

## Ingco COSLI23056

# Ingco 20V Cordless Impact Wrench COSLI23056 Instruction Manual

Model: COSLI23056

## 1. INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Ingco 20V Cordless Impact Wrench (Model: COSLI23056). Please read these instructions carefully before using the tool and retain them for future reference.

The Ingco 20V Cordless Impact Wrench is designed for loosening or tightening various types of bolts and nuts, suitable for automotive repairs, construction projects, equipment maintenance, and product assembly. It features a powerful brushless motor, variable speed control, and comes as a comprehensive kit including a work lamp, batteries, charger, sockets, and screwdriver bits.

## 2. SAFETY INSTRUCTIONS

**WARNING: 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.**

### 2.1 General Power Tool Safety

- **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:** Power tool plugs must match the outlet. Never modify the plug in any way. Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- **Personal Safety:** Always wear eye protection. Use appropriate personal protective 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.

## 2.2 Battery Tool Use and Care

- **Charging:** Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- **Battery Pack:** Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
- **Storage:** When the battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.
- **Abuse:** Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.

## 3. PACKAGE CONTENTS

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Your Ingco 20V Cordless Impact Wrench kit includes the following items:

- 1 x Ingco 20V Cordless Impact Wrench
- 1 x Ingco Work Lamp
- 2 x 2.0Ah Lithium-Ion Batteries
- 1 x Battery Charger
- 10 x Sockets
- 10 x Screwdriver Bits
- 1 x Carrying Case

## 4. PRODUCT FEATURES

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- **Brushless Motor:** Equipped with a powerful brushless motor, delivering high torque up to 405 N.m (Breakaway torque: 555 N.m) for efficient loosening or tightening of fasteners.
- **3 Variable Speeds:** Offers three speed settings (0-1800/0-2000/0-2400 RPM) for precise control and adaptability to various working demands.
- **High Impact Rate:** Delivers a maximum of 3000 BPM (Blows Per Minute), providing sufficient power to break off stubborn fasteners, nuts, and bolts quickly.
- **Ergonomic Design:** Features an ergonomic comfortable handle and lightweight design for ease of use and reduced user fatigue.
- **Integrated Work Lamp:** Includes a separate work lamp with 300 lumens, magnetic base, and 360-degree rotation for improved visibility in dimly lit areas.



Figure 4.1: Ingco Work Lamp highlighting its 300 Lumens output, Type-C charging, 360-degree rotation, and magnetic base for hands-free operation.

## 5. SETUP

### 5.1 Battery Charging and Installation

1. Ensure the battery is fully charged before first use. Connect the charger to a power outlet and insert the battery pack. The indicator light on the charger will show the charging status.
2. To install the battery, align the battery pack with the base of the impact wrench and slide it in until it clicks securely into place.
3. To remove the battery, press the release button on the battery pack and slide it out.

### 5.2 Attaching Sockets and Bits

1. Select the appropriate socket or screwdriver bit for your task.
2. Align the square drive of the socket with the anvil of the impact wrench.
3. Push the socket firmly onto the anvil until it locks into place. Ensure it is securely attached before operation.

4. To remove, pull the socket firmly off the anvil.



Figure 5.1: Incco Impact Wrench with a socket attached, ready for use on a car wheel.

## 6. OPERATING INSTRUCTIONS

### 6.1 Powering On/Off and Speed Selection

1. To power on the impact wrench, press the trigger switch. The tool will start operating.
2. To power off, release the trigger switch.
3. The tool features a variable speed trigger. Pressing the trigger further increases the speed.
4. Use the mode selection button (labeled 'MODE') to cycle through the three available speed settings (1, 2, 3) and the AI mode. The corresponding indicator lights will illuminate.



Figure 6.1: Mode selection panel on the impact wrench, indicating speed settings and AI mode.

## 6.2 Forward/Reverse Rotation and Automatic Stop

1. The forward/reverse lever is located above the trigger. Push it to the left for forward rotation (tightening) and to the right for reverse rotation (loosening).
2. The AI mode (Automatic Stop) is designed for nut pre-tightening. When activated, the tool will automatically stop once a certain torque is reached, preventing over-tightening.

## 6.3 Using the Work Lamp

1. The work lamp is a separate unit. Press the power button to turn it on/off.
2. The lamp features a magnetic base, allowing it to be attached to metal surfaces for hands-free illumination.
3. The lamp head can be rotated 360 degrees to direct light precisely where needed.



# HANDS-FREE OPERATION

Figure 6.2: The Ingco Work Lamp in hands-free operation, attached magnetically to a vehicle.

## 6.4 Product Overview Video

Watch this video for a visual overview of the Ingco 20V Cordless Impact Wrench and Work Lamp combo kit, demonstrating its features and applications.

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Video 6.1: Ingco 20V Cordless Impact Wrench and Work Lamp Combo Kit Overview. This video demonstrates the key features and practical use of the impact wrench and the accompanying work lamp, including speed settings, magnetic lamp attachment, and socket usage.

## 7. MAINTENANCE

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### 7.1 Cleaning

Regularly clean the tool's ventilation openings to prevent dust accumulation. Use a soft, damp cloth to wipe down the exterior. Do not use harsh chemicals or abrasive cleaners.

### 7.2 Storage

Store the impact wrench and its accessories in the provided carrying case in a dry, secure location, away from direct sunlight and extreme temperatures. Ensure batteries are partially charged before long-term storage.

### 7.3 Battery Care

To prolong battery life, avoid fully discharging the battery frequently. Charge the battery before it is completely depleted. Do not store batteries in a discharged state.

## 8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not start	Battery not charged or improperly installed	Charge battery fully. Re-install battery securely.
Reduced power/torque	Low battery charge	Recharge the battery.
Socket not attaching securely	Debris on anvil or worn socket	Clean the anvil. Replace worn sockets.
Work lamp not turning on	Low battery or faulty switch	Charge the work lamp. Check the power button for proper function.

## 9. SPECIFICATIONS

Feature	Specification
Brand	Ingco
Model Number	COSLI23056
Voltage	20V
Motor Type	Brushless
Max Torque	405 N.m
Breakaway Torque	555 N.m
No-load Speed	0-1800 / 0-2000 / 0-2400 RPM (3-speed settings)
Impact Rate	0-3000 BPM
Head Style	Square Drive
Battery Capacity	2.0Ah (x2 included)
Work Lamp Lumens	300 Lumens
Material	Acrylonitrile Butadiene Styrene
Item Weight	5.5 Kilograms (total package weight)

Feature	Specification
Included Components	Impact wrench, work lamp, 2 batteries, charger, sockets, screwdriver bits, carrying case

## 10. WARRANTY AND SUPPORT

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Ingco products come with a six-month warranty. If you encounter any questions or issues with your Ingco 20V Cordless Impact Wrench, please feel free to contact Ingco customer support. They will provide assistance as soon as possible.

For more information or to explore other Ingco products, visit the official Ingco store [Ingco Store on Amazon](#)