

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

Manuals.plus /

› [BXPARTS](#) /

› BXPARTS Carburetor Kit Instruction Manual for Yard Machines 31BE5MLG729 Snow Blower

BXPARTS 31BE5MLG729

BXPARTS Carburetor Kit Instruction Manual

For Yard Machines 31BE5MLG729 10.5hp 28" Snow Blowers

INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your new BXPARTS Carburetor Kit. This kit is designed as a replacement part for Yard Machines 31BE5MLG729 10.5hp 28" Snow Blowers and is compatible with manufacturer part numbers TC-640052, TC-640349, and TC-640054. Please read these instructions thoroughly before beginning any work to ensure safe and correct installation and to maximize the lifespan and performance of your snow blower.

SAFETY INFORMATION

Always prioritize safety when working with fuel systems and machinery. Ensure the snow blower's engine is off and cool, and disconnect the spark plug wire to prevent accidental starting. Wear appropriate personal protective equipment, including gloves and eye protection. Work in a well-ventilated area. Fuel is highly flammable; avoid open flames or sparks.

PACKAGE CONTENTS

Verify that all components listed below are present in your package:

- 1x Carburetor
- 1x Gasket
- 1x Fuel Line
- 1x Fuel Filter
- 1x Primer Bulb



Image 1: Overview of the BXPARTS Carburetor Kit components.

SETUP AND INSTALLATION

Compatibility Check: Before installation, visually compare the new carburetor with the original unit from your snow blower. Ensure all mounting points, fuel inlets, and linkages match. Refer to your snow blower's original service manual for specific carburetor removal and installation procedures.

1. **Preparation:** Ensure the snow blower is on a stable, level surface. Turn off the engine, allow it to cool, and disconnect the spark plug wire to prevent accidental starting. Drain the fuel tank into an approved container.
2. **Remove Air Filter Assembly:** Carefully remove the air filter housing and air filter to gain access to the carburetor.
3. **Disconnect Linkages and Fuel Line:** Note the position of all throttle and choke linkages connected to the old carburetor. Disconnect them. Carefully disconnect the fuel line from the carburetor, being prepared for any residual fuel.
4. **Remove Old Carburetor:** Unbolt the old carburetor from the engine. Remove and discard the old gasket.
5. **Install New Gasket and Carburetor:** Place the new gasket onto the engine mounting studs. Mount the new BXPARTS carburetor, ensuring it seats correctly. Secure it with the original bolts, tightening them evenly.
6. **Connect Fuel Line and Linkages:** Attach the new fuel line and fuel filter. Connect the primer bulb. Reattach all throttle and choke linkages to their correct positions on the new carburetor. Ensure smooth operation of the throttle and choke.
7. **Reassemble:** Reinstall the air filter and air filter housing. Reconnect the spark plug wire.



Image 2: Side view of the carburetor, highlighting the fuel inlet and mounting flange.



Image 3: Front view of the carburetor, showing the choke and throttle linkage points.

OPERATING INSTRUCTIONS (POST-INSTALLATION)

After installing the new carburetor, follow these steps to ensure proper function:

1. **Refuel:** Fill the snow blower's fuel tank with fresh, appropriate fuel as specified by the snow blower manufacturer.
2. **Prime the System:** Press the primer bulb several times until fuel is visible in the fuel line or the bulb.
3. **Start the Engine:** Follow your snow blower's standard starting procedure (e.g., set choke, throttle, pull starter cord). The engine may require a few extra pulls to draw fuel into the new carburetor.
4. **Adjustments:** Once the engine starts, allow it to warm up. If the engine runs rough or stalls, minor idle speed or mixture adjustments may be necessary. Refer to your snow blower's service manual for specific adjustment procedures.

MAINTENANCE

Regular maintenance helps ensure the longevity and reliable performance of your carburetor:

- **Fuel Quality:** Always use fresh, clean fuel. Stale fuel can cause deposits that clog carburetor passages. Consider using a fuel stabilizer, especially during storage.
- **Fuel Filter:** Regularly inspect and replace the fuel filter (included in this kit) to prevent contaminants from reaching the carburetor.
- **Air Filter:** Ensure the air filter is clean and free of debris. A clogged air filter can affect engine performance and fuel mixture.
- **Storage:** Before long-term storage, either run the engine until it runs out of fuel or drain the fuel tank and carburetor bowl to prevent fuel degradation and gumming.

TROUBLESHOOTING

If you encounter issues after carburetor installation, consider the following common problems:

- **Engine Not Starting:**

- *No Fuel:* Check fuel tank level, fuel line for kinks, and ensure fuel filter is not clogged.
- *Improper Priming:* Ensure the primer bulb is pressed sufficiently to draw fuel.
- *Choke Setting:* Verify the choke is set correctly for starting.
- *Spark Plug:* Check if the spark plug is fouled or wet.

- **Engine Runs Rough or Stalls:**

- *Air Leaks:* Check for proper seating of the carburetor and gaskets. Ensure all bolts are tightened.
- *Fuel Contamination:* Drain old fuel and replace with fresh fuel.
- *Linkage Issues:* Verify throttle and choke linkages are connected correctly and move freely.

- **Fuel Leaks:**

- *Loose Connections:* Check all fuel line connections and carburetor mounting bolts.
- *Damaged Gasket:* Ensure the gasket is properly installed and not damaged.

If problems persist, consult a qualified service technician or refer to your snow blower's comprehensive service manual.

SPECIFICATIONS

Feature	Detail
Brand	BXParts (Generic)
Model (Carburetor)	Carbureotr
Compatible Snow Blower Model	Yard Machines 31BE5MLG729 10.5hp 28"
Manufacturer Part Numbers	TC-640052, TC-640349, TC-640054
Item Weight	8 ounces
Package Dimensions	6 x 4 x 4 inches
Exterior Finish	Painted



Image 4: Bottom view of the carburetor, showing the fuel bowl.

WARRANTY AND SUPPORT

This BXPARTS Carburetor Kit is typically covered by a return policy allowing for refund or replacement within 30 days of purchase. For specific warranty details, please refer to your purchase documentation or contact the seller directly. For technical support or further assistance, please reach out to BXPARTS customer service through the platform where the purchase was made.