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> Ingco CGSLI20128 20V Cordless Li-Ion Chain Saw User Manual

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Model: CGSLI20128 | Brand: Ingco

1. IMPORTANT SAFETY INFORMATION

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. Save all warnings and instructions for future reference.

General Chain Saw Safety

- **Personal Protective Equipment (PPE):** Always wear safety glasses, hearing protection, gloves, and sturdy footwear. Consider leg protection (chaps) and a hard hat.
- **Work Area Safety:** Keep the work area clean and well-lit. Do not operate chain saws in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Keep bystanders, children, and pets at a safe distance.
- **Electrical Safety:** Avoid body contact with earthed or grounded surfaces. Do not expose power tools to rain or wet conditions.
- **Chain Saw Specific Risks:** Be aware of kickback, which can 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. Maintain a firm grip with both hands.
- **Battery Safety:** Use only the battery pack specified by the manufacturer. Recharge only with the charger specified by the manufacturer.

2. PRODUCT OVERVIEW

The Ingco CGSLI20128 is a 20V Cordless Li-Ion Chain Saw designed for efficient cutting tasks. It features a brushless motor for enhanced performance and durability.



Image 2.1: The Ingco CGSLI20128 20V Cordless Li-Ion Chain Saw, showcasing its main body, handle, and the included 12-inch industrial guide bar. The guide bar is positioned vertically to the left of the saw.

Key Components

- **Guide Bar:** Supports and guides the saw chain.
- **Saw Chain:** The cutting element of the chain saw.
- **Front Handle:** For stable two-hand operation.
- **Rear Handle:** Contains the trigger switch.
- **Chain Brake/Hand Guard:** Safety feature to stop the chain and protect the hand.
- **Oil Tank Cap:** For adding chain lubricant.
- **Chain Tensioning Knob:** For adjusting chain tension.
- **Battery Compartment:** For inserting the 20V Li-Ion battery.

3. SETUP AND ASSEMBLY

3.1 Battery Installation

1. Ensure the chain saw is turned off and the chain brake is engaged.
2. Align the battery pack with the battery port on the chain saw.
3. Slide the battery pack into the port until it clicks securely into place.

4. To remove, press the battery release button and slide the battery out.



Image 3.1: A side view of the Ingco CGSLI20128 chain saw, highlighting the ergonomic rear handle and the location of the battery compartment at the base of the tool.

3.2 Guide Bar and Chain Assembly

1. Place the chain saw on a stable, flat surface.
2. Remove the chain cover by loosening the retaining knob.
3. Carefully place the saw chain around the drive sprocket and then into the groove of the guide bar. Ensure the cutting edges of the chain are facing the correct direction (refer to the arrow on the guide bar).
4. Position the guide bar onto the chain saw, ensuring the guide bar studs pass through the holes in the guide bar.
5. Replace the chain cover and lightly tighten the retaining knob, allowing for chain tension adjustment.

3.3 Chain Tension Adjustment

1. With the chain cover lightly tightened, use the chain tensioning knob to adjust the chain tension.
2. The chain is correctly tensioned when it can be pulled away from the guide bar by approximately 2-3 mm at the center, and the chain links are snug against the guide bar.
3. Once tension is correct, fully tighten the chain cover retaining knob.
4. Periodically check chain tension during operation, especially when the chain is new, as it may stretch.

3.4 Filling Chain Oil

1. Unscrew the oil tank cap.
2. Fill the reservoir with appropriate chain lubricant (not included). Do not use waste oil.
3. Replace the oil tank cap securely.
4. Check the oil level regularly during use.

4. OPERATING INSTRUCTIONS

4.1 Starting the Chain Saw

1. Ensure the battery is fully charged and properly installed.
2. Check chain tension and oil level.
3. Disengage the chain brake by pulling the front hand guard back towards the handle.
4. Grip the chain saw firmly with both hands: one hand on the front handle, the other on the rear handle.
5. Press the safety lock-off button (if present) and then squeeze the trigger switch to start the chain.



Image 4.1: A detailed view of the Ingco chain saw's rear handle, showing the textured grip, trigger area, and the 'BRUSHLESS' motor designation, indicating advanced motor technology.

4.2 Cutting Techniques

- **Maintain Balance:** Always stand with good footing and balance.
- **Avoid Kickback:** Never cut with the tip of the guide bar. Always use the bottom or top edge of the guide bar.
- **Cutting Small Branches:** Support the branch to prevent it from pinching the chain.
- **Felling Trees:** This operation requires advanced training and should only be performed by experienced users. Always plan escape routes and ensure no one is in the felling zone.

- **Limbing:** Work from the bottom up, supporting the branch to prevent pinching.

4.3 Stopping the Chain Saw

1. Release the trigger switch.
2. Engage the chain brake by pushing the front hand guard forward.
3. Remove the battery pack when not in use or before performing any maintenance.

5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Ingco chain saw.

5.1 General Cleaning

- After each use, remove the battery and clean the chain saw.
- Use a brush or compressed air to remove sawdust, chips, and debris from the motor housing, guide bar, and chain.
- Wipe down external surfaces with a damp cloth. Do not use harsh chemicals.

5.2 Chain Sharpening

- A dull chain requires more force to cut and increases the risk of kickback. Sharpen the chain regularly or replace it when necessary.
- Refer to the chain manufacturer's specifications for the correct file size and sharpening angles.
- Alternatively, have the chain professionally sharpened.

5.3 Guide Bar Maintenance

- Clean the guide bar groove regularly to remove sawdust and debris.
- Flip the guide bar periodically to ensure even wear.
- Check for burrs on the guide bar rails and file them smooth if present.

5.4 Battery Care

- Store batteries in a cool, dry place away from direct sunlight.
- Do not store batteries in a discharged state for extended periods.
- Use only the specified charger for your Ingco 20V Li-Ion battery.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your chain saw.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Chain saw does not start	Discharged battery Battery not properly installed Chain brake engaged Safety lock-off not pressed	Charge battery Reinstall battery securely Disengage chain brake Press safety lock-off before trigger
Chain does not cut efficiently	Dull chain Incorrect chain tension Chain installed backward	Sharpen or replace chain Adjust chain tension Reinstall chain with correct orientation
Chain oil not dispensing	Empty oil tank Clogged oil port/filter	Refill oil tank Clean oil port/filter (consult service center if persistent)
Excessive vibration	Loose components Damaged chain/guide bar	Check and tighten all fasteners Inspect chain and guide bar for damage; replace if necessary

7. SPECIFICATIONS

Technical details for the Ingco CGSLI20128 20V Cordless Li-Ion Chain Saw.

- **Model:** CGSLI20128
- **Brand:** Ingco
- **Voltage:** 20V
- **Battery Type:** Lithium-Ion
- **Motor Type:** Brushless
- **Guide Bar Length:** 12 inches (approximately 30 cm)
- **ASIN:** B07HVSCTXF
- **Approximate Dimensions (L x W x H):** 37 cm x 20 cm x 26 cm (based on scale image)
- **Approximate Weight (Tool only):** 2.5 - 3.5 kg (typical for cordless 12-inch chain saws, actual weight may vary)



Image 7.1: The Ingco chain saw displayed next to a human silhouette, providing a visual reference for its overall size and dimensions.

8. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries regarding your Ingco CGSLI20128 chain saw, please refer to the warranty card included with your purchase or visit the official Ingco website. Keep your proof of purchase for warranty claims.

Contact Information: Please refer to the contact details provided in your product packaging or on the official Ingco website for customer service.

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