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› [RYOBI 40V Brushless Cordless Leaf Blower, Mulcher, and Vacuum \(Model RY404015BTL\) Instruction Manual](#)

RYOBI RY404015BTL

RYOBI 40V Brushless Cordless Leaf Blower, Mulcher, and Vacuum

MODEL: RY404015BTL

Introduction

This manual provides essential instructions for the safe and efficient operation, assembly, and maintenance of your RYOBI 40V Brushless Cordless Leaf Blower, Mulcher, and Vacuum. This versatile tool is designed for blowing, vacuuming, and mulching leaves and light debris, utilizing 40V HP Technology for enhanced performance. Please read this manual thoroughly before initial use and retain it for future reference.



Figure 1: RYOBI 40V Brushless Cordless Leaf Blower, Mulcher, and Vacuum. This image shows the main unit in its vacuum configuration with the collection bag attached.

Product Features

- **Single Tube Design:** Functions as a blower, vacuum, and mulcher with a single tube for

convenience.

- **40V HP Technology:** Delivers increased power for gas-like performance.
- **Jet Fan Blower:** Provides 600 CFM (Cubic Feet per Minute) for high airflow.
- **Speed Tip:** Increases air speed up to 100 MPH (Miles Per Hour).
- **Variable Speed/Cruise Control:** Allows for precise control over airflow.
- **Mode Selection:** Easily switch between blow and vacuum modes with a dial.
- **Durable Metal Impeller:** Designed to shred debris and prevent clogs, achieving a 20:1 mulching ratio.
- **Collection Bag:** Includes a 10.5-gallon capacity bag for vacuumed debris.
- **Adjustable Harness:** Provides balance and comfort during extended use.

Setup

Note: This product is sold as a tool only. Battery and charger are NOT included and must be purchased separately. Ensure you use a compatible RYOBI 40V battery.

1. **Blower Tube Assembly:** Align the blower tube with the main unit's outlet and push until it clicks securely into place.
2. **Battery Installation:** Slide a charged RYOBI 40V battery into the battery port on the main unit until it locks. Ensure it is fully seated.
3. **Switching to Vacuum Mode:** Locate the mode selection dial on the side of the unit. Turn the dial to the 'Vacuum' position.
4. **Attaching Collection Bag:** Connect the collection bag to the vacuum intake port. Ensure the bag's opening is securely fastened to prevent debris leakage.
5. **Attaching Harness:** Clip the adjustable harness to the designated attachment points on the unit. Adjust the straps for a comfortable and balanced fit across your shoulder or back.

Operating Instructions

General Safety Precautions

- Always wear safety glasses or goggles and hearing protection during operation.
- Keep bystanders, children, and pets at least 50 feet away from the operating area.
- Do not operate the unit in wet conditions or near water.
- Inspect the work area for objects that could be thrown or entangled in the unit.

Blowing Operation

1. Ensure the unit is in blower mode with the blower tube attached.
2. Hold the unit firmly with one hand on the main handle.
3. Press the trigger to start the blower. The unit features a variable speed trigger; press lightly for lower speed and fully for maximum speed (up to 100 MPH with speed tip).
4. Use the cruise control dial to maintain a desired speed without continuously holding the trigger.
5. Sweep the blower from side to side, moving leaves and debris into piles.

Vacuuming and Mulching Operation

1. Ensure the unit is in vacuum mode with the vacuum tube and collection bag attached.

2. Hold the unit firmly and position the vacuum tube over the debris.
3. Press the trigger to start the vacuum. The durable metal impeller will shred leaves, reducing them at a 20:1 ratio, and collect them in the bag.
4. Move the vacuum tube slowly over the debris, allowing the unit to draw in leaves. Avoid forcing the unit into large piles.
5. Monitor the collection bag and empty it when full to maintain optimal performance.

Maintenance

Cleaning

- **Impeller and Debris Chamber:** Regularly inspect the impeller and debris chamber for any clogs or wrapped material. Always remove the battery before cleaning. Use a non-metallic tool to carefully clear any obstructions.
- **Exterior:** Wipe down the exterior of the unit with a clean, damp cloth. Do not use strong detergents or solvents.
- **Collection Bag:** Empty the collection bag frequently. Periodically shake out any remaining debris or dust. The bag can be hand-washed with mild soap and water if heavily soiled, then air-dried completely before reattaching.

Battery Care

- **Charging:** Always use the RYOBI-approved charger for your 40V battery. Follow the charger's instructions for proper charging.
- **Storage:** Store batteries in a cool, dry place away from direct sunlight and extreme temperatures. For long-term storage, ensure batteries are partially charged (around 50%).

Troubleshooting

Problem	Possible Cause	Solution
Unit does not start	Battery not installed correctly or discharged.	Ensure battery is fully seated. Charge battery if necessary.
Reduced airflow/suction	Clogged blower/vacuum tube or impeller. Full collection bag.	Remove battery, clear any clogs from tubes/impeller. Empty collection bag.
Excessive vibration	Debris caught in impeller.	Remove battery, inspect and clear impeller of any debris.
Unit overheats	Prolonged heavy use or blocked vents.	Allow unit to cool down. Ensure vents are clear of debris.

Specifications

- **Brand:** RYOBI
- **Model:** RY404015BTL
- **Power Source:** Battery Powered (40V Lithium-Ion)
- **Voltage:** 40 Volts

- **Air Speed:** Up to 100 MPH (with speed tip)
- **Air Volume:** Up to 600 CFM
- **Mulching Ratio:** 20:1
- **Collection Bag Capacity:** 10.5 Gallons
- **Form Factor:** Handheld
- **Special Feature:** Lightweight
- **Item Weight:** Approximately 20.1 Pounds
- **Product Dimensions:** 33.5 x 14.25 x 12.6 inches
- **UPC:** 046396038869

Warranty and Support

For detailed warranty information, please refer to the warranty card included with your product packaging or visit the official RYOBI website. If you require technical assistance, replacement parts, or have questions regarding your RYOBI 40V Brushless Cordless Leaf Blower, Mulcher, and Vacuum, please contact RYOBI customer support through their official website or the contact information provided in your product documentation.