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Ingco CIDLI20558E

INGCO CIDLI20558E Cordless Impact Drill User Manual

INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your INGCO CIDLI20558E 20V Brushless Cordless Impact Drill. Please read this manual thoroughly before using the tool to ensure proper handling and to prevent injury or damage.

GENERAL SAFETY INFORMATION

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

- **Work Area Safety:** Keep your 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. Do not expose power tools to rain or wet conditions.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating the tool for extended periods. Dress properly; avoid loose clothing or jewelry. Secure long hair.
- **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.

PACKAGE CONTENTS

Upon unpacking, ensure all items listed below are present and undamaged. If any parts are missing or damaged, contact your retailer.

- 1 x INGCO CIDLI20558E Cordless Impact Drill
- 2 x 2.0Ah Batteries (FBLI2001)
- 1 x Charger (FCLI2001E) - Input: 220-240V~50/60Hz
- 47 x Accessories (various drill bits, screwdriver bits, etc.)
- 3 x Masonry Drill Bits

- 1 x Carrying Case



Image 1: Overview of the INGCO CIDLI20558E Cordless Impact Drill kit, showing the drill, two 2.0Ah batteries, charger, various accessories, and the included carrying case.

SETUP

4.1 Charging the Battery

1. Connect the charger (FCL12001E) to a standard 220-240V~50/60Hz power outlet.
2. Slide the battery pack (FBL12001) onto the charger until it clicks into place.
3. The charger's indicator light will show the charging status. Refer to the charger's specific instructions for light indications (e.g., red for charging, green for fully charged).
4. Once fully charged, disconnect the charger from the power outlet and remove the battery pack.

Note: For optimal battery life, allow the battery to cool down before charging if it has been heavily used. Do not store batteries in a discharged state.

4.2 Installing and Removing the Battery Pack

- **To Install:** Align the battery pack with the base of the drill handle. Slide the battery into the drill until it clicks securely into place. Ensure it is firmly seated before operation.
- **To Remove:** Press the battery release button (usually located at the front or rear of the battery pack) and slide the battery out of the drill handle.

4.3 Installing and Removing Drill Bits/Accessories

- **To Install:** Rotate the chuck counter-clockwise to open the jaws. Insert the desired drill bit or accessory into the chuck, ensuring it is centered. Rotate the chuck clockwise to tighten the jaws firmly around the bit. The 13mm metal chuck provides a secure grip.
- **To Remove:** Rotate the chuck counter-clockwise to loosen the jaws and remove the bit.



Image 2: Detail of the drill's chuck and adjustable torque collar, highlighting the robust metal construction and control features.

OPERATING INSTRUCTIONS

5.1 Power On/Off and Speed Control

- The drill is activated by pressing the trigger switch. The speed is variable and controlled by the amount of pressure applied to the trigger.
- Release the trigger to turn off the drill.

5.2 Forward/Reverse Rotation

A forward/reverse selector switch is located above the trigger. Push it to the left for forward rotation (drilling/screwing in) and to the right for reverse rotation (removing screws). Ensure the switch is in the center position for safety when not in use, as this locks the trigger.

5.3 Speed Selection (Gearbox)

The drill features a two-speed mechanical gearbox, located on top of the drill body.

- **Gear 1 (0–500 rpm):** For high torque applications, such as driving large screws or drilling large holes in softer materials.
- **Gear 2 (0–2000 rpm):** For high-speed drilling in wood, metal, or for smaller screws.

Caution: Always change gears when the drill is stopped to prevent damage to the gearbox.

5.4 Torque Settings and Mode Selector

The torque collar allows you to adjust the amount of torque applied, preventing overtightening of screws or damage to materials. The drill offers 22+1+1 settings:

- **Settings 1-22:** For screwdriving applications. Start with a lower setting and increase as needed.
- **Drill Mode (Drill Bit Symbol):** For general drilling without impact. The clutch is bypassed, providing maximum torque.
- **Impact Drill Mode (Hammer Symbol):** For drilling into masonry or concrete, utilizing the percussion function (up to 30,000 bpm).

Rotate the collar to select the desired setting. Ensure the collar clicks into place.

5.5 LED Work Light and Battery Indicator

- The integrated LED light illuminates the work area when the trigger is pressed, improving visibility in dark spaces.
- A battery indicator LED on the battery pack or drill body shows the remaining charge level, allowing you to monitor autonomy.

MAINTENANCE

- **Cleaning:** Keep the ventilation slots of the drill clean to prevent overheating. Use a soft, damp cloth to clean the tool casing. Do not use harsh chemicals or abrasive cleaners.
- **Chuck Maintenance:** Periodically clean the chuck jaws to ensure proper gripping of bits.
- **Battery Care:** Store batteries in a cool, dry place away from direct sunlight. Do not expose batteries to extreme temperatures. Charge batteries fully before long-term storage.
- **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.
- **Service:** All internal maintenance and repairs should be performed by qualified service personnel.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Drill does not start.	Battery not charged or not properly installed. Forward/reverse switch in center (locked) position.	Charge battery fully and ensure it is securely installed. Move forward/reverse switch to either forward or reverse position.
Reduced power or short operating time.	Battery charge is low. Battery is old or damaged.	Recharge the battery. If problem persists, consider replacing the battery.
Chuck does not hold bit securely.	Chuck jaws are dirty or worn. Bit shank is dirty or damaged.	Clean chuck jaws and bit shank. Ensure bit is inserted correctly and chuck is tightened firmly.

Problem	Possible Cause	Solution
Overheating during use.	Ventilation slots blocked. Excessive load on the motor.	Ensure ventilation slots are clear. Reduce pressure on the drill or use a lower speed/higher torque setting for heavy-duty tasks. Allow the tool to cool.

TECHNICAL SPECIFICATIONS

Model Number	CIDL120558E
Motor Type	Brushless
Voltage	20V
No-load Speed (Gear 1)	0–500 rpm
No-load Speed (Gear 2)	0–2000 rpm
Impact Rate	30,000 bpm
Max Torque	55 Nm
Chuck Size	13 mm (Metal Chuck)
Torque Settings	22+1+1
Battery Capacity	2.0Ah (FBLI2001)
Charger Input	220-240V~50/60Hz (FCLI2001E)
Dimensions	27 x 10 x 34 cm
Material	Metal (Chuck)

WARRANTY AND SUPPORT

This INGCO product is covered by a manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official INGCO website. For technical support, spare parts, or service inquiries, please contact your local INGCO dealer or customer service department.