

Ingco CRHLI202081

INGCO CRHLI202081 Lithium-Ion 20V Rotary Hammer Instruction Manual

Model: CRHLI202081

1. INTRODUCTION AND SAFETY INFORMATION

This manual provides essential instructions for the safe and effective operation, maintenance, and troubleshooting of your INGCO CRHLI202081 Lithium-Ion 20V Rotary Hammer. Please read this manual thoroughly before using the tool and retain it for future reference.

General Safety Warnings

- Always wear appropriate personal protective equipment (PPE) such as safety glasses, hearing protection, and gloves when operating the tool.
- Ensure your work area is clean and well-lit. Cluttered or dark areas invite accidents.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Power tools create sparks which may ignite the dust or fumes.
- Always disconnect the battery pack from the tool before making any adjustments, changing accessories, or storing the tool.
- Use the correct tool for your application. Do not force the tool.

2. PRODUCT OVERVIEW

The INGCO CRHLI202081 is a versatile 20V Lithium-Ion rotary hammer featuring a brushless motor for enhanced efficiency and durability. It offers four distinct functions for various applications.



Figure 2.1: INGCO CRHLI202081 Rotary Hammer Kit Components

Key Components and Features



Figure 2.2: Labeled Components of the Rotary Hammer

- **SDS-Plus Chuck:** For quick and secure bit changes.
- **4-in-1 Function Adjust Knob:** Selects between drilling, hammer drilling, chiseling, and chisel angle adjustment.
- **Brushless Motor:** Provides increased power, efficiency, and longer tool life.
- **Optimum Cooling System:** Designed to prevent overheating during extended use.
- **Forward and Reverse Button:** Changes the rotation direction of the chuck.
- **Variable Speed Reversing Trigger:** Allows for precise speed control and reverse operation.
- **LED Work Light:** Illuminates the work area for improved visibility.
- **360° Auxiliary Handle:** Provides additional grip and control, adjustable for user comfort.

3. SETUP

3.1 Battery Installation and Removal

1. To install the battery, align the battery pack with the tool's battery port and slide it in until it clicks securely into place.
2. To remove the battery, press the battery release button (usually located on the battery pack) and slide the battery out.

Note: Ensure the battery is fully charged before first use. INGCO 20V Lithium-Ion batteries are compatible with all INGCO 20V power tools.

3.2 Attaching and Removing Accessories (SDS Plus Chuck System)



Figure 3.1: Inserting an SDS Plus Drill Bit

1. **To attach a drill bit or chisel:** Clean the shank of the accessory. Pull back the chuck collar, insert the accessory into the chuck as far as it will go, then release the collar. Pull on the accessory to ensure it is securely locked. The SDS Plus system allows for slight axial movement of the bit, which is normal for hammer action.
2. **To remove a drill bit or chisel:** Pull back the chuck collar firmly and pull the accessory out of the chuck.

3.3 Adjusting the Auxiliary Handle

The 360° rotary auxiliary handle can be adjusted to any position for optimal comfort and control. Loosen the handle by twisting it counter-clockwise, adjust to the desired angle, and then tighten by twisting clockwise until secure.

4. OPERATING INSTRUCTIONS

4.1 Selecting Operating Mode (4-in-1 Function Adjust Knob)



Figure 4.1: 4-in-1 Function Selection

Rotate the 4-in-1 function adjust knob to select the desired operating mode:

- **Drilling (Rotation Only):** For drilling in wood, metal, or plastic without hammer action.
- **Hammer Drilling (Rotation with Hammering):** For drilling in concrete, masonry, and stone.
- **Chiseling (Hammering Only):** For light chiseling, chipping, or demolition work.
- **Chisel Direction Adjusting (Vario-Lock):** Allows you to rotate and lock the chisel into various positions for optimal working angles.

4.2 Starting and Stopping the Tool

- To start the tool, press the variable speed reversing trigger. The speed increases as you press the trigger further.
- To stop the tool, release the trigger.

4.3 Forward/Reverse Operation

The forward/reverse button, located above the trigger, allows you to change the direction of rotation. Push the button to the left for forward rotation (drilling/hammer drilling) and to the right for reverse rotation (e.g., removing a stuck

drill bit).

4.4 Using the LED Work Light

The integrated LED work light automatically illuminates when the trigger is pressed, providing visibility in dimly lit areas.

4.5 General Operation Guidelines



Figure 4.2: Proper Handling During Operation

- Always hold the tool firmly with both hands, using the main handle and the auxiliary handle.
- Apply steady, even pressure. Do not force the tool.
- For hammer drilling, allow the hammer action to do the work.
- When chiseling, ensure the chisel is properly oriented using the Vario-Lock function.



Figure 4.3: Chiseling Application

5. MAINTENANCE

5.1 Cleaning

- Regularly clean the ventilation openings of the tool to prevent dust buildup, which can lead to overheating. Use a soft brush or compressed air.
- Wipe the tool housing with a damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Clean the SDS Plus chuck regularly to ensure smooth operation and prevent debris from interfering with bit changes.

5.2 Storage

- Store the tool and accessories in a dry, secure place, out of reach of children.
- Remove the battery pack from the tool before storage, especially for extended periods.
- Store batteries in a cool, dry place, away from direct sunlight and extreme temperatures.

6. TROUBLESHOOTING

If you encounter issues with your INGCO CRHLI202081 rotary hammer, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Tool does not start	Battery not charged or improperly installed	Ensure battery is fully charged and securely inserted.
Reduced power or performance	Low battery charge; accessory worn or dull	Recharge battery. Replace worn drill bits or chisels.
Bit not locking into chuck	Chuck collar not pulled back sufficiently; debris in chuck	Pull chuck collar back fully. Clean chuck thoroughly.
Tool overheating	Blocked ventilation slots; continuous heavy use	Clean ventilation slots. Allow tool to cool down during prolonged use.

If the problem persists after attempting these solutions, please contact customer support.

7. SPECIFICATIONS

Technical data for the INGCO CRHLI202081 Rotary Hammer:

Feature	Specification
Model Number	CRHLI202081
Voltage	20V
Motor Type	Brushless
No-load Speed	0-1100 RPM
Impact Rate	0-5400 BPM
Single Impact Force	2.0 J
Max. Drilling Capacity (Concrete)	Ø22 mm
Max. Drilling Capacity (Steel)	Ø13 mm
Max. Drilling Capacity (Wood)	Ø28 mm
Chuck System	SDS Plus
Item Weight	4.72 Kilograms
Product Dimensions	38 x 26 x 9 cm

Feature	Specification
Battery Capacity (Included)	4.0 Ah Lithium-Ion
Included Accessories	3 Pcs Drill Bits, 1 Pcs Chisel, 1 Pcs 4.0Ah Battery, 1 Pcs Charger, Plastic Box

8. WARRANTY AND SUPPORT

For information regarding product warranty, please refer to the warranty card included with your purchase or contact the retailer where the product was purchased. Warranty terms and conditions may vary by region and seller.

For technical support, spare parts, or service inquiries, please contact INGCO customer service or your authorized INGCO dealer. Keep your purchase receipt and product model number (CRHLI202081) readily available when seeking support.

