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Saker SK1806K

Saker Mini Chainsaw 6-Inch Cordless Electric Chainsaw Instruction Manual

Model: SK1806K

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1. INTRODUCTION

Thank you for choosing the Saker Mini Chainsaw. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new tool. Please read this manual thoroughly before initial use and retain it for future reference. Proper understanding and adherence to these instructions will ensure optimal performance and extend the lifespan of your chainsaw.

General Safety Warnings

- Always wear appropriate personal protective equipment (PPE), including safety glasses, gloves, and hearing protection, when operating the chainsaw.
- Keep hands, hair, and loose clothing away from the chain when the chainsaw is in operation.
- Ensure a stable footing and maintain balance at all times during operation.
- Do not operate the chainsaw in wet conditions or in the presence of flammable liquids or gases.
- Keep children and bystanders at a safe distance from the work area.
- Disconnect the battery before performing any assembly, cleaning, or maintenance.

2. PRODUCT COMPONENTS

The Saker Mini Chainsaw package typically includes the following components. Please verify all parts are present upon unboxing.

- Saker Mini Chainsaw Body
- 6-Inch Guide Bar
- Saw Chain

- 20V MAX Lithium-Ion Battery (quantity may vary)
- Battery Charger
- Protective Gloves
- Safety Goggles
- Oil Bottle (empty, for chain lubrication)
- Wrench/Screwdriver Tool



Figure 2.1: Saker Mini Chainsaw SK1806K and its complete set of accessories, including batteries, charger, guide bar, chain, and safety gear, neatly organized in a carrying case.

3. SETUP INSTRUCTIONS

3.1 Battery Charging

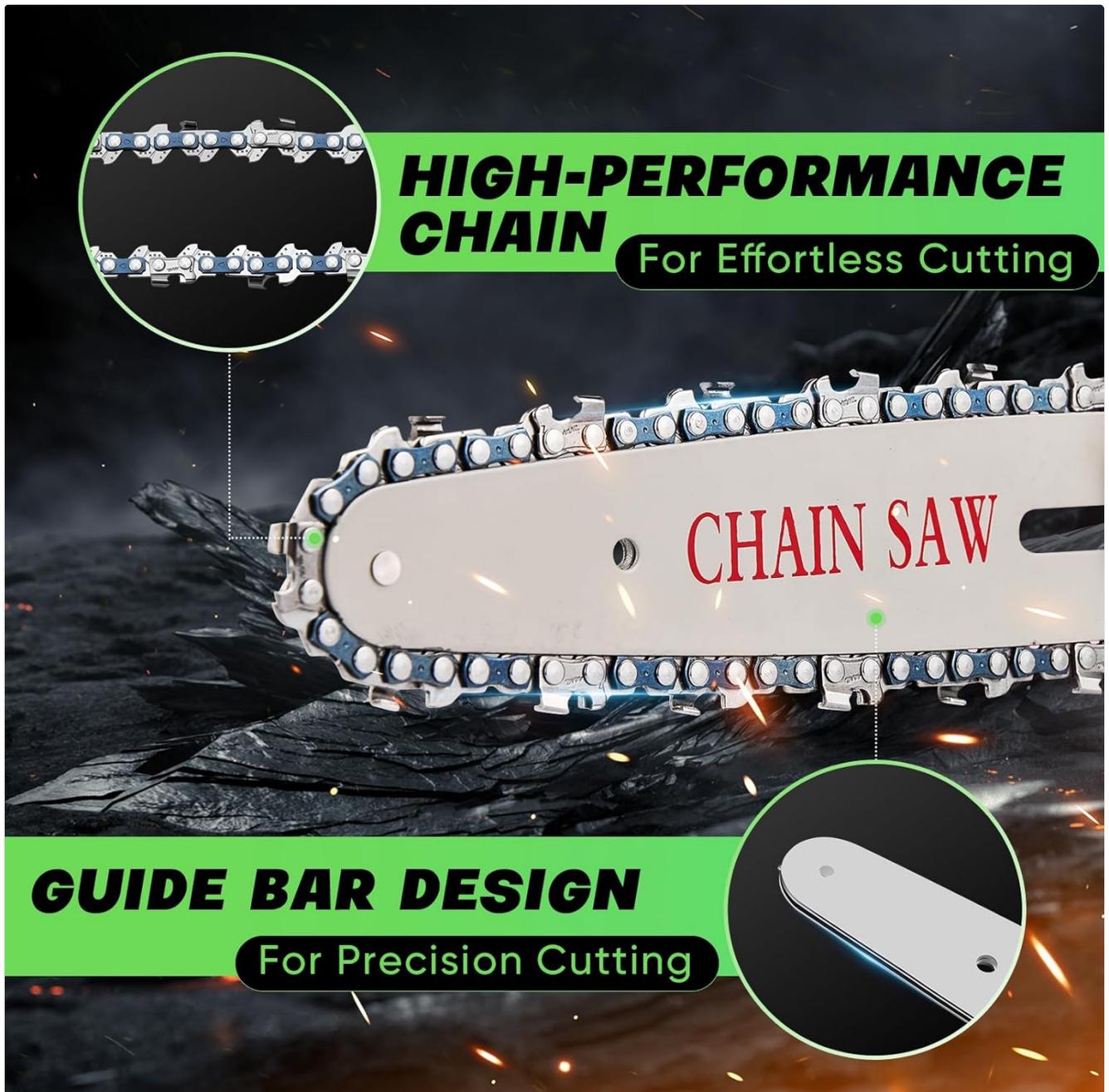
1. Connect the battery charger to a standard power outlet.

2. Insert the battery into the charger. Ensure it clicks into place.
3. The indicator light on the charger will show the charging status (e.g., red for charging, green for fully charged).
4. Allow the battery to fully charge before first use. Charging time may vary.
5. For optimal battery life, avoid storing the battery in a completely discharged state.

3.2 Chain and Guide Bar Installation

Always ensure the battery is removed before installing or adjusting the chain and guide bar.

1. Using the provided wrench, loosen the guide bar retaining nut and remove the side cover.
2. Place the saw chain around the sprocket and guide bar. Ensure the cutting edges of the chain teeth are facing the correct direction (refer to the arrow on the guide bar or chainsaw body).
3. Fit the guide bar onto the mounting studs, ensuring the chain is properly seated in the guide bar groove and around the drive sprocket.
4. Replace the side cover and hand-tighten the retaining nut. Do not fully tighten yet.
5. 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 no more than 2-3mm of slack when pulled from the center of the guide bar.
6. Once the tension is correct, fully tighten the guide bar retaining nut.



HIGH-PERFORMANCE CHAIN

For Effortless Cutting

GUIDE BAR DESIGN

For Precision Cutting



Figure 3.1: Illustration of the high-performance chain and guide bar design, highlighting the components for proper installation and precision cutting.

- Clear the work area of any obstacles, bystanders, or pets.

4.2 Starting and Stopping the Chainsaw

1. **To Start:** Hold the chainsaw firmly with both hands. Press and hold the safety lock button, then squeeze the trigger switch. The chain will begin to move.
2. **To Stop:** Release the trigger switch. The chain will stop rotating.

4.3 Cutting Techniques

- Always hold the chainsaw with both hands for maximum control.
- Position yourself securely with stable footing.
- Allow the chainsaw to reach full speed before engaging the chain with the material to be cut.
- Apply light, consistent pressure. Do not force the chainsaw through the cut.
- The Saker Mini Chainsaw is designed for cutting branches and small logs up to 6 inches in diameter. Do not attempt to cut larger materials.
- Be aware of kickback. Avoid cutting with the tip of the guide bar.

HIGH-EFFICIENT

Improve Cutting Efficiency And Durable



5.2 Chain and Guide Bar Care

- **Chain Sharpening:** A dull chain will reduce cutting efficiency and increase strain on the motor. Sharpen the chain regularly or replace it when necessary. Refer to a professional or specific chain sharpening instructions.
- **Chain Tension:** Periodically check and adjust chain tension. A loose chain can derail, and an overly tight chain can cause premature wear.
- **Guide Bar:** Clean the guide bar groove to ensure proper chain movement. Flip the guide bar periodically to ensure even wear.

5.3 Battery Storage

- Store batteries in a cool, dry place away from direct sunlight and extreme temperatures.
- For long-term storage, charge the battery to approximately 50-70% capacity.
- Do not store batteries in a completely discharged state.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your Saker Mini Chainsaw.

Problem	Possible Cause	Solution
Chainsaw does not start.	Battery not charged or improperly installed. Safety lock not engaged.	Ensure battery is fully charged and securely clicked into place. Press and hold the safety lock button before squeezing the trigger.
Chain does not move or moves slowly.	Chain tension too tight. Chain or guide bar obstructed. Dull chain.	Adjust chain tension to the correct slack. Remove any debris from the chain and guide bar. Sharpen or replace the chain.
Poor cutting performance.	Dull chain. Insufficient chain lubrication. Incorrect cutting technique.	Sharpen or replace the chain. Apply chain oil regularly. Review operating instructions for proper technique.
Chainsaw overheats.	Overuse or excessive force. Blocked ventilation ports.	Allow the chainsaw to cool down. Avoid continuous heavy use. Clean any debris from the motor's ventilation ports.

7. SPECIFICATIONS

Technical specifications for the Saker Mini Chainsaw Model SK1806K:

- **Model:** SK1806K
- **Guide Bar Length:** 6 inches
- **Power Source:** Battery Powered
- **Battery Type:** 20V MAX Lithium-Ion

- **Motor Power:** 260W (Pure Copper Motor)
- **Chain Speed:** 19.7 ft/s
- **Horsepower:** 0.73 HP
- **Cutting Capacity:** Max 6 inches diameter
- **Features:** Overload Protection, High-Efficiency Motor



Figure 7.1: An internal view of the Saker Mini Chainsaw's motor, illustrating its pure copper construction, overload protection, and design for higher efficiency.

8. WARRANTY AND SUPPORT

For warranty information, product support, or to purchase replacement parts, please contact Saker customer service. Refer to your purchase documentation or the Saker official website for contact details.

