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TOTAL TIWLI2085

TOTAL 20V Cordless Brushless Impact Wrench

MODEL: TIWLI2085

User Manual

1. Introduction

Thank you for choosing the TOTAL 20V Cordless Brushless Impact Wrench, Model TIWLI2085. This manual provides essential information for the safe operation, maintenance, and troubleshooting of your tool. Please read it thoroughly before use and keep it for future reference.



Figure 1: The TOTAL TIWLI2085 impact wrench with its 20V battery installed, showcasing its compact design and readiness for operation.

2. General Safety Instructions

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

- **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 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 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. Do not open, crush, or expose battery packs to fire or high temperatures.

3. Product Overview

The TOTAL TIWLI2085 is a powerful 20V cordless brushless impact wrench designed for heavy-duty fastening and loosening applications. It features a robust brushless motor for extended tool life and efficiency, an integrated LED work light for improved visibility, and multiple speed/impact settings for versatile use.

Included Components:

- 1 x TOTAL 20V Cordless Brushless Impact Wrench (TIWLI2085)
- 2 x 4.0Ah Lithium-Ion Batteries (TFBLI2002)
- 1 x Charger (TFCLI2001E, 220-240V~50/60Hz)
- 3 x Deep Impact Sockets (22mm, 24mm, 27mm)
- 1 x Carry Bag

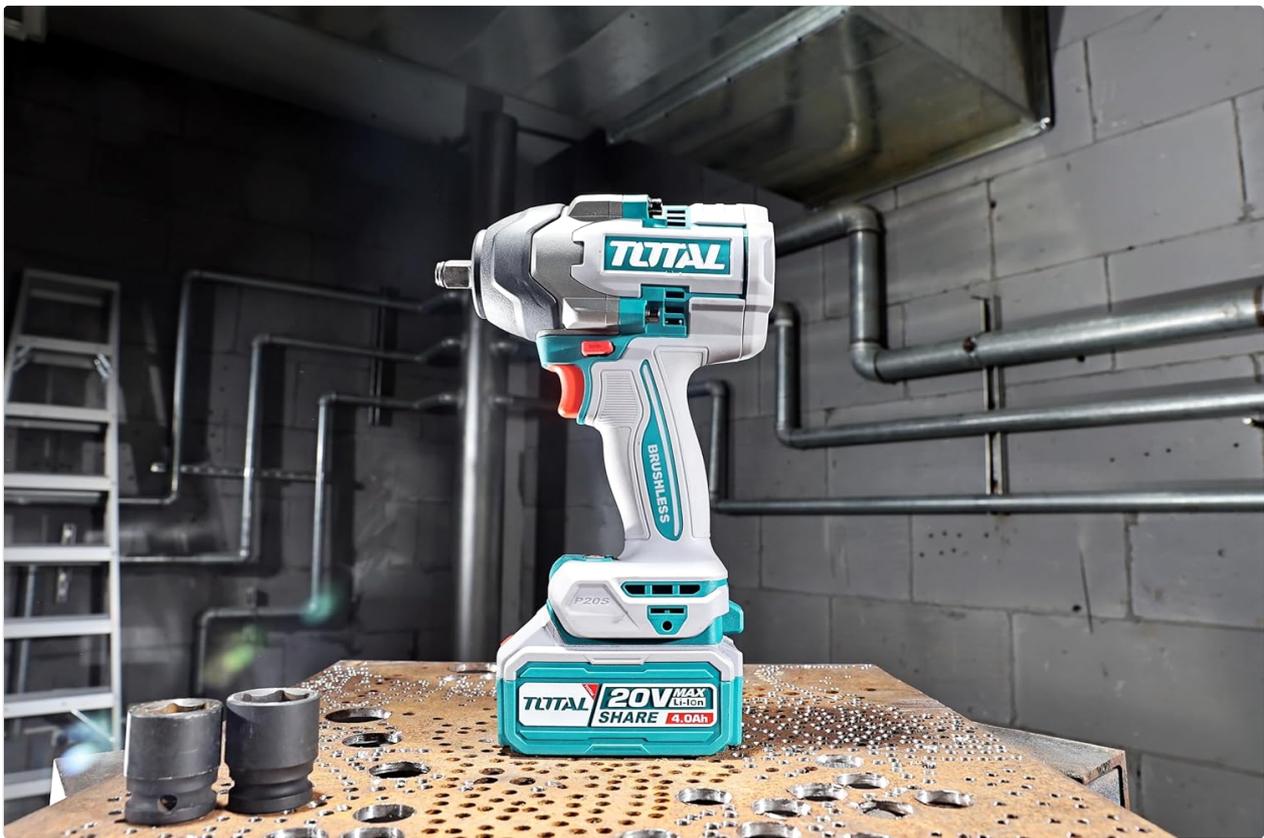


Figure 2: The TOTAL TIWLI2085 impact wrench displayed alongside the three included deep impact sockets (22mm, 24mm, 27mm), illustrating the complete kit.

4. Setup

4.1 Charging the Battery

1. Connect the charger (TFCLI2001E) to a standard 220-240V~50/60Hz power outlet.
2. Slide the battery pack (TFBLI2002) onto the charger until it clicks into place.
3. The charging indicator light on the charger will illuminate, typically red for charging and 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 Attaching/Removing Sockets

1. Ensure the impact wrench is turned off and the battery is removed for safety.
2. Align the square drive of the desired impact socket (e.g., 22mm, 24mm, or 27mm) with the 1/2 inch square drive anvil on the tool.
3. Push the socket firmly onto the anvil until it locks into place. Some sockets may require pulling back a retaining ring or pin.
4. To remove, reverse the process, pulling back the retaining mechanism if present, and pull the socket off.

5. Operating Instructions

5.1 Installing the Battery

Slide a charged battery pack into the base of the impact wrench handle until it clicks securely into place.

5.2 Powering On/Off and Direction Control

- **On/Off:** Squeeze the trigger switch to turn the tool on. Release the trigger to turn it off. The integrated LED work light will activate when the trigger is pressed.
- **Direction Control:** Use the forward/reverse selector switch, typically located above the trigger, to choose the rotation direction (clockwise for fastening, counter-clockwise for loosening). Ensure the switch is fully engaged in the desired position before operating.

5.3 Speed and Impact Rate Adjustment

The TIWLI2085 features multiple speed and impact rate settings, allowing you to match the tool's performance to the task. Refer to the tool's controls for specific adjustment methods, which typically involve a button or switch to cycle through settings:

- **No-load Speed:** 0-1600 / 0-2100 / 0-2400 RPM
- **Impact Rate:** 0-1500 / 0-1800 / 0-2200 BPM

Start with a lower setting for delicate tasks or when first engaging a fastener, and increase as needed.

5.4 Fastening and Loosening

1. Select the appropriate socket for the fastener.
2. Set the direction switch to the desired mode (forward for fastening, reverse for loosening).
3. Place the socket onto the fastener.
4. Squeeze the trigger to begin operation. Apply steady pressure to keep the socket engaged.
5. For fastening, tighten until the desired torque is achieved. For loosening, continue until the fastener breaks free.



Figure 3: The TOTAL TIWLI2085 impact wrench being used to fasten a lug nut on a car wheel, demonstrating its application for automotive tasks.

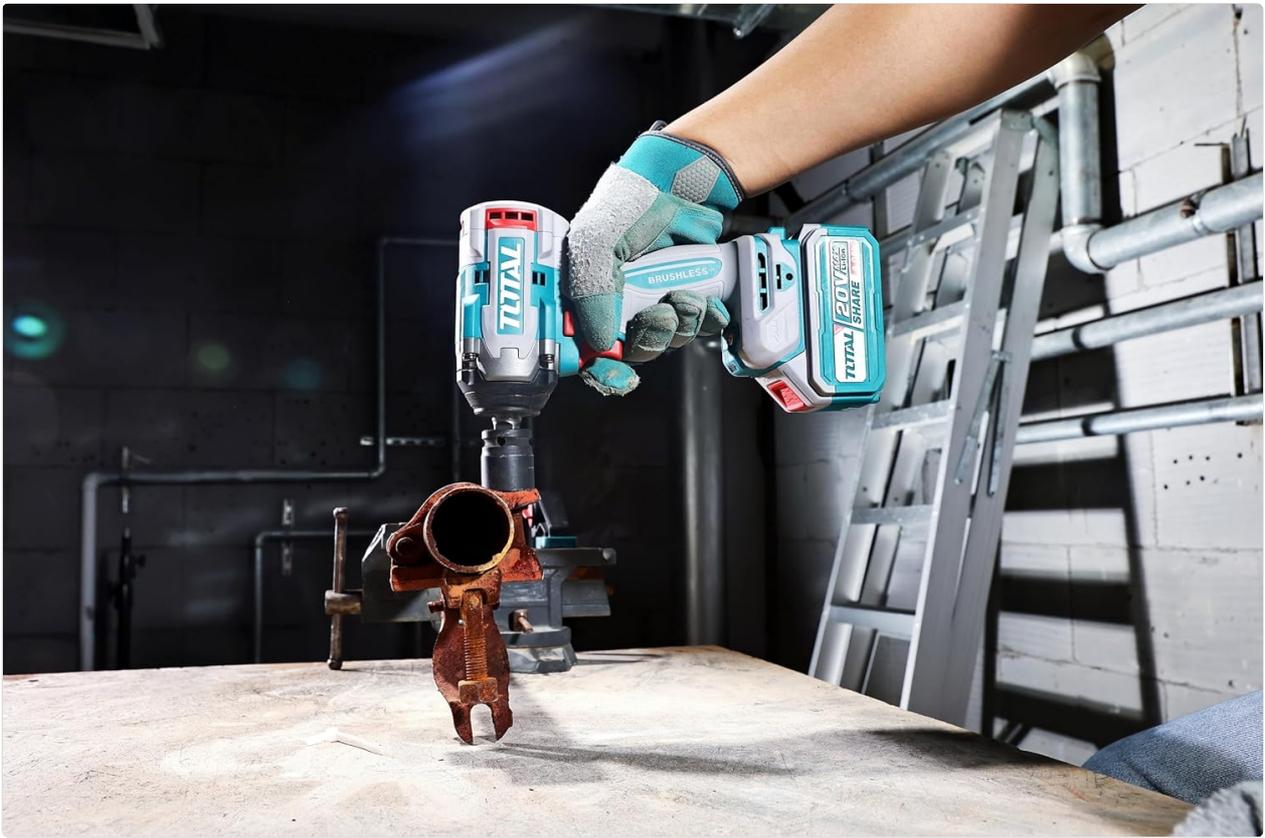


Figure 4: The TOTAL TIWLI2085 impact wrench in action, fastening a bolt on a metal workpiece, highlighting its versatility for various heavy-duty applications.

6. Maintenance

Regular maintenance ensures optimal performance and extends the life of your impact wrench.

- **Cleaning:** Keep the tool's ventilation openings clean and free of debris. Use a soft, damp cloth to wipe down the housing. Do not use harsh chemicals or abrasive cleaners.
- **Battery Care:** Store batteries in a cool, dry place away from direct sunlight and extreme temperatures. Do not store fully discharged batteries for extended periods.
- **Inspection:** Periodically inspect the square drive anvil for wear or damage. Check the power cord of the charger for any cuts or fraying.
- **Lubrication:** This tool features a brushless motor and sealed components, requiring no user lubrication.

For any repairs or internal maintenance, contact qualified service personnel.

7. Troubleshooting

This section addresses common issues you might encounter with your impact wrench.

Problem	Possible Cause	Solution
Tool does not start	Battery not charged or improperly installed.	Ensure battery is fully charged and correctly inserted until it clicks.
Reduced power or torque	Low battery charge. Incorrect speed/impact setting.	Recharge battery. Select a higher speed/impact setting.

Problem	Possible Cause	Solution
Socket does not attach securely	Socket not fully engaged. Anvil or socket worn.	Push socket firmly until it locks. Inspect anvil and socket for damage; replace if necessary.
Tool overheats	Prolonged heavy use. Blocked ventilation.	Allow tool to cool down. Clear any obstructions from ventilation slots.

8. Specifications

Technical specifications for the TOTAL 20V Cordless Brushless Impact Wrench TIWLI2085:

Feature	Specification
Model Number	TIWLI2085
Motor Type	Brushless
Operating Voltage	20V
Square Drive	1.27 cm (1/2 inch)
No-load Speed	0-1600 / 0-2100 / 0-2400 RPM
Impact Rate	0-1500 / 0-1800 / 0-2200 BPM
Fastening Torque	850 Nm
Nut-busting Torque	1000 Nm
Integrated Features	LED Work Light
Battery Capacity	2 x 4.0Ah (TFBLI2002)
Charger Voltage	220-240V~50/60Hz (TFCLI2001E)
Product Dimensions	10 x 20 x 37 cm
Item Weight	209 g (Note: This weight may refer to a specific component or be a data entry error, as typical impact wrenches of this power are heavier.)
Material	Plastic
Color	Gray and Teal

Feature	Specification
Date First Available	September 23, 2024

9. Warranty and Support

TOTAL 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 TOTAL dealer or customer service center. Keep your purchase receipt as proof of purchase.

For further assistance, visit the official TOTAL tools website or contact their customer support.