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Ingco CIDLI200215 Cordless Hammer Drill 20V User Manual

1. INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Ingco CIDLI200215 Cordless Hammer Drill 20V. Please read these instructions thoroughly before using the tool and retain them for future reference.

2. SAFETY INSTRUCTIONS

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury when operating power tools.

- **Work Area Safety:** Keep the work area clean and well-lit. Cluttered or dark areas invite accidents. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Electrical Safety:** Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges, and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- **Personal Safety:** Always wear eye protection. Use appropriate safety equipment such as dust masks, non-skid safety shoes, hard hats, or hearing protection when necessary. Stay alert, watch what you are doing, and use common sense when operating a power tool.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.
- **Battery Pack Use and Care:** Recharge only with the charger specified by the manufacturer. Do not use battery packs with any other power tools. When the battery pack is not in use, keep it away from other metal objects that could make a connection from one terminal to another.

3. PACKAGE CONTENTS

Verify that all items listed below are present and undamaged upon opening the package:

- 1 x Ingco CIDLI200215 Cordless Hammer Drill 20V
- 2 x 20V 2.0Ah Lithium-Ion Batteries
- 1 x Battery Charger (1-hour charging capability)
- 1 x Cr-V 65 mm Screwdriver Bit
- 3 x Masonry Drill Bits
- 1 x Carrying Case



Image 1: Ingco CIDLI200215 Cordless Hammer Drill, including two batteries and a carrying case.

4. PRODUCT OVERVIEW

Familiarize yourself with the various parts of your Ingco Cordless Hammer Drill:



Image 2: Side view of the Ingco CIDLI200215 Cordless Hammer Drill, showing the main body and handle.



Image 3: Rear view of the Ingco CIDLI200215 Cordless Hammer Drill, highlighting the ventilation and battery connection area.

Key Components:

- **Keyless Chuck:** For quick and easy bit changes without a key.
- **Torque Adjustment Ring:** Allows selection of 18 torque settings for screwdriving, plus drilling and hammer drilling modes.
- **Speed Selector Switch:** Controls the mechanical 2-speed transmission (low speed for high torque, high speed for fast drilling).
- **Trigger Switch:** Activates the drill and controls variable speed.

- **Forward/Reverse Selector:** Changes the rotation direction.
- **LED Work Light:** Illuminates the work area.
- **Battery Pack:** Provides power to the tool.
- **Battery Charge Indicator:** Displays the remaining battery level.

5. SETUP

5.1. Battery Charging

1. Connect the charger to a standard power outlet (220-240 V).
2. Slide the battery pack onto the charger until it clicks into place.
3. The charging indicator on the charger will show the charging status. A full charge for a 2.0Ah battery typically takes 1 hour.
4. Once fully charged, disconnect the battery from the charger.

5.2. Battery Installation and Removal

- **Installation:** Align the battery pack with the base of the drill handle and slide it in until it locks securely.
- **Removal:** Press the battery release button (usually located on the side of the battery pack) and slide the battery out.

5.3. Bit Installation and Removal



Image 4: Front view of the Ingco CIDLI200215 Cordless Hammer Drill, illustrating the keyless chuck mechanism.

1. Ensure the drill is switched off and the battery is removed for safety.
2. Rotate the front sleeve of the keyless chuck counter-clockwise to open the chuck jaws.
3. Insert the desired drill bit or screwdriver bit into the chuck, ensuring it is centered.
4. Rotate the front sleeve clockwise to tighten the chuck jaws firmly around the bit. Hand-tighten only; do not use tools.
5. To remove a bit, reverse the process.

6. OPERATING INSTRUCTIONS

6.1. Power On/Off and Variable Speed

- To start the drill, press the trigger switch. The speed is variable; pressing the trigger further increases the speed.
- To stop the drill, release the trigger switch.

6.2. Forward/Reverse Rotation

- Push the forward/reverse selector to the left for forward (clockwise) rotation, used for drilling and tightening screws.
- Push the selector to the right for reverse (counter-clockwise) rotation, used for removing screws or freeing jammed bits.
- Position the selector in the center to lock the trigger and prevent accidental starting.

6.3. Speed Selection (Mechanical 2-Speed)

The drill features a 2-speed gearbox:

- **Speed 1 (Low Speed):** For high torque applications such as driving large screws or drilling large diameter holes in wood or metal. (0-400 RPM)
- **Speed 2 (High Speed):** For faster drilling in smaller diameters or lighter materials. (0-1500 RPM)

To change speeds, slide the speed selector switch located on top of the drill. Ensure the drill is stopped before changing speeds to prevent gear damage.

6.4. Torque and Mode Selection

P20S

2.0Ah



Image 5: Ingco CIDLI200215 Cordless Hammer Drill, illustrating the torque and mode selection ring, including the impact function setting.

The torque adjustment ring allows you to select the appropriate setting for your task:

- **Torque Settings (1-18):** Use these settings for screwdriving. The lower the number, the less torque is applied, preventing overtightening or stripping screw heads. Adjust based on screw size and material.
- **Drill Mode Symbol (drill bit icon):** Select this mode for general drilling into wood, metal, or plastic. The clutch will not engage, providing maximum torque.
- **Hammer Drill Mode Symbol (hammer icon):** Select this mode for drilling into masonry, brick, or concrete. This mode combines rotary action with a hammering action for faster penetration.

Rotate the torque adjustment ring to align the desired setting with the arrow on the drill body.

6.5. LED Work Light and Battery Indicator

- The integrated LED light illuminates the work area when the trigger is pressed.
- The battery charge indicator displays the approximate remaining battery power. Recharge the battery when the indicator shows a low charge.

7. MAINTENANCE

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

- **Cleaning:** Keep the ventilation openings clear and free of dust. Use a soft, damp cloth to clean the tool casing. Do not use harsh chemicals or abrasive cleaners.
- **Battery Care:** Store batteries in a cool, dry place away from direct sunlight. Do not store fully discharged batteries for extended periods.
- **Storage:** When not in use, store the drill, batteries, and charger in the provided carrying case in a dry, secure location out of reach of children.
- **Inspection:** Periodically check for damaged parts, loose screws, or worn components. Have any necessary repairs performed by qualified service personnel.

8. TROUBLESHOOTING

Refer to this section for solutions to common issues:

Problem	Possible Cause	Solution
Drill does not start	Battery not charged or improperly installed; Forward/Reverse selector in center (locked) position.	Charge battery and ensure it is securely installed. Move the Forward/Reverse selector to the forward or reverse position.
Loss of power during operation	Battery charge is low.	Recharge the battery pack.
Bit not holding securely	Chuck not tightened sufficiently.	Ensure the chuck is hand-tightened firmly around the bit.
Excessive vibration or noise	Damaged or worn bit; Loose components.	Replace the bit if damaged. Check for loose screws or parts and tighten if necessary. If problem persists, contact service.

9. SPECIFICATIONS

Technical data for the Ingco CIDLI200215 Cordless Hammer Drill 20V:

Feature	Specification
Model Number	CIDLI200215
Voltage	20V
No-load Speed	0-400 / 0-1500 rpm
Max. Impact Rate	22500 min ⁻¹
Max. Torque	45 Nm
Chuck Capacity	0.8 - 10 mm

Feature	Specification
Torque Settings	18 + 1 (Drilling) + 1 (Hammer Drilling)
Battery Type	Lithium-Ion
Battery Capacity	2.0Ah
Charger Input Voltage	220-240 V
Charging Time	Approx. 1 hour
Weight (with battery)	2 kg
Dimensions (L x W x H)	25 x 6 x 25 cm

10. WARRANTY AND SUPPORT

Ingco products are manufactured to high-quality standards. For warranty information, service, or technical support, please refer to the warranty card included with your product or contact your local Ingco dealer or customer service center. Keep your purchase receipt as proof of purchase.