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> [PowerSmart 24-Inch Self-Propelled Two-Stage Gas Snow Blower \(Model HB7109A\) - Instruction Manual](#)

PowerSmart HB7109A

PowerSmart 24-Inch Self-Propelled Two-Stage Gas Snow Blower

Model: HB7109A | Brand: PowerSmart

1. SAFETY INFORMATION

Always prioritize safety when operating this snow blower. Read and understand all instructions before use.

- **Avoid Injury:** Keep hands, feet, and clothing away from rotating parts.
- **Carbon Monoxide:** Operate the engine in a well-ventilated area to prevent carbon monoxide poisoning. Never operate indoors.
- **Protective Equipment:** Always wear appropriate personal protective equipment, including safety glasses or goggles and hearing protection. Wear sturdy footwear that provides good traction.
- **Clear Area:** Before starting, clear the area of any objects that could be thrown by the auger.
- **Fuel Handling:** Handle gasoline with extreme care. It is highly flammable. Store fuel in an approved container in a well-ventilated area away from ignition sources.

2. PRODUCT OVERVIEW & KEY FEATURES

The PowerSmart HB7109A is a robust two-stage gas snow blower designed for efficient snow removal in various conditions.



Overall view of the PowerSmart 24-Inch Self-Propelled Two-Stage Gas Snow Blower.

- **24-Inch Clearing Width with Two-Stage System:** Efficiently clears wide paths and handles heavy, wet snow with ease, ideal for large driveways and walkways.
- **Powerful 208cc Briggs & Stratton Engine:** Delivers reliable and robust performance for tackling tough winter conditions.
- **Self-Propelled with 13-Inch Snow Tires:** Provides superior traction and maneuverability on slippery surfaces, reducing user effort.
- **Electric Start and Handle Warmer:** Ensures quick, hassle-free ignition and keeps your hands warm during extended use in cold weather.
- **Built-In LED Lights:** Enhances visibility for early morning or late-night snow removal, ensuring safety and convenience.

Powerful Snow Blower



Fluffy



Heavy



Wet Snow
Type



24in
Clearing width

20in
Snow Depth

The snow blower is capable of clearing a 24-inch width and up to 20 inches of snow depth.

12" ALL-STEEL AUGERS



Close-up view of the durable 12-inch all-steel augers designed for effective snow breakdown.

3. SETUP & ASSEMBLY

Follow these steps to assemble your PowerSmart snow blower. Refer to the included videos for visual guidance.

3.1 Attaching the Upper Handle

Secure the upper handle to the main unit using the provided bolts and nuts. Ensure all connections are tight.

3.2 Connecting Speed Control Rods and Cables

Attach the speed control connection rod and route the upper auger and drive cables as per the diagram. Ensure proper tension for smooth operation.

3.3 Installing the Chute Assembly

Mount the chute assembly and attach the chute control handle. This allows you to adjust the snow discharge direction.

Your browser does not support the video tag.

Video: Detailed installation guide for the PowerSmart 24-Inch Gas Snow Blower, demonstrating step-by-step assembly.

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Video: Assembly process for the PowerSmart Snow Blower, highlighting ease of setup.

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Video: Review and assembly instructions for the PowerSmart Gas Snow Thrower.

4. OPERATING INSTRUCTIONS

Familiarize yourself with the controls and operating procedures before using the snow blower.

4.1 Starting the Engine

The snow blower features both electric start and recoil start options. Ensure the fuel tank is filled with fresh gasoline and the oil reservoir has the correct type and amount of oil.



Illustration of the two startup methods: electric start (plug-in) and manual recoil start.

4.2 Engaging Drive and Augers

Use the self-propelled drive system for easier maneuverability. Engage the auger control to begin clearing snow.



The self-propelled drive system provides assistance, reducing physical effort during operation.

4.3 Adjusting Snow Chute and Features

Adjust the 180-degree rotating chute to direct snow away from cleared areas. Utilize the built-in LED lights for visibility and the handle warmers for comfort in cold conditions.

LED Light



Handle Warmer



180° Chute Rotation



Key operational features: bright LED light for visibility, heated handles for comfort, and a chute that rotates 180 degrees for precise snow discharge.

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Video: Demonstrates the powerful snow clearing capabilities of the gas snow blower in heavy snow conditions.

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Video: Shows the PowerSmart 24-Inch Self-Propelled Gas Snow Blower in action, clearing snow effectively.

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Video: User testing and demonstration of the snow thrower's performance.

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Video: Test of the PowerSmart Gas Snow Blower, showcasing its operational capabilities.

5. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your snow blower.

KEEP IT RUNNING SEASON AFTER SEASON

SNOW BLOWER MAINTENANCE KEY

All parts available,
Contact with us for other parts

☎ 1-888-293-0024



ENGINE OIL
5W-30



Auger Drive Belt
302040079



Wheel Drive Belt
302040078



Shear Pins
303160355P



Key Switch
794696 798177



26" Shave Plate
303071443



Metal Skid Shoes
303070197P



Plastic Skid Shoes
203050681



Tires
302090220



Heated Hand Grips
203070005



Plastic Chute
203050514



Spark Plug
691043



Clean Out Tool
203050057

Diagram showing essential maintenance parts including engine oil, auger drive belt, wheel drive belt, shear pins, key switch, shave plate, skid shoes, tires, heated hand grips, plastic chute, spark plug, and clean out tool.

- **Engine Oil:** Check oil level before each use. Use 5W-30 engine oil.
- **Fuel:** Use fresh, clean gasoline. Avoid old or contaminated fuel.
- **Spark Plug:** Inspect and clean or replace the spark plug as needed for reliable starting.
- **Belts:** Regularly inspect the auger drive belt and wheel drive belt for wear and tear. Replace if damaged.
- **Shear Pins:** Keep spare shear pins on hand. These are designed to break to protect the auger and gearbox from damage if an object is struck.
- **Skid Shoes:** Adjust or replace skid shoes to maintain proper clearing height and protect the auger housing.
- **Clean Out Tool:** Use the provided clean out tool to remove clogs from the discharge chute. Never use hands.

6. TROUBLESHOOTING

If you encounter issues with your snow blower, refer to the following common troubleshooting tips:

- **Engine Not Starting:**

- Check fuel level and ensure it's fresh.
 - Verify oil level.
 - Ensure the spark plug is clean and properly connected.
 - Confirm choke and primer settings are correct for starting.
 - Check the on/off switch is in the 'ON' position.
- **Engine Runs Poorly or Stalls:**
 - Check for stale fuel; drain and refill if necessary.
 - Inspect the air filter for clogs.
 - Ensure the spark plug is clean and gapped correctly.
- **Snow Blower Not Clearing Effectively:**
 - Check for clogged discharge chute (use clean out tool).
 - Inspect auger and impeller for obstructions or damage.
 - Verify shear pins are intact.
 - Adjust skid shoes for appropriate clearing height.
- **Fuel Leakage:**
 - Inspect fuel lines and connections for damage.
 - If leakage is from the carburetor, it may require adjustment or repair by a qualified technician.

7. SPECIFICATIONS

Brand	PowerSmart
Model Number	HB7109A
Power Source	Gas Powered
Engine Type	4 Cycle
Engine Displacement	208 Cubic Centimeters
Clearing Width	24 Inches
Ideal Snow Depth	12 Inches
Wheel Size	13 Inches
Item Weight	150.7 pounds
Product Dimensions	32.3"D x 23.6"W x 24.78"H

8. WARRANTY AND SUPPORT

For warranty information, technical support, or to order replacement parts, please contact PowerSmart customer support.

- **Customer Support:** Refer to your product packaging or the official PowerSmart website for the most current contact information.
- **Parts Availability:** All parts are available. Contact customer service for specific part inquiries.
- **Phone Support:** 1-888-293-0024 (as indicated on maintenance key image).