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› Hipa Fuel Gas Tank Grommet and Shut Off Valve (Models 951-0171, 735 0149) Instruction Manual

Hipa 951-0171, 735 0149

Hipa Fuel Gas Tank Grommet and Shut Off Valve Instruction Manual

Models: 951-0171, 735 0149

1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of your Hipa Fuel Gas Tank Grommet and Shut Off Valve kit. This kit is designed to provide reliable fuel flow control and prevent leaks in various outdoor power equipment.



Image 1.1: Hipa Fuel Gas Tank Grommet and Shut Off Valve kit.

Please read these instructions carefully before proceeding with installation or use to ensure proper function and safety.

2. PACKAGE CONTENTS

Your Hipa Fuel Gas Tank Grommet and Shut Off Valve kit includes the following components:

- 1x 951-0171 Fuel Shut Off Valve
- 1x 735-0149 Fuel Tank Bushing (Grommet)
- 1x Fuel Line
- 1x Fuel Filter

COMPATIBLE WITH 1/4" I.D. FUEL LINES

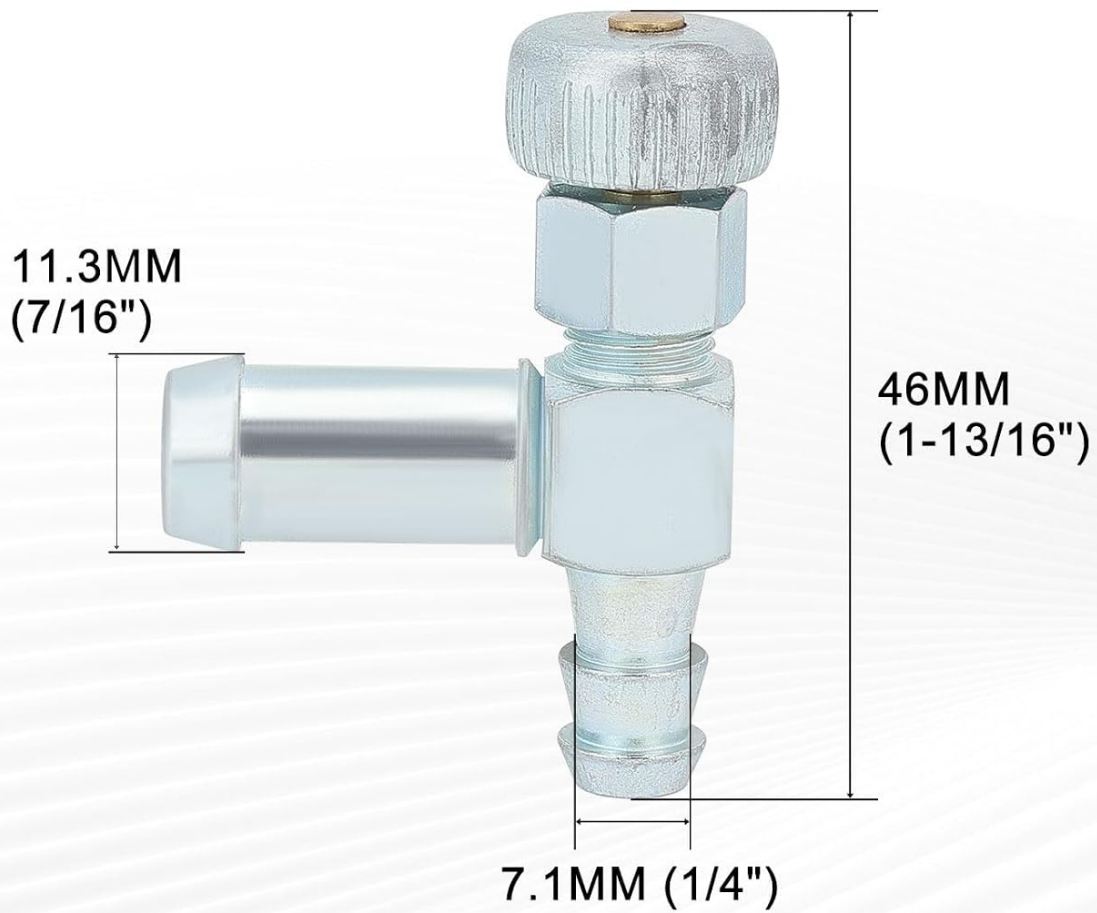


Image 2.1: Dimensions of the 951-0171 Fuel Shut Off Valve, compatible with 1/4-inch I.D. fuel lines.

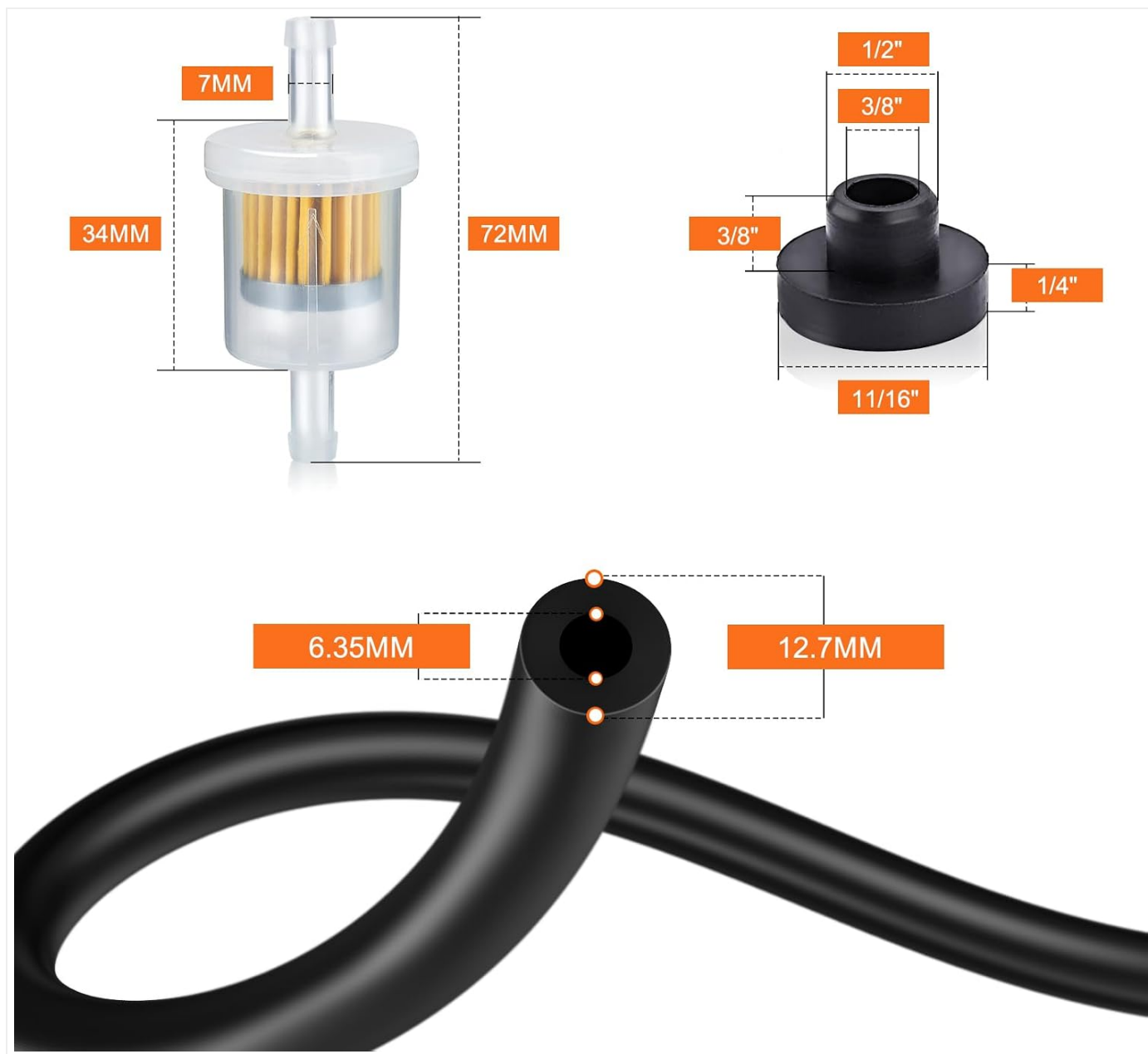


Image 2.2: Dimensions of the fuel filter and 735-0149 fuel tank bushing (grommet).

PRECISE CONTROL OF FUEL FLOW

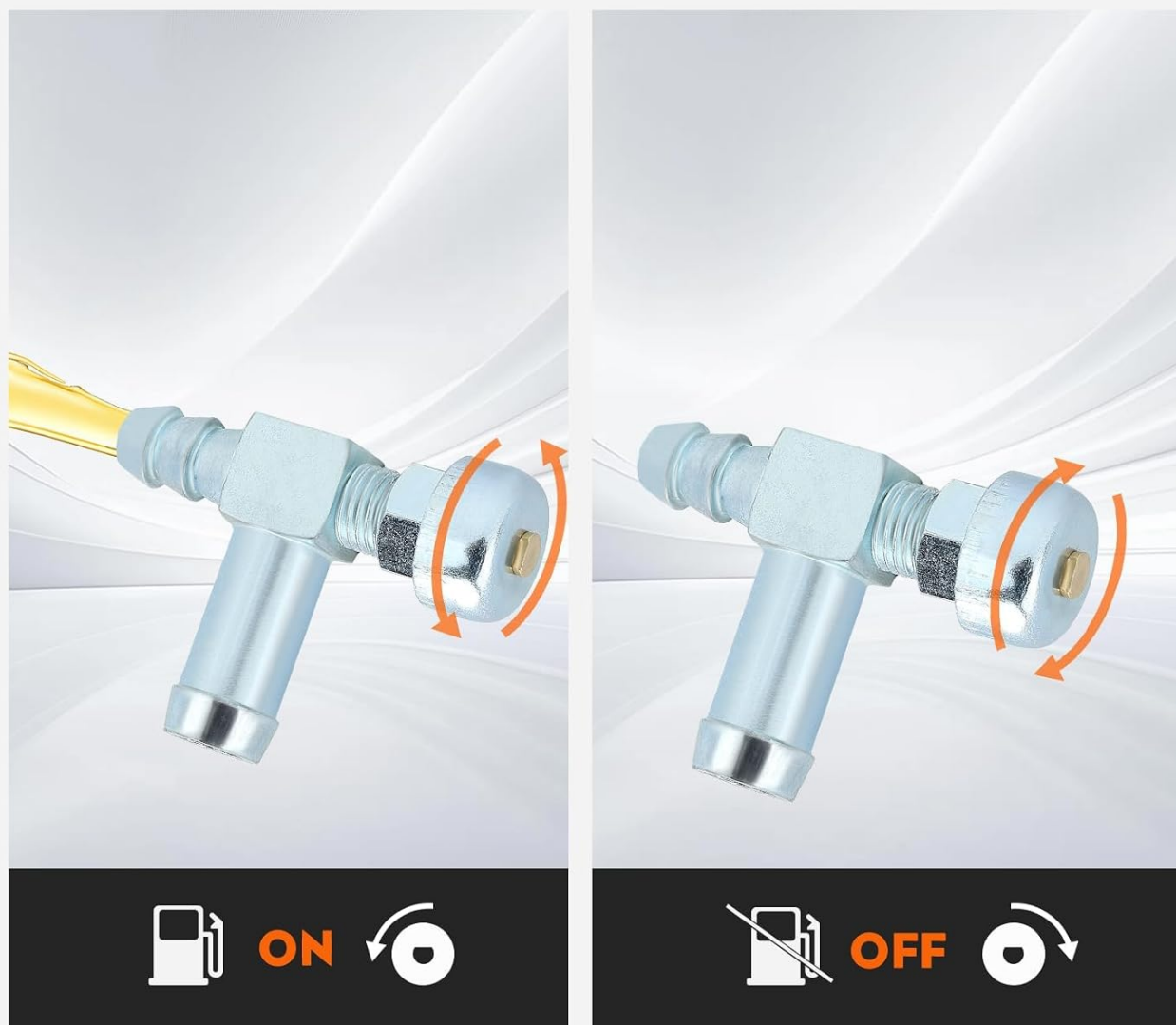


Image 2.3: Dimensions of the included fuel line.

3. COMPATIBILITY

This Hipa Fuel Gas Tank Grommet and Shut Off Valve kit is designed for use with a 33/64-inch fuel tank hole and requires a 1/4-inch I.D. fuel line. It is compatible with various outdoor power equipment, including:

- Portable Generators
- Self-propelled Walk-behind Mowers
- Riding Mowers
- Lawn Tractors
- Garden Tractors
- Snow Blowers
- Tillers
- Log Splitters

- Carburetors requiring a fuel shut-off valve

The 951-0171 Fuel Shut Off Valve replaces MTD Part # 951-0171, 751-0171, 1747184, 1751477, 751-3007, GW-1747184, GW-1751477, GW-B1747184 & IH-135354-C1.

The 735-0149 Fuel Tank Bushing replaces parts for various brands, including:

- **MTD/Cad/Troy-Bilt:** 935-0149, 735-0149
- **Exmark:** 1-513645, 46-6560, E513645
- **Murray:** 42690
- **Scag:** 482571, 48309, 75093
- **Simplicity:** 1654930, 1654930SM
- **Snapper:** 1-2337, 1654930, 1654930SM, 7012337
- **Tecumseh:** 33679
- **Toro:** 104047, 46-6560
- **Troy-Bilt:** 1738433

PROTECT YOUR ENGINE IN LONG-TERM STORAGE

Easily Prevent Engine flood, Dilution and Hydraulic lock



Important: Always verify your engine model and existing part numbers before purchasing and installing to ensure correct fitment.

4. INSTALLATION (SETUP)

Follow these general steps for installing the fuel shut-off valve and grommet. Specific procedures may vary slightly depending on your equipment model. Always refer to your equipment's service manual for detailed instructions.

Safety Precautions:

- Ensure the engine is cool and disconnected from any power source (e.g., spark plug wire removed).
- Work in a well-ventilated area, away from open flames or sparks.
- Wear appropriate personal protective equipment, such as gloves and eye protection.
- Have a suitable container ready to catch any drained fuel.

Installation Steps:

1. **Drain Fuel:** If replacing an existing valve, ensure the fuel tank is empty. Use the existing shut-off valve (if present) to stop fuel flow, or clamp the fuel line. Drain any remaining fuel into a safe container.
2. **Remove Old Components:** Disconnect the fuel line from the old shut-off valve. Carefully remove the old shut-off valve and the old fuel tank grommet from the fuel tank. Clean the area around the fuel tank hole.
3. **Install New Grommet:** Insert the new 735-0149 fuel tank bushing (grommet) into the 33/64-inch fuel tank hole. Ensure it is seated firmly and creates a tight seal.
4. **Install New Shut Off Valve:** Insert the 951-0171 fuel shut off valve into the newly installed grommet. Push it firmly until it is securely in place.
5. **Connect Fuel Line:** Attach one end of the new fuel line to the outlet of the shut-off valve. Secure it with a clamp if necessary (clamps not included).
6. **Install Fuel Filter:** Cut the fuel line to the appropriate length and install the new fuel filter in-line between the shut-off valve and the carburetor. Ensure the arrow on the fuel filter points towards the carburetor (direction of fuel flow). Secure connections with clamps.
7. **Connect to Carburetor:** Connect the other end of the fuel line (from the fuel filter) to the carburetor inlet. Secure with a clamp.
8. **Check for Leaks:** Refill the fuel tank with the appropriate fuel. Turn the shut-off valve to the 'ON' position (refer to Section 5). Inspect all connections for any signs of fuel leaks. Tighten connections as needed.
9. **Test Operation:** Reconnect the spark plug wire. Start the engine and allow it to run for a few minutes, checking again for any leaks.

5. OPERATION

The Hipa Fuel Shut Off Valve provides precise control over fuel flow to your engine. It features two primary positions:

- **ON Position:** Allows fuel to flow from the tank to the engine. This is the normal operating position.
- **OFF Position:** Stops the flow of fuel from the tank to the engine. Use this position when storing equipment or performing maintenance.

HIGH PERFORMANCE



Nickel-Plated
Copper Body



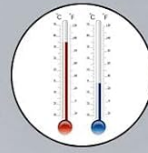
Leak-Proof
Rubber O-Ring



Long Lifespan



Corrosion
Resistance



Temperature
Tolerance

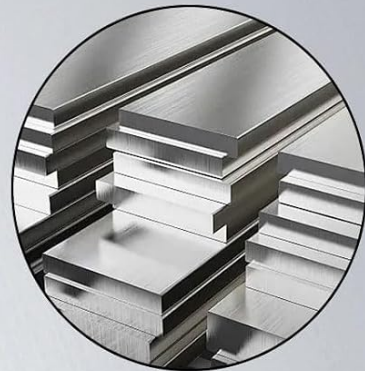


Image 5.1: Fuel Shut Off Valve ON and OFF positions for precise fuel flow control.

To change the position, simply rotate the knob on the valve to align with the desired setting (ON or OFF).

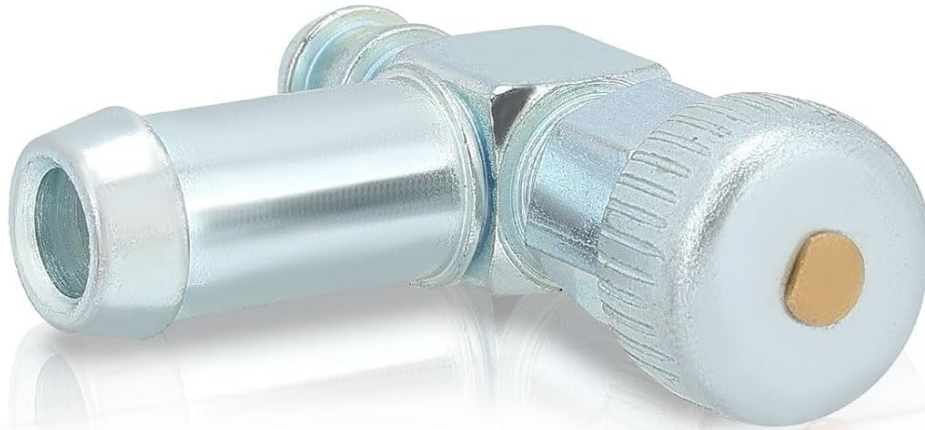
6. MAINTENANCE

Regular maintenance of your fuel system components ensures optimal performance and longevity of your equipment.

General Maintenance Tips:

- **Inspect for Leaks:** Periodically check the fuel shut-off valve, grommet, and fuel lines for any signs of leaks or cracks. Replace components immediately if damage is found.
- **Fuel Filter Replacement:** The included fuel filter helps protect your engine from contaminants. Replace the fuel filter annually or more frequently if operating in dusty conditions or if fuel flow appears restricted.
- **Component Quality:** The Hipa shut-off valve features a nickel-plated copper body and a leak-proof rubber O-ring, designed for long lifespan, corrosion resistance, and temperature tolerance.

MANUAL FUEL SYSTEM CONTROL



Prevent fuel
leaks



Preventing Fire
Hazards



Easier engine
maintenance



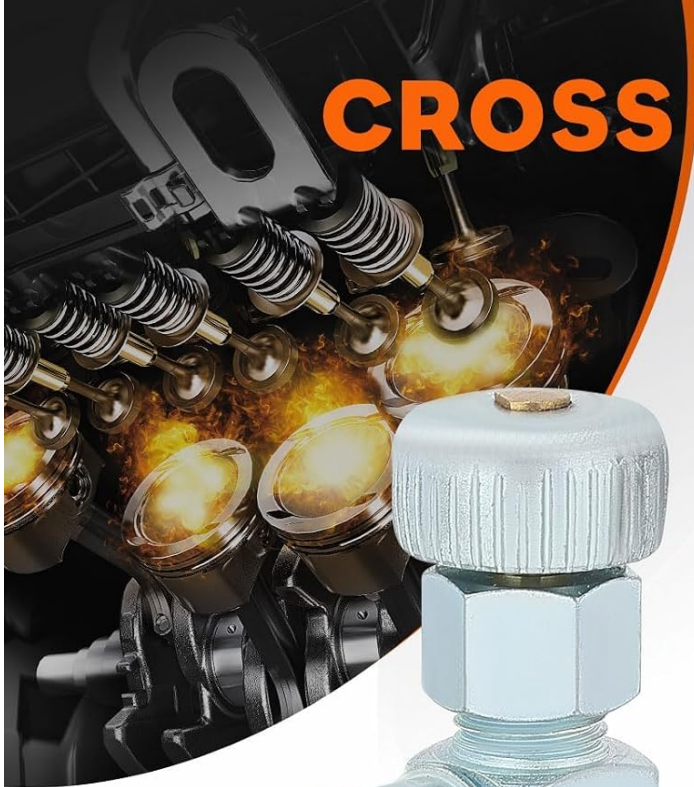
Convenient Engine
Storage

Image 6.1: High performance features of the Hipa Fuel Shut Off Valve.

Benefits of Manual Fuel System Control:

Utilizing the manual fuel shut-off valve offers several advantages:

- **Prevents Fuel Leaks:** Turning off the fuel supply when not in use minimizes the risk of leaks.
- **Prevents Fire Hazards:** Reducing fuel exposure significantly lowers fire risks.
- **Easier Engine Maintenance:** Allows for safer and cleaner maintenance by isolating the fuel supply.
- **Convenient Engine Storage:** Essential for long-term storage to prevent engine flood, fuel dilution, and hydraulic lock.



CROSS REFERENCE

MTD / Troy-Bilt / Cub Cadet ●

951-0171 751-0171 751-3007 1747184
1751477 GW-1747184 GW-1751477
GW-B1747184 IH-135354-C1

Stens ●

120-253

Oregon ●

07-404

Rotary ●

8675

MTD ●

215-412-000 216-412-000
217-412-000 412-036 412-192 Tiller

MTD ●

125-574-000 12574S 12560C
126-560-000 Lawn Mower

Coleman Powermate ●

3000 4000 5000 6250 Watt Generator



Image 6.2: Benefits of manual fuel system control.

PROTECT YOUR ENGINE IN LONG-TERM STORAGE

Easily Prevent Engine flood, Dilution and Hydraulic lock



Image 6.3: Protecting your engine in long-term storage by preventing fuel-related issues.

7. TROUBLESHOOTING

If you encounter issues after installing the Hipa Fuel Gas Tank Grommet and Shut Off Valve kit, consider the following:

- **Fuel Leakage:**

- Ensure all fuel line connections are tight and secured with clamps.
- Verify the fuel tank grommet is properly seated and not damaged.
- Check the shut-off valve for any visible cracks or damage.

- **Engine Not Receiving Fuel / Not Starting:**

- Confirm the fuel shut-off valve is in the 'ON' position.
- Check the fuel filter for clogging. If dirty, replace it.
- Ensure the fuel line is not kinked or obstructed.

If problems persist, consult a qualified service technician or refer to your equipment's specific service manual.

8. SPECIFICATIONS

Manufacturer	Hipa
Item Model Numbers	951-0171 (Shut Off Valve), 735 0149 (Grommet)
Fuel Tank Hole Size	33/64 inches
Required Fuel Line I.D.	1/4 inches
Item Weight	5.6 ounces
Package Dimensions	4.17 x 4.13 x 2.64 inches

9. WARRANTY AND SUPPORT

For information regarding product warranty, returns, or technical support, please refer to the retailer's policy where the product was purchased or contact Hipa customer service directly through their official channels. Always provide your product model numbers (951-0171, 735 0149) and purchase details when seeking support.

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Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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