

PowerSmart PSSW21

PowerSmart PSSW21 212CC Single-Stage Gas Snow Blower Instruction Manual

Model: PSSW21

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, assembly, maintenance, and troubleshooting of your PowerSmart PSSW21 212CC Single-Stage Gas Snow Blower. Please read and understand all instructions before using the equipment.

The PowerSmart PSSW21 is designed for clearing snow from mid-sized driveways and walkways. It features a 212CC gasoline engine, a 21-inch clearing width, and a 12.5-inch clearing height.

2. SAFETY INFORMATION

Always prioritize safety when operating the snow blower. Failure to follow safety instructions can result in serious injury or property damage.

General Safety Rules:

- Read the entire manual before operation.
- Wear appropriate personal protective equipment (PPE), including eye protection, hearing protection, and sturdy footwear.
- Keep children and pets away from the operating area.
- Never operate the snow blower under the influence of alcohol or drugs.
- Inspect the area to be cleared for objects that could be thrown by the auger.
- Do not direct discharge towards people, animals, or property.
- Ensure all guards and safety devices are in place and functioning correctly.
- The safety features prevent accidental start-ups and quickly stop the spinning auger and impeller when the user releases the auger trigger. Do not bypass these features.

3. ASSEMBLY AND SETUP

The PowerSmart PSSW21 snow blower is designed for easy assembly. Follow these general steps:

1. **Unpacking:** Carefully remove all components from the packaging. Verify all parts are present according to the packing list.
2. **Handlebar Assembly:** Attach the handlebar assembly to the main unit using the provided hardware. Ensure all bolts are securely tightened.
3. **Chute Assembly:** Install the discharge chute and its rotation mechanism. Confirm that the chute rotates freely and locks into position.
4. **Fluid Checks:** Before first use, check the engine oil level. Refer to the engine manual for specific oil type and capacity.
5. **Fueling:** Fill the fuel tank with fresh, unleaded gasoline. Do not overfill. Always refuel in a well-ventilated area with the engine off and cool.



Figure 3.1: Labeled components of the PowerSmart PSSW21 snow blower. This image highlights key parts such as the discharge chute, control handles, oil dipstick, and wheel, indicating their positions on the machine.

4. OPERATING INSTRUCTIONS

Starting the Engine:

1. Ensure the fuel valve is open.
2. Set the choke lever to the 'CHOKE' position.
3. Move the throttle lever to the 'FAST' position.
4. Pull the starter rope firmly until the engine starts.
5. Once the engine starts, gradually move the choke lever to the 'RUN' position.

Operating the Snow Blower:

- Engage the auger control bar to begin clearing snow. Releasing this bar will stop the auger for safety.
- The snow blower has a 21-inch clearing width and can handle snow up to 12.5 inches deep.
- Adjust the discharge chute using the chute rotation handle to direct snow up to 40 feet away. The chute can be rotated 180 degrees.
- Push the snow blower at a comfortable pace, allowing the auger to clear the snow effectively.



Figure 4.1: The PowerSmart PSSW21 in operation, demonstrating its 12.5-inch clearing depth and 21-inch clearing width. This image illustrates the machine's capacity for snow removal.



Figure 4.2: The adjustable discharge chute of the PowerSmart PSSW21, showing its 180-degree rotation feature. This allows the operator to easily control the direction of snow discharge.

Stopping the Engine:

1. Release the auger control bar.
2. Move the throttle lever to the 'STOP' or 'OFF' position.
3. Turn the fuel valve to the 'OFF' position.

5. MAINTENANCE

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

After Each Use:

- Clean snow and debris from the auger housing and discharge chute.
- Inspect the auger for wear or damage.
- Check for loose fasteners and tighten as necessary.

Seasonal Maintenance:

- **Engine Oil:** Check and change engine oil according to the engine manufacturer's recommendations.
- **Spark Plug:** Inspect and clean or replace the spark plug.
- **Fuel System:** Drain fuel or add a fuel stabilizer for storage.
- **Auger Belt:** Inspect the auger belt for wear and tension. Replace if necessary.

Storage:

The PowerSmart PSSW21 is compact and foldable, saving space in your garage. Before storing for extended periods:

- Clean the entire unit thoroughly.
- Perform all seasonal maintenance tasks.
- Store in a dry, protected area away from direct sunlight and extreme temperatures.

6. TROUBLESHOOTING

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

Engine Does Not Start:

- **No Fuel:** Check fuel level and ensure the fuel valve is open.
- **Choke Setting:** Ensure the choke is set correctly for starting.
- **Spark Plug:** Inspect the spark plug for fouling or damage. Clean or replace if necessary.
- **Old Fuel:** Use fresh gasoline. Stale fuel can cause starting issues.

Snow Not Clearing Effectively:

- **Auger Speed:** Ensure the engine is running at full throttle.
- **Auger Obstruction:** Turn off the engine and clear any snow or ice buildup from the auger housing and discharge chute.
- **Auger Wear:** Inspect the rubber auger paddles for excessive wear. Worn paddles reduce clearing efficiency.

Engine Loses Power:

- **Fuel Filter:** Check for a clogged fuel filter.
- **Air Filter:** Clean or replace the air filter if it is dirty.
- **Overload:** Reduce the amount of snow being cleared at one time.

For issues not covered here, please contact customer support.

7. SPECIFICATIONS

Feature	Specification
Brand	PowerSmart
Model	PSSW21

Feature	Specification
Power Source	Gasoline-Powered
Engine Type	4 Cycle
Engine Displacement	212 Cubic Centimeters
Clearing Width	21 Inches
Clearing Height	12.5 Inches
Product Dimensions (L x W x H)	27 x 23 x 21 inches
Item Weight	73 Pounds
UPC	650076363044
Manufacturer	Amerisun Inc.

8. WARRANTY AND SUPPORT



PowerSmart products are manufactured to high-quality standards. For specific warranty details, please refer to the warranty card included with your product or visit the official PowerSmart website.





Customer Support:

If you require assistance, have questions, or need to report an issue, please contact PowerSmart customer support. You can often find contact information on the manufacturer's website or through your purchase retailer.

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

Related Documents - PSSW21

	<p>PowerSmart 21-inch Single Stage Gas Snow Thrower Instruction Manual</p> <p>Comprehensive instruction manual for the PowerSmart 21-inch Single Stage Gas Snow Thrower (Models PSS1210M, DB7006, PSSW21). Covers safety, preparation, operation, maintenance, troubleshooting, and parts lists.</p>
	<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 DB7109B 26-inch Two-Stage Gas Snow Thrower Instruction Manual</p> <p>Get essential operating and maintenance guidance for the PowerSmart DB7109B 26-inch two-stage gas snow thrower. This manual covers setup, safety, troubleshooting, and more.</p>
	<p>PowerSmart 26-Inch 2-Stage Gas Snow Thrower: Operation & Maintenance Manual</p> <p>This instruction manual provides comprehensive guidance on the safe operation, maintenance, and troubleshooting of the PowerSmart 26-inch two-stage gas snow thrower, featuring a 212cc engine and electric start.</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>