RYOBI RY40860

RYOBI RY40860 21-inch 40-Volt Brushless Cordless Electric Snow Blower Instruction Manual

Model: RY40860

1. Introduction

This manual provides essential information for the safe operation, assembly, maintenance, and troubleshooting of your RYOBI RY40860 21-inch 40-Volt Brushless Cordless Electric Snow Blower. Please read and understand all instructions before using the product. Keep this manual for future reference.



Image 1.1: The RYOBI RY40860 21-inch 40-Volt Brushless Cordless Electric Snow Blower, shown with its two 40V batteries and charger.

2. Safety Information

Operating any power equipment requires adherence to safety precautions to prevent injury. Review the following safety guidelines:

- **Personal Protective Equipment:** Always wear appropriate protective gear, including safety glasses or goggles, hearing protection, and heavy-duty gloves. Wear sturdy footwear that provides good traction.
- **Clearance:** Keep hands, feet, and clothing away from all moving parts, especially the auger and discharge chute, during operation and when the unit is connected to a power source.
- **Work Area:** Ensure the area to be cleared is free of objects such as rocks, toys, wires, or other debris that could be thrown by the auger or cause damage to the unit.
- **Battery Safety:** Use only RYOBI 40-Volt batteries and chargers. Do not expose batteries to water or extreme temperatures. Always remove batteries before performing any adjustments, cleaning, or maintenance.
- **Operation Conditions:** Operate the snow blower only in daylight or good artificial light. Avoid operating on steep slopes. Exercise extreme caution when changing direction on slopes.

- **Children and Bystanders:** Keep children and bystanders at a safe distance from the operating area.
- **Storage:** Store the snow blower in a dry, secure location, out of reach of children.

For detailed safety instructions, refer to the complete safety section in the printed manual provided with your product.

3. Package Contents

Verify that all items listed below are included in your package:

- RYOBI RY40860 21-inch 40-Volt Brushless Cordless Electric Snow Blower Unit
- Two (2) RYOBI 40-Volt 5.0 Ah Lithium-Ion Batteries
- One (1) RYOBI 40-Volt Battery Charger
- Operator's Manual (this document)

4. Assembly and Setup

Follow these steps to assemble and prepare your snow blower for use:

4.1 Handle Assembly

The snow blower features telescoping collapsible handles for compact storage. To prepare for use, extend the handles and secure them in the operating position. Ensure all locking mechanisms are fully engaged.

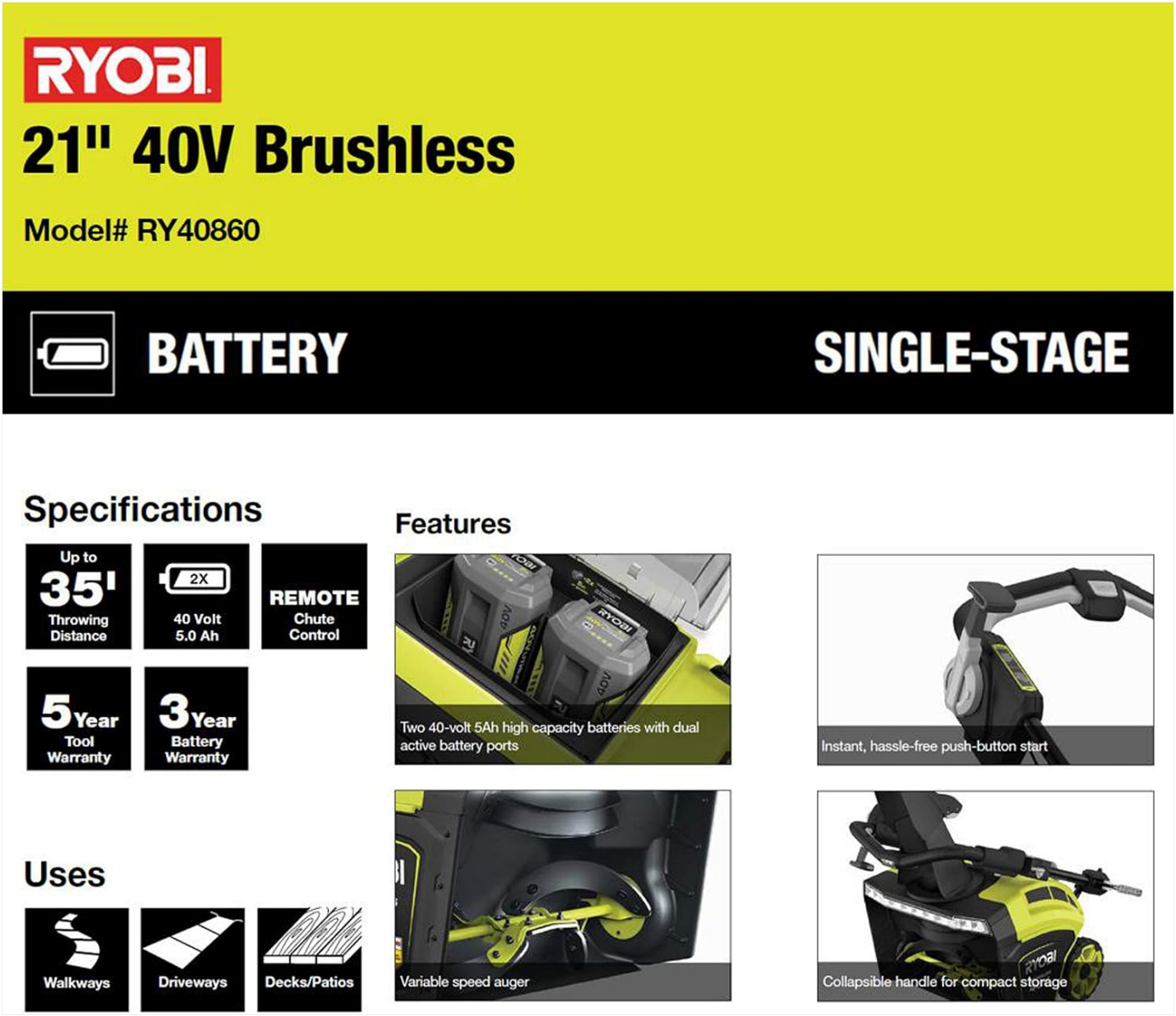


Image 4.1: The snow blower handle with integrated controls, ready for operation.

4.2 Battery Installation

The RY40860 snow blower is powered by two 40-Volt 5.0 Ah lithium-ion batteries. Locate the battery compartment on the top of the unit. Open the cover and slide each battery into its designated port until it clicks into place. Ensure both batteries are fully charged before initial use.



Image 4.2: A RYOBI 40-Volt battery being inserted into one of the two active battery ports on the snow blower.



Image 4.3: Two RYOBI 40-Volt batteries securely installed in the snow blower's battery compartment.

4.3 Chute Adjustment

The snow blower features a 180-degree directional chute. Adjust the chute direction using the control lever located on the handle to direct snow away from cleared areas or obstacles.



Image 4.4: Close-up view of the snow blower's adjustable chute and control mechanism.

5. Operation

Once assembled and batteries are installed, follow these steps for operation:

5.1 Starting the Snow Blower

1. Ensure both 40-Volt batteries are fully charged and properly seated in the battery compartment.
2. Press and hold the safety button, then squeeze the bail switch (handle lever) to engage the motor. The unit will start with a hassle-free push-button start.
3. Release the safety button once the motor is running.

5.2 Clearing Snow

- Push the snow blower forward into the snow. The brushless motor and variable speed auger will clear snow up to 13 inches deep and 21 inches wide.
- Adjust the 180-degree directional chute to throw snow up to 35 feet away, as needed.
- For optimal performance and to prevent jamming, especially in wet or heavy snow, operate at a steady pace.
- The integrated LED headlight bar provides increased visibility during low-light conditions.

5.3 Stopping the Snow Blower

Release the bail switch to stop the motor. The auger will cease rotation. Always remove the batteries when the unit is not in use or before performing any maintenance.

6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your snow blower.

6.1 Cleaning

- After each use, ensure the batteries are removed.
- Clear any snow, ice, or debris from the auger housing, chute, and underside of the unit using a non-metallic tool.
- Wipe down the exterior surfaces with a damp cloth. Do not use harsh chemicals or abrasive cleaners.

6.2 Battery Care

- Always charge batteries in a well-ventilated area.
- 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. Charge them periodically if not in use.

6.3 Storage

For compact storage, the telescoping handles can be collapsed. Ensure the unit is clean and dry before storing. Store in a secure, dry location, protected from the elements.



Image 6.1: The RYOBI RY40860 snow blower with its handles collapsed, demonstrating its compact storage capability.

7. Troubleshooting

This section addresses common issues you might encounter with your snow blower.

Problem	Possible Cause	Solution
Snow blower does not start.	Batteries not fully charged or improperly installed. Safety button/bail switch not engaged correctly.	Ensure batteries are fully charged and securely seated. Fully engage safety button and bail switch simultaneously.
Reduced snow clearing performance.	Auger housing or chute is clogged. Batteries are low on charge. Operating too quickly in heavy snow.	Remove batteries, then clear any clogs using a non-metallic tool. Recharge batteries. Reduce operating speed.
Unit stops unexpectedly during operation.	Overload protection activated due to heavy snow or obstruction. Batteries are depleted.	Release bail switch, remove batteries, clear any obstruction. Allow motor to cool. Recharge or replace batteries.

If you encounter issues not covered here or if problems persist, contact RYOBI customer support.

8. Specifications

Key technical specifications for the RYOBI RY40860 Snow Blower:

Model Number: RY40860

Power Source: Cordless, Battery Powered

Motor Type: Brushless Electric

Voltage: 40 Volts

Battery Type: Lithium-Ion

Included Batteries: Two (2) 5.0 Ah

Clearing Width: 21 inches

Clearing Depth: Up to 13 inches

Discharge Distance: Up to 35 feet

Chute Rotation: 180 degrees

Start Type: Electric Push-Button

Weight: Approximately 48.5 lbs (22 kg)

UPC: 046396028204

9. Warranty and Support

Your RYOBI RY40860 Snow Blower is backed by a manufacturer's warranty:

- **Tool Warranty:** 5-Year Limited Warranty
- **Battery Warranty:** 3-Year Limited Warranty

For warranty claims, technical assistance, or to locate authorized service centers, please contact RYOBI customer support. Refer to the warranty card included with your product for specific terms and conditions.

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