

RIV-Sep33232

Generic Carburetor Instruction Manual for PowerSmart DB7659H / DB7659H-22 Snow Throwers

Model: RIV-Sep33232

1. PRODUCT OVERVIEW

This manual provides instructions for the installation, operation, and maintenance of the Generic Carburetor, Model RIV-Sep33232. This carburetor is designed as a replacement part for 212cc PowerSmart DB7659H and DB7659H-22 Snow Throwers.

A carburetor is a device that blends air and fuel for an internal combustion engine. It is crucial for the engine's proper functioning, ensuring the correct air-fuel mixture for combustion.

1.1 Package Contents

The package typically includes the carburetor assembly and various accessories necessary for installation and maintenance. Please verify all components are present before beginning installation.



Image 1.1: The carburetor assembly, including the main unit, two gaskets, a fuel line, and two clamps. This image shows the complete kit for replacement.

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Video 1.1: A detailed view of the carburetor and its components, demonstrating the movement of the choke and throttle plates. This video provides a visual inspection of the product's features.

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Video 1.2: An overview of the carburetor kit, including the carburetor, fuel line, clamps, spark plug, fuel filter, and gaskets. This video highlights all included parts for a comprehensive replacement.

2. SETUP AND INSTALLATION

Proper installation is critical for the safe and efficient operation of your snow thrower. If you are unsure about any step, consult a qualified service technician.

- 1. Safety First:** Before starting any work, ensure the snow thrower engine is off and cool. Disconnect the spark plug wire to prevent accidental starting. Drain the fuel tank.
- 2. Access the Carburetor:** Locate the existing carburetor on your PowerSmart DB7659H or DB7659H-22 snow thrower. This typically involves removing the air filter housing and any shrouds covering the engine.
- 3. Disconnect Components:** Carefully disconnect the fuel line, throttle linkage, and choke linkage from the old carburetor. Note their positions for reassembly.
- 4. Remove Old Carburetor:** Unbolt the old carburetor from the engine. Be mindful of any gaskets between the carburetor and the engine block/intake manifold.
- 5. Prepare New Carburetor:** Inspect the new carburetor (Model RIV-Sep33232) for any damage. Ensure all linkages move freely.

6. **Install Gaskets:** Place new gaskets (included in the kit) in their correct positions between the engine, carburetor, and air filter housing. These are crucial for a proper seal.
7. **Mount New Carburetor:** Attach the new carburetor to the engine using the original bolts. Tighten securely but do not overtighten.
8. **Reconnect Linkages:** Reattach the throttle and choke linkages to the new carburetor. Ensure they operate smoothly without binding.
9. **Connect Fuel Line:** Attach the new fuel line (if replacing) to the carburetor's fuel inlet and secure it with the provided clamps. Install the new fuel filter if included and replacing.
10. **Replace Spark Plug (Optional but Recommended):** If a new spark plug is included, replace the old one. Ensure it is properly gapped according to your snow thrower's engine specifications.
11. **Reassemble:** Reinstall the air filter housing and any engine shrouds removed earlier.
12. **Refuel and Test:** Refill the fuel tank with fresh, appropriate fuel. Reconnect the spark plug wire. Start the snow thrower and check for proper operation, including smooth idling and acceleration. Inspect for any fuel leaks.

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Video 2.1: This video demonstrates the installation process of a carburetor on a snow thrower, showing the steps involved in replacing the old unit with a new one. It provides a visual guide for the setup process.

3. OPERATING INSTRUCTIONS

Once the carburetor is installed, the snow thrower should operate as per its original manufacturer's instructions. The carburetor's primary function is to mix fuel and air, which is an automatic process once the engine is running.

- **Choke Operation:** For cold starts, engage the choke to enrich the fuel mixture. Once the engine starts and runs smoothly, gradually disengage the choke.
- **Throttle Control:** The throttle lever controls engine speed. Adjust it to the desired operating speed for snow clearing.
- **Fuel Shut-off Valve:** If your snow thrower has a fuel shut-off valve (often included in replacement kits), turn it to the "OFF" position when storing the machine for extended periods to prevent fuel degradation in the carburetor.

4. MAINTENANCE

Regular maintenance of your carburetor ensures optimal engine performance and longevity. Always refer to your snow thrower's engine manual for specific maintenance schedules.

- **Fuel System Cleanliness:** Use fresh, clean fuel. Stale or contaminated fuel is a common cause of carburetor issues. Consider using a fuel stabilizer, especially during off-season storage.
- **Fuel Filter Replacement:** Regularly inspect and replace the fuel filter (if applicable) to prevent

debris from reaching the carburetor.

- **Carburetor Cleaning:** If the engine runs poorly, the carburetor may need cleaning. This involves disassembling the carburetor, cleaning jets and passages with carburetor cleaner, and replacing any worn gaskets. This is an advanced task and may require professional assistance.
- **Air Filter Inspection:** Ensure the air filter is clean and unobstructed. A dirty air filter can restrict airflow and affect the air-fuel mixture.

5. TROUBLESHOOTING

If your snow thrower experiences issues after carburetor replacement, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Engine will not start	No fuel, clogged fuel filter, incorrect choke setting, fouled spark plug, fuel line kinked.	Check fuel level, replace fuel filter, adjust choke, replace spark plug, inspect fuel line.
Engine runs rough or stalls	Dirty carburetor jets, old fuel, air leak around carburetor gaskets, improper idle adjustment.	Clean carburetor, use fresh fuel, replace gaskets, adjust idle screw.
Fuel leaks	Loose fuel line connections, damaged fuel line, faulty carburetor bowl gasket, stuck float.	Tighten connections, replace fuel line, replace bowl gasket, clean/inspect float assembly.
Engine lacks power	Clogged air filter, dirty carburetor, incorrect fuel mixture.	Clean/replace air filter, clean carburetor, ensure proper fuel type.

For persistent issues, it is recommended to consult a professional small engine mechanic.

6. SPECIFICATIONS

- **Product Type:** Carburetor
- **Brand:** Generic
- **Model Number:** RIV-Sep33232
- **Compatibility:** PowerSmart DB7659H, PowerSmart DB7659H-22 Snow Throwers (212cc engines)
- **Manufacturer:** BMotorParts
- **Exterior Finish:** Polished

7. WARRANTY AND SUPPORT

For warranty information or technical support regarding this Generic carburetor, please refer to the documentation provided with your purchase or contact the seller directly. Keep your purchase receipt as proof of purchase.

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