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Sxkxm 7-0948

Sxkxm 7-9048 Fuel Withdrawal Tube Instruction Manual

Model: 7-0948

1. Introduction

This manual provides instructions for the proper installation, operation, and maintenance of the Sxkxm 7-9048 Fuel Withdrawal Tube. Please read this manual thoroughly before installation and retain it for future reference.

2. Product Overview

The Sxkxm 7-9048 Fuel Withdrawal Tube is designed for use in marine fuel tanks, providing a reliable method for fuel extraction. It features a rigid polyethylene tube and an aluminum joint.

2.1 Key Features

- **Material:** PVC tube with aluminum alloy joints, designed for marine environments.
- **Compatibility:** Formulated for modern fuels, including E10 and E85.
- **Integrated Strainer:** A filter gauze at the base prevents large particles from entering the fuel system.
- **Dimensions:** 12-inch length with 3/8" NPT external thread and 1/4" NPT internal thread on a 90-degree aluminum joint.



Image 2.1: Overview of the Sxkxm 7-9048 Fuel Withdrawal Tube, highlighting its components and 12-inch length.

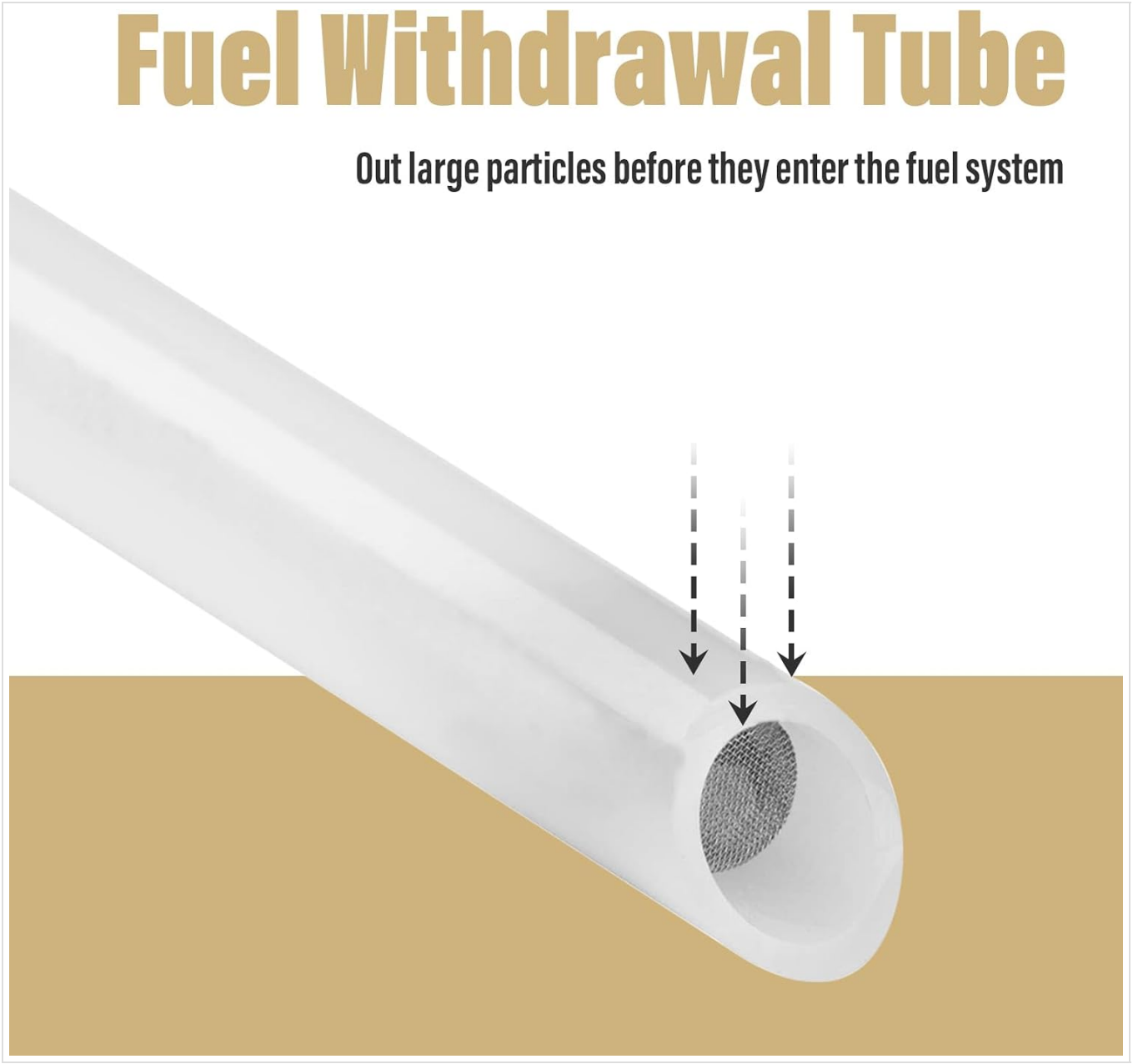

Image 2.2: Detail of the integrated filter gauze at the base of the fuel withdrawal tube, designed to prevent large particles from entering the fuel system.

3. Installation Instructions

Proper installation is crucial for the safe and effective operation of the fuel withdrawal tube.

3.1 Safety Precautions

- Ensure the fuel tank is empty or at a very low level before beginning installation.
- Work in a well-ventilated area to avoid inhaling fuel fumes.
- Keep ignition sources away from the work area.
- Wear appropriate personal protective equipment, including gloves and eye protection.

3.2 Installation Steps

1. **Prepare the Tank Opening:** Ensure the fuel tank opening is clean and free of debris.
2. **Measure and Cut (if necessary):** The tube is 12 inches long. If your tank depth requires a shorter tube, carefully measure and cut the polyethylene tube to the desired length. Ensure a clean, straight cut.
3. **Apply Thread Sealant:** Apply a suitable fuel-resistant thread sealant to the 3/8" NPT external threads of the

aluminum joint.

4. **Insert and Secure:** Carefully insert the fuel withdrawal tube into the tank opening. Thread the aluminum joint into the tank's fitting until hand-tight, then use a wrench to tighten it securely, ensuring a leak-free seal. Do not overtighten.
5. **Connect Fuel Line:** Connect your boat's fuel line to the 1/4" NPT internal thread on the 90-degree aluminum joint. Use appropriate fittings and clamps to ensure a secure, leak-free connection.
6. **Leak Check:** After installation, fill the tank with a small amount of fuel and check for any leaks around the connections. Address any leaks immediately before full operation.



Image 3.1: Illustration detailing the 3/8" NPT external thread and 1/4" NPT internal thread on the 90-degree aluminum joint.

4. Operation

Once properly installed, the Sxkxm 7-9048 Fuel Withdrawal Tube operates passively as part of your boat's fuel system. It draws fuel from the bottom of the tank, and the integrated strainer filters out large debris.
Ensure all fuel lines are properly connected and free of kinks or obstructions for optimal fuel flow.

5. Maintenance

The Sxkxm 7-9048 Fuel Withdrawal Tube requires minimal maintenance.

- **Regular Inspection:** Periodically inspect the visible parts of the fuel withdrawal tube and its connections for any signs of wear, damage, or leaks.
- **Strainer Check:** If you experience reduced fuel flow, it may indicate a clogged strainer. The strainer is integrated into the tube and is not easily removable for cleaning without removing the entire tube from the tank. If clogging is suspected, the tube may need to be removed and inspected.
- **Material Integrity:** The PVC and aluminum components are designed for durability. However, extreme conditions or prolonged exposure to incompatible substances may cause degradation. Replace the tube if any material degradation is observed.

6. Troubleshooting

Problem	Possible Cause	Solution
Fuel Leak at Connection	Improperly tightened connection; insufficient thread sealant; damaged threads.	Tighten connection, reapply thread sealant, or replace if threads are damaged.
Reduced Fuel Flow	Clogged strainer; kinked fuel line; obstruction in the tube.	Inspect and clear fuel lines. If strainer is clogged, remove and inspect the tube.
Tube Detaches from Joint	Improper initial assembly; material fatigue.	This indicates a critical failure. The tube must be retrieved from the tank and replaced. Ensure proper seating during installation.

7. Specifications

- **Model:** 7-0948
- **Brand:** Sxkxm
- **Material:** Chlorinated Polyvinyl Chloride (CPVC) tube, Aluminum alloy joint
- **Length:** 12 inches
- **External Thread:** 3/8" NPT
- **Internal Thread:** 1/4" NPT
- **Compatibility:** E10 and E85 fuels
- **Included Components:** 7-0948 Boat Gas Tank Pickup Tube

8. Warranty and Support

For any questions regarding product quality, models, or size, please contact Sxkxm customer service. Support is typically available within 24 hours.
Please refer to your purchase documentation for specific warranty details.

9. Important Notice

This product is intended for marine fuel system applications. Any modifications or improper use may void warranty and lead to hazardous conditions. Always ensure compliance with local and national marine safety regulations.

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