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WEN 4118

WEN Electric Chainsaw User Manual

Model: 4118 | Brand: WEN

Introduction

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your WEN 15-Amp, 18-Inch Electric Chainsaw (Model 4118). Please read this manual thoroughly before using the chainsaw to ensure proper handling and to prevent injury or damage.

Important Safety Instructions

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

General Safety

- Read all instructions before operating the chainsaw.
- 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.
- 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 grounded surfaces such as pipes, radiators, ranges, and refrigerators. There is an increased risk of electric shock if your body is grounded.
- Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- Do not abuse the cord. Never use the cord for carrying, pulling, or unplugging the power tool. Keep cord away from heat, oil, sharp edges, or moving parts.
- Use an extension cord suitable for outdoor use and rated for the chainsaw's amperage (15 amps). A 12-gauge wire size extension cord is recommended for up to 50 ft, and 10-gauge for longer distances.

Personal Safety

- Always wear appropriate personal protective equipment (PPE) including safety glasses, hearing protection, gloves, and sturdy footwear.
- Dress properly. Do not wear loose clothing or jewelry. Keep your hair and clothing away from moving parts.
- Stay alert, watch what you are doing, and use common sense when operating a power tool.
- Do not overreach. Keep proper footing and balance at all times.

Chainsaw Specific Safety

- Always hold the chainsaw firmly with both hands when operating.
- Be aware of kickback. Kickback may occur when the nose or tip of the guide bar touches an object, or when the wood closes in and pinches the saw chain in the cut.
- Ensure the chain brake is engaged when starting the chainsaw and when moving between cuts.
- Never operate the chainsaw with one hand.
- Do not cut above shoulder height.
- Do not operate the chainsaw if you are tired, ill, or under the influence of drugs or alcohol.

Product Overview

The WEN 15-Amp, 18-Inch Electric Chainsaw is designed for efficient cutting of trees, bushes, and branches. It features a powerful motor, an 18-inch guide bar, and an automatic oiling system.



Figure 1: Front view of the WEN 18-Inch Electric Chainsaw, showing the main body, guide bar, and chain.



Figure 2: Side view of the chainsaw, highlighting the ergonomic handle and safety guard.



Figure 3: Angled view of the chainsaw, showing the overall design and chain assembly.

Key Components:

- **Motor Housing:** Contains the 15-amp electric motor.
- **Guide Bar:** The metal bar that guides the saw chain.
- **Saw Chain:** The cutting chain that rotates around the guide bar.
- **Front Handle:** For stable two-hand operation.
- **Rear Handle:** With trigger switch and safety lock-off button.
- **Chain Brake/Hand Guard:** Protects the operator's hand and stops the chain in case of kickback.
- **Oil Reservoir:** For automatic chain lubrication. Features a visible oil level window.
- **Tool-Free Chain Tensioning Knob:** Allows for easy adjustment of chain tension.
- **Cable Strain Relief Notch:** Helps secure the extension cord.

Setup

1. Assembly

1. Carefully unpack all components.
2. Ensure the chain brake is disengaged before assembly.
3. Place the guide bar onto the chainsaw body, aligning it with the mounting studs.
4. Carefully fit the saw chain around the sprocket and into the groove of the guide bar. Ensure the cutting edges of the chain teeth are facing the correct direction (away from the motor, towards the tip of the bar).
5. Install the side cover and tighten the retaining nut. Do not fully tighten yet.

2. Chain Tensioning



Figure 4: Detail of the tool-free chain tensioning knob and oil level window.

1. Loosen the side cover retaining nut slightly.
2. Turn the tool-free chain tensioning knob clockwise to increase tension, or counter-clockwise to decrease tension.
3. Proper tension is achieved when the chain is snug against the guide bar, but can still be pulled freely by hand. There should be approximately 1/8 inch of slack at the center of the guide bar.
4. Once tension is set, fully tighten the side cover retaining nut.
5. *Note:* New chains may stretch during initial use. Check and adjust chain tension frequently during the first hour of operation.

3. Oiling the Chain

- The chainsaw features an automatic oiling system. Before each use, fill the oil reservoir with high-quality bar and chain oil.
- Locate the oil fill cap and remove it.
- Pour bar and chain oil into the reservoir until it reaches the "Max" line on the oil level window.
- Replace the oil fill cap securely.
- *Important:* Never operate the chainsaw without sufficient bar and chain oil. Running dry will cause rapid wear to the chain and guide bar.

Operating Instructions

1. Starting the Chainsaw

1. Ensure the chainsaw is properly assembled, tensioned, and oiled.
2. Connect the chainsaw to a suitable extension cord, ensuring the cable strain relief notch is used.
3. Place the chainsaw on a firm, flat surface.
4. Engage the chain brake by pushing the front hand guard forward until it clicks.
5. Hold the rear handle firmly with one hand and the front handle with the other.
6. To start, press the safety lock-off button with your thumb, then squeeze the trigger switch. The chain will begin to move.

7. Once the chain is moving, release the safety lock-off button.
8. Disengage the chain brake by pulling the front hand guard back towards the handle.

2. Cutting Techniques

- Always maintain a firm grip with both hands.
- Stand with your weight balanced and feet apart.
- Allow the chainsaw to reach full speed before beginning a cut.
- Apply light, steady pressure. Do not force the saw through the wood.
- Be aware of the direction of falling timber and clear the area of bystanders.
- When cutting a log on the ground, cut approximately two-thirds of the way through from the top, then roll the log and complete the cut from the opposite side to prevent pinching.
- For limbing, work from the bottom of the tree upwards, removing smaller branches first.

3. Stopping the Chainsaw

- Release the trigger switch. The chain will stop instantly due to the electric brake.
- Engage the chain brake for safety when moving between cuts or when finished.
- Always unplug the chainsaw from the power source when not in use or before performing any maintenance.

Maintenance

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

1. Cleaning

- After each use, unplug the chainsaw and allow it to cool.
- Use a stiff brush or compressed air to remove sawdust, chips, and debris from the motor housing, guide bar, and chain.
- Clean the oil reservoir and oiling ports to ensure proper lubrication.
- Wipe down the exterior with a damp cloth. Do not use solvents.

2. Chain Sharpening and Replacement

- A sharp chain is crucial for efficient and safe cutting. A dull chain will produce fine sawdust instead of chips and may cause the saw to jump or vibrate excessively.
- Sharpen the chain regularly using a round file appropriate for the chain size (refer to chain specifications).
- Alternatively, replace the chain when it becomes dull beyond sharpening or is damaged. Compatible chains are readily available (e.g., Oregon S62X3, 18 inch, 62 drive links, 3/8 spacing, 0.050 slot width).
- To replace the chain, follow the assembly instructions in the "Setup" section.

3. Guide Bar Maintenance

- Periodically clean the guide bar groove to remove accumulated sawdust and debris.
- Flip the guide bar periodically to ensure even wear on both sides.
- Check the guide bar for burrs or damage. File down any burrs.

4. Storage



Figure 5: Chainsaw with the protective sheath installed for safe storage.

- Always install the protective sheath over the guide bar and chain before storing.
- Store the chainsaw in a dry, secure location, out of reach of children.

Troubleshooting

Problem	Possible Cause	Solution
Chainsaw does not start.	Not plugged in; safety lock-off not pressed; chain brake engaged.	Ensure power cord is securely plugged in; press safety lock-off button before trigger; disengage chain brake.
Chain does not move or moves slowly.	Chain tension too tight; chain brake engaged; chain or bar damaged.	Adjust chain tension; disengage chain brake; inspect and replace chain/bar if damaged.
Saw produces sawdust instead of chips.	Dull chain.	Sharpen or replace the saw chain.
No oil coming from auto-oiler.	Oil reservoir empty; oil port clogged.	Refill oil reservoir; clean oiling ports and guide bar groove.
Chainsaw overheats.	Overloading; blocked ventilation.	Do not force the saw; allow it to cool; clear ventilation openings.

Specifications





Figure 6: Top view of the chainsaw, showing the product label with model and electrical information.

- **Model:** 4118
- **Power Source:** Corded Electric
- **Motor:** 15 Amp
- **Guide Bar Length:** 18 inches
- **Chain Speed:** Up to 48 feet per second

- **Horsepower:** 3.5 hp
- **Product Dimensions (L x W x H):** 19.7" x 10.8" x 9.8"
- **Item Weight:** 13.97 pounds
- **UPC:** 044459441182
- **Country of Origin:** China

Warranty and Support

Your WEN 15-Amp, 18-Inch Electric Chainsaw (Model 4118) comes backed by a two-year warranty.
For warranty claims, replacement parts, or technical assistance, please contact WEN customer support. Refer to the product packaging or the official WEN website for the most current contact information.
WEN Customer Service: Visit WEN Products Contact Page

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