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- › [Dong Cheng](#) /
- › [Dong Cheng 20V Brushless Impact Wrench User Manual](#)

Dong Cheng DCPB698

Dong Cheng 20V Brushless Impact Wrench User Manual

Model: DCPB698

PRODUCT OVERVIEW

The Dong Cheng 20V Brushless Impact Wrench (Model DCPB698) is a high-performance cordless tool designed for heavy-duty fastening and loosening tasks. Featuring a powerful brushless motor and adjustable speed settings, it delivers exceptional torque for automotive repairs, construction, and general maintenance. This manual provides essential information for safe and effective operation, maintenance, and troubleshooting.



Figure 1: Dong Cheng 20V Brushless Impact Wrench and included accessories.

Key Features:

- **Maximum Torque Performance:** Up to 515 ft-lbs (698 N.m) tightening and 670 ft-lbs (910 N.m) loosening torque.
- **4-Speed Adjustable Control:** Precise torque settings (265, 295, 368, 515 ft-lbs) and variable speed trigger.
- **Enhanced Brushless Motor:** All-copper motor for stable power and extended runtime.
- **Rapid Directional Change:** Quick forward/reverse switching.
- **Integrated LED Illumination:** Built-in light for enhanced visibility.
- **Comprehensive Package:** Includes 4.0Ah battery, fast charger, 4 impact sockets, cylindrical pins, O-rings, and a nylon bag.

SETUP

1. Charging the Battery

Before first use, fully charge the 4.0Ah Lithium-Ion battery. Insert the battery into the provided fast charger. The charger's indicator light will show the charging status (red for charging, green for complete). Ensure the battery is securely seated.



Figure 2: Battery and charger for the impact wrench.

To check the battery level, press the button on the battery pack. Indicator lights will illuminate to show the remaining charge.

POWER BOSS 20V MAX



POWERS 50+ TOOLS



Figure 3: Battery power indicator showing charging status.

2. Attaching Impact Sockets

The impact wrench comes with 4-piece impact sockets (3/8", 1/2", 3/4", 13/16"), 2 cylindrical pins, and 2 O-rings. To attach a socket:

1. Select the appropriate size impact socket for your task.
2. Align the hole on the socket with the hole on the wrench's anvil.
3. Insert a cylindrical pin through both holes.
4. Secure the pin by placing an O-ring around the socket, over the grooves of the pin, to hold it in place.

Video 1: Demonstrating how to attach an impact socket to the wrench.

Note: The pins and O-rings are small and can be easily lost. Handle them with care.

OPERATING INSTRUCTIONS

1. Powering On/Off and Directional Control

The tool features a safety lock. To operate, push the red button (directional switch) to the left for forward (tightening) or to the right for reverse (loosening). When the switch is in the middle position, the tool is locked and will not operate.



Figure 4: Forward and Reverse operation of the impact wrench.

Press the variable speed trigger to start the tool. The integrated LED light will illuminate the workspace when the trigger is pressed.

2. Adjusting Speed and Torque Modes

The impact wrench offers 4 precise torque settings (L, M, H, T) and a variable speed trigger for optimal control across various applications. Use the mode selection button located on top of the tool to cycle through the different modes:

- **L Mode:** Lowest speed/torque (265 ft-lbs) for delicate tasks.
- **M Mode:** Medium speed/torque (295 ft-lbs).

- **H Mode:** High speed/torque (368 ft-lbs) for general fastening.
- **T Mode:** Maximum torque (515 ft-lbs tightening, 670 ft-lbs loosening) for heavy-duty applications.

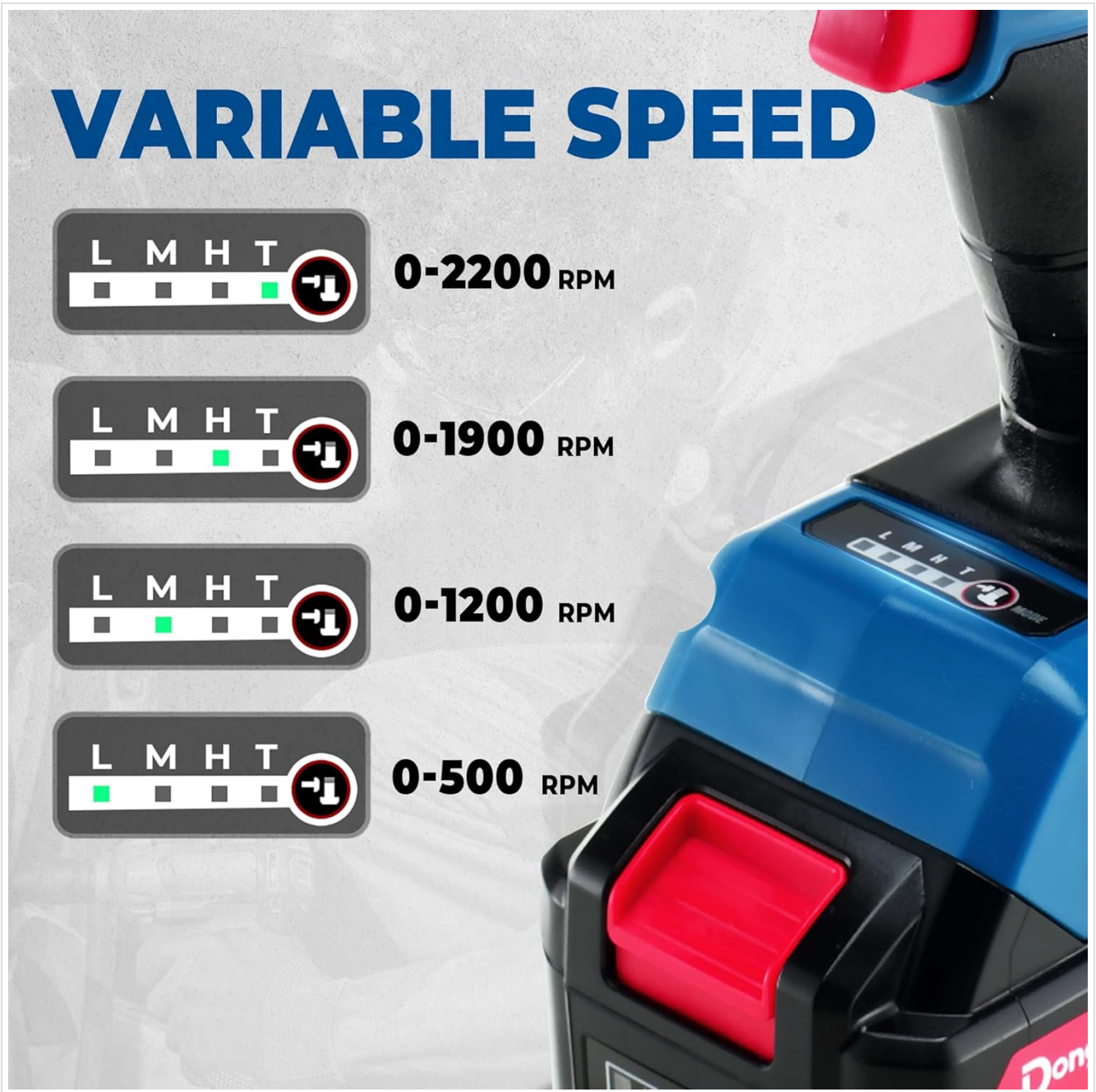


Figure 5: Variable speed and torque settings.

The brushless motor ensures stable power delivery and extended runtime, making it suitable for prolonged use without overheating.

ORIGINAL GENUINE BRUSHLESS MOTOR

Intelligent and Efficient electronic energy control

+80% ↑
Power

+60% ↑
Life Time

-60% ↓
Noise



Figure 6: Benefits of the enhanced brushless motor.

Video 2: Overview of the Dong Cheng 20V Brushless Impact Wrench features and capabilities.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Dong Cheng Impact Wrench.

- **Cleaning:** Keep the tool clean and free from dust and debris. Use a dry cloth to wipe down the exterior. 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.
- **Socket Inspection:** Regularly inspect impact sockets for wear or damage. Replace worn sockets to prevent

slippage and damage to fasteners.

- **Ventilation:** Ensure the tool's ventilation slots are clear to prevent overheating, especially during prolonged use.
- **Storage:** Store the tool and accessories in the provided heavy-duty nylon bag in a dry, secure location.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not start	Battery not charged; Battery not properly inserted; Directional switch in middle (locked) position.	Charge battery; Re-insert battery securely; Move directional switch to forward or reverse.
Reduced power/torque	Low battery charge; Incorrect mode selected; Worn or incorrect socket size.	Recharge battery; Select higher torque mode; Use correct and undamaged socket.
Overheating during use	Blocked ventilation slots; Prolonged heavy use.	Clear ventilation slots; Allow tool to cool down.
Socket detaches easily	Missing or damaged cylindrical pin/O-ring.	Ensure pin and O-ring are correctly installed and undamaged. Replace if necessary.

SPECIFICATIONS

- **Brand:** Dong Cheng
- **Model Number:** DCPB698
- **Voltage:** 20 Volts
- **Operation Mode:** Battery Powered
- **Item Torque:** 515 Foot Pounds (tightening), 670 Foot Pounds (loosening)
- **Head Style:** Friction Ring
- **Material:** Iron
- **Item Weight:** 10.1 pounds
- **Package Dimensions:** 15.2 x 9.33 x 5.75 inches
- **Batteries:** 1 Lithium Ion battery required (included)
- **Included Components:** 1 * Impact Wrench, 1 * 4.0AH battery, 1 * Charger, 4 * Impact Sockets, 2 * Cylindrical Pin, 2 * O-ring, 1 * Nylon Bag
- **Country of Origin:** China

WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the warranty card included in your product package or visit the official Dong Cheng Power Tools store on Amazon: [DongCheng Power Tools Store](#).

Dong Cheng is committed to continuous improvement and innovation to provide reliable power tools. Customer feedback is valued for ongoing product enhancement.