

PowerSmart DB7006B

PowerSmart 21 in. Single Stage Gas Snow Blower

USER MANUAL

Model: DB7006B | Brand: PowerSmart

1. Introduction and Overview

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your PowerSmart 21 in. Single Stage Gas Snow Blower. Please read this manual thoroughly before operating the machine to ensure proper use and to prevent injury or damage.

Your PowerSmart snow blower is designed for powerful performance, featuring a 212cc 4-cycle OHV engine capable of clearing snow up to 8 inches deep and throwing it up to 35 feet away. Its compact size and foldable handle allow for easy storage and transport.



Figure 1: PowerSmart 21 in. Single Stage Gas Snow Blower.

2. Safety Information

Operating this snow blower requires adherence to strict safety guidelines to prevent accidents and ensure user safety. Always prioritize safety during operation, maintenance, and storage.

- Use caution when operating the snow blower. Keep hands and feet away from moving parts.
- Do not operate on inclines greater than 15 degrees.
- Always wear appropriate clothing and eye protection.
- Refer to this user manual for detailed safety instructions before each use.
- Ensure the area to be cleared is free of debris that could be thrown by the auger.
- Never leave the snow blower unattended while running.

3. Setup and Assembly

Your snow blower comes partially assembled. Follow these steps to prepare it for operation:

1. **Unpacking:** Carefully remove the snow blower and all components from the packaging.
2. **Handle Assembly:** Unfold the handle and secure it in the operating position using the provided knobs or bolts. Ensure all connections are tight.
3. **Chute Assembly:** Attach the discharge chute and its control mechanism according to the diagrams in the manual. Ensure it rotates freely.
4. **Add Engine Oil:** Fill the engine with the recommended 5W-30 engine oil. Refer to the engine's oil fill cap or dipstick for the correct level.
5. **Add Fuel:** Fill the fuel tank with fresh, unleaded gasoline. Do not overfill.
6. **Pre-Operation Check:** Before starting, inspect all parts for damage, ensure all fasteners are secure, and check fluid levels.

KEEP IT RUNNING

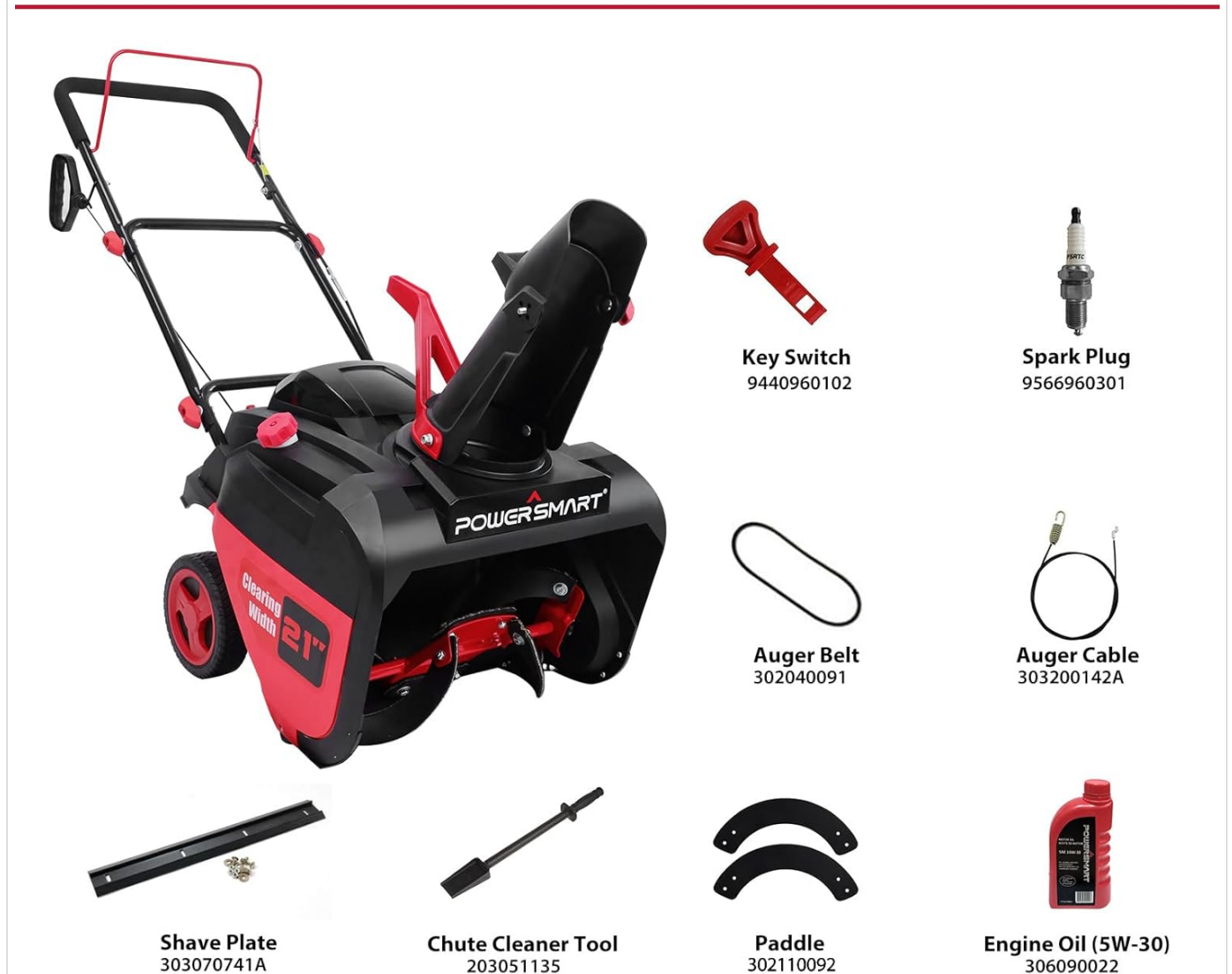


Figure 2: Snow Blower dimensions for storage and transport.

4. Operating Instructions

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

Starting the Engine:

1. Ensure the key switch is inserted and in the "ON" position.
2. Set the choke lever to the "FULL CHOKE" position.
3. Press the primer bulb 3-5 times (or as recommended for cold starts).
4. Pull the recoil start handle firmly until the engine starts.
5. Once the engine starts, gradually move the choke lever to the "RUN" position as the engine warms up.

Snow Clearing:

- The snow blower has a 21-inch clearing path and is ideal for fluffy, light snow on pavement surfaces.
- Push the snow blower forward into the snow. The 9-inch rubber auger will efficiently pick up and discharge snow.
- Use the grip handle to easily rotate the chute 180 degrees from left-to-right to direct the snow where desired.
- For optimal performance, clear snow in overlapping passes.
- Avoid operating the unit on excessively deep or heavy snow that exceeds its 8-inch ideal snow depth capacity.



Figure 3: Clearing capabilities of the snow blower.

5. Maintenance

Regular maintenance ensures the longevity and optimal performance of your snow blower. Always turn off the engine and remove the key before performing any maintenance.



Figure 4: Key maintenance parts for your snow blower.

- **Engine Oil:** Check engine oil level before each use and change according to the engine manufacturer's recommendations (typically after the first 5 hours, then every 25-50 hours of operation). Use 5W-30 oil.
- **Spark Plug:** Inspect the spark plug (part #9566960301) annually or every 50 hours. Clean or replace as needed to ensure easy starting.
- **Auger Belt:** Inspect the auger belt (part #302040091) for wear or damage. Replace if cracked, frayed, or stretched.
- **Auger Cable:** Check the auger cable (part #303200142A) for proper tension and wear. Adjust or replace if necessary.

- **Shave Plate & Paddles:** Inspect the shave plate (part #303070741A) and paddles (part #302110092) for wear. Replace if worn down to maintain effective snow clearing.
- **Chute Cleaner Tool:** Use the chute cleaner tool (part #203051135) to clear any clogs in the discharge chute. Never use your hands.
- **Storage:** For long-term storage, drain the fuel tank or use a fuel stabilizer. Clean the unit thoroughly and store in a dry, protected area.

6. Troubleshooting

This section addresses common issues you might encounter with your snow blower.

Problem	Possible Cause	Solution
Engine will not start	No fuel, stale fuel, spark plug issue, choke not set correctly.	Check fuel level and freshness. Inspect and clean/replace spark plug. Ensure choke is in "FULL CHOKE" for starting.
Snow blower not clearing effectively	Worn shave plate or paddles, clogged chute, auger belt slipping.	Inspect and replace worn shave plate or paddles. Clear chute with tool. Check auger belt tension and condition.
Unit hard to push	Operating on uneven surface, excessive snow depth, front housing dragging.	Ensure operating on appropriate surfaces. Clear snow in smaller passes if very deep. Slightly tilt the unit back if the front housing is dragging on dry pavement.
Engine runs rough or stalls	Dirty air filter, stale fuel, carburetor issue.	Clean or replace air filter. Use fresh fuel. Consult a qualified service technician if carburetor issues persist.

7. Specifications

Specification	Value
Brand	PowerSmart
Model Number	DB7006B
Power Source	Gas Powered
Engine Type	4 Cycle OHV
Engine Displacement	212 Cubic Centimeters
Clearing Width	21 Inches
Ideal Snow Depth	8 Inches
Maximum Throw Distance	35 Feet
Item Weight	68 Pounds
Product Dimensions (D x W x H)	48" x 20.8" x 36.6"
Color	Black
Manufacturer	Amerisun Inc.

8. Warranty and Support

PowerSmart is committed to providing reliable products and dependable service. In the event your product requires repair or replacement parts, PowerSmart has over 500 certified repair centers across the U.S. Full replacement parts are also available through our IL headquarters.





For any issues or support inquiries, please contact PowerSmart customer service. Keep your model number (DB7006B) and purchase information readily available when contacting support.



For more information, visit the official PowerSmart store:[PowerSmart Store on Amazon](#).



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Related Documents - DB7006B

	<p>PowerSmart PSSAM24 24-Inch 2-Stage Gas Snow Thrower Instruction Manual</p> <p>Comprehensive instruction manual for the PowerSmart PSSAM24 24-inch 2-stage gas snow thrower, covering safety, operation, maintenance, troubleshooting, and warranty information.</p>
	<p>PowerSmart 24-Inch 2-Stage Snow Blower Quick Start Guide</p> <p>A concise guide to assembling and preparing your PowerSmart 24-inch 2-stage snow blower with electric start. Includes step-by-step instructions and important operational notes.</p>
	<p>PowerSmart DB7006B 21-Inch Single Stage Gas Snow Thrower Instruction Manual</p> <p>This official instruction manual provides comprehensive guidance for the PowerSmart DB7006B, a 21-inch single-stage gas snow thrower, covering safe operation, preparation, maintenance, and troubleshooting.</p>
	<p>PowerSmart 24/26 Inch Two Stage Gas Snow Thrower Instruction Manual</p> <p>Comprehensive instruction manual for PowerSmart 24/26 inch Two Stage Gas Snow Throwers (models PSSAM24BS, PSS2260BS), covering safe operation, preparation, maintenance, and troubleshooting.</p>

	<p>PowerSmart DB7622H 22-inch Two Stage Gas Snow Thrower Instruction Manual</p> <p>Comprehensive instruction manual for the PowerSmart DB7622H 22-inch Two Stage Gas Snow Thrower, covering safety, operation, maintenance, and troubleshooting.</p>
	<p>PowerSmart PSS1210M 21-inch Single Stage Gas Snow Thrower Instruction Manual</p> <p>Comprehensive instruction manual for the PowerSmart PSS1210M 21-inch Single Stage Gas Snow Thrower, covering safe operation, maintenance, assembly, and troubleshooting procedures.</p>

Documents - PowerSmart – DB7006B



[PowerSmart DB7006B 21-inch Single Stage Gas Snow Thrower Instruction Manual](#)

This official instruction manual provides comprehensive guidance for the PowerSmart DB7006B, a 21-inch single-stage gas snow thrower, covering safe operation, preparation, maintenance, and troubleshooting.

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