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PROYAMA PBC254

PROYAMA 25.4CC Gas Weed Wacker Eater / Brush Cutter User Manual

Model: PBC254

1. Introduction

This manual provides essential instructions for the safe operation, assembly, maintenance, and troubleshooting of your PROYAMA 25.4CC Gas Weed Wacker Eater and Brush Cutter, Model PBC254. Please read this manual thoroughly before operating the machine to ensure proper use and to prevent injury or damage.

The PROYAMA 25.4CC Gas Weed Wacker Eater / Brush Cutter is a versatile outdoor power tool designed for efficient yard care. It features a powerful 25.4cc 2-cycle engine, offering 1.0HP and up to 9000 RPM for effective trimming and brush cutting. This model is EPA-certified, ensuring compliance with emission standards.



Image: A man using the PROYAMA 25.4CC Gas Weed Wacker to trim grass, highlighting its runtime capability.

2. Safety Information

Always prioritize safety when operating power tools. Failure to follow safety instructions can result in serious injury.

- **Read the Manual:** Understand all instructions and warnings before use.
- **Wear Protective Gear:** Always wear eye protection, hearing protection, gloves, long pants, and sturdy footwear.
- **Clear Work Area:** Ensure the area is free of debris, rocks, and other objects that could be thrown by the cutting head.
- **Maintain a Firm Grip:** Hold the tool with both hands during operation.
- **Fuel Handling:** Mix and handle fuel in a well-ventilated area, away from ignition sources.
- **Engine Hot:** The engine and muffler become very hot during operation and can cause burns.
- **Children and Bystanders:** Keep children and bystanders at a safe distance (at least 50 feet/15 meters) from the operating area.

3. Components Overview

Familiarize yourself with the main parts of your PROYAMA 25.4CC Gas Weed Wacker / Brush Cutter:



Image: Detailed diagram illustrating the various components of the PROYAMA 25.4CC Gas Brush Cutter, including the 25.4cc engine, throttle trigger, loop handle, air filter, 61" straight shaft with steel drive, heavy-duty gear case with sealed bearing, drive shaft, and dual line bump feed trimmer head.

- **25.4cc Engine:** The power unit of the machine.
- **Throttle Trigger:** Controls engine speed.
- **Loop Handle:** Provides a comfortable grip and control.
- **Air Filter:** Protects the engine from dust and debris.
- **Shaft:** The long tube connecting the engine to the cutting head.
- **Heavy-Duty Gear Case:** Houses the gears for the cutting attachment.
- **Dual Line Bump Feed Trimmer Head:** For string trimming.
- **40T Alloy Blade:** Included for brush cutting thick vegetation.
- **Shoulder Strap:** Reduces user fatigue during extended use.



Image: An overview of the package contents, including the 25.4cc weed wacker, 40T alloy blade, trimmer head, trimmer line, shoulder strap, fuel mixing bottle, and oil.

4. Setup and Assembly

Follow these steps for initial assembly and preparation:

1. **Unboxing:** Carefully remove all components from the packaging. Check against the parts list to ensure everything is present.
2. **Handle Assembly:** Attach the loop handle to the shaft at a comfortable operating position. Secure tightly.
3. **Guard Installation:** Install the debris guard over the cutting head area.
4. **Trimmer Head / Blade Attachment:** Depending on your task, attach either the dual line bump feed trimmer head or the 40-tooth alloy blade. Ensure it is securely fastened according to the instructions provided with the specific attachment.
5. **Shoulder Strap:** Attach the shoulder strap to the designated point on the shaft. Adjust for comfortable balance.
6. **Fuel Mixing:** This is a 2-cycle engine. Mix unleaded gasoline with 2-cycle engine oil at a 50:1 ratio (2.6 oz oil

per gallon of gasoline). Use the provided mixing bottle for accuracy.

7. **Fueling:** Fill the fuel tank with the correctly mixed fuel. Do not overfill.

4.1. Trimmer Line Replacement (Tool-Free)

The easy spool trimmer head allows for quick, tool-free line replacement:

1. Insert the new trimmer line into the designated holes on the trimmer head.
2. Align both sides of the line.
3. Turn the knob on the trimmer head clockwise to wind the line into the spool.



Image: Step-by-step visual guide for loading trimmer line into the easy spool head: Line up lines, Load line equally, Twist head clockwise.



Image: A visual comparison highlighting the simplicity of the PROYAMA easy spool trimmer head for line insertion versus other designs requiring complex reassembly.

Your browser does not support the video tag.

Video: This video demonstrates how to install the PROYAMA 26cc Gas Brush Cutter, providing a visual guide for assembly.

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Video: An unboxing video for the PROYAMA 25.4CC Gas Brush Cutter, showing all included parts and initial setup steps.

5. Operating Instructions

5.1. Starting the Engine

1. **Prime the Unit:** Press the primer bulb until the primer hose is filled with gas.
2. **Choke Position:** Move the choke lever to the choke position.
3. **Pull Starter Rope:** Pull the starter rope rapidly 1-4 times or until the engine pops.
4. **Half Choke/Run Position:** Move the choke lever to the half choke or run position.
5. **Restart:** Pull the starter rope again until the engine starts.

6. **Warm-up:** Allow the engine to warm up for a few moments before engaging the throttle.

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Video: A demonstration on how to start the PROYAMA 25.4CC Gas Grass Trimmer, showing the priming and starting sequence.

5.2. Operating Modes

The PROYAMA 25.4CC offers three cutting modes:



Image: Visual representation of the three cutting modes: Powerful Cutting (brush cutter), Edger Function (trimmer head for edges), and Efficient Mowing (trimmer head for general grass cutting).

- **Mode 1: Powerful Cutting (Brush Cutter):** Use the 40-tooth alloy blade for clearing thick brush, small saplings, and dense weeds up to 2 inches in diameter.
- **Mode 2: Edger Function:** Utilize the trimmer head to create clean edges along sidewalks, driveways, and flowerbeds.
- **Mode 3: Efficient Mowing (String Trimmer):** Use the trimmer head for general grass trimming and clearing lighter vegetation. The 17-inch cutting path allows for efficient coverage.



Image: Overhead view demonstrating the 17-inch cutting path of the string trimmer.

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Video: This video showcases the PROYAMA 25.4CC Grass Trimmer in action, demonstrating its use for various lawn care tasks.

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Video: An outdoor test of the PROYAMA 25.4CC Gas Grass Trimmer, showing its performance in different conditions.

6. Maintenance

Regular maintenance ensures optimal performance and extends the life of your tool.

- **Air Filter Cleaning:** Regularly inspect and clean the air filter. A dirty air filter can reduce engine performance.
- **Spark Plug Inspection:** Check the spark plug periodically for wear and proper gap. Replace if necessary.
- **Cutting Head Maintenance:** Keep the trimmer head clean. Replace trimmer line as needed (refer to Section 4.1). If using the blade, ensure it is sharp and free from damage.
- **General Cleaning:** After each use, clean the exterior of the machine, removing grass clippings and debris.
- **Storage:** When storing for extended periods, drain the fuel tank or use a fuel stabilizer. Store in a dry, secure

location.

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Video: This video demonstrates the convenience of replacing the trimming line on the PROYAMA trimmer head.

7. Troubleshooting

Problem	Possible Cause	Solution
Engine does not start	• No fuel or incorrect fuel mix • Spark plug fouled or damaged • Choke not set correctly • Air filter clogged	• Check fuel level and mix ratio • Clean or replace spark plug • Adjust choke lever as per starting instructions • Clean or replace air filter
Loss of power during operation	• Clogged air filter • Incorrect fuel mix • Dull cutting blade/line	• Clean air filter • Ensure correct 50:1 fuel mix • Replace trimmer line or sharpen/replace blade
Excessive vibration	• Damaged or unbalanced cutting head/blade • Loose components	• Inspect and replace damaged parts • Tighten all fasteners

8. Specifications

Feature	Detail
Brand	PROYAMA
Model Number	PBC254
Engine Displacement	25.4cc
Engine Type	2-Cycle Gas Powered
Max RPM	9000 rpm
Horsepower	1.0 HP
Cutting Width (String Trimmer)	17 inches
Blade Type	40-Tooth Alloy Steel Blade
Fuel Mix Ratio	50:1 (Gasoline to 2-Cycle Oil)
Product Dimensions (L x W)	37.2" x 10.4"
Item Weight	14 lbs
Certifications	EPA Certificated Engine
UPC	684514446532

9. Warranty Information

For specific warranty details, please refer to the warranty card included with your product or contact PROYAMA customer support. Keep your purchase receipt as proof of purchase for any warranty claims.

10. Customer Support

If you have any questions, require assistance, or need genuine parts and accessories, please contact PROYAMA customer support.

How to Reach Us Via Amazon:

1. Log in to your Amazon account.
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3. Find the order ID for your PROYAMA product.
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