

TRD-RST-9385

# Generic Carburetor Instruction Manual

Model: TRD-RST-9385

## 1. PRODUCT OVERVIEW

This replacement carburetor is designed to restore optimal fuel delivery and engine performance for compatible snow blowers. It is engineered to meet OEM-style specifications, ensuring reliable operation under various conditions.

- Reliable OEM-Style Performance:** Precision-machined to match factory tolerances for consistent operation.
- Tested for Tough Conditions:** Designed to withstand mud, dust, water, and extreme temperatures.
- Cost-Effective Replacement:** Provides OEM-level quality as an economical alternative.
- Enhanced Materials & Finish:** Built with upgraded alloys, seals, or coatings for improved durability and corrosion resistance.



Figure 1: Front view of the Generic replacement carburetor.

The carburetor is a critical component of your engine's fuel system, mixing air and fuel in the correct ratio for combustion. Proper function is essential for engine starting, idling, and power output.

## 2. COMPATIBILITY

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This carburetor is compatible with a wide range of snow blowers and power equipment. Verify your equipment's model and part number against the list below to ensure proper fitment.

## Known Compatible Models and Part Numbers:

- MTD Yard Machines 8526 Gold 8.5HP (Model 31AE6C0F300)
- Ariens Models: 921002, 921003, 924086, 924311, 924318, 924020, 924026, 920001, 932039, 932042, 932102, 932103, 932310, 932015, 924321, 924092, 924050, 924082, 932101, ST1028, ST 2+2 (932015), 624E, 520 624, 1027LE, 1130DLE
- John Deere Part Numbers: AM38161, AM100941, AM108412, AM100246, AM108405
- Oregon Part Numbers: 50-642 (50642), 50-659 (50659)
- Tecumseh Part Numbers: 632334A, 632111, 640349, 640052, 640054, 632110, 632334, 632370, 632536, 640105, 632370A, 632117
- Toro Part Numbers: 38066, 38053, 38078, 38086, 38543, 38641, 38642, 38645, 38630, 38631, 38632, 38620, 38621, 38622
- Stens Part Number: 520-926 (520926)
- Fitment Models: 31BS644E129, 315-641E118, 31AE6A4E129 (8hp), 315E640F000 (8hp Blower), 317E640F352 Storm 9528, 31AH6KQ4711 (28"), 31AE6GQ3711 (8.5HP 26"), 42010, Sears 143-029003, Pro Chaser PC144052, 317E662G013, 315e640f352 (26" 8hp), 317E640F000 (26" 8hp Throwing), Jacobsen Imperial 826, 247.88790, 31AE5HTG799 Snowthrower, 536.886260 (9hp 26"), 31AS6FEE729 (8 HP), 31AE665E118, White Outdoor SB-950 ST 316E756G190, Snow Boss 31AS6GN3711 Storm 8.5HP 26" Self-Propelled, Simplicity 860SE (1691900), Murray Ultra 5hp 22" (622505X31A), Murray 627804X6B, 627804X79B, 627904X89B, 247.88190.0, 31AS6HEG799, 536.884900 (9hp Assembly), Ariens ST824, Ariens ST1236E, Sears 143-029003, 536.886350 (30 inch 11 Hp), 536-881110.

## 3. SAFETY INFORMATION

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Always prioritize safety when working with power equipment and fuel systems. Failure to follow these safety guidelines can result in serious injury or property damage.

- **Disconnect Power:** Before beginning any work, ensure the engine is off and the spark plug wire is disconnected to prevent accidental starting.
- **Fuel Handling:** Work in a well-ventilated area. Fuel is highly flammable. Avoid open flames, sparks, or smoking. Use an approved container for draining and storing fuel.
- **Eye Protection:** Always wear safety glasses or goggles to protect your eyes from fuel, debris, or tools.
- **Gloves:** Wear appropriate gloves to protect your hands from fuel, oil, and sharp edges.
- **Engine Hot:** Allow the engine to cool completely before working on it to avoid burns.
- **Read Equipment Manual:** Refer to your snow blower's original instruction manual for specific safety procedures and component locations.

## 4. SETUP AND INSTALLATION

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The following steps provide a general guide for carburetor replacement. Specific procedures may vary depending on your snow blower model. Always consult your equipment's service manual for detailed instructions.

### 1. Preparation:

- Ensure the engine is cool and the spark plug wire is disconnected.
- Turn off the fuel supply valve (if equipped) and drain the fuel tank into an approved container.
- Remove any engine covers or air filter assemblies that obstruct access to the carburetor.

### 2. Remove Old Carburetor:

- Carefully disconnect all fuel lines, throttle linkages, and choke linkages from the old carburetor. Note their

positions for reinstallation.

- Unbolt the carburetor from the engine manifold. Be mindful of gaskets; they may need replacement.

### **3. Install New Carburetor:**

- Ensure mating surfaces are clean. Install new gaskets (if required) between the carburetor and the engine manifold.
- Mount the new carburetor, tightening bolts evenly to prevent warping.
- Reconnect all fuel lines, throttle linkages, and choke linkages to their correct positions. Double-check connections for security.

### **4. Final Steps:**

- Refill the fuel tank with fresh, appropriate fuel.
- Reconnect the spark plug wire.
- Perform a test start and check for fuel leaks or abnormal engine operation.



Figure 2: Side view of the carburetor, showing potential linkage attachment points.

## 5. OPERATING CONSIDERATIONS

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After carburetor replacement, proper operating procedures are crucial for optimal engine performance.

- **Fuel Quality:** Always use fresh, clean fuel of the recommended octane for your engine. Stale fuel can cause carburetor issues.
- **Choke Usage:** Use the choke as necessary for cold starts. Once the engine warms up, gradually disengage the choke.
- **Engine Break-in:** If this is a new engine or a major overhaul, follow the manufacturer's break-in procedures.
- **Idle Adjustment:** If the engine idles too high or too low after installation, consult your equipment's manual for idle speed adjustment procedures.

## 6. MAINTENANCE

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Regular maintenance helps prolong the life of your carburetor and ensures reliable engine operation.

- **Fuel Stabilizer:** Use a high-quality fuel stabilizer, especially during off-season storage, to prevent fuel degradation and gumming in the carburetor.
- **Fuel Filter:** Regularly inspect and replace the fuel filter (if equipped) to prevent contaminants from reaching the carburetor.
- **Air Filter:** A clean air filter is essential for proper air-fuel mixture. Clean or replace the air filter according to your engine's maintenance schedule.
- **Carburetor Cleaning:** If performance issues arise, a carburetor cleaning may be necessary. This typically involves disassembling the carburetor and cleaning jets and passages with carburetor cleaner. This task is recommended for experienced users or professional technicians.
- **Seasonal Storage:** Before long-term storage, run the engine until it runs out of fuel, or drain the fuel system completely to prevent fuel-related issues.

## 7. TROUBLESHOOTING

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If you experience issues after installing the new carburetor, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Engine will not start	<ul style="list-style-type: none"><li>• No fuel or stale fuel</li><li>• Choke not set correctly</li><li>• Spark plug issue</li><li>• Fuel lines clogged or kinked</li></ul>	<ul style="list-style-type: none"><li>• Check fuel level and quality. Refill with fresh fuel.</li><li>• Adjust choke position.</li><li>• Inspect/replace spark plug.</li><li>• Inspect and clear fuel lines.</li></ul>
Engine runs rough or stalls	<ul style="list-style-type: none"><li>• Improper air-fuel mixture</li><li>• Dirty air filter</li><li>• Vacuum leak (loose carburetor bolts/gaskets)</li><li>• Contaminated fuel</li></ul>	<ul style="list-style-type: none"><li>• Check air filter, clean or replace.</li><li>• Ensure carburetor bolts are tight and gaskets are sealed.</li><li>• Drain and refill with fresh fuel.</li></ul>
Fuel leaks	<ul style="list-style-type: none"><li>• Loose fuel line connections</li><li>• Damaged fuel lines or gaskets</li><li>• Float bowl issue</li></ul>	<ul style="list-style-type: none"><li>• Tighten all fuel line clamps.</li><li>• Inspect and replace damaged lines or gaskets.</li><li>• If persistent, carburetor may need inspection by a professional.</li></ul>

If troubleshooting steps do not resolve the issue, it is recommended to consult a qualified service technician.

## 8. SPECIFICATIONS

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Key dimensions and general information for the TRD-RST-9385 carburetor.

- **Model:** TRD-RST-9385
- **Brand:** Generic
- **Material:** Metal alloy construction
- **Mounting Hole Spacing:** Approximately 1.93 inches (49mm) center-to-center (refer to Figure 3)
- **Air Intake Diameter:** Approximately 1.03 inches (26.16mm) (refer to Figure 3)

- **Engine Side Diameter:** Approximately 0.928 inches (23.57mm) (refer to Figure 4)



Figure 3: Front view of the carburetor with key dimensions for mounting and air intake.

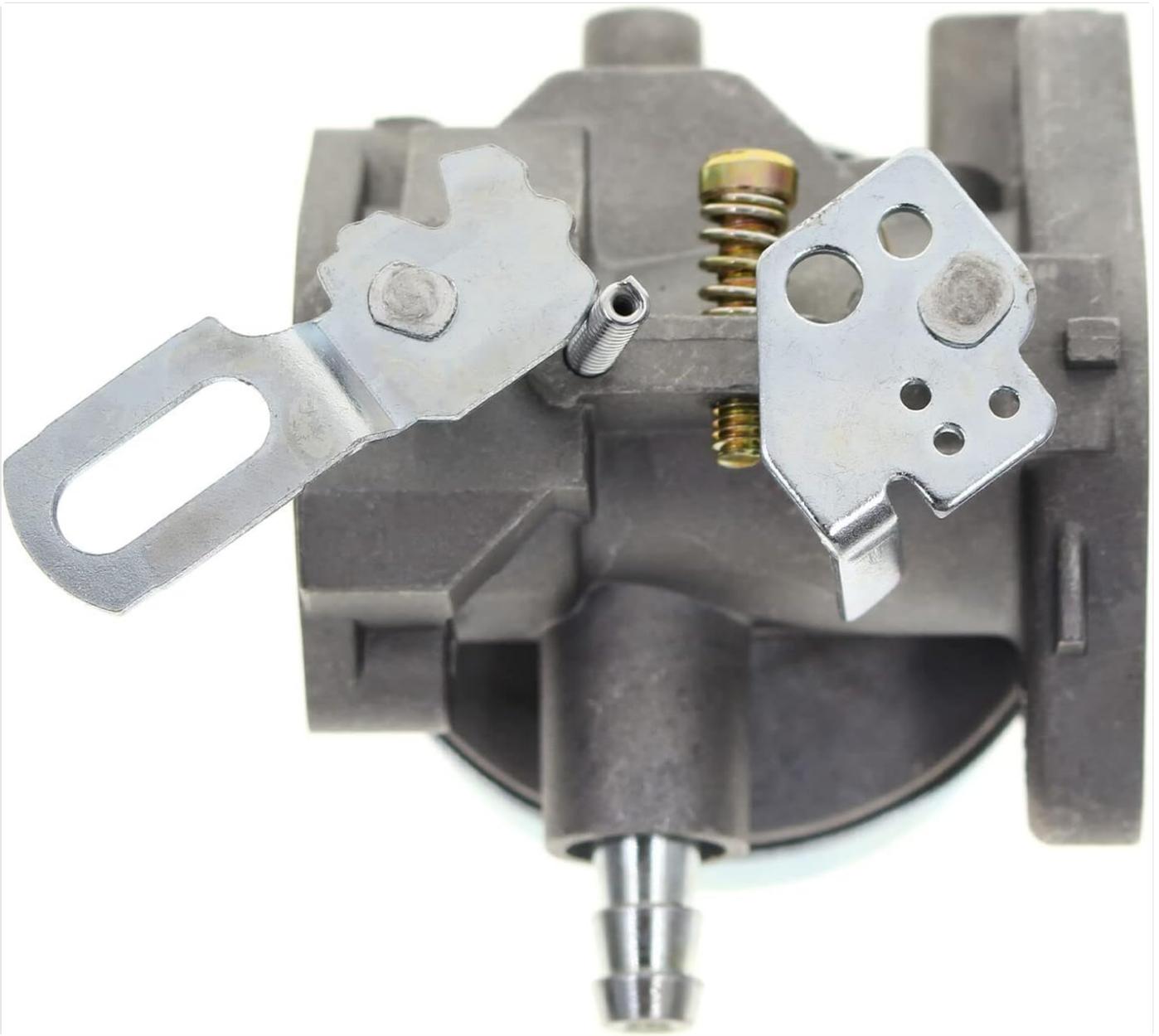


Figure 4: Engine side view of the carburetor with key dimensions for the engine connection.

## 9. WARRANTY AND SUPPORT

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For warranty information or technical support regarding this product, please contact the seller directly through your purchase platform. Keep your purchase receipt or order number handy for faster service.