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QAZAKY A1355-PUK-MFN

QAZAKY 640169 Carburetor User Manual

Model: A1355-PUK-MFN | Brand: QAZAKY

Introduction | Product Overview | Installation | Operation | Maintenance | Troubleshooting | Specifications | Warranty & Support

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of the QAZAKY 640169 Carburetor. Please read this manual thoroughly before attempting any installation or service to ensure proper function and safety. This carburetor is designed as a replacement part for specific snowblower engines.

Safety Information

- Always disconnect the spark plug wire before working on the engine to prevent accidental starting.
- Ensure the engine is cool before handling carburetor components.
- Work in a well-ventilated area when dealing with fuel.
- Wear appropriate personal protective equipment, such as gloves and eye protection.
- Refer to your snowblower's original service manual for specific engine disassembly and reassembly procedures.

2. Product Overview

The QAZAKY 640169 Carburetor is a replacement component designed to regulate the air-fuel mixture for optimal engine performance. It is manufactured to meet specific compatibility requirements for various snowblower models.



Figure 2.1: Complete QAZAKY 640169 Carburetor kit, including the carburetor unit, fuel lines, gaskets, and cleaning brushes.

Compatibility

This carburetor is compatible with the following engine and snowblower models:

- **Tecumseh Engines:** 640169, OH318, OH318SA, OHSK80, OHSK90, OHSK100, OHSK110.
- **Toro Snowblower Models:** 38079, 38542, 38546, 38547, 38558, 38559, 38560, 38650, 38651, 38652.
- Also fits various Tecumseh, Sears, Craftsman, and Ariens snow king 11.5hp engines, including Ariens 1024PRO (10HP/24" swath) Snowblower.



Figure 2.2: The carburetor shown with a background indicating compatibility with Toro snowblower models.



Figure 2.3: The carburetor designed to fit Tecumseh Snow King 11.5hp engines.



Figure 2.4: The carburetor is a direct replacement for part number 640169 TC-640169.

3. Installation

Installing the carburetor requires careful attention to detail. If you are unsure about any step, consult a qualified technician or your snowblower's service manual.

Required Tools (Not Included):

- Socket wrench set
- Screwdriver set
- Pliers
- Fuel line clamps
- Container for draining fuel

Installation Steps:

1. **Preparation:** Ensure the engine is off and cool. Disconnect the spark plug wire. Turn off the fuel supply valve.
2. **Drain Fuel:** Place a suitable container under the carburetor and drain any remaining fuel from the fuel tank and carburetor bowl.
3. **Remove Air Filter Assembly:** Carefully remove the air filter housing and any associated components to gain access to the carburetor.
4. **Disconnect Linkages and Hoses:** Disconnect the throttle linkage, choke linkage, and fuel line from the old carburetor. Note their positions for reassembly.
5. **Remove Old Carburetor:** Unbolt the old carburetor from the engine manifold. Remove any old gaskets.
6. **Install New Carburetor:** Place new gaskets (included in the kit) on both sides of the carburetor mounting flange. Mount the new QAZAKY carburetor onto the engine manifold and secure it with the bolts. Do not overtighten.
7. **Reconnect Components:** Reconnect the fuel line, throttle linkage, and choke linkage to the new carburetor. Ensure all connections are secure and properly routed.
8. **Reinstall Air Filter Assembly:** Reattach the air filter housing and any other components removed in step 3.
9. **Reconnect Spark Plug:** Reconnect the spark plug wire.
10. **Refill Fuel:** Turn on the fuel supply valve and refill the fuel tank with fresh, appropriate fuel. Check for any leaks.

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Video 3.1: An instructional video demonstrating the installation process for a QAZAKY carburetor on a Tecumseh engine. This video provides a visual guide to the steps outlined above.

4. Operating Instructions

After successful installation, the carburetor should allow the engine to start and run smoothly. The following general steps apply to most snowblower engines:

1. **Choke:** For a cold engine, set the choke lever to the "Full Choke" position.
2. **Throttle:** Set the throttle lever to the "Fast" or "Run" position.
3. **Start Engine:** Engage the starter (pull cord or electric start) according to your snowblower's instructions.
4. **Adjust Choke:** Once the engine starts and runs for a few seconds, gradually move the choke lever to the "Half Choke" position, then to the "Run" or "Off Choke" position as the engine warms up and runs smoothly.
5. **Warm-up:** Allow the engine to warm up for a few minutes before operating the snowblower under load.

If the engine does not start or runs poorly, refer to the Troubleshooting section.

5. Maintenance

Regular maintenance of your carburetor ensures reliable engine performance and extends its lifespan.

General Maintenance Tips:

- **Fuel Quality:** Always 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:** Inspect and replace the fuel filter regularly (if equipped) to prevent debris from reaching the carburetor.
- **Cleaning:** If the carburetor becomes clogged, it may require cleaning. The kit includes small brushes for this purpose. Disassemble the carburetor carefully, clean all passages and jets with carburetor cleaner, and reassemble with new gaskets if necessary.
- **Storage:** Before long-term storage, run the engine until it runs out of fuel, or drain the fuel tank and carburetor bowl

to prevent fuel degradation and gumming.

6. Troubleshooting

This section addresses common issues that may arise after carburetor installation or during operation.

Problem	Possible Cause	Solution
Engine won't start	No fuel, clogged fuel filter, incorrect choke setting, spark plug issue.	Check fuel level and quality. Inspect/replace fuel filter. Adjust choke. Check spark plug for fouling or damage.
Engine starts but dies	Improper choke adjustment, fuel starvation, air leak, clogged idle jet.	Adjust choke gradually. Ensure fuel flow. Check for loose connections or damaged gaskets. Clean idle jet.
Engine surges or runs rough	Lean fuel mixture, clogged main jet, air leak, governor issue.	Clean main jet. Check for air leaks around carburetor gaskets. Consult engine manual for governor adjustment.
Fuel leaks from carburetor	Damaged float, stuck float needle, loose bowl screw, damaged gasket.	Inspect float and needle valve for damage or debris. Tighten bowl screw. Replace bowl gasket.

7. Specifications

Technical details for the QAZAKY 640169 Carburetor (Model A1355-PUK-MFN):

- **Part Number:** 640169, TC-640169
- **Item Model Number:** A1355-PUK-MFN
- **Brand:** QAZAKY
- **Package Dimensions:** 6.3 x 6.06 x 3.35 inches
- **Item Weight:** 12.6 ounces
- **Vehicle Service Type:** Snowblower
- **Recommended Uses:** Snowblower



Figure 7.1: Front view of the carburetor showing an intake diameter of 0.95 inches (24mm) and a height of 1.81 inches (46mm) from the base to the top of the intake.



Figure 7.2: Side view of the carburetor showing an intake diameter of 1.02 inches (26mm) and a height of 1.38 inches (35mm) from the base to the top of the intake.

8. Warranty and Support

QAZAKY products are designed for reliability and performance. For specific warranty details and customer support, please refer to the information provided at the time of purchase or contact QAZAKY directly.

Customer Support: For technical assistance, replacement parts, or warranty claims, please visit the official QAZAKY store on Amazon or contact their customer service department. You can find contact information on the product packaging or the seller's page.

Online Resources: Additional information and support may be available through theQAZAKY Store on Amazon.

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