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› 20 SECOND SOAP Carburetor for Yard Machines 31AS63EF700 Snow Thrower Instruction Manual

## 20 SECOND SOAP 31AS63EF700

# Instruction Manual: Carburetor for Yard Machines 31AS63EF700 Snow Thrower

Brand: 20 SECOND SOAP | Model: 31AS63EF700

### INTRODUCTION

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This manual provides essential instructions for the installation, operation, maintenance, and troubleshooting of your new replacement carburetor. This carburetor is specifically designed for Yard Machines 31AS63EF700 Two-Stage Snow Thrower and Snow Blower models. Proper installation and maintenance are crucial for ensuring optimal performance and longevity of your snow removal equipment.

Please read this manual thoroughly before attempting any installation or maintenance procedures. Keep this manual for future reference.

### SETUP AND INSTALLATION

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Replacing a carburetor requires careful attention to detail. If you are unsure about any step, it is recommended to consult a qualified service technician.

#### Safety Precautions:

- Always disconnect the spark plug wire before performing any service to prevent accidental starting.
- Work in a well-ventilated area. Fuel fumes are flammable.
- Wear appropriate personal protective equipment, such as gloves and eye protection.
- Ensure the engine is cool before starting work.

#### Installation Steps:

1. **Prepare the Snow Thrower:** Turn off the engine and allow it to cool. Disconnect the spark plug wire. Close the fuel shut-off valve (if equipped) and drain the fuel tank into an approved container.
2. **Access the Carburetor:** Remove any engine covers, air filter housing, or other components that obstruct access to the carburetor. Note the routing of all hoses and linkages.
3. **Disconnect Components:** Carefully disconnect the fuel line, throttle linkage, and choke linkage from the old carburetor. Be mindful of any springs or clips.
4. **Remove Old Carburetor:** Unbolt the old carburetor from the engine manifold. Remove any old gaskets.

5. **Install New Carburetor:** Place new gaskets (included in the kit) on the manifold and then mount the new carburetor. Ensure proper alignment. Secure with bolts, tightening them evenly.
6. **Reconnect Components:** Reattach the throttle linkage, choke linkage, and fuel line to the new carburetor. Ensure all connections are secure and move freely. Install the new fuel filter and fuel line as needed.
7. **Reassemble:** Reinstall the air filter housing and any other covers removed earlier.
8. **Refill Fuel:** Fill the fuel tank with fresh, clean fuel suitable for your snow thrower.
9. **Prime the System:** If your carburetor kit includes a primer bulb, press it several times until fuel is visible in the fuel line or the bulb feels firm.
10. **Reconnect Spark Plug:** Reconnect the spark plug wire.



This image displays the complete carburetor replacement kit. It includes the main carburetor unit, various gaskets for sealing, a red inline fuel filter, a black fuel line, and a red primer bulb. These components are essential for a successful replacement and proper fuel delivery.

## OPERATING YOUR SNOW THROWER AFTER CARBURETOR REPLACEMENT

Once the new carburetor is installed, the snow thrower should operate as designed. Refer to your snow thrower's original owner's manual for specific operating instructions. General starting procedures typically

involve:

- Ensuring the fuel tank is filled with fresh, appropriate fuel.
- Opening the fuel shut-off valve (if applicable).
- Setting the choke to the 'FULL' or 'START' position.
- Pressing the primer bulb (if equipped) 3-5 times.
- Engaging the ignition key or switch.
- Pulling the recoil starter cord or engaging the electric starter until the engine starts.
- Gradually moving the choke to the 'RUN' position as the engine warms up.

Always operate your snow thrower in a safe manner, following all safety guidelines provided by the snow thrower manufacturer.

## MAINTENANCE

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Regular maintenance of your carburetor and fuel system will ensure reliable performance of your snow thrower.

### Fuel System Maintenance:

- **Fuel Quality:** Always use fresh, clean, unleaded gasoline. Avoid using old or stale fuel, as it can cause carburetor issues.
- **Fuel Filter:** Inspect and replace the inline fuel filter annually or if it appears clogged. A dirty fuel filter restricts fuel flow to the carburetor.
- **Fuel Stabilizer:** Use a high-quality fuel stabilizer, especially during periods of storage (e.g., off-season). This helps prevent fuel degradation and gumming in the carburetor.

### Carburetor Cleaning:

- If the snow thrower experiences performance issues due to fuel contamination, the carburetor may need cleaning. This typically involves disassembling the carburetor, cleaning jets and passages with carburetor cleaner, and replacing gaskets. This is an advanced procedure and may require professional assistance.

## TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Engine won't start	No fuel reaching carburetor; clogged fuel filter; incorrect choke setting; primer not used.	Check fuel level and shut-off valve. Replace fuel filter. Ensure choke is set correctly. Press primer bulb.
Engine runs rough or stalls	Stale fuel; partially clogged carburetor jet; air leak around carburetor gaskets.	Drain old fuel and refill with fresh fuel. Clean carburetor (professional service recommended). Inspect and replace carburetor gaskets.
Lack of power during operation	Partially clogged fuel filter; carburetor not adjusted correctly (if adjustable); air filter clogged.	Replace fuel filter. Consult snow thrower manual for carburetor adjustment. Clean or replace air filter.

Problem	Possible Cause	Solution
Fuel leak from carburetor	Loose fuel line connection; damaged float bowl gasket; stuck float needle.	Tighten fuel line clamps. Inspect and replace float bowl gasket. Clean or replace float needle and seat.

For persistent issues, it is advisable to consult a qualified small engine mechanic.

## SPECIFICATIONS

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- **Product Type:** Replacement Carburetor Kit
- **Compatibility:** Yard Machines 31AS63EF700 Two-Stage Snow Thrower / Snow Blower
- **Manufacturer:** 20 SECOND SOAP
- **Model Number:** 31AS63EF700
- **UPC:** 689723481992
- **ASIN:** B0DN2QF8GF

## WARRANTY INFORMATION

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Specific warranty details for this replacement carburetor are typically provided by the seller or manufacturer at the time of purchase. Please retain your proof of purchase and contact the seller directly for any warranty-related inquiries.

## CUSTOMER SUPPORT

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For technical assistance, installation questions, or troubleshooting beyond the scope of this manual, please contact the seller or the manufacturer, 20 SECOND SOAP, through the contact information provided with your purchase or on their official website.