

RYOBI PSBIW01K

RYOBI ONE+ HP 18V Brushless Cordless Compact 3/8 in. Impact Wrench Kit

Model: PSBIW01K

INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your RYOBI ONE+ HP 18V Brushless Cordless Compact 3/8 in. Impact Wrench Kit. Please read this manual thoroughly before using the tool to ensure proper handling and to maximize its performance and lifespan.

The RYOBI ONE+ HP 18V Compact Brushless 3/8 in. Impact Wrench is engineered for professional use, offering a powerful solution in a compact and lightweight design. Measuring only 5.4 inches in length, it is significantly more compact and lighter than brushed alternatives, making it ideal for confined spaces and overhead tasks. Powered by a brushless motor, it delivers up to 160 ft./lbs. of torque, simplifying the removal of stubborn bolts. Its optimized impacting mechanism provides up to 3,900 IPM (Impacts Per Minute) for quick and easy fastener driving. The tool features 4 modes: high, medium, low, and a unique Auto Mode designed to prevent overtightening and uncontrolled removal in delicate or compact areas.

IMPORTANT SAFETY INFORMATION

WARNING: Read 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 work area clean and well lit. Cluttered or dark areas invite accidents. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
- **Electrical Safety:** Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- **Personal Safety:** Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. Always wear eye protection. Use safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection for appropriate conditions.
- **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. Disconnect the plug from the power source and/or remove the battery pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools.

- **Battery Tool Use and Care:** Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack. Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.

INCLUDED COMPONENTS

Your RYOBI ONE+ HP 18V Brushless Cordless Compact 3/8 in. Impact Wrench Kit includes the following items:

- (1) PSBIW01 ONE+ HP 18V Compact Brushless Cordless 4-Mode 3/8 in. Impact Wrench
- (1) PBP002 ONE+ 18V 1.5 Ah Battery
- (1) 18V Lithium-Ion Charger



Image showing the RYOBI ONE+ HP 18V Brushless Cordless Compact 3/8 in. Impact Wrench, alongside its 1.5 Ah Lithium-Ion battery and the 18V Lithium-Ion charger. These are the primary components included in the kit.

SETUP AND ASSEMBLY

1. Charging the Battery

1. Connect the 18V Lithium-Ion Charger to a standard electrical outlet.
2. Slide the 1.5 Ah Battery onto the charger, ensuring it clicks into place.
3. Allow the battery to charge fully. The charger's indicator light will signal when charging is complete (refer to charger manual for specific light patterns).
4. Once charged, remove the battery from the charger.

2. Installing the Battery

1. Align the battery pack with the base of the impact wrench.
2. Slide the battery into the tool until it locks securely into place. Ensure it is firmly seated to prevent accidental dislodgement during operation.

3. Attaching Sockets

1. Ensure the tool is off and the battery is removed before attaching or removing accessories.
2. Push the desired 3/8 inch square drive socket firmly onto the anvil of the impact wrench until it clicks into place.
3. To remove, pull the socket off the anvil.

OPERATION

Powering On/Off and Direction Control

- To turn the tool on, depress the trigger switch. The tool speed increases with increased trigger pressure.
- To turn the tool off, release the trigger switch.
- The forward/reverse selector switch is located above the trigger. Push the switch to the left for forward rotation (tightening) and to the right for reverse rotation (loosening). Position the switch in the center for the trigger lock, which prevents accidental starting.

Selecting Operating Modes

The impact wrench features 4 distinct modes to optimize performance for various applications:

- **Mode 1 (Low Speed):** Provides lower torque and speed for delicate applications or when precise control is needed.
- **Mode 2 (Medium Speed):** Offers balanced torque and speed for general fastening tasks.
- **Mode 3 (High Speed):** Delivers maximum torque (up to 160 ft./lbs.) and speed (up to 2,900 RPM) for demanding applications and stubborn fasteners.
- **Auto Mode:** This unique mode is designed to prevent overtightening during fastening and uncontrolled removal during loosening. It automatically adjusts speed and impact rate based on resistance.

Use the mode selection button, typically located near the base of the handle or on the tool head, to cycle through the available modes. An indicator light or display will show the currently selected mode.

MAINTENANCE

General Cleaning

- Always disconnect the battery pack before performing any cleaning or maintenance.
- Use a clean, dry cloth to wipe down the exterior of the tool. Do not use solvents or harsh chemicals, as they may damage plastic parts.
- Keep the ventilation openings free of dust and debris to ensure proper motor cooling. Use compressed air if necessary to clear vents.

Battery Care and Storage

- Store batteries in a cool, dry place away from direct sunlight and extreme temperatures.
- Do not store batteries in a discharged state for extended periods. Recharge them periodically if not in use.

- Protect battery terminals from shorting by keeping them away from metal objects.

Long-Term Storage

When storing the tool for extended periods, ensure the battery is removed and stored separately. Store the tool in a clean, dry, and secure location out of reach of children.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not start.	Battery not charged or not properly installed.	Ensure battery is fully charged and securely inserted into the tool.
Tool lacks power or stops during use.	Battery charge is low. Overload protection activated.	Recharge the battery. Reduce load on the tool; allow it to cool down if overheated.
Socket does not attach securely.	Incorrect socket size or debris on anvil.	Ensure you are using a 3/8 inch square drive socket. Clean any debris from the anvil.
Excessive vibration or noise.	Loose components or internal issue.	Check for any loose parts. If problem persists, discontinue use and contact customer support.

SPECIFICATIONS

Feature	Detail
Model Number	PSBIW01K
Voltage	18 Volts
Motor Type	Brushless
Drive Size	3/8 inch Square
Max Torque	160 ft./lbs.
Max RPM	2,900 RPM
Max IPM	3,900 IPM
Length	5.4 Inches
Weight (Tool Only)	Approximately 2.35 kg (5.17 pounds)
Battery Type	Lithium Ion
UPC	033287192632

WARRANTY INFORMATION

For detailed warranty information regarding your RYOBI ONE+ HP 18V Brushless Cordless Compact 3/8 in. Impact Wrench Kit, please refer to the warranty card included with your product packaging or visit the official RYOBI website.

Warranty terms and conditions may vary by region and product.

CUSTOMER SUPPORT

Should you require assistance, have questions about your tool, or need to arrange for service, please contact RYOBI customer support. Contact details can typically be found on the product packaging, the official RYOBI website, or by calling the customer service number provided in your product documentation.

For online resources and FAQs, visit: www.ryobitools.com/support

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question