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› PowerSmart 21-Inch Gas Powered Lawn Mower User Manual

PowerSmart B8721C

PowerSmart 21-Inch Gas Powered Lawn Mower User Manual

Model: B8721C

IMPORTANT SAFETY INFORMATION

Read and understand all safety warnings and instructions before operating this lawn mower. Failure to follow the warnings and instructions may result in serious injury.

- Always wear appropriate personal protective equipment, including eye protection, hearing protection, and sturdy footwear.
- Keep hands and feet away from rotating parts. The blade continues to rotate for a short period after the engine is shut off.
- Do not operate the mower in wet grass or rain.
- Clear the area of objects such as rocks, toys, or wires that could be thrown by the blade.
- Never allow children or untrained persons to operate the lawn mower.
- Refuel in a well-ventilated area with the engine off and cool. Do not smoke while refueling.
- Before performing any maintenance or clearing blockages, ensure the engine is off and the spark plug wire is disconnected.

PRODUCT OVERVIEW

The PowerSmart B8721C is a 21-inch gas-powered push lawn mower designed for efficient lawn maintenance. It features a Briggs & Stratton E300 125cc engine and offers 2-in-1 mulching and side discharge capabilities.



Image: The PowerSmart B8721C lawn mower, showcasing its red deck, black engine, and handle assembly, with a bottle of motor oil.

Key Features:

- **Briggs & Stratton E300 125cc Engine:** Features a Prime & Pull easy start system for reliable ignition.
- **21-Inch All-Steel Deck:** Provides durability for long-term use.
- **2-in-1 Cutting Options:** Supports both mulching and side discharge for versatile lawn care.
- **6-Position Height Adjustment:** Allows for easy customization of cutting height.
- **Foldable Design:** Enables compact storage, saving up to 70% space.
- **Lightweight:** Weighs approximately 48 lbs for easy maneuverability.



Image: A detailed diagram highlighting key components of the PowerSmart lawn mower, including the engine start/stop control, 125cc 4-stroke engine, 2-in-1 cutting deck, recoil start, side discharge, and 6-position height adjustment.

SETUP AND ASSEMBLY

The PowerSmart B8721C lawn mower is designed for quick and tool-free assembly. Follow these steps to prepare your mower for first use.

1. **Unfold the Handle:** Carefully unfold the handle assembly from its folded storage position. Ensure all locking mechanisms click into place securely.
2. **Attach the Side Discharge Chute (if applicable):** If using the side discharge option, attach the chute to the designated opening on the side of the mower deck.
3. **Add Engine Oil:** Locate the oil fill cap on the engine. Using the provided oil or recommended 10W-30 oil, carefully pour the oil into the engine until it reaches the 'Full' mark on the dipstick. Do not overfill.
4. **Add Fuel:** Fill the fuel tank with fresh, unleaded gasoline. Do not use E85 or other high-ethanol fuels. Ensure the fuel cap is securely tightened after filling.



Image: A side view of the PowerSmart lawn mower, illustrating its compact design with the handle folded, emphasizing ease of storage.

OPERATING INSTRUCTIONS

Starting the Engine:

1. Ensure the spark plug wire is securely connected.
2. Press the primer bulb 3-5 times (or as indicated by the engine manufacturer's instructions) until fuel is visible in the bulb.
3. Grip the engine start/stop control bar firmly against the handle.
4. Pull the recoil start cord with a smooth, continuous motion until the engine starts.

Adjusting Cutting Height:

The mower features a 6-position height adjustment system.



ADJUSTABLE HEIGHT

Image: A close-up view of the lawn mower's wheel and the red lever used for adjusting the cutting height.

- To adjust the cutting height, locate the height adjustment levers on each wheel.
- Pull the lever outwards and move it to the desired position. Ensure all wheels are set to the same height for an even cut.
- The cutting height can be adjusted from 1.5 inches to 3.9 inches.

Mowing Techniques:

- For best results, mow when the grass is dry.
- Do not attempt to cut more than one-third of the grass blade length at a time.
- Overlap cutting paths slightly to ensure complete coverage.
- When mulching, ensure the mulching plug is installed. For side discharge, attach the side discharge chute.



2-IN-1 MULCH & DISCHARGE

Image: An overhead view of the lawn mower, illustrating its 2-in-1 mulching and side discharge capabilities with the side discharge chute attached.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your PowerSmart lawn mower. Always disconnect the spark plug wire before performing any maintenance.

After Each Use:

- Clean the underside of the mower deck to remove grass clippings and debris.
- Inspect the blade for sharpness and damage. Sharpen or replace as needed.
- Check for loose fasteners and tighten if necessary.

Engine Maintenance:

- **Oil Change:** Change the engine oil after the first 5 hours of use, then every 25 hours or annually, whichever comes first. Refer to the engine manual for specific instructions.

- **Air Filter:** Clean or replace the air filter regularly, especially in dusty conditions.
- **Spark Plug:** Inspect and clean the spark plug annually. Replace if worn or fouled.

KEEP IT RUNNING

B8721C



FOLDABLE HANDLE BLACK
#203051098



BRAKE CABLE
#302080088



SIDE DISCHARGE CHUTE
#203050382A



CABLE CLIP
#203021622



10 INCH REAR WHEEL
R#203070207
L#203070204



8 INCH FRONT WHEEL
R#203070192
L#203070195



21 INCH BLADE
#303071037A



10W30 OIL



Image: A diagram showing various replacement parts for the PowerSmart B8721C lawn mower, including the foldable handle, brake cable, side discharge chute, cable clip, 10-inch rear wheel, 8-inch front wheel, 21-inch blade, and 10W30 oil.

TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your lawn mower.

Problem	Possible Cause	Solution
Engine will not start	No fuel; Stale fuel; Spark plug loose or fouled; Engine start/stop control not engaged; Primer not used.	Add fresh fuel; Drain and refill with fresh fuel; Check/clean/replace spark plug; Engage control bar; Press primer bulb.
Engine runs rough	Dirty air filter; Stale fuel; Fouled spark plug.	Clean/replace air filter; Drain and refill with fresh fuel; Clean/replace spark plug.

Problem	Possible Cause	Solution
Mower not cutting evenly	Dull blade; Uneven wheel height adjustment.	Sharpen or replace blade; Ensure all wheels are set to the same height.
Excessive vibration	Bent or unbalanced blade; Loose blade bolt.	Inspect and replace blade if bent; Tighten blade bolt.

SPECIFICATIONS

Feature	Detail
Brand	PowerSmart
Model Number	B8721C
Engine	Briggs & Stratton E300 125cc 4-cycle OHV
Cutting Width	21 Inches
Cutting Height Adjustment	6-position, Dual-lever (1.5 to 3.9 Inches)
Deck Material	All-Steel
Cutting Options	2-in-1 (Mulch, Side Discharge)
Item Weight	59 Pounds
Product Dimensions	58"D x 22"W x 48"H
UPC	840432700662

WARRANTY AND SUPPORT

PowerSmart is committed to providing reliable products and dependable service. For warranty information, replacement parts, or technical assistance, please contact PowerSmart customer support.

PowerSmart has over 500 certified repair centers in the U.S. and provides full replacement parts through its IL headquarters. For customer support, you may visit the [PowerSmart Store on Amazon](#) or refer to the contact information provided in your product packaging.

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