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QAZAKY A1079-PUK-MFN

QAZAKY Carburetor Instruction Manual

For Ariens Snowblowers (Models 924108, 924110, 924328, ST824SLE, ST824DLE)

1. Introduction

This manual provides essential information for the installation, operation, maintenance, and troubleshooting of your new QAZAKY carburetor. This carburetor is designed as a replacement part for specific Ariens snowblower models. Please read this manual thoroughly before attempting any installation or maintenance to ensure safe and correct usage.

2. Safety Information

Always prioritize safety when working with fuel systems and machinery.

- Ensure the snowblower engine is off and cool before beginning any work.
- Disconnect the spark plug wire to prevent accidental starting.
- Work in a well-ventilated area to avoid inhaling fuel fumes.
- Wear appropriate personal protective equipment (PPE), such as gloves and eye protection.
- Handle gasoline with extreme care. It is highly flammable.
- Keep fire extinguishers readily available.
- If unsure about any step, consult a qualified technician.

3. Compatibility

This QAZAKY carburetor is compatible with the following Ariens snowblower models and replacement part numbers:

Ariens Models:

- 924108
- 924110
- 924328
- ST824SLE
- ST824DLE

Compatible Snowblower Models:

- 10527 SBE
- 10527 SB
- 10530 SBE
- 1130 SB LS
- 1130 SBE
- 924 SB
- 924 SBE
- 927 SB

Replaces Part Numbers:

- AM108405
- MIA11319

4. Package Contents

Your QAZAKY carburetor kit includes the following components:



Image 4.1: Complete QAZAKY Carburetor Kit, including the carburetor, fuel lines, fuel filters, primer bulb, shut-off valve, gaskets, clamps, and cleaning brushes.

- 1x Carburetor assembly
- 2x Fuel lines
- 2x Fuel filters (red and clear)
- 1x Primer bulb
- 1x Fuel shut-off valve
- 1x Gasket
- 8x Clamps
- 1x Set of cleaning brushes

5. Installation Guide (Setup)

Follow these general steps for replacing your snowblower's carburetor. Specific procedures may vary by snowblower model. Refer to your snowblower's service manual for detailed instructions.

Required Tools:

- Socket wrench set
- Screwdriver set
- Pliers
- Fuel-resistant container for draining old fuel
- Shop rags

Installation Steps:

1. **Preparation:** Ensure the snowblower is on a stable, level surface. Turn off the engine and allow it to cool completely. Disconnect the spark plug wire to prevent accidental starting.
2. **Drain Fuel:** Locate the fuel shut-off valve (if present) and turn it off. Place a suitable container under the fuel tank and carburetor. Disconnect the fuel line from the carburetor and drain all fuel from the tank and lines.
3. **Remove Air Filter Assembly:** Carefully remove the air filter housing and air filter to gain access to the carburetor.
4. **Disconnect Linkages and Lines:** Disconnect the throttle linkage, choke linkage, and any other lines (e.g., primer line) connected to the old carburetor. Note their positions for reassembly.
5. **Remove Old Carburetor:** Unscrew the mounting bolts that secure the carburetor to the engine manifold. Carefully remove the old carburetor and any old gaskets.
6. **Clean Mounting Surface:** Clean the engine manifold mounting surface thoroughly to ensure a good seal with the new gasket.
7. **Install New Gasket:** Place the new gasket (included in the kit) onto the manifold. Ensure it is correctly oriented.
8. **Mount New Carburetor:** Position the new QAZAKY carburetor onto the gasket and secure it with the mounting bolts. Tighten bolts evenly to prevent warping.
9. **Connect Linkages and Lines:** Reconnect the throttle and choke linkages, and any other lines, ensuring they move freely and are correctly attached.
10. **Install New Fuel Lines and Filter:** Replace old fuel lines with the new ones provided. Install the new fuel filter in the fuel line between the tank and the carburetor, ensuring the flow direction is correct. Install the new fuel shut-off valve if desired.
11. **Install Primer Bulb (if applicable):** If your model uses a primer bulb, replace the old one with the new one provided and connect its line to the carburetor.
12. **Reinstall Air Filter Assembly:** Reattach the air filter and its housing.
13. **Refill Fuel:** Refill the fuel tank with fresh, appropriate fuel for your snowblower.
14. **Final Checks:** Reconnect the spark plug wire. Check all connections for tightness and ensure there are no fuel leaks.



Image 5.1: Side view of the QAZAKY carburetor, showing the fuel inlet and mounting points.



Image 5.2: Top view of the QAZAKY carburetor, illustrating the throttle and choke linkage points.

6. Operating Principles

The carburetor's primary function is to mix air and fuel in the correct ratio for combustion in the engine. It regulates the amount of air and fuel entering the engine based on throttle and choke settings.

- **Choke:** Used for cold starts. It restricts airflow, creating a richer fuel mixture to help the engine start more easily. Once the engine warms up, the choke should be opened.
- **Throttle:** Controls engine speed by regulating the amount of air-fuel mixture entering the engine.
- **Primer Bulb:** Pushing the primer bulb injects a small amount of fuel directly into the carburetor, assisting with cold starts.

7. Maintenance

Regular maintenance of your carburetor ensures optimal performance and longevity of your snowblower.

- **Fuel Quality:** Always use fresh, clean gasoline. Stale fuel can cause deposits and clog carburetor passages. Consider using a fuel stabilizer, especially during storage.
- **Fuel Filter:** Inspect and replace the fuel filter annually or if it appears dirty. A clogged fuel filter restricts fuel flow.
- **Carburetor Cleaning:** If the snowblower runs poorly, the carburetor may need cleaning. Use the provided cleaning brushes and carburetor cleaner spray to clear jets and passages. This should be done by a knowledgeable individual or professional.
- **Storage:** Before long-term storage (e.g., off-season), drain all fuel from the fuel tank and carburetor, or run the engine until it runs out of fuel. This prevents fuel degradation and carburetor clogging.

8. Troubleshooting

Here are some common issues and potential solutions related to carburetor performance:

Problem	Possible Cause	Solution
Engine won't start	No fuel, clogged fuel filter, clogged carburetor jet, incorrect choke setting	Check fuel level, replace fuel filter, clean carburetor, adjust choke
Engine runs rough or stalls	Dirty carburetor, old fuel, air leak, incorrect idle adjustment	Clean carburetor, use fresh fuel, check for air leaks, adjust idle screw
Engine lacks power	Partially clogged carburetor, restricted air filter	Clean carburetor, replace air filter
Fuel leaks from carburetor	Damaged gasket, loose bolts, faulty float needle	Check/replace gasket, tighten bolts, inspect float needle

9. Specifications

Key specifications for the QAZAKY Carburetor (Model A1079-PUK-MFN):



Image 9.1: Front view dimensions of the carburetor, showing inlet diameter and mounting hole spacing.



Image 9.2: Rear view dimensions of the carburetor, showing outlet diameter and mounting hole spacing.

Feature	Detail
Brand	QAZAKY
Item Model Number	A1079-PUK-MFN
Item Weight	8.4 ounces
Package Dimensions	4.9 x 4.2 x 3.1 inches
Flange Type	Bolt On
Recommended Uses	Snowblower

10. Warranty and Support

All original QAZAKY parts are backed by a **180-day carefree return policy**. For any questions or support, please refer to your purchase documentation or contact QAZAKY customer service.

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