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## PowerSmart DB6222

# PowerSmart Gas Walk Behind String Trimmer

Model: DB6222

## INTRODUCTION

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This manual provides essential information for the safe operation, assembly, maintenance, and troubleshooting of your PowerSmart Gas Walk Behind String Trimmer, Model DB6222. Please read this manual thoroughly before operating the machine to ensure proper use and to prevent injury or damage.



Image: The PowerSmart Gas Walk Behind String Trimmer, Model DB6222, showcasing its red body, large wheels, and handle assembly.

## SAFETY INFORMATION

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Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury. Keep children and bystanders away. Wear appropriate personal protective equipment (PPE) including eye protection, hearing protection, and sturdy footwear.

### General Safety Rules

- Read and understand all instructions before operating the trimmer.
- Do not operate the trimmer in wet conditions or rain.
- Inspect the area before trimming. Remove all objects that can be thrown by the trimmer line.
- Never allow children or people unfamiliar with these instructions to operate the trimmer.
- Always wear safety glasses or goggles and hearing protection.
- Keep hands and feet away from the cutting area.
- Do not overreach. Maintain proper footing and balance at all times.
- Turn off the engine and disconnect the spark plug wire before performing any adjustments or maintenance.

## SETUP AND ASSEMBLY

Your PowerSmart Gas Walk Behind String Trimmer requires some assembly before first use. Follow these steps carefully.

### Unpacking and Initial Inspection

- Carefully remove all components from the packaging.
- Verify all parts are present according to the packing list. Included items are: Funnel (1), Wrench (2), Spark Plug Wrench (1), 0.155" Trimmer Line (10), and User Manual.
- Inspect for any shipping damage. Report any damage immediately to the retailer.



Image: An exploded view diagram of the PowerSmart trimmer, highlighting components like the engine start/stop control, recoil start, 161cc 4-stroke engine, quickly unfold design, 14-inch wheels, wrenches, spark plug wrench, easy line replacement design, and trimmer line.

### Handle Assembly

1. Unfold the handle assembly. The design allows for quick unfolding.
2. Secure the handle in the operating position using the provided hardware. Ensure all bolts and knobs are tightened securely.

# FOLDABLE HANDLE



Image: The PowerSmart trimmer with its handle folded, demonstrating the easy storage feature.

## Adding Fuel and Oil

The 161cc 4-cycle OHV gas engine requires both gasoline and engine oil. Refer to the engine manual for specific oil type and capacity, typically 10W-30 motor oil.

- Fill the engine with the recommended amount of 4-cycle engine oil. Do not overfill.
- Fill the fuel tank with fresh, unleaded gasoline. Do not use E85 or other alternative fuels.
- Always refuel in a well-ventilated area with the engine off and cool.



Image: A close-up view of the 161cc 4-cycle engine on the PowerSmart trimmer, showing the fuel cap and oil fill area.

## OPERATING INSTRUCTIONS

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Learn how to start, operate, and stop your PowerSmart Gas Walk Behind String Trimmer effectively and safely.

### Starting the Engine

1. Ensure the engine start/stop control is in the "START" position.
2. If equipped, prime the engine by pressing the primer bulb several times until fuel is visible.
3. Pull the recoil start handle firmly and smoothly until the engine starts.

### Trimming Operation

The trimmer features a 22-inch cutting swath and heavy-duty 0.155-inch trimming line, ideal for large areas and tough vegetation.

- Push the trimmer forward, allowing the rotating line to cut through weeds, brush, and tall grass.
- Adjust the cutting height between 1.90 inches and 3.90 inches as needed for different terrain and vegetation types. The 14-inch wheels provide excellent maneuverability over uneven surfaces.
- Overlap cutting paths slightly to ensure complete coverage.



Image: A person operating the PowerSmart Gas Walk Behind String Trimmer in a grassy area, demonstrating its 22-inch cutting swath.



Image: A close-up of the 14-inch wheels on the PowerSmart trimmer, designed for easy navigation over varied terrain.

## Stopping the Engine

To stop the engine, move the engine start/stop control to the "STOP" position.

## MAINTENANCE

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

# KEEP IT RUNNING

## DB6222



Image: A diagram illustrating key maintenance parts for the PowerSmart DB6222, including 10W30 oil, spark plug (#30010-2120110-00A0), air filter (#17100-Z5M0310-0000), knob combination (#203020336A, #303020140), 14" wheel (#302090366), and trimmer line (#306040043).

### Trimmer Line Replacement

The trimmer features an easy line replacement design. Use heavy-duty 0.155-inch trimming line for best results.



Image: A close-up of the trimmer head showing the heavy-duty trimmer line installed.

### **Engine Oil Check and Change**

- Check engine oil level before each use.
- Change engine oil after the first 5 hours of operation, then every 25 hours or annually, whichever comes first.

### **Air Filter Cleaning**

- Inspect the air filter regularly. Clean or replace if dirty.
- A dirty air filter can reduce engine performance and increase fuel consumption.

### **Spark Plug Inspection**

- Inspect the spark plug annually or every 50 hours of operation.
- Clean or replace if fouled or damaged. Use the provided spark plug wrench.

### **General Cleaning and Storage**

- Clean the trimmer after each use. Remove grass clippings and debris.
- For storage, fold the handle for convenient, compact storage.

## TROUBLESHOOTING

This section provides solutions to common operational issues.

Problem	Possible Cause	Solution
Engine does not start	No fuel; Old fuel; Spark plug issue; Air filter clogged; Engine start/stop control in "STOP" position.	Add fresh fuel; Drain old fuel and refill; Clean/replace spark plug; Clean/replace air filter; Move control to "START".
Engine runs poorly or stalls	Clogged air filter; Stale fuel; Incorrect oil level; Dirty spark plug.	Clean/replace air filter; Replace fuel; Check oil level and adjust; Clean/replace spark plug.
Trimmer line not cutting effectively	Worn or incorrect trimmer line; Line too short.	Replace with new 0.155" heavy-duty line; Ensure proper line length.
Excessive vibration	Damaged trimmer head; Loose components.	Inspect trimmer head for damage; Tighten all bolts and fasteners.

If problems persist after attempting these solutions, please contact PowerSmart customer support.

## SPECIFICATIONS

Feature	Detail
Brand	PowerSmart
Model Number	DB6222
Power Source	Gas Powered
Engine Type	161cc 4-cycle OHV
Material	16-Gauge Steel
Color	Red
Cutting Width	22 Inches
Trimmer Line Diameter	0.155 Inches (Heavy-Duty)
Wheel Size	14 Inches
Adjustable Cutting Height	1.90" - 3.90"
Operation Mode	Manual (Walk Behind)
Item Weight	56 Pounds
Product Dimensions (DxWxH)	38.9"D x 22"W x 50"H

Feature	Detail
UPC	840432701645
Manufacturer	Amerisun Inc.

## WARRANTY AND SUPPORT

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### Limited Warranty

Your PowerSmart Gas Walk Behind String Trimmer (Model DB6222) comes with a **2-year limited warranty**. This warranty covers defects in material and workmanship under normal use and service.

For detailed warranty terms and conditions, please refer to the warranty card included with your product or contact PowerSmart customer service.

### Customer Support

PowerSmart is committed to providing reliable products and dependable service. If you encounter any issues with your product, require replacement parts, or need assistance, please contact PowerSmart customer support.

PowerSmart, founded by Amerisun Inc., is headquartered in Itasca, Illinois, and specializes in small engine equipment. They maintain over 500 certified repair centers across the U.S. and provide full replacement parts through their IL headquarters.

For support, please refer to the contact information provided in your product packaging or visit the official PowerSmart website.

