

RYOBI RBV26B

Ryobi RBV26B 26 cm³ Petrol Leaf Vacuum Cleaner Instruction Manual

Model: RBV26B | Brand: RYOBI

1. INTRODUCTION

This manual provides essential information for the safe operation, assembly, maintenance, and troubleshooting of your Ryobi RBV26B 26 cm³ Petrol Leaf Vacuum Cleaner. Please read this manual thoroughly before operating the machine to ensure proper use and to prevent injury or damage.

2. GENERAL SAFETY INSTRUCTIONS

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury. Keep this manual for future reference.

- **Read Instructions:** Familiarize yourself with the controls and proper use of the machine.
- **Personal Protective Equipment (PPE):** Always wear eye protection, hearing protection, long trousers, sturdy footwear, and gloves when operating.
- **Fuel Handling:** Handle petrol with extreme care. Store in approved containers, in a well-ventilated area, away from ignition sources.
- **Work Area:** Keep the work area clear of bystanders, children, and pets. Operate only in well-lit conditions.
- **Inspection:** Before each use, inspect the machine for loose fasteners, damaged parts, or fuel leaks. Do not operate if damaged.
- **Engine Off:** Always turn off the engine before performing any adjustments, cleaning, or maintenance.
- **Ventilation:** Do not operate the machine in an enclosed space where dangerous carbon monoxide fumes can accumulate.
- **Avoid Contact:** Keep hands, feet, and clothing away from moving parts.

3. COMPONENTS AND FEATURES

The Ryobi RBV26B is a versatile tool designed for both blowing and vacuuming garden debris. Key

components include:

- **26 cm³ 2-Stroke Engine:** Provides power for both blower and vacuum functions.
- **StartEasy Carburettor:** Facilitates easier starting.
- **Speed/Air Volume Control:** Infinitely variable for precise control.
- **PowerMulching Metal Fan Wheel:** Enhances shredding performance and durability.
- **Blower Tube:** For directing air flow.
- **Suction Tube Set:** For vacuuming debris.
- **40 Litre Leaf Collection Bag:** Attaches for collecting vacuumed material.



Figure 1: Ryobi RBV26B in vacuum configuration with the leaf collection bag.



Figure 2: The Ryobi RBV26B demonstrating its dual functionality as a leaf vacuum and a leaf blower.

4. SETUP AND ASSEMBLY

Before operating, ensure all components are correctly assembled.

4.1 Fuel Mixture Preparation

This machine uses a 2-stroke engine. It requires a specific mixture of unleaded petrol and 2-stroke engine oil. Refer to the engine oil manufacturer's instructions for the correct mixing ratio, typically 50:1 (petrol:oil) for Ryobi 2-stroke engines. Use a clean, approved fuel container for mixing.

1. Pour half the required amount of petrol into the fuel container.
2. Add the entire amount of 2-stroke oil.
3. Shake the container to mix thoroughly.
4. Add the remaining petrol and shake again.

Warning: Never use pure petrol or automotive oil. Always use fresh fuel mixture. Do not mix fuel directly in the machine's fuel tank.

4.2 Assembling for Vacuum Mode

1. Attach the suction tube set to the main unit. Ensure it clicks securely into place.
2. Connect the 40-litre leaf collection bag to the discharge port. Verify that the bag is properly sealed to prevent debris leakage.
3. Adjust the shoulder strap for comfortable use, ensuring the weight is evenly distributed.



Figure 3: Preparing the unit for vacuum operation, including attaching the collection bag.

4.3 Assembling for Blower Mode

1. Remove the suction tube set and leaf collection bag.
2. Attach the blower tube to the main unit. Ensure it is securely fastened.



Figure 4: The Ryobi RBV26B configured for leaf blowing.

5. OPERATING INSTRUCTIONS

Always wear appropriate PPE before starting the machine.

5.1 Starting the Engine

1. Fill the fuel tank with the correct petrol/oil mixture (refer to Section 4.1).
2. Set the ON/OFF switch to the "ON" position.
3. Engage the choke (if cold start).
4. Press the primer bulb several times until fuel is visible.
5. Pull the starter cord firmly until the engine attempts to start.
6. Once the engine fires, disengage the choke (if engaged).
7. Pull the starter cord again until the engine runs smoothly.
8. Allow the engine to warm up for a few moments before operating at full throttle.

5.2 Using the Blower Function

Hold the blower firmly with both hands. Direct the airflow towards the debris you wish to move. Use a sweeping motion to gather leaves into piles.



Figure 5: Operating the Ryobi RBV26B in blower mode on a paved surface.

5.3 Using the Vacuum Function

With the suction tube and collection bag attached, guide the suction tube over the leaves and debris. The PowerMulching metal fan wheel will shred the material before it enters the bag. Avoid vacuuming wet leaves or large, heavy objects to prevent clogging.



Figure 6: Operating the Ryobi RBV26B in vacuum mode to collect leaves.

5.4 Stopping the Engine

To stop the engine, move the ON/OFF switch to the "OFF" position.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your machine. Always ensure the engine is off and cool before performing any maintenance.

6.1 Cleaning

- Clean the exterior of the machine with a damp cloth.
- Remove any debris from the air intake vents and cooling fins.
- Empty and clean the leaf collection bag regularly.
- Inspect the suction and blower tubes for blockages and clear them as needed.

6.2 Air Filter

A dirty air filter can reduce engine performance. Clean or replace the air filter regularly, especially in dusty conditions.

1. Remove the air filter cover.
2. Remove the foam filter element.
3. Wash the foam filter in warm, soapy water, rinse, and allow to dry completely.
4. Lightly oil the dry filter with 2-stroke oil before reinstallation.

6.3 Spark Plug

Inspect the spark plug periodically. Clean or replace if it is fouled or worn. Ensure the gap is set correctly according to the manufacturer's specifications.

6.4 Fuel System

Drain the fuel tank if storing the machine for an extended period (over 30 days). Run the engine until it stops from lack of fuel to clear the carburettor.

6.5 Storage

Store the machine in a dry, well-ventilated area, out of reach of children. Ensure the fuel tank is empty if storing for long periods.

7. TROUBLESHOOTING

This section addresses common issues you might encounter.

Problem	Possible Cause	Solution
Engine does not start	No fuel; incorrect fuel mixture; ON/OFF switch in "OFF" position; fouled spark plug; clogged fuel filter; choke not engaged/disengaged correctly.	Check fuel level and mixture; set switch to "ON"; clean/replace spark plug; clean/replace fuel filter; adjust choke.
Engine runs poorly/lacks power	Dirty air filter; incorrect fuel mixture; fouled spark plug; carburettor adjustment needed.	Clean/replace air filter; ensure correct fuel mixture; clean/replace spark plug; consult service center for carburettor adjustment.
Poor vacuuming/blowing performance	Clogged tubes/bag; wet debris; fan wheel obstruction.	Clear blockages from tubes and bag; avoid vacuuming wet material; inspect fan wheel for debris (engine OFF).
Excessive vibration	Loose components; damaged fan wheel.	Check all fasteners; inspect fan wheel for damage (engine OFF). If damage is present, seek professional service.

If problems persist after attempting these solutions, contact a qualified service technician.

8. TECHNICAL SPECIFICATIONS

- **Model:** RBV26B
- **Engine Displacement:** 26 cm³
- **Engine Type:** 2-stroke
- **Power Source:** Fuel powered (Petrol/Oil Mixture)
- **Air Speed:** 325 km/h
- **Air Volume:** 12.8 m³/min
- **(Leaf) Chopping Ratio:** 16:1
- **Collection Bag Capacity:** 40 Litres
- **Weight:** 4.3 kg (without fuel/attachments) / 6.81 kg (shipping weight)
- **Sound Power Level:** 106.00 dB Lwa
- **Vibration Level:** 18.5 m/s²

- **Vibration Uncertainty:** 1.5 m/s²
- **Item Number:** 5133002353

9. WARRANTY AND SUPPORT

RYOBI products are manufactured to high-quality standards and are backed by a comprehensive warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official RYOBI website. Keep your proof of purchase for warranty claims.

For technical support, spare parts, or service, please contact your local RYOBI service center or authorized dealer. Contact information can typically be found on the RYOBI website or in the documentation provided with your product.

Online Resources: For additional information, product registration, and FAQs, visit www.ryobi.com.