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SORAKO SCS18E1

SORAKO 10-inch 20V Max Cordless Electric Chainsaw User Manual

Model: SCS18E1

IMPORTANT SAFETY INFORMATION

WARNING: Read all safety warnings, instructions, illustrations, and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

- Always wear appropriate personal protective equipment (PPE) including safety glasses, hearing protection, gloves, and sturdy footwear when operating the chainsaw.
- Keep children and bystanders at a safe distance (at least 15 meters / 50 feet) from the operating area.
- Do not operate the chainsaw in wet conditions or in the presence of flammable liquids or gases.
- Ensure the work area is clear of obstacles and has good lighting.
- Inspect the chainsaw for damage, loose parts, or wear before each use. Do not operate a damaged tool.
- Always hold the chainsaw firmly with both hands when operating.
- Be aware of kickback. Kickback can occur when the moving chain at the tip of the guide bar touches an object, or when the wood closes in and pinches the saw chain in the cut.
- Never operate the chainsaw above shoulder height.
- Remove the battery pack before making any adjustments, changing accessories, or storing the tool.
- Use only SORAKO recommended accessories and replacement parts.

PRODUCT OVERVIEW

Familiarize yourself with the components of your SORAKO 10-inch Cordless Electric Chainsaw.

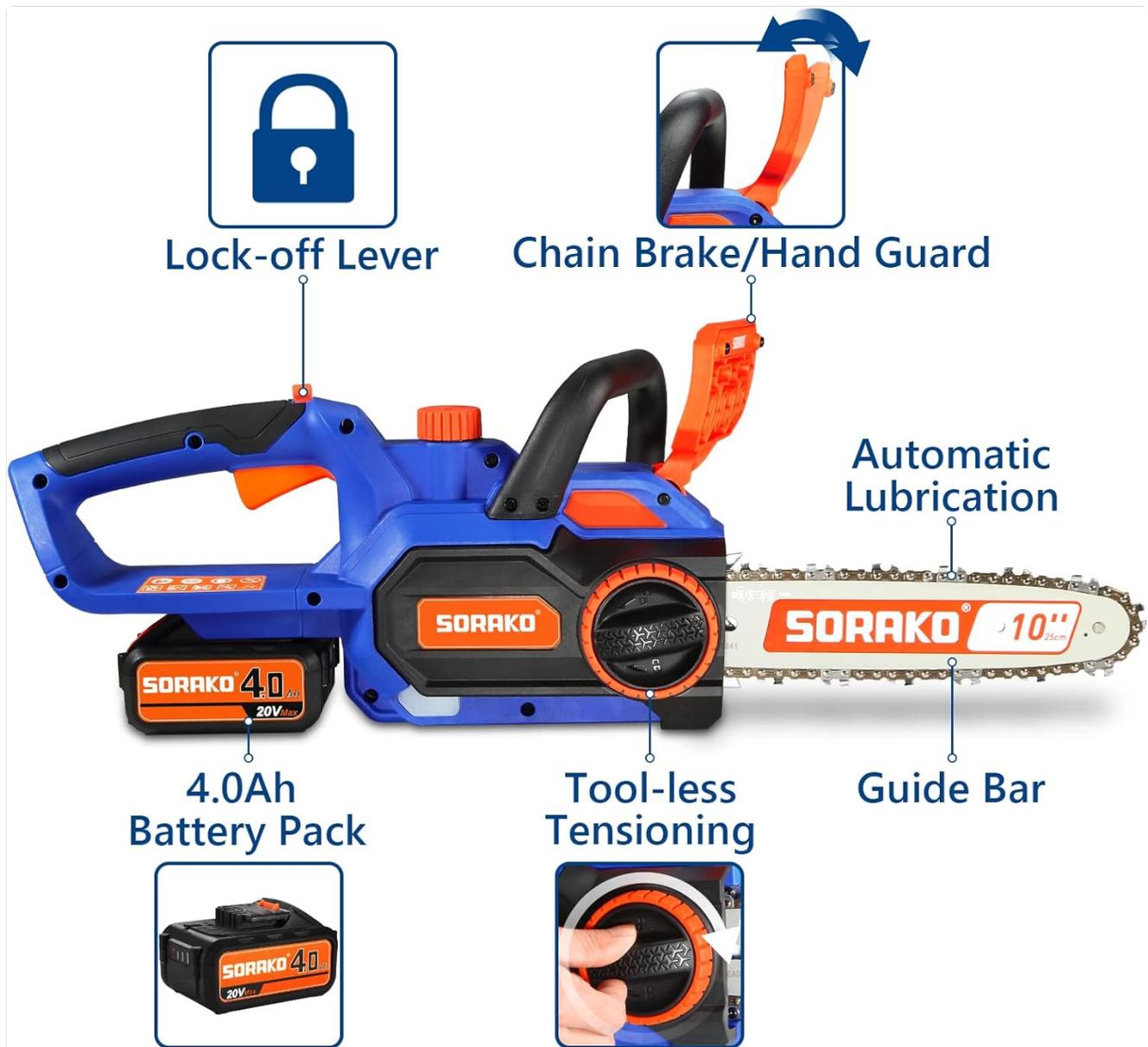


Image: Overview of the SORAKO 10-inch Cordless Electric Chainsaw, highlighting key components such as the Lock-off Lever, Chain Brake/Hand Guard, Automatic Lubrication system, 4.0Ah Battery Pack, Tool-less Tensioning mechanism, and Guide Bar.

Key Components:

- **Lock-off Lever:** Prevents accidental starting. Must be pressed before the trigger.
- **Chain Brake/Hand Guard:** Protects the operator's hand and stops the chain in case of kickback or emergency.
- **Automatic Lubrication System:** Automatically oils the guide bar and chain during operation.
- **4.0Ah Battery Pack:** Provides power to the chainsaw. Rechargeable.
- **Tool-less Tensioning:** Allows for quick and easy adjustment of chain tension without additional tools.
- **Guide Bar:** Supports and guides the saw chain.
- **Saw Chain:** The cutting component of the chainsaw.
- **Trigger Switch:** Activates the chainsaw motor.

SETUP INSTRUCTIONS

1. Battery Charging and Installation

1. **Charge the Battery:** Connect the 4.0Ah battery pack to the provided fast charger. The charging time is approximately 2 to 2.5 hours for a full charge. Ensure the battery is fully charged before first use.
2. **Install the Battery:** Align the battery pack with the battery slot on the chainsaw handle. Slide the battery into place until it clicks securely. Ensure it is firmly seated.
3. **Remove the Battery:** Press the battery release button (if present) and slide the battery pack out of the tool.

2. Guide Bar and Chain Installation/Adjustment

The SORAKO chainsaw features a tool-less tensioning system for convenience.



Image: A hand adjusting the tool-less tensioning knob on the side of the chainsaw, indicating how to quickly and easily adjust chain tension.

1. **Ensure Safety:** Always remove the battery pack before installing or adjusting the guide bar and chain.
2. **Install Bar and Chain:** Follow the specific instructions in your chainsaw's detailed manual for correct guide bar and chain placement. Ensure the chain direction is correct.
3. **Adjust Chain Tension:** Use the tool-less tensioning knob (as shown in the image) to adjust the chain tension.

The chain should be snug against the guide bar but still able to be pulled freely by hand. A properly tensioned chain will not sag on the underside of the guide bar and can be pulled up slightly (about 2-3mm) at the center of the bar.

4. **Check Tension:** After initial cuts, the chain may stretch. Recheck and adjust tension as needed.

3. Filling the Automatic Oiling System

The SORAKO chainsaw features an automatic oiling system to lubricate the guide bar and chain.



Image: A hand pouring lubricating oil into the oil reservoir of the chainsaw, demonstrating the auto oiling system refill process.

1. **Use Proper Oil:** Use only high-quality bar and chain oil. Do not use waste oil or thin oils.
2. **Fill Reservoir:** Unscrew the oil cap and carefully pour bar and chain oil into the reservoir until it reaches the maximum fill line. Avoid overfilling.
3. **Secure Cap:** Replace the oil cap and tighten it securely to prevent leaks.
4. **Prime System:** Before first use, or after refilling, run the chainsaw for 1-3 minutes without cutting to allow the automatic oiling system to fully lubricate the chain and guide bar.
5. **Monitor Oil Level:** Regularly check the oil level during operation and refill as necessary.

OPERATING INSTRUCTIONS

1. Starting the Chainsaw



Image: A person holding the chainsaw, demonstrating the ease of starting by pressing the trigger switch without a pull cord.

1. **Ensure Safety:** Confirm the chain brake is disengaged (pulled back towards the front handle).
2. **Grip:** Hold the chainsaw firmly with both hands, one on the front handle and one on the rear handle.
3. **Start:** Press the lock-off lever with your thumb, then squeeze the trigger switch to start the chainsaw. The chain will begin to move.
4. **Stop:** Release the trigger switch to stop the chainsaw. Engage the chain brake for added safety when not actively cutting.

2. Cutting Techniques

Always plan your cut before starting. Be aware of falling branches and kickback zones.



Image: A person wearing gloves operating the SORAKO chainsaw to cut a log, demonstrating a typical cutting scenario.

- **Stable Stance:** Maintain a balanced and stable stance.
- **Full Speed:** Allow the chain to reach full operating speed before engaging the wood.
- **Cutting Direction:** Cut with the bottom of the guide bar (pulling chain) for better control and to reduce kickback risk.
- **Avoid Tip:** Never cut with the tip of the guide bar, as this is the primary kickback zone.
- **Small Cuts:** For larger branches or logs, make several smaller cuts rather than one deep cut.
- **Clear Debris:** Stop the chainsaw and remove the battery before clearing any sawdust or debris.

3. Safety Features



Ensure Security

Mechanical chain brake stops the chain from moving when encounters an abrupt impact.

Image: A close-up of the chain brake/hand guard, illustrating its function in stopping the chain upon impact or activation.

- **Double Protection Design:** The chainsaw incorporates a safety lock and a brake disc for enhanced user safety.
- **Safety Lock:** Prevents unintentional starting. Always engage the safety lock when the chainsaw is not in use.
- **Chain Brake:** The mechanical chain brake is designed to stop the chain instantly in the event of kickback or if manually engaged by pushing the hand guard forward. Regularly test the chain brake for proper function.

MAINTENANCE

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

- **Cleaning:** After each use, remove the battery and clean the chainsaw thoroughly. Use a brush or compressed air to remove sawdust, chips, and debris from the motor housing, guide bar groove, and chain.
- **Chain Sharpening:** A sharp chain is essential for efficient and safe cutting. Sharpen the chain regularly according to the manufacturer's specifications for file size and angle. A dull chain will cause the saw to work harder, produce fine sawdust instead of chips, and increase the risk of kickback.

- **Guide Bar Maintenance:** Clean the guide bar groove to ensure proper oil flow. Flip the guide bar periodically to ensure even wear. Check for burrs on the guide bar rails and file them smooth if present.
- **Oil System Check:** Ensure the automatic oiling system is functioning correctly. Check for blockages in the oil outlet.
- **Battery Care:** Store the battery in a cool, dry place away from direct sunlight and extreme temperatures. Do not store fully discharged.
- **Storage:** When not in use, store the chainsaw in a dry, secure location out of reach of children. Ensure the chain brake is engaged and the battery is removed. Use a guide bar cover to protect the chain.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Chainsaw does not start.	Battery not charged. Battery not properly installed. Chain brake engaged. Lock-off lever not pressed.	Charge the battery. Reinstall battery securely. Disengage the chain brake. Press the lock-off lever before squeezing the trigger.
Chain does not move.	Chain brake engaged. Chain too tight. Obstruction in guide bar/chain.	Disengage the chain brake. Adjust chain tension. Remove battery, clear obstruction.
Chainsaw cuts slowly or poorly.	Dull chain. Improper chain tension. Insufficient oil.	Sharpen or replace chain. Adjust chain tension. Refill oil reservoir, check oiling system.
Oil leaks from chainsaw.	Oil cap not tightened. Normal seepage (chainsaws often seep oil when stored). Damaged oil reservoir or seals.	Tighten oil cap. Store chainsaw on a surface that can absorb oil, or drain oil for long-term storage. Contact customer support for repair.

SPECIFICATIONS



20.6ft/s

Chain Speed



4.0Ah

Battery



10inch

Guide Bar



8.1lbs

Weight

Image: The SORAKO chainsaw displayed with its key specifications including 20.6 ft/s Chain Speed, 4.0Ah Battery, 10-inch Guide Bar, and 8.1 lbs Weight.

Feature	Detail
Brand	SORAKO
Model Number	SCS18E1
Power Source	Battery Powered (20V Max)
Battery Capacity	4.0Ah
Chain Length	10 Inches
Chain Speed	6.3 m/s (20.6 ft/s)
Item Weight	8 Pounds (approx. 3.6 kg)

Feature	Detail
Special Features	Double Safety Switch, Auto-Tension, Automatic Lubrication
Charging Time	2-2.5 Hours

WARRANTY AND SUPPORT

For warranty information, technical support, or to order replacement parts, please contact SORAKO customer service directly. Refer to the packaging or the official SORAKO website for contact details.

Always provide your product model number (SCS18E1) and purchase date when contacting support.

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Please recycle responsibly.