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RYOBI P261

RYOBI R18IW3-0 Impact Wrench User Manual

Model: P261

Introduction

The RYOBI R18IW3-0 Impact Wrench is a powerful 18-volt cordless tool designed for heavy-duty fastening applications. Its impact mechanism delivers significant torque and impacts per minute, making it suitable for a wide range of tasks from automotive repairs to construction projects. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your impact wrench.



Figure 1: Main view of the RYOBI R18IW3-0 Impact Wrench, showcasing its compact design and ergonomic grip.

Safety Information

Always read and understand all safety warnings, instructions, illustrations, and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

- **Work Area Safety:** Keep your work area clean and well-lit. Cluttered or dark areas invite accidents.
- **Electrical Safety:** Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating the tool for extended periods.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
- **Battery Use and Care:** This tool is designed for use with RYOBI ONE+ 18V Lithium-Ion batteries. Ensure the battery is fully charged before use.

Setup

Battery Installation

1. Ensure the impact wrench is turned off and the trigger is locked.
2. Align the battery pack with the battery port on the tool handle.
3. Slide the battery pack into the tool until it clicks securely into place.
4. To remove, press the release latches on the battery pack and pull it out.

Socket Installation

The impact wrench features a 1/2" square anvil with detent pin retention for secure socket attachment.

1. Select the appropriate 1/2" drive impact-rated socket for your application.
2. Push the socket firmly onto the 1/2" square anvil until the detent pin engages the hole in the socket, securing it in place.
3. To remove, pull the socket off the anvil while pressing the detent pin (if applicable, some designs are friction-fit).



Figure 2: Close-up view of the 1/2" square anvil and the Tri-Beam LED lights, which illuminate the work area.

Operating Instructions

Powering On/Off

The tool is activated by pressing the trigger. Release the trigger to turn the tool off.

Speed Selection

The R18IW3-0 features a 3-speed selector switch, allowing for greater control over various fastening applications. The speeds are:

- **Speed 1:** Lower RPM (e.g., 0-2300 RPM) for delicate tasks or when precise control is needed.
- **Speed 2:** Medium RPM for general fastening.
- **Speed 3:** Maximum RPM (e.g., 0-2900 RPM) and torque (300 ft. lbs.) for heavy-duty applications like loosening stubborn lug nuts.

Adjust the speed using the selector switch located on the top of the tool body.



Figure 3: The 3-speed selector switch on the top of the tool, allowing users to choose the appropriate speed setting for their task.

Forward/Reverse Rotation

The direction of rotation is controlled by the forward/reverse lever located above the trigger. Push the lever to the left for forward rotation (tightening) and to the right for reverse rotation (loosening).

Applying Torque

For tightening, apply steady pressure to the tool and press the trigger. The impact mechanism will engage as resistance is met. For loosening, ensure the tool is set to reverse and apply pressure.
Note: While this impact wrench provides significant torque, always use a torque wrench for final tightening of critical fasteners, such as lug nuts, to ensure proper specifications are met.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your RYOBI R18IW3-0 Impact Wrench.

- **Cleaning:** Keep the tool's air vents clear and free of debris. Use a clean, dry cloth to wipe down the exterior. Do not use solvents or harsh chemicals.
- **Anvil Inspection:** Periodically inspect the 1/2" square anvil for wear or damage. Replace if necessary to ensure proper socket retention.
- **Battery Care:** Store batteries in a cool, dry place away from direct sunlight. Do not store batteries in a discharged state for extended periods.
- **General Inspection:** Before each use, check for loose screws, misaligned or binding moving parts, broken parts, or any other condition that may affect its safe operation.

Troubleshooting

Problem	Possible Cause	Solution
Tool does not start.	Battery not installed correctly or discharged.	Ensure battery is fully seated. Charge battery if necessary.
Reduced power or torque.	Low battery charge; incorrect speed setting; worn anvil.	Recharge battery. Select higher speed setting. Inspect and replace anvil if worn.
Socket not staying on anvil.	Detent pin not engaging; worn anvil; incorrect socket type.	Ensure socket is fully pushed on. Inspect anvil for wear. Use only 1/2" drive impact-rated sockets.
Tool overheats.	Continuous heavy use; blocked air vents.	Allow tool to cool down. Clear any obstructions from air vents.

Specifications

Feature	Detail
Brand	RYOBI
Model Number	P261
Power Source	Battery Powered (18 Volts)
Maximum Torque	300 Foot Pounds (400Nm)

Feature	Detail
Maximum Rotational Speed	2900 RPM
Impacts Per Minute	Up to 3200 IPM
Number of Speeds	3
Anvil Size	1/2" Square with Detent Pin Retention
Lighting	Tri-Beam LED Light
Item Weight	3.45 Pounds
Product Dimensions	8"L x 5"W x 8"H
Material	Metal with Powder Coated Finish
Batteries Included?	No (Tool-only)
Battery Cell Type	Lithium

Warranty and Support

For warranty information, product registration, or technical support, please refer to the official RYOBI website or contact their customer service department. Keep your purchase receipt as proof of purchase for warranty claims.
Online Resources: Visit www.ryobitools.com for FAQs, additional manuals, and service center locations.
Customer Service: Refer to the contact information provided on the product packaging or the official website for direct assistance.

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