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QAZAKY PB20H42YT PB22H42YT PB22H48YT PBGT22H48

Fuel Pump Instruction Manual

Model: PB20H42YT PB22H42YT PB22H48YT PBGT22H48

1. Product Overview

This manual provides essential information for the installation, operation, and maintenance of your new QAZAKY Fuel Pump. This high-quality replacement part is designed to ensure reliable fuel delivery for compatible lawn mowers and tractors, maintaining optimal engine performance.

Image: The QAZAKY fuel pump, a black, circular component with multiple hose connections, is shown alongside a small, clear inline fuel filter. The pump features four brass-colored screws on its top surface and mounting holes on its flanges.

2. Compatibility

This fuel pump is compatible with a wide range of lawn mowers and tractors. Please verify your model number against the list below to ensure proper fitment.

- **Poulan Pro:** PB195H42LT, PB20H42YT, PB22H42YT, PB22H48YT, PBGT22H48, PK19H42LT, PRGT22H48, DPR22H48ST
- **Poulan Pro Engines:** 17.5HP, 18.5HP, 19HP Lawn Mower Tractor, 300EX 42" engines
- **Poulan Pro Riding Lawn Tractor Mower:** PP105G30 (960220027), PP19A42 (960460077)
- Also compatible with various models from **Kohler, Kawasaki, Ryobi, Husqvarna, Cub Cadet, Briggs & Stratton, John Deere, Honda**, and more.

Image: A visual representation of the fuel pump with a list of compatible Poulan Pro models and engine types, reinforcing the broad compatibility of the product.

3. Product Specifications and Features

Key Features:

- **Durable Construction:** Made from alloy and plastic for long-lasting performance.
- **High-Quality:** Manufactured to OEM standards for reliable operation.
- **Easy Installation:** Designed for straightforward replacement.
- **Vacuum Style:** Operates as a vacuum-style fuel pump.

- **Hose Compatibility:** Fits 1/4-inch fuel lines.

Detailed Specifications:

Specification	Value
Brand	QAZAKY
Fit Type	Universal Fit
Vehicle Service Type	Tractor
Item Weight	0.1 Kilograms (3.52 ounces)
Specification Met	OEM
Auto Part Position	Rear Right
Outlet Connection Size	0.25 Inches
Outlet Connection Type	Barb
Body Material	Alloy + Plastic
Connector Type	NPT
Gas Type	Gasoline
Mounting Type	Line Mount
Operation Mode	Automatic



Image: Top-down view of the fuel pump with key dimensions indicated: 2.76 inches (70mm) across the main body and 1.97 inches (50mm) in width.



Image: Angled view of the fuel pump highlighting the dimensions of its various ports: 0.24 inches (6mm), 0.28 inches (7mm), and 0.26 inches (6mm).

4. Setup and Installation

Safety First: Before beginning any installation, ensure the engine is off and cool. Disconnect the battery to prevent accidental starting. Work in a well-ventilated area and have a fire extinguisher nearby. Fuel is highly flammable.

1. **Locate the Existing Fuel Pump:** Identify the current fuel pump on your equipment. It is typically mounted near the engine or fuel tank.
2. **Prepare for Fuel Spillage:** Place a suitable container under the fuel lines to catch any residual fuel when disconnecting.
3. **Disconnect Fuel Lines:** Carefully disconnect the fuel inlet, fuel outlet, and vacuum/pulse lines from the old pump. Note their positions for correct re-connection.
4. **Remove Old Pump:** Unbolt or unmount the old fuel pump from its position.
5. **Install New Pump:** Mount the new QAZAKY fuel pump in the same location and orientation as the old one. Ensure it is securely fastened.
6. **Connect Fuel Lines:** Reconnect the fuel inlet, fuel outlet, and vacuum/pulse lines to the corresponding ports on the new pump. Refer to the diagram below for port identification. Ensure all connections are tight to prevent leaks.

7. **Install Fuel Filter (if applicable):** If your system uses an inline fuel filter, ensure it is clean or replace it with a new one (one is included with this pump). Install it in the correct direction of fuel flow.
8. **Reconnect Battery:** Once all connections are secure and checked for leaks, reconnect the battery.
9. **Test System:** Start the engine and check for any fuel leaks around the new pump and connections. Allow the engine to run for a few minutes to ensure proper fuel delivery.



Image: A diagram illustrating the various ports on the fuel pump, including the Air Inlet and Outlet, Fuel Inlet, Crank Case Pressure port, and Fuel Outlet, crucial for correct hose connection.

5. Operation

The QAZAKY fuel pump operates automatically, drawing fuel from the tank and delivering it to the carburetor or fuel injection system. It is a vacuum-style pump, meaning it uses pressure pulses from the engine's crankcase (or intake manifold) to create the pumping action. When the engine is running, these pulses activate the pump's diaphragm, which in turn creates suction to pull fuel from the tank and pressure to push it towards the engine.
Proper operation relies on secure connections and clear fuel lines. A correctly installed fuel pump ensures a consistent and adequate supply of fuel, which is vital for smooth engine starting and running.

6. Maintenance

While the fuel pump itself is designed for durability and minimal maintenance, regular checks of the surrounding fuel system components are recommended to ensure its longevity and optimal performance:

- **Inspect Fuel Lines:** Periodically check all fuel lines for cracks, kinks, or signs of wear. Replace any damaged lines immediately.
- **Check Connections:** Ensure all hose clamps and connections to the fuel pump and other fuel system components are tight and free of leaks.
- **Fuel Filter Replacement:** The included inline fuel filter should be inspected and replaced regularly, typically at least once a season or as recommended by your equipment's manufacturer. A clogged fuel filter can restrict fuel flow and strain the pump.
- **Cleanliness:** Keep the area around the fuel pump clean and free of debris.
- **Fuel Quality:** Always use clean, fresh fuel appropriate for your equipment. Stale or contaminated fuel can lead to fuel system issues.

7. Troubleshooting

If you experience issues with your equipment's fuel delivery after installing the new pump, consider the following common troubleshooting steps:

Problem	Possible Cause	Solution
Engine not starting or rough running	No fuel or insufficient fuel delivery	• Check fuel tank for adequate fuel. • Verify fuel lines are correctly connected and not kinked. • Inspect fuel filter for clogs; replace if necessary. • Ensure vacuum/pulse line to pump is connected and not damaged.

Problem	Possible Cause	Solution
Fuel leaks	Loose connections or damaged fuel lines	• Tighten all hose clamps and connections. • Inspect fuel lines for cracks or punctures; replace if damaged.
Engine stalls after starting	Intermittent fuel supply	• Check for air leaks in fuel lines or connections. • Ensure fuel tank vent is not clogged. • Verify fuel filter is not partially clogged.

If issues persist after troubleshooting, it is recommended to consult a qualified service technician.

8. Warranty and Customer Support

QAZAKY stands behind the quality of its products. Our advanced factory has ten years of outstanding technological accumulation, ensuring high-quality products and a strict quality control system.
If any problems are encountered with your fuel pump, please do not hesitate to contact us via Amazon message. Our customer support team is ready to assist you with any inquiries or issues.
For further assistance, please visit the QAZAKY Store on Amazon.

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