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› WnewTools ID-L2 18V Brushless Impact Driver User Manual

WnewTools ID-L2

WnewTools ID-L2 18V Brushless Impact Driver User Manual

Model: ID-L2

1. INTRODUCTION

Thank you for choosing the WnewTools ID-L2 18V Brushless Impact Driver. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your new tool. Please read this manual thoroughly before use and retain it for future reference.

1.1 Safety Information

Always observe basic safety precautions 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. Always wear appropriate personal protective equipment, including eye protection, hearing protection, and gloves.

2. PRODUCT COMPONENTS

The WnewTools ID-L2 Impact Driver is designed for fastening and loosening screws and bolts. It features a brushless motor for extended life and efficiency.



Figure 2.1: The WnewTools ID-L2 Impact Driver, shown with its user manual and a compatible screwdriver bit.

2.1 Package Contents

- 1 x WnewTools ID-L2 Cordless Impact Driver
- *Note: Battery and charger are not included and must be purchased separately. This tool is compatible with 18V M-type batteries.*

2.2 Key Features

- **Brushless Motor:** Provides high efficiency, longer tool life, and reduced maintenance.
- **High Torque:** Up to 480 N.M for demanding applications.
- **Variable Speed Trigger:** Allows precise control over fastening and loosening operations.
- **Multiple Speed Modes:** 3 forward modes (0-1600rpm, 0-2100rpm, 0-2800rpm) and 2 reverse modes (0-1600rpm, 0-2800rpm) with a brake-stop function.

- **1/2" Quick Release Chuck:** Enables fast and easy bit changes.
- **LED Work Light:** Illuminates the work area for improved visibility.
- **Rubber Grip Handle:** Enhances comfort and control during use.



Figure 2.2: The ergonomic design of the ID-L2 Impact Driver, showing a comfortable grip for user control.

3. SPECIFICATIONS

Feature	Specification
Model	ID-L2
Voltage	18V (compatible with M-type batteries)
Maximum Torque	480 N.M
No-Load Speed (Forward)	0-1600 rpm / 0-2100 rpm / 0-2800 rpm
No-Load Speed (Reverse)	0-1600 rpm / 0-2800 rpm
Impact Frequency	3500 bpm

Feature	Specification
Chuck Size	1/2 inch Quick Release
Machine Screws Capacity	M4-M8 (5/32-5/16")
Standard Bolt Capacity	M5-M16 (3/16-5/8")
High Strength Bolt Capacity	M5-M12 (3/16-1/2")
Rough Thread Length Capacity	22-125 mm (7/8-4-7/8")
Dimensions (L x W x H)	8.66 x 3.15 x 5.91 inches
Weight (Tool Only)	1030 Grams (approx. 2.27 lbs)

4. SETUP

4.1 Battery Installation

1. Ensure the impact driver is switched off and the forward/reverse selector is in the center (locked) position.
2. Align the 18V M-type battery with the battery port at the base of the tool.
3. Slide the battery firmly into place until it clicks, indicating it is securely locked.
4. To remove the battery, press the release button(s) on the battery pack and slide it out.

4.2 Bit Installation and Removal

The ID-L2 features a 1/2" quick-release chuck for efficient bit changes.

1/2" Quick Release Chuck

Enable easy one-handed bit changing



*Battery Not Included

Figure 4.1: Steps for installing a bit into the 1/2" quick release chuck.

1. Ensure the tool is switched off and the battery is removed for safety.
2. Pull the chuck collar forward (away from the tool body).
3. Insert the desired 1/2" hex shank bit fully into the chuck.
4. Release the chuck collar. The bit should be securely held in place. Gently pull on the bit to confirm it is locked.
5. To remove a bit, pull the chuck collar forward and pull the bit out.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off and Variable Speed Trigger

The tool is powered on by pressing the variable speed trigger. The speed of the impact driver is controlled by the amount of pressure applied to the trigger. Pressing the trigger lightly results in lower speed, while pressing it fully results in maximum speed.

Detail Display



①Speed Adjustment Button



②Variable Speed Trigger



③LED Work Light



④Rubber Grip Handle

Figure 5.1: Key operational controls including the speed adjustment button and variable speed trigger.

5.2 Forward/Reverse Rotation and Speed Modes

The forward/reverse selector switch is located above the trigger. Push it to the left for forward rotation (fastening) and to the right for reverse rotation (loosening). The center position locks the trigger for safety.

Forward / Reverse Rotation

Help you fasten or loosen the screws easily



Figure 5.2: Forward/Reverse selector and available speed modes.

The ID-L2 offers multiple speed settings for different applications:

- **Forward Modes (Fastening):**
 - Mode 1: 0-1600 rpm
 - Mode 2: 0-2100 rpm
 - Mode 3: 0-2800 rpm
- **Reverse Modes (Loosening):**
 - Mode 1: 0-1600 rpm
 - Mode 3: 0-2800 rpm
 - **Brake-Stop Mode:** Engages a brake when the trigger is released in reverse, preventing over-loosening.

Use the speed adjustment button (refer to Figure 5.1) to cycle through the available speed modes.

5.3 LED Work Light

The integrated LED work light automatically illuminates when the trigger is pressed, providing visibility in dimly lit work areas. It turns off shortly after the trigger is released.

6. MAINTENANCE

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

6.1 Cleaning

- Always disconnect the battery before cleaning.
- Use a soft, damp cloth to wipe down the exterior of the tool. Do not use harsh chemicals or abrasive cleaners.
- Keep the ventilation openings clear of dust and debris to prevent overheating. Use compressed air if necessary.
- Clean the chuck regularly to ensure smooth bit changes.

6.2 Storage

- Store the impact driver in a dry, secure location, away from direct sunlight and extreme temperatures.
- Remove the battery from the tool before storing for extended periods.
- Keep the tool out of reach of children.

7. TROUBLESHOOTING

If you encounter issues with your WnewTools ID-L2 Impact Driver, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Tool does not start	Battery not installed correctly Battery discharged Forward/reverse selector in locked position	Ensure battery is fully seated Charge battery Move selector to forward or reverse position

Problem	Possible Cause	Solution
Reduced power or speed	Battery low Incorrect speed mode selected Overheating	Charge battery Select a higher speed mode Allow tool to cool down
Bit not holding in chuck	Chuck collar not fully released Incorrect bit type	Ensure chuck collar snaps back into place Use 1/2" hex shank bits only
Excessive vibration or noise	Loose bit Damaged bit Internal issue	Ensure bit is securely installed Replace damaged bit Contact customer support if problem persists

For issues not covered in this section, please contact WnewTools customer support.

8. WARRANTY INFORMATION

WnewTools products are manufactured to high-quality standards. This product is covered by a limited warranty against defects in materials and workmanship from the date of purchase. Please retain your proof of purchase for warranty claims.

The warranty does not cover damage caused by misuse, abuse, normal wear and tear, unauthorized repairs, or failure to follow the instructions in this manual. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official WnewTools website.

9. CUSTOMER SUPPORT

If you have any questions, require technical assistance, or need to make a warranty claim, please contact WnewTools customer support through the retailer where the product was purchased or via the official WnewTools contact channels. Please have your product model (ID-L2) and purchase information ready when contacting support.

ASK A QUESTION ABOUT THIS MANUAL

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