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WEMARS WS01-12Inch

WEMARS 20V 12" Brushless Chainsaw User Manual

Model: WS01-12Inch

Brand: WEMARS

INTRODUCTION

Thank you for choosing the WEMARS 20V 12" Brushless Chainsaw. This cordless electric chainsaw is designed for efficient wood cutting, tree felling, and limbing tasks. Featuring a powerful brushless motor and an auto-oiling system, it offers reliable performance and ease of use for both professionals and homeowners. This manual provides essential information for safe operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your tool.



Image: The WEMARS 20V 12-inch Brushless Chainsaw, shown with its main body, guide bar, and chain, alongside two 20V 4.0Ah lithium-ion batteries. The chainsaw features a grey and black body with teal accents on the chain and controls.

SAFETY INSTRUCTIONS

Always prioritize safety when operating power tools. Read and understand all safety warnings and instructions before using the chainsaw.

- **Personal Protective Equipment (PPE):** Always wear safety glasses, hearing protection, gloves, and sturdy footwear. Consider a hard hat and leg protection (chaps) for extensive use.
- **Work Area:** Ensure the work area is clear of obstacles, well-lit, and free from bystanders, especially children and pets. Do not operate in wet or damp conditions.
- **Tool Inspection:** Before each use, inspect the chainsaw for any damage, loose parts, or worn components. Ensure the chain is properly tensioned and lubricated.
- **Battery Safety:** Use only the specified battery and charger. Do not expose batteries to extreme temperatures or moisture. Disconnect the battery when not in use, during maintenance, or when changing accessories.
- **Proper Grip:** Always hold the chainsaw firmly with both hands, maintaining a balanced stance.
- **Kickback Prevention:** Be aware of kickback hazards. Avoid cutting with the tip of the guide bar. Maintain a firm grip and proper body positioning.
- **Maintenance:** Perform regular maintenance as described in this manual. A well-maintained tool is

safer to operate.

PACKAGE CONTENTS

Verify that all items are present upon unboxing:

- WEMARS 20V 12" Brushless Chainsaw Unit
- 12-inch Guide Bar
- Saw Chain
- 2 x 20V 4.0Ah Lithium-Ion Batteries
- Battery Charger
- Guide Bar Cover
- User Manual
- Tool Kit (e.g., wrench for chain tensioning)

SETUP

1. Battery Charging

1. Connect the charger to a standard power outlet.
2. Slide the battery pack onto the charger until it clicks into place.
3. Allow the battery to charge fully. The charger indicator light will change (refer to charger manual for specific light patterns).
4. Once charged, remove the battery from the charger.

2. Guide Bar and Chain Installation

Note: Ensure the battery is removed before assembly.

1. Place the chainsaw on a stable, flat surface.
2. Remove the side cover by loosening the retaining knob/nuts.
3. Carefully place the chain around the sprocket and guide bar, ensuring the cutting edges of the chain are facing the correct direction (refer to arrows on the chain and guide bar).
4. Fit the guide bar onto the mounting studs, ensuring the chain fits into the groove of the guide bar.
5. Replace the side cover and lightly tighten the retaining knob/nuts. Do not fully tighten yet.
6. Adjust the chain tension using the tensioning screw. The chain should be snug against the guide bar but still able to be pulled freely by hand. There should be a small gap (approx. 1/8 inch) between the chain and the bottom of the guide bar when lifted.
7. Once tensioned, fully tighten the retaining knob/nuts.

3. Filling the Oil Reservoir

This chainsaw features an auto-oiling system. It is crucial to keep the oil reservoir filled with appropriate bar and chain oil.

1. Locate the oil cap on the chainsaw body.
2. Unscrew the cap and fill the reservoir with high-quality bar and chain oil. Do not overfill.

3. Replace the cap securely.
4. Periodically check the oil level during operation and refill as needed.

OPERATING INSTRUCTIONS

1. Pre-Operation Checklist

- Ensure all safety gear is worn.
- Check chain tension and sharpness.
- Verify oil reservoir is full.
- Confirm battery is fully charged and securely installed.
- Clear the work area of debris and bystanders.

2. Starting the Chainsaw

1. Insert a charged battery into the battery slot until it clicks.
2. Grip the front handle with your left hand and the rear handle with your right hand.
3. Press and hold the safety lock-off button (usually located near the trigger).
4. Squeeze the trigger switch to start the chainsaw. The chain will begin to rotate.

3. Cutting Techniques

- **Felling Small Trees:** Plan your escape path. Make a notch cut on the side of the tree in the direction of the fall, then make a felling cut from the opposite side, slightly above the notch.
- **Limbing:** Work from the bottom up, removing smaller branches first. Be aware of branches under tension that may spring back.
- **Bucking (Cutting Logs):** Support the log to prevent pinching the guide bar. If cutting a log on the ground, cut halfway through, then roll the log and cut from the opposite side.
- **Avoid Kickback:** Never cut with the tip of the guide bar. Always use the bottom or top of the guide bar for cutting.

4. Stopping the Chainsaw

Release the trigger switch. The chain will stop rotating. For extended breaks or storage, remove the battery pack.

MAINTENANCE

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

- **Chain Sharpening:** A sharp chain is essential for efficient and safe cutting. Sharpen the chain regularly or replace it when dull. Refer to the chain manufacturer's specifications for the correct file size and angle.
- **Chain Tension:** Check chain tension frequently, especially during initial use and after prolonged operation. A loose chain can derail, and a too-tight chain can cause excessive wear.
- **Guide Bar Maintenance:** Clean the guide bar groove regularly to remove sawdust and debris. Flip the guide bar periodically to ensure even wear.
- **Cleaning:** After each use, clean the chainsaw body, guide bar, and chain. Remove sawdust, sap,

and debris. Use a brush or compressed air.

- **Oil Reservoir:** Keep the oil reservoir filled with appropriate bar and chain oil. The auto-oiling system requires a constant supply.
- **Storage:** Store the chainsaw in a dry, secure place, out of reach of children. Always attach the guide bar cover before storage. Remove the battery pack for long-term storage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Chainsaw does not start.	Battery not charged or not inserted correctly. Safety lock-off not engaged.	Charge battery fully and reinsert. Ensure safety lock-off button is pressed before trigger.
Chain does not move or moves slowly.	Chain too tight. Chain dull or damaged. Obstruction in guide bar.	Adjust chain tension. Sharpen or replace chain. Clear any debris from guide bar.
Chainsaw cuts poorly or vibrates excessively.	Dull chain. Incorrect chain tension.	Sharpen or replace chain. Adjust chain tension.
No oil or insufficient oil on chain.	Oil reservoir empty. Oil port clogged.	Refill oil reservoir. Clean oil port and guide bar groove.
Motor stops during operation.	Overload protection activated. Battery low.	Reduce cutting pressure. Allow motor to cool. Recharge or replace battery.

If the problem persists after attempting these solutions, please contact WEMARS customer support.

SPECIFICATIONS

Feature	Detail
Brand	WEMARS
Model Number	WS01-12Inch
Guide Bar Length	12 inches
Motor Type	Brushless
Battery Voltage	20V (Max 21V)
Battery Capacity	4.0Ah Lithium Ion (2 included)
Horsepower	550 Watts
Item Weight	7.04 pounds (approx. 3.2 kg)
Product Dimensions	16.14 x 9.25 x 7.87 inches
Auto-Oiling System	Yes

Feature	Detail
UPC	810147641048

WARRANTY AND SUPPORT

WEMARS stands behind the quality of its products. For warranty information, technical support, or to purchase replacement parts, please contact WEMARS customer service through their official website or the retailer where the product was purchased.

Please have your model number (WS01-12Inch) and purchase date available when contacting support.

For more information, visit the [WEMARS Store on Amazon](#).