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> [Attwood 8890LP6 Marine Fuel Tank Fitting Instruction Manual](#)

Attwood 8890LP6

Attwood 8890LP6 Marine Fuel Tank Fitting Instruction Manual

Model: 8890LP6 | Brand: Attwood

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Attwood 8890LP6 Marine Fuel Tank Fitting. This fitting is specifically designed for use with Mercury/Mariner brand engines and tanks, ensuring a secure connection for your marine fuel lines. Please read these instructions carefully before installation and retain this manual for future reference.

2. PRODUCT OVERVIEW AND FEATURES

The Attwood 8890LP6 is a female fuel tank fitting constructed from durable Acetal material, providing reliable performance in marine environments. It is compatible with leaded, unleaded, and alcohol-blended fuels.

- **Durable Construction:** Made from Acetal for long-lasting performance and resistance to various fuel types.
- **Easy Installation:** Features barbed fittings designed for 3/8 inch I.D. (interior diameter) hose.
- **Fuel Compatibility:** Suitable for use with leaded, unleaded, and alcohol-blended fuels.
- **Engine Specific:** Engineered for compatibility with Mercury/Mariner brand engines and tanks.



Image 1: Attwood 8890LP6 Marine Fuel Tank Fitting, showing the barb and connection mechanism.

3. SAFETY INFORMATION

Working with fuel systems involves inherent risks. Adhere to all safety precautions to prevent injury or damage.

- **Flammable Materials:** Fuel is highly flammable. Ensure no open flames, sparks, or other ignition sources are present during installation or maintenance.
- **Ventilation:** Work in a well-ventilated area to avoid inhaling fuel vapors.
- **Eye and Skin Protection:** Wear appropriate personal protective equipment, including safety glasses and gloves, to prevent contact with fuel.
- **Fuel Spills:** Have absorbent materials readily available to clean up any fuel spills immediately. Dispose of contaminated materials properly.
- **Professional Assistance:** If you are unsure about any step of the installation or maintenance process, consult a qualified marine technician.
- **Engine Off:** Always ensure the engine is turned off and cooled down before working on the fuel system. Disconnect the battery to prevent accidental starting.

4. INSTALLATION AND SETUP

Proper installation is crucial for the safe and effective operation of your fuel system. This fitting is designed for 3/8 inch I.D. fuel hose. Hose clamps (not included) are required to secure the hose to the barb fitting.

1. **Preparation:** Ensure the engine is off, cool, and the battery is disconnected. Relieve any pressure in the fuel system according to your engine manufacturer's instructions.
2. **Compatibility Check:** Verify that your fuel tank and engine are Mercury/Mariner brand, as this fitting is specifically designed for them.
3. **Hose Connection:** Slide a hose clamp onto the 3/8 inch I.D. fuel hose. Push the fuel hose firmly onto the barbed end of the Attwood 8890LP6 fitting until it is fully seated.
4. **Secure Hose:** Position the hose clamp over the barbed section of the fitting and tighten it securely to prevent leaks. Do not overtighten.

5. **Tank Connection:** Connect the female end of the Attwood 8890LP6 fitting to the male fuel connector on your Mercury/Mariner fuel tank. Ensure it clicks or locks into place securely.
6. **Leak Check:** After installation, reconnect the battery and prime the fuel system. Carefully inspect all connections for any signs of fuel leaks before starting the engine. Address any leaks immediately.



Image 2: Side view of the fitting, highlighting the barbed end for hose connection.

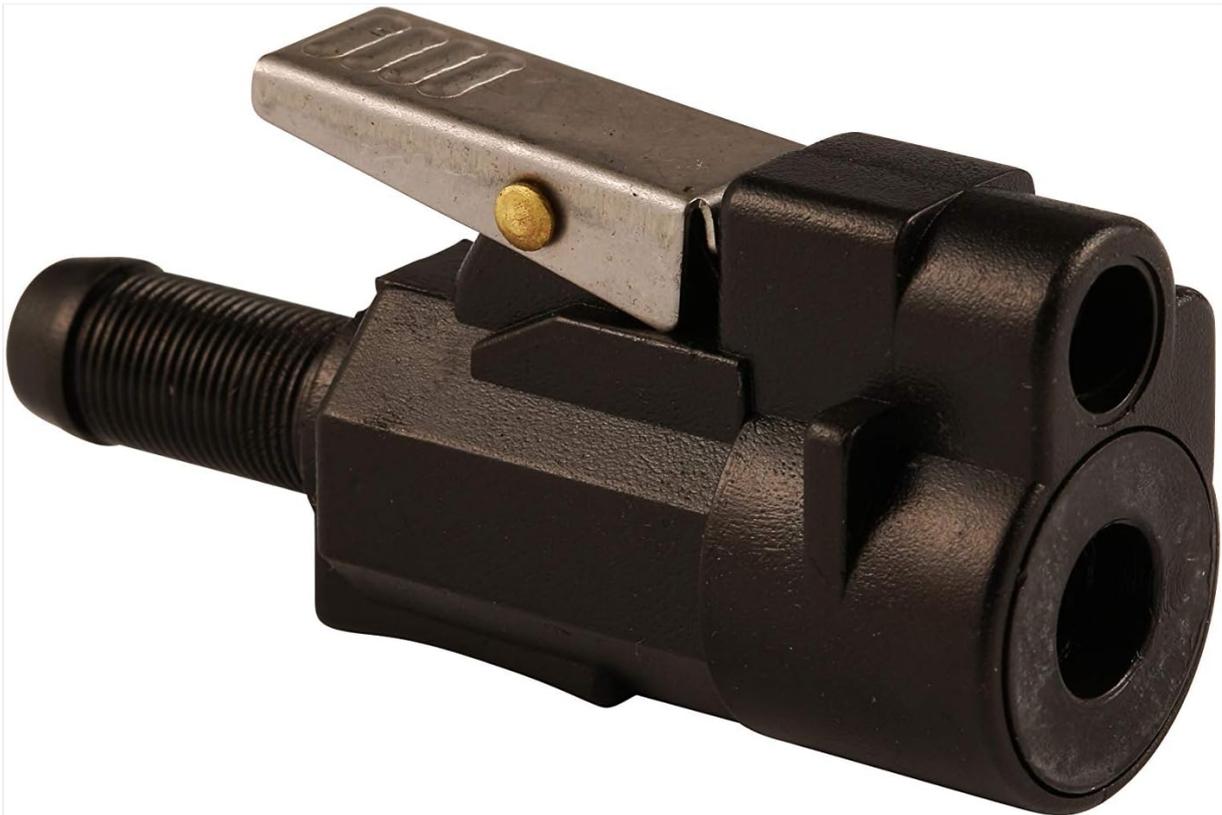


Image 3: Angled view of the fitting, showing both the barbed end and the female connector for the tank.



Image 4: Dimensional drawing of the Attwood 8890LP6 fitting, showing length, height, and barb diameters.

5. OPERATION

Once correctly installed, the Attwood 8890LP6 fuel tank fitting operates as a passive component of your marine fuel system. Its primary function is to provide a secure and leak-free connection between your fuel hose and the fuel tank. No specific user interaction is required for its operation beyond ensuring it remains properly connected and free from damage.

6. MAINTENANCE

Regular inspection and maintenance will help ensure the longevity and safe operation of your fuel tank fitting.

- **Visual Inspection:** Periodically inspect the fitting for any signs of wear, cracks, discoloration, or damage. Check the hose connection for tightness and ensure the hose clamp is secure.
- **Leak Detection:** After any service or if you suspect a problem, perform a thorough leak check. Look for fuel residue or odors around the fitting.
- **Cleaning:** If necessary, clean the exterior of the fitting with a mild soap and water solution. Avoid using harsh chemicals or solvents that could degrade the Acetal material.
- **Replacement:** If any damage or significant wear is observed, replace the fitting immediately with a genuine Attwood 8890LP6 part to maintain fuel system integrity.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your fuel tank fitting.

Problem	Possible Cause	Solution
Fuel Leak at Hose Connection	Loose hose clamp, damaged hose, or improperly seated hose.	Tighten hose clamp, inspect hose for damage and replace if necessary, ensure hose is fully seated on the barb.
Fuel Leak at Tank Connection	Fitting not fully engaged with tank connector, damaged O-ring (if applicable), or incompatible tank connector.	Ensure fitting is securely locked onto the tank connector. Inspect the tank connector for damage. Verify compatibility with Mercury/Mariner tanks.
Poor Fuel Flow	Obstruction in the fitting or hose, or a problem elsewhere in the fuel system.	Inspect the fitting and hose for blockages. If the fitting is clear, troubleshoot other components of the fuel system (e.g., fuel filter, fuel pump).

If troubleshooting steps do not resolve the issue, discontinue use and contact Attwood customer support or a

qualified marine technician.

8. SPECIFICATIONS

Attribute	Detail
Brand	Attwood
Model Number	8890LP6
Material	Acetal
Color	Black
Product Dimensions (L x W)	2.71" x 0.87"
Item Weight	1.12 ounces
Nominal Wall Thickness	0.3 inches
Outside Diameter	0.87 Inches
Item Length	2.71 Inches
UPC	022697889065
Specific Uses	Fuel Line Connection for Mercury/Mariner Engines
Included Components	Mercury/Mariner Tank Fitting

9. WARRANTY AND SUPPORT

Attwood Corporation stands behind the quality of its products.

- **Warranty:** Please contact us if you experience any issues within 30 days of receipt.
- **Customer Support:** For further assistance, technical questions, or to report an issue, please visit the official Attwood website or contact their customer service department.