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RYOBI PCL235b

RYOBI ONE+ 18V Cordless 1/4 in. Impact Driver

Model: PCL235b

Introduction

The RYOBI ONE+ 18V Cordless 1/4 in. Impact Driver is designed to expand your RYOBI 18V ONE+ System. This powerful tool is equipped with a motor providing up to 1,800 in./lbs. of torque, making it suitable for various driving applications. Its 1/4 inch quick connection collet allows for convenient bit changes, and the integrated LED worklight enhances visibility in dimly lit areas. This tool is part of the extensive RYOBI 18V ONE+ System, ensuring compatibility with over 260 cordless tools on the same battery platform. Please note that the battery and charger are sold separately.



Figure 1: RYOBI ONE+ 18V Cordless 1/4 in. Impact Driver (Tool Only)

Setup

1. Battery Installation

This impact driver is a 'Tool Only' product and requires a RYOBI 18V ONE+ battery (sold separately) for operation. Ensure the battery is fully charged before use.

1. Align the ribs on the battery with the grooves in the tool's battery port.
2. Slide the battery into the tool until it clicks securely into place.
3. To remove the battery, press the latch buttons on the sides of the battery pack and pull the battery out of the tool.



Figure 2: Illustration showing the need for a separate battery and charger.

2. Bit Installation

The impact driver features a 1/4 inch quick connect collet for easy bit changes.

1. Pull the collet sleeve forward to unlock the chuck.
2. Insert the 1/4 inch hex shank bit fully into the chuck.
3. Release the collet sleeve. The bit should be securely locked in place. Pull on the bit to ensure it is properly seated.
4. To remove the bit, pull the collet sleeve forward and pull the bit out.

Operating Instructions

1. Powering On/Off and Speed Control

The tool is activated by pressing the trigger switch. The speed of the impact driver is controlled by the amount of pressure applied to the trigger. More pressure results in higher speed and torque.

- To start the tool, depress the trigger switch.

- To stop the tool, release the trigger switch.

2. Forward/Reverse Rotation

The direction of rotation is controlled by the forward/reverse selector switch located above the trigger.

- For forward rotation (driving screws), push the selector switch to the left.
- For reverse rotation (removing screws), push the selector switch to the right.
- For safety, ensure the selector switch is in the center (locked) position when not in use or when changing bits.

3. LED Worklight

The impact driver is equipped with an on-board LED worklight that illuminates the work area when the trigger is depressed. This feature provides improved visibility in low-light conditions.

Maintenance

Regular maintenance ensures optimal performance and extends the life of your RYOBI Impact Driver.

- **Cleaning:** Keep the tool's air vents free of debris to prevent overheating. Use a clean, dry cloth to wipe down the tool. Do not use harsh chemicals or abrasive cleaners.
- **Bit Care:** Ensure bits are clean and free of rust. Replace worn or damaged bits to prevent stripping screw heads.
- **Storage:** Store the tool and batteries in a cool, dry place away from direct sunlight and moisture. Remove the battery from the tool when not in use for extended periods.
- **Battery Maintenance:** Follow the instructions provided with your RYOBI 18V ONE+ battery and charger for proper charging and storage.

Troubleshooting

Problem	Possible Cause	Solution
Tool does not start.	Battery not installed correctly or discharged.	Ensure battery is fully seated. Charge battery if necessary.
Bit slips or strips screw head.	Incorrect bit size, worn bit, or insufficient pressure.	Use correct bit size. Replace worn bits. Apply firm, consistent pressure.
Tool overheats.	Blocked air vents or continuous heavy use.	Clear air vents. Allow tool to cool down during prolonged use.

Specifications

Feature	Detail
Brand	RYOBI
Model Number	PCL235b
Power Source	Battery Powered (18V ONE+ System)

Feature	Detail
Maximum Torque	1,800 in./lbs.
Impacts Per Minute (IPM)	Up to 3,400 IPM
No-Load Speed	3400 RPM
Chuck Type	1/4 in. Quick Connect Collet
Special Feature	Built-In LED Working Light
Weight	2.59 lbs (Tool Only)
Dimensions (L x W x H)	6.7" x 2.9" x 7.4"

Warranty and Support

The RYOBI ONE+ 18V Cordless 1/4 in. Impact Driver is backed by the RYOBI**3-Year Manufacturer's Warranty**. For warranty claims, technical support, or service inquiries, please refer to the official RYOBI website or contact their customer service department. Keep your proof of purchase for warranty validation.
For more information, visit theOfficial RYOBI Website.

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