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SANJIAN DIANJULV

SANJIAN DIANJULV 6/8 Inch Cordless Mini Chainsaw Instruction Manual

Model: DIANJULV

1. Introduction

This manual provides essential instructions for the safe and effective operation, maintenance, and troubleshooting of your SANJIAN DIANJULV 6/8 Inch Cordless Mini Chainsaw. Please read this manual thoroughly before first use and keep it for future reference. This tool is designed for cutting wood, pruning branches, and trimming shrubs in various outdoor environments.

2. Safety Information

Always prioritize safety when operating power tools. Failure to follow these safety guidelines may result in serious injury or property damage.

- **Wear Personal Protective Equipment (PPE):** Always wear safety goggles, gloves, and sturdy footwear. Hearing protection is recommended.
- **Inspect Before Use:** Before each use, check the chainsaw for any damaged parts, loose components, or leaks. Ensure the chain is properly tensioned and lubricated.
- **Secure Grip:** Always hold the chainsaw firmly with one hand, ensuring a stable stance.
- **Work Area:** Keep the work area clear of bystanders, children, and pets. Ensure adequate lighting and a stable surface.
- **Avoid Kickback:** Be aware of the chain's rotation direction and potential kickback. Avoid cutting with the tip of the guide bar.
- **Battery Safety:** Use only the specified batteries and charger. Do not expose batteries to extreme temperatures or moisture.
- **Automatic Oiler:** Ensure the oil tank is filled and the manual pump is operated regularly to lubricate the chain and guide bar.
- **Security Lock:** Always engage the security lock when the chainsaw is not in use or during transport to prevent accidental startup.

3. Package Contents

Verify that all items are present in your package:

- SANJIAN DIANJULV Mini Chainsaw Unit
- 6-inch Guide Bar
- 8-inch Guide Bar
- 6-inch Saw Chain
- 8-inch Saw Chain
- 2000mAh Rechargeable Battery
- 4000mAh Rechargeable Battery
- Battery Charger
- Protective Guard
- Gloves
- Safety Goggles
- User Manual

4. Product Features

- **2-in-1 Design:** Equipped with both 6-inch and 8-inch guide bars and chains for versatile cutting tasks.
- **Brushless Motor:** Provides enhanced power, efficiency, and a longer service life compared to traditional brushed motors.
- **Dual Battery System:** Includes one 2000mAh and one 4000mAh rechargeable Li-ion battery for extended runtime. Compatible with Makita batteries.
- **Automatic Oiler:** Integrated oil tank (30ml capacity) with a manual pump for consistent chain and guide bar lubrication.
- **Security Lock:** Prevents accidental activation for user safety.
- **Lightweight & Ergonomic:** Designed for comfortable one-handed operation, weighing approximately 3.26 lbs.
- **Protective Guard:** Helps prevent sawdust and debris from splashing during operation.



Figure 1: Overview of Chainsaw Features

5. Setup

5.1 Battery Charging

1. Connect the charger to a power outlet.
2. Insert the battery into the charger. The indicator light will show charging status.
3. Once fully charged (approximately 2 hours), remove the battery from the charger.



Figure 2: Included Li-ion Batteries

5.2 Guide Bar and Chain Installation

The chainsaw comes pre-assembled. To switch between the 6-inch and 8-inch configurations:

1. Ensure the battery is removed for safety.
2. Loosen the side cover nuts and remove the side cover.
3. Carefully remove the existing guide bar and chain.
4. Place the new chain around the sprocket, ensuring the cutting direction of the chain teeth is correct (refer to Figure 3).
5. Fit the new guide bar over the studs, aligning the chain with the guide bar groove. Ensure the tensioner pin aligns with the hole in the guide bar.
6. Replace the side cover and hand-tighten the nuts. Do not fully tighten yet.
7. Adjust chain tension (see Section 7.2).
8. Once tension is correct, fully tighten the side cover nuts.



Figure 3: Correct Chain Installation Direction

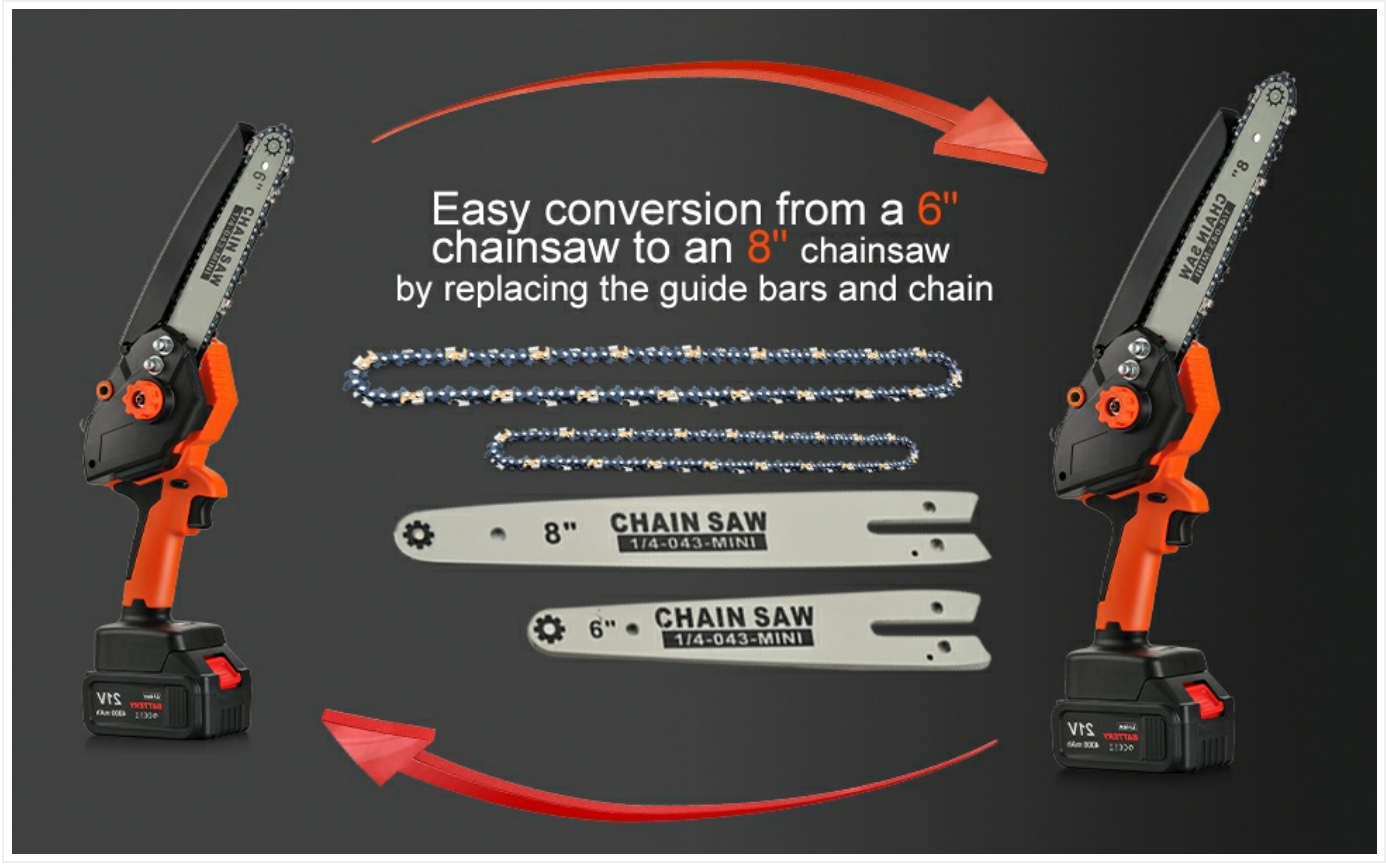


Figure 4: Converting between 6-inch and 8-inch Chainsaw

5.3 Oiling System Setup

1. Locate the oil filler cap on the chainsaw body.
2. Unscrew the cap and fill the integrated tank with appropriate chainsaw bar and chain oil (capacity up to 30ml).
3. Securely tighten the cap.
4. Before starting, press the clear bulb on the oiler a few times to prime the system and ensure oil reaches the chain and guide bar.



Figure 5: Filling the Lubrication System

6. Operation

6.1 Starting the Chainsaw

1. Ensure the battery is fully charged and securely inserted.
2. Hold the chainsaw firmly with one hand.
3. Press and hold the security lock button (usually located near the trigger).
4. While holding the security lock, press the trigger to start the chainsaw. Release the security lock once the chain is running.

6.2 Cutting Techniques

- **Branch Trimming:** For small branches, make a relief cut on the underside first to prevent splintering, then cut from the top.
- **Wood Cutting:** Position the chainsaw firmly against the wood. Allow the chain to do the work; do not force the cut.

- **Avoid Overloading:** Do not attempt to cut branches thicker than the recommended capacity for your chosen guide bar (6 or 8 inches).
- **Maintain Control:** Always maintain a balanced stance and firm grip. Be prepared for the chainsaw to pull or push during cutting.

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Video 1: Demonstration of the SANJIAN Mini Chainsaw in operation, cutting wood branches.



Figure 6: One-Handed Operation of the Chainsaw

7. Maintenance

Regular maintenance ensures optimal performance and extends the lifespan of your chainsaw.

7.1 Chain Lubrication

The chainsaw features an automatic oiler with a manual pump. Regularly press the clear bulb on the oiler cap during

operation to ensure continuous lubrication of the chain and guide bar. Check the oil level frequently and refill as needed.

7.2 Chain Tension Adjustment

Proper chain tension is crucial for safe and efficient cutting. A chain that is too loose can derail, and a chain that is too tight can cause excessive wear and damage.

1. Remove the battery.
2. Loosen the side cover nuts slightly.
3. Use the tension adjustment screw (typically a knob on the side) to adjust the chain tension. The chain should be snug against the guide bar but still able to be pulled freely by hand.
4. Once the desired tension is achieved, fully tighten the side cover nuts.

7.3 Cleaning

- After each use, remove the battery.
- Use a brush or compressed air to remove sawdust, wood chips, and debris from the guide bar, chain, sprocket, and motor housing.
- Wipe down the exterior of the chainsaw with a damp cloth. Do not use harsh chemicals.

7.4 Battery Care

- Store batteries in a cool, dry place away from direct sunlight.
- Do not store fully discharged batteries for extended periods. Charge them periodically.
- If the battery becomes hot during charging or use, discontinue use and allow it to cool.

8. Troubleshooting

Problem	Possible Cause	Solution
Chainsaw does not start	Battery not charged or improperly inserted; Security lock not engaged; Faulty trigger.	Charge battery; Ensure battery is fully inserted; Press and hold security lock before pressing trigger; Contact support if trigger is faulty.
Chain stops or jams during cutting	Chain tension too loose or too tight; Dull chain; Overloading the motor; Debris in sprocket.	Adjust chain tension; Sharpen or replace chain; Do not force cuts; Clean sprocket area.
No oil reaching chain	Oil tank empty; Oiler pump not activated; Oil passage blocked.	Refill oil tank; Press the manual oiler bulb repeatedly; Clean the oil passage hole on the guide bar.
Excessive vibration or noise	Loose chain; Damaged chain or guide bar; Loose components.	Adjust chain tension; Inspect and replace damaged parts; Check all fasteners.

9. Specifications

- **Brand:** SANJIAN
- **Model Number:** DIANJULV
- **Power Source:** Battery Powered

- **Motor Type:** Brushless
- **Guide Bar Lengths:** 6 inch, 8 inch
- **Battery Capacity:** 1 x 2000mAh, 1 x 4000mAh Li-ion
- **Charging Time:** Approximately 2 hours
- **Item Weight:** Approximately 3.26 lbs (with battery)
- **Product Dimensions:** 17.24"L x 6.61"W x 4.53"H
- **Automatic Oiler Capacity:** 30ml



Figure 7: Brushless Motor Detail

10. Warranty and Support

For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official SANJIAN website. Keep your proof of purchase for any warranty claims.

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