack with the battery port on the chainsaw handle.
3. Slide the battery pack into the port until it clicks securely into place.
4. To remove, press the battery release button and slide the battery out.

4.2 Chain Tensioning

This chainsaw features a tool-free chain tensioning system for easy adjustments.

1. Ensure the battery is removed for safety.
2. Locate the chain tensioning knob/dial on the side of the chainsaw.
3. Turn the knob to adjust the chain tension. The chain should be snug against the guide bar, but still able to be pulled freely by hand. There should be no slack on the underside of the guide bar.
4. Avoid over-tightening, as this can cause premature wear to the chain and bar.

4.3 Filling the Automatic Oiler

The chainsaw is equipped with an automatic oiler to lubricate the chain and bar during operation.

1. Ensure the battery is removed.
2. Locate the oil reservoir cap, typically on the top or side of the chainsaw body.
3. Unscrew the cap and fill the reservoir with high-quality bar and chain oil. Do not use motor oil or waste oil.
4. Replace the cap securely. Regularly check the oil level during use and refill as needed.

5. Operating Instructions

Follow these steps for safe and effective operation of your mini chainsaw.

5.1 Starting and Stopping

1. Ensure the battery is fully charged and securely installed.
2. Grip the chainsaw firmly with both hands, ensuring a secure stance.
3. To start, depress the safety lock-out button (if present) and then squeeze the variable speed trigger. The chain will begin to move.

4. To stop, release the variable speed trigger. The chain should stop quickly.

5.2 Cutting Techniques

- **Pruning:** For small branches, position the bottom of the guide bar against the branch and allow the chain to cut through. Avoid cutting with the tip of the bar to prevent kickback.
- **Limbing:** When removing limbs from a fallen tree, work from the bottom up to avoid pinching the bar. Be aware of spring-back from tensioned branches.
- **Control:** Use the variable speed trigger to control the cutting speed. Apply steady, even pressure. Let the saw do the work.
- **Clearance:** Ensure there are no obstructions above or below the cutting path.

6. Maintenance

Regular maintenance ensures optimal performance and extends the life of your chainsaw. Always remove the battery before performing any maintenance.

6.1 Chain Sharpening

A sharp chain is crucial for safe and efficient cutting. If the chain produces fine sawdust instead of chips, or if it requires excessive force to cut, it needs sharpening. Refer to the chain manufacturer's instructions for proper sharpening angles and file sizes. Alternatively, have the chain professionally sharpened.

6.2 Guide Bar Maintenance

- **Clean the Groove:** Regularly clean the guide bar groove to remove sawdust and debris that can impede chain movement and oil flow.
- **Check for Burrs:** Remove any burrs that form on the guide bar rails using a flat file.
- **Flip the Bar:** Periodically flip the guide bar to ensure even wear on both sides.

6.3 Cleaning

- After each use, clean the chainsaw thoroughly. Remove sawdust, chips, and debris from the motor housing, chain, and guide bar.
- Use a soft brush or compressed air. Do not use solvents or abrasive cleaners.

6.4 Oiler System Check

Ensure the automatic oiler is functioning correctly. With the battery installed and the chain running, hold the tip of the guide bar over a light-colored surface. A fine line of oil should be visible, indicating proper lubrication. If not, check the oil reservoir and clear any blockages in the oil port.

7. Troubleshooting

This section addresses common issues you might encounter with your mini chainsaw.

Problem	Possible Cause	Solution
Chainsaw does not start.	Battery not installed correctly or discharged. Safety lock-out not engaged.	Ensure battery is fully charged and properly seated. Press safety lock-out button before squeezing trigger.
Chain does not move or moves slowly.	Chain too tight. Chain dull or damaged. Debris in chain/bar area.	Adjust chain tension. Sharpen or replace chain. Clean guide bar groove and sprocket area.
Poor cutting performance.	Dull chain. Incorrect chain tension.	Sharpen or replace chain. Adjust chain tension.
No oil coming from automatic oiler.	Oil reservoir empty. Oil port clogged.	Refill oil reservoir. Clean oil port and guide bar groove.
Excessive vibration.	Loose chain. Damaged chain or bar.	Adjust chain tension. Inspect chain and bar for damage and replace if necessary.

If you encounter problems not listed here or if solutions do not resolve the issue, please contact customer support.

8. Specifications

Attribute	Value
Model Number	PSBCW01B
Brand	CUSHYBITE
Power Source	Battery-powered
Voltage	18 Volts
Horsepower	0.74 hp
Bar Length	8 inches
Item Weight	1 pounds
Material	Plastic
Color	Green, Black
Included Components	Product & Instructions Guide (Tool Only - Battery Not Included)

9. Warranty and Support

For specific warranty information, please refer to the warranty card included with your product or contact the manufacturer directly. Keep your purchase receipt as proof of purchase.

If you require technical assistance or have questions regarding your CUSHYBITE PSBCW01B Mini Chainsaw, please contact CUSHYBITE customer support through their official website or the contact information provided in the product packaging.

