

DIYtoolifz SKU120880002-US-11-FBA

DIYtoolifz 1/2 inch Impact Wrench (1360N.m) Instruction Manual

Model: SKU120880002-US-11-FBA

INTRODUCTION

Thank you for choosing the DIYtoolifz 1/2 inch Cordless Impact Wrench. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new tool. Please read this manual thoroughly before use and keep it for future reference.

This impact wrench is designed for various fastening and loosening tasks, offering high torque and variable speed control. It is compatible with DeWalt 20V batteries (battery not included).

SAFETY INFORMATION

Always follow basic safety precautions when using power tools to reduce the risk of fire, electric shock, and personal injury. Keep your work area clean and well-lit. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.

- **Eye Protection:** Always wear appropriate eye protection (safety glasses or goggles) when operating the impact wrench.
- **Hearing Protection:** Wear hearing protection during extended use to prevent hearing damage.
- **Hand Protection:** Use work gloves to protect your hands.
- **Secure Workpiece:** Always secure the workpiece before operating the tool.
- **Battery Compatibility:** Use only DeWalt 20V batteries with this tool. Ensure the battery is fully charged before use.
- **Avoid Over-tightening:** Use appropriate torque settings to prevent damage to fasteners or the workpiece.
- **Ventilation:** Ensure adequate ventilation in your work area.
- **Not for Heavy Truck Tires:** This tool is ideal for everyday car tire changes and general fastening tasks, but it is not recommended for heavy truck tires.

PRODUCT OVERVIEW

The DIYtoolifz 1/2 inch Impact Wrench features a brushless motor for extended runtime and durability. It offers multiple speed settings and a bright LED work light for improved visibility.



Figure 1: Key components of the DIYtoolifz 1/2 inch Impact Wrench. Features include a 1/2 inch hog ring anvil, trigger switch, forward/reverse button, speed gear display, reverse self-stop function, speed control button, and work light.

- **1/2 Inch Hog Ring Anvil:** Allows for quick and easy socket changes.
- **Brushless Motor:** Provides efficient power delivery and longer tool life.
- **Variable Speed Trigger:** Offers precise control over fastening and loosening applications.
- **4 Modes:** Includes 3 forward speeds and 1 reverse speed with an auto-stop feature.
- **LED Work Light:** Illuminates the work area for enhanced visibility.
- **Battery Compatibility:** Designed to work with DeWalt 20V batteries (battery not included).

SETUP

1. Attaching the Battery

Ensure the battery is fully charged before attaching it to the tool. This impact wrench is compatible with DeWalt 20V batteries (e.g., DCB200, DCB201, DCB202, DCB203, DCB204, DCB205, DCB206). For

optimal performance, a 4Ah or higher battery is recommended.

1. Align the battery pack with the battery port on the base of the impact wrench handle.
2. Slide the battery pack into the tool until it clicks securely into place.
3. To remove the battery, press the release button on the battery pack and slide it out.



Figure 2: The impact wrench with a DeWalt 20V battery attached, demonstrating compatibility. The battery is not included with the bare tool.

2. Attaching/Removing Sockets

This impact wrench features a 1/2 inch hog ring anvil for quick socket changes.

1. To attach a socket, simply push the 1/2 inch square drive socket onto the anvil until it snaps into place.
2. To remove a socket, firmly pull the socket off the anvil.

OPERATING INSTRUCTIONS

1. Powering On/Off and Variable Speed Control

The tool is activated by pressing the trigger switch. The speed of the tool is controlled by the amount of

pressure applied to the trigger. Pressing the trigger further increases the speed.



Figure 3: The variable speed trigger allows for precise control. The display shows the current speed setting and battery life.

2. Forward/Reverse Rotation

The forward/reverse button (typically located above the trigger) controls the direction of rotation. Push the button to the left for forward rotation (tightening) and to the right for reverse rotation (loosening).

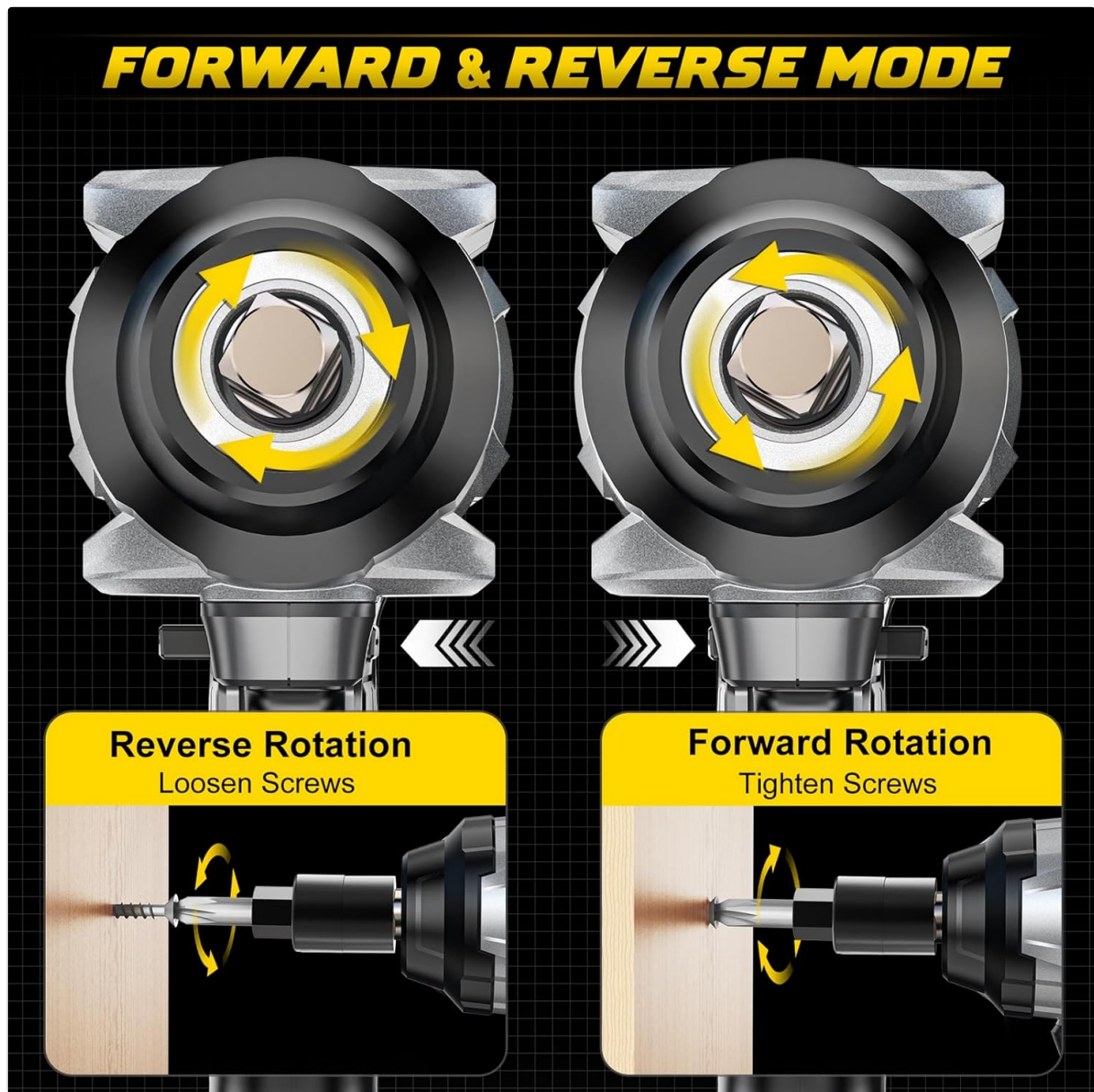


Figure 4: Illustration of the forward rotation for tightening screws and reverse rotation for loosening screws.

3. Speed and Torque Settings (4 Modes)

The impact wrench features multiple speed settings to match the application. Use the speed control button (often located near the battery indicator) to cycle through the available modes.

- **Forward Modes (1, 2, 3):** These modes offer increasing RPM and tightening torque.
 - Mode 1: 0-1200 RPM, 0-500 ft-lbs torque
 - Mode 2: 0-1600 RPM, 0-700 ft-lbs torque
 - Mode 3: 0-2000 RPM, 0-900 ft-lbs torque
- **Reverse Mode (Auto-Stop):** This mode is designed for loosening. It provides 0-2100 RPM and up to 1000 ft-lbs (1360 N.m) loosening torque. The auto-stop feature prevents over-loosening by stopping rotation once the fastener is free, helping to prevent nuts from falling off.

MAX TORQUE 1000 FT-LBS

950 FT-LBS MAX TIGHTENING TORQUE



Figure 5: The control panel displaying battery life, speed settings (1, 2, 3), and the auto-stop reverse mode.

4. LED Work Light

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

MAINTENANCE

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

- **Cleaning:** Keep the tool clean and free of dust and debris. Use a soft, damp cloth for cleaning. Do not use harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically inspect the tool for any signs of damage, loose parts, or wear. Ensure the anvil is free from obstructions.
- **Storage:** Store the tool in a dry, secure place away from direct sunlight and extreme temperatures. Remove the battery pack when storing the tool for extended periods.
- **Lubrication:** The brushless motor is maintenance-free. No additional lubrication is required.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not start	Battery not inserted correctly; Battery discharged; Tool malfunction.	Ensure battery is fully seated; Charge battery; Contact customer support.
Reduced power/torque	Low battery charge; Incorrect speed setting; Worn or damaged socket.	Charge battery; Select higher speed/torque mode; Replace socket.
Excessive vibration/noise	Loose components; Damaged anvil or internal parts.	Check for loose parts and tighten; Discontinue use and contact customer support.
LED light not working	Tool malfunction.	Contact customer support.

SPECIFICATIONS

Feature	Specification
Model	SKU120880002-US-11-FBA
Brand	DIYtoolifz
Voltage	20 Volts (Compatible with DeWalt 20V batteries)
Anvil Size	1/2 inch Square Drive (Hog Ring)
Max Tightening Torque	950 ft-lbs (1288 N.m)
Max Loosening Torque	1000 ft-lbs (1360 N.m)
No-Load Speed (RPM)	0-2100 RPM (Variable)
Speed Settings	3 Forward, 1 Reverse (with Auto-Stop)
Motor Type	Brushless
Material	Chrome Vanadium Steel, Metal
Item Weight	5 Pounds (without battery)

PRODUCT VIDEOS

DIYtoolifz 1/2 inch Impact Wrench Overview

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This video provides a brief overview of the DIYtoolifz 1/2 inch Impact Wrench, highlighting its key features and compatibility with DeWalt 20V batteries.

Demonstration of Torque and Speed

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Watch the impact wrench in action, demonstrating its powerful 900 ft-lbs tightening torque and 950 ft-lbs loosening torque for various applications.

Features and Functionality

Your browser does not support the video tag.

This video showcases the tool's brushless motor, LED work light, and one-key forward/reverse change for efficient operation.

WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact DIYtoolifz customer service. Refer to your purchase documentation for specific warranty terms and conditions.

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