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Goldsea 6-inch 21V Cordless Mini Chainsaw

Goldsea 6-inch 21V Cordless Mini Chainsaw User Manual

Model: 6-inch 21V Cordless Mini Chainsaw | Brand: Goldsea

1. Important Safety Instructions

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, gloves, and hearing protection.
- Keep hands and body parts away from the chain when the tool is operating.
- Ensure the safety lock button is engaged when not in use to prevent accidental startup.
- Do not operate the chainsaw in wet conditions or near flammable liquids or gases.
- Keep the work area clean and well-lit. Cluttered or dark areas invite accidents.
- Before any adjustment, maintenance, or storage, always remove the battery pack from the tool.
- Use only manufacturer-recommended accessories and replacement parts.
- Maintain a firm grip with both hands on the chainsaw when operating.
- Be aware of kickback and how to avoid it.

2. Product Overview

The Goldsea 6-inch 21V Cordless Mini Chainsaw is a compact and powerful tool designed for various cutting tasks. Its lightweight design allows for comfortable one-handed operation.



Figure 2.1: Complete Chainsaw Kit including main unit, batteries, charger, chains, gloves, and safety glasses.



Figure 2.2: The chainsaw's lightweight design enables efficient one-handed use for various tasks.

2.1 Components

- **Main Unit:** The body of the chainsaw housing the motor and controls.
- **Guide Bar:** The metal bar that guides the saw chain. (6-inch effective cutting length)
- **Saw Chain:** The cutting chain that rotates around the guide bar. (High hardness, super wear-resistant)
- **Battery Pack:** 21V Lithium-ion rechargeable battery. (Two included)
- **Charger:** For recharging the battery packs.
- **Protective Fender:** A 90-degree openable baffle designed to block wood chips and debris.
- **Safety Lock Button:** Prevents accidental startup.
- **Tool-less Adjustment Knob:** For easy chain tension and cover plate adjustment.
- **Accessories:** Includes safety gloves, safety goggles, chain sharpening tool, cleaning brush, and storage bag.

3. Setup

3.1 Battery Charging

Before first use, fully charge both battery packs. Connect the charger to a power outlet and insert the battery pack. The indicator light on the charger will show the charging status. A full charge takes approximately 30 minutes per battery.



Figure 3.1: The 21V Li-ion battery features multiple protection mechanisms for safe charging and operation.

3.2 Battery Installation

Align the battery pack with the battery slot on the bottom of the chainsaw handle. Push firmly until it clicks into place. To remove, press the release button on the battery and pull it out.

3.3 Chain and Guide Bar Installation/Adjustment

The chainsaw comes with one chain pre-installed. If you need to replace or adjust the chain:

1. Ensure the battery is removed.
2. Rotate the black triangular button to loosen the cover plate.

3. Adjust the chain tension by rotating the green gear knob. The chain should be snug but still able to be pulled freely around the guide bar by hand.
4. Once tension is set, tighten the cover plate by rotating the black triangular button.



Figure 3.2: The tool-less adjustment system simplifies chain tensioning and cover plate removal/installation.

4. Operating Instructions

4.1 Starting the Chainsaw

To start the chainsaw, you must simultaneously press the safety lock button and pull the trigger. Release the safety lock button once the chain starts moving. The chainsaw will stop immediately when the trigger is released.

4.2 Cutting Techniques

- Always ensure a stable footing and a clear work area.
- Hold the chainsaw firmly with one or both hands, depending on the task and comfort.
- For branches up to 150mm (approx. 6 inches) in diameter, position the guide bar against the material and allow the chain

to cut through with minimal pressure.

- Be mindful of the protective baffle, which opens up to 90 degrees to shield against flying debris.
- Avoid cutting into the ground or other hard objects, as this can dull or damage the chain.



Figure 4.1: The 6-inch chain and guide bar allow for cutting branches up to 15cm (approx. 6 inches) in thickness.



Figure 4.2: The versatile chainsaw is suitable for DIY projects, pruning small branches, cutting bamboo, and maintaining fruit trees.

5. Maintenance

5.1 Cleaning

- After each use, remove the battery and clean the chainsaw.
- Use the included cleaning brush to remove wood chips, sawdust, and debris from the guide bar, chain, and motor housing.
- Periodically remove the cover plate and clean the sprocket area thoroughly.



Figure 5.1: Regular cleaning ensures efficient operation and proper disposal of cut materials.

5.2 Chain Sharpening

A sharp chain is essential for efficient and safe cutting. Use the provided chain sharpening tool (round file, 3mm diameter) to sharpen the chain teeth as needed. Refer to the chain manufacturer's guidelines for proper sharpening angles.

5.3 Battery Care

- Store batteries in a cool, dry place away from direct sunlight and extreme temperatures.
- Do not store fully discharged batteries for extended periods. Charge them periodically if not in use.
- Do not expose batteries to water or moisture.

6. Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Chainsaw does not start.	Battery not charged or not properly installed. Safety lock not engaged.	Ensure battery is fully charged and securely installed. Press safety lock button simultaneously with trigger.
Chain is not cutting efficiently.	Dull chain. Incorrect chain tension.	Sharpen the chain. Adjust chain tension as per Section 3.3.
Chainsaw stops during operation.	Battery low. Overload protection activated.	Recharge battery. Reduce cutting pressure or size of material. Allow tool to cool down.
Excessive vibration or noise.	Loose chain. Damaged chain or guide bar.	Adjust chain tension. Inspect chain and guide bar for damage; replace if necessary.

7. Specifications

Feature	Detail
Brand	Goldsea
Power Source	Battery Powered (21V Lithium-ion)
Guide Bar Length	6 inches (Effective cutting length 160mm)
Product Dimensions	Approx. 22cm (L) x 15cm (W) x 42cm (H)
Product Weight	Approx. 1.3 kg (without battery), 2.39 kg (packaged)
Motor Speed	Up to 3600 RPM
Battery Capacity	2000mAh (per battery)
Included Accessories	Main unit, 2 batteries, 2 chains, 1 charger, 1 tool box, 1 manual, 1 chain sharpener, 1 pair of goggles, 1 pair of gloves, 1 cleaning brush.

8. Warranty and Support

For warranty information, technical support, or replacement parts, please contact Goldsea customer service through the retailer where you purchased the product. Please retain your proof of purchase for warranty claims.
For further assistance, you may visit the Goldsea brand store on Amazon: Goldsea Store

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