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## PROYAMA PBB77

# PROYAMA PBB77 77cc 2-Cycle Backpack Gas Leaf Blower Instruction Manual

## 1. INTRODUCTION

This manual provides essential information for the safe operation, maintenance, and troubleshooting of your PROYAMA PBB77 77cc 2-Cycle Backpack Gas Leaf Blower. Please read this manual thoroughly before operating the equipment to ensure proper use and to prevent injury or damage.



Figure 1: PROYAMA PBB77 77cc 2-Cycle Backpack Gas Leaf Blower

The PROYAMA PBB77 is designed for efficient clearing of leaves and debris. It features a powerful 77cc 2-cycle engine, an ergonomic harness system, and an adjustable handle for user comfort and control.

## 2. SAFETY INFORMATION

Always prioritize safety when operating power equipment. Failure to follow safety instructions can result in serious injury or property damage.

- **Personal Protective Equipment (PPE):** Always wear eye protection (safety glasses or goggles),

hearing protection (earmuffs or earplugs), and sturdy footwear. Long pants and gloves are also recommended.

- **Fuel Handling:** Handle gasoline with extreme care. It is highly flammable. Store fuel in approved containers, away from ignition sources. Do not refuel while the engine is running or hot.
- **Exhaust Fumes:** The engine exhaust contains carbon monoxide, a colorless, odorless, and poisonous gas. Operate the blower only in well-ventilated outdoor areas.
- **Clear Work Area:** Ensure the work area is clear of bystanders, children, and pets. Inspect the area for objects that could be thrown by the air stream.
- **Secure Grip:** Maintain a firm grip on the blower handle at all times during operation.
- **Engine Hot:** The engine and muffler become very hot during operation and remain hot for a short time after stopping. Avoid touching hot surfaces.

### 3. COMPONENTS AND ASSEMBLY

Familiarize yourself with the main components of your PROYAMA PBB77 leaf blower before assembly and operation.



Figure 2: Key Components of the PROYAMA PBB77

The PROYAMA PBB77 comes with several key components:

- **Engine Unit:** The main power unit with fuel tank and air filter.
- **Blower Tube Assembly:** Consists of multiple sections that connect to direct the airflow.
- **Adjustable Handle:** Attaches to the blower tube for directional control.
- **Ergonomic Harness:** For comfortable carrying and weight distribution.
- **Nozzles:** Includes both round and flat end nozzles for various applications.

#### Assembly Steps:

1. Attach the flexible hose to the engine unit's air outlet. Secure with the provided clamp.
2. Connect the blower tube sections together, ensuring they click into place.
3. Slide the adjustable handle onto the blower tube and tighten it at a comfortable position.

4. Attach the desired nozzle (round or flat) to the end of the blower tube.
5. Adjust the ergonomic harness straps for a snug and comfortable fit on your back.



Figure 3: Flat and Round Nozzle Options

The flat end nozzle is ideal for heavier or stuck debris, while the round nozzle is suitable for lighter, loose debris.

## 4. SETUP

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### Fuel Mixing

The PROYAMA PBB77 uses a 2-cycle engine and requires a specific gasoline-to-oil mixture. Use fresh, unleaded gasoline with an octane rating of 89 or higher, mixed with high-quality 2-cycle engine oil.

- **Mix Ratio:** 1 part 2-cycle oil to 40 parts gasoline (1:40).
- Always mix fuel in an approved container.
- Shake the mixture thoroughly before pouring into the fuel tank.
- Do not use automotive oil or 4-cycle engine oil.

### Initial Checks

- Ensure the fuel tank cap is securely tightened.
- Check that all connections on the blower tube and handle are secure.
- Inspect the air filter for cleanliness. Clean or replace if necessary.

## 5. OPERATING INSTRUCTIONS

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### Starting the Engine

Follow these steps to start your PROYAMA PBB77 leaf blower:

1. Place the blower on a flat, stable surface.
2. Move the ignition switch on the handle to the 'ON' or 'I' position.
3. Press the primer bulb several times until fuel is visible in the clear fuel line.
4. Move the choke lever to the 'CHOKE' or 'CLOSED' position.
5. Pull the starter rope rapidly 1-4 times, or until the engine briefly 'pops' or attempts to start.
6. Once the engine 'pops', move the choke lever to the 'OPEN' position.
7. Pull the starter rope again until the engine starts.
8. Allow the engine to warm up for a few moments before applying full throttle.

# PROYAMA

## COMMERCIAL-GRADE OUTDOOR TOOLS

# 77 CC BACKPACK LEAF BLOWER



**1200CFM**  
MAX AIR FLOW

**40:1**  
FUEL MIX

**70MINS**  
2.6L TANK WORK

Figure 4: PROYAMA PBB77 Ready for Operation

For a visual guide on starting the blower, please refer to the official video below:

Video 1: How to Start PROYAMA 77cc Backpack Leaf Blower. This video demonstrates the step-by-step process for starting the PROYAMA PBB77 leaf blower, including priming, choking, and pulling the starter rope.

### Stopping the Engine

To stop the engine, simply move the ignition switch on the handle to the 'OFF' or 'O' position.

### Operating the Blower

Wear the backpack blower using the ergonomic harness system. Adjust the shoulder straps, chest strap, and waist belt for a comfortable and secure fit. The adjustable handle allows you to position the blower tube for optimal control and reduced arm fatigue.



Figure 5: Ergonomic Harness System



Figure 6: Adjustable Handle for Control

Direct the airflow towards the debris you wish to move. Use a sweeping motion to gather leaves into piles. For stubborn debris, the flat nozzle can provide a more concentrated air stream.

Video 2: Why Choose PROYAMA 77cc Backpack Leaf Blower. This video highlights the features and operational benefits of the PROYAMA PBB77 leaf blower, demonstrating its use in various outdoor clearing tasks.

## 6. MAINTENANCE

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Regular maintenance ensures optimal performance and extends the life of your leaf blower. Always turn off the engine and allow it to cool before performing any maintenance.

### Air Filter Cleaning

A dirty air filter can reduce engine performance and increase fuel consumption. Clean the air filter regularly.

1. Locate the air filter cover on the engine unit.
2. Remove the cover and carefully take out the air filter element.
3. Clean the filter by tapping it gently to remove loose dirt, or wash it with warm, soapy water if heavily soiled. Rinse thoroughly and allow it to dry completely before reinstallation.
4. Replace the air filter if it is damaged or cannot be cleaned effectively.



Figure 7: Commercial Grade Air Filter

## Spark Plug Inspection

Inspect the spark plug periodically for wear, carbon buildup, or damage. Clean or replace as needed. Refer to the specifications for the correct spark plug type and gap.

## General Cleaning and Storage

- Keep the exterior of the blower clean and free of debris.
- Before long-term storage, drain the fuel tank or use a fuel stabilizer to prevent fuel degradation.
- Store the blower in a clean, dry, and well-ventilated area, away from children and ignition sources.

## 7. TROUBLESHOOTING

If you encounter issues with your PROYAMA PBB77, consult the following table for common problems and solutions.

Problem	Possible Cause	Solution
Engine will not start	No fuel or incorrect fuel mix Ignition switch OFF Choke not set correctly Fouled spark plug	Fill with correct 1:40 fuel mix Move switch to 'ON' Adjust choke as per starting instructions Clean or replace spark plug
Loss of power during operation	Dirty air filter Incorrect fuel mix Clogged fuel filter	Clean or replace air filter Ensure correct 1:40 fuel mix Replace fuel filter (consult service center)
Excessive vibration	Loose components Damaged fan/impeller	Check and tighten all fasteners Inspect fan/impeller for damage; contact service center

If the problem persists after attempting these solutions, please contact PROYAMA customer support or a qualified service technician.

## 8. SPECIFICATIONS

The following are the technical specifications for the PROYAMA PBB77 77cc 2-Cycle Backpack Gas Leaf Blower:

- **Brand:** PROYAMA
- **Model:** PBB77
- **Engine Type:** 2-Cycle, 77cc
- **Power Source:** Gasoline, Manual Start
- **Form Factor:** Backpack
- **Air Flow Capacity:** 880 Cubic Feet Per Minute (CFM)
- **Noise Level:** 77 Decibels
- **Item Weight:** 33 Pounds
- **Product Dimensions:** 60"L x 16"W x 35"H
- **Maximum Power Speed:** 7200 RPM
- **Fuel Mix Ratio:** 1:40 (2-cycle oil to gasoline)
- **UPC:** 696177979944



### Nozzle Design

Flat nozzles ideal for debris is heavier or stuck to an object or surface. Round nozzles ideal for debris that are considered loose and not stuck to the surface.

## PROYAMA

### Backpack Leaf Blower - Designed to Better your Work

Increase your crews productivity with the powerful PROYAMA 77cc backpack leaf blower. Designed with a larger fuel tank, a reliable engine, tackle large jobs with fewer interruptions throughout the day. No matter where the job takes you, the 77cc blower is the ideal choice for heavy-duty cleanup, making it more comfortable to blow lawn clippings, leaves and other heavy.



### Commercial Grade Air Filter

The 2-stage intake air filtration ensures long operation periods in dusty conditions.



### Powerful and Efficient Engine

The 7450RPM engine design reduces harmful exhaust emissions by up to 60% and increases fuel efficiency by up to 20%.



### Ergonomic Harness

Comfortable, ventilated and load-reducing harness with hip belt and wide shoulder straps.



### Adjustable Handle

Prevent your arm from being pulled downwards for increased comfort and control, built in variable speed throttle with cruise control option for easier handling.

Figure 8: Product Dimensions

## 9. WARRANTY AND SUPPORT

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For warranty information, product support, or to purchase replacement parts, please contact PROYAMA customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

You can visit the official PROYAMA store for more information: [PROYAMA Store](#)