WnewTools ATOOL925618

WnewTools Fuel Shut-Off Valve Instruction Manual

Model: ATOOL925618

Introduction

This manual provides essential information for the proper installation, operation, and maintenance of your WnewTools ON/OFF Fuel Shut-Off Valve. This valve is designed as a replacement component for generator and gas engine fuel tanks, ensuring reliable fuel flow control. Please read these instructions carefully before use to ensure safe and effective operation.

Product Overview



This image displays the WnewTools Fuel Shut-Off Valve, highlighting its main components including the metal valve body, the threaded inlet with a white filter screen, and the outlet barb. The overall construction appears robust.



A side view of the fuel shut-off valve, clearly showing the lever mechanism used to switch the fuel flow ON or OFF. Markings for 'ON' and 'OFF' are visible near the lever.



This image provides another perspective of the valve, emphasizing the fuel outlet barb where the hose connects. The overall compact design is evident.

Setup

The WnewTools Fuel Shut-Off Valve is designed for straightforward installation as a replacement part. Always ensure the engine is off and cool, and take appropriate safety precautions when working with fuel.

1. **Compatibility Check:** Verify that your generator or gas engine fuel tank has compatible port threads (M10x1.25) for the valve's inlet.
2. **Prepare for Installation:** Ensure the fuel tank is empty or the fuel level is below the installation point to prevent spills. Have absorbent materials ready.
3. **Identify Ports:** The valve has a threaded inlet (M10x1.25) with an integrated filter screen and a 1/4" hose barb outlet.
4. **Install Valve:** Carefully thread the valve into the fuel tank's port. Hand-tighten first, then use an appropriate wrench to secure it firmly. Do not overtighten. Ensure any included washers or seals are properly seated to create a leak-free connection.
5. **Connect Fuel Line:** Attach the fuel line securely to the 1/4" hose barb outlet. Use a hose clamp if necessary to ensure a tight fit and prevent leaks.
6. **Leak Check:** After installation, slowly refill the fuel tank and inspect all connections for any signs of leakage before operating the engine.

Operating Instructions

The fuel shut-off valve provides simple ON/OFF functionality with a 90-degree rotation of the lever.

- **To Allow Fuel Flow (ON):** Rotate the lever to the 'ON' position. This position typically aligns the lever with the direction of the fuel line or is clearly marked on the valve body.
- **To Stop Fuel Flow (OFF):** Rotate the lever 90 degrees to the 'OFF' position. This position will typically be perpendicular to the fuel line direction or clearly marked. Always turn the valve to the 'OFF' position when the engine is not in use or during maintenance to prevent fuel leakage and ensure safety.

Maintenance

Regular maintenance ensures the longevity and proper function of your fuel shut-off valve.

- **Filter Screen Inspection:** The valve includes an integrated filter screen at the inlet. Periodically inspect this screen for any accumulated debris or blockages. A clogged screen can restrict fuel flow.
- **Cleaning the Filter Screen:** If the screen is dirty, carefully remove the valve from the tank (ensuring fuel is drained) and gently clean the screen using a soft brush and appropriate fuel system cleaner. Rinse thoroughly and allow to dry before reinstallation.
- **Leak Checks:** Regularly check all connections, including where the valve threads into the tank and where the fuel line connects, for any signs of fuel leakage. Address any leaks immediately.
- **General Condition:** Inspect the valve body and lever for any signs of damage, corrosion, or excessive wear.
- **Replacement:** If the valve shows significant wear, damage, or if persistent leaks occur despite tightening connections, it should be replaced with a new one to ensure safety and proper operation.

Troubleshooting

If you encounter issues with your fuel shut-off valve, refer to the following common problems and solutions:

- **Problem: No Fuel Flow or Restricted Fuel Flow**
  - **Solution 1:** Ensure the valve lever is fully in the 'ON' position.
  - **Solution 2:** Check the integrated filter screen for clogs. Clean it if necessary as described in the Maintenance section.
  - **Solution 3:** Inspect the fuel lines connected to the valve for any kinks, blockages, or damage.
- **Problem: Fuel Leakage from the Valve or Connections**
  - **Solution 1:** Verify that the valve is securely threaded into the fuel tank and that all connections (e.g., fuel line to barb) are tight.
  - **Solution 2:** Check the condition of any washers or seals used during installation. If they are worn, cracked, or improperly seated, replace them.
  - **Solution 3:** If the leak persists directly from the valve body, the internal components may be faulty. The valve should be replaced.

If these troubleshooting steps do not resolve the issue, it is recommended to consult a qualified technician or contact the manufacturer for further assistance.

Specifications

Feature	Detail
Brand	WnewTools
Model Number	ATOOL925618
Inlet Port	M10x1.25 (with filter screen)
Outlet Port	1/4" hose barb
Function	ON/OFF 90 degree rotation
Total Length	Approx. 8 cm (3.15 inches)
Item Dimensions (L x W x H)	8.66 x 3.15 x 5.91 inches
Item Weight	100 Grams (3.53 ounces)
Number of Pieces	1
UPC	769902983407
Country of Origin	China

Warranty and Support

Warranty information for this specific product is not provided in the available documentation. For details regarding warranty coverage, please contact your retailer or the manufacturer, WnewTools, directly.
For technical support, installation assistance, or any other inquiries, please refer to the contact information provided by your point of purchase or visit the official WnewTools website for customer service options.

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