

- Manuals.plus /
- > [Standard Motor Products](#) /
 - > Standard Motor Products FL99 Carburetor Float User Manual

Standard Motor Products FL99

Standard Motor Products FL99 Carburetor Float User Manual

Model: FL99

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of the Standard Motor Products FL99 Carburetor Float. Designed for precision and durability, this component is crucial for maintaining proper fuel levels within your vehicle's carburetor.

PRODUCT OVERVIEW

The FL99 Carburetor Float is a critical component in the fuel delivery system of internal combustion engines. Its primary function is to regulate the fuel level in the carburetor's float bowl, ensuring a consistent supply of fuel to the engine. When the fuel level rises, the float lifts, closing the needle valve and stopping fuel flow. As fuel is consumed, the float drops, opening the valve and allowing more fuel to enter the bowl.

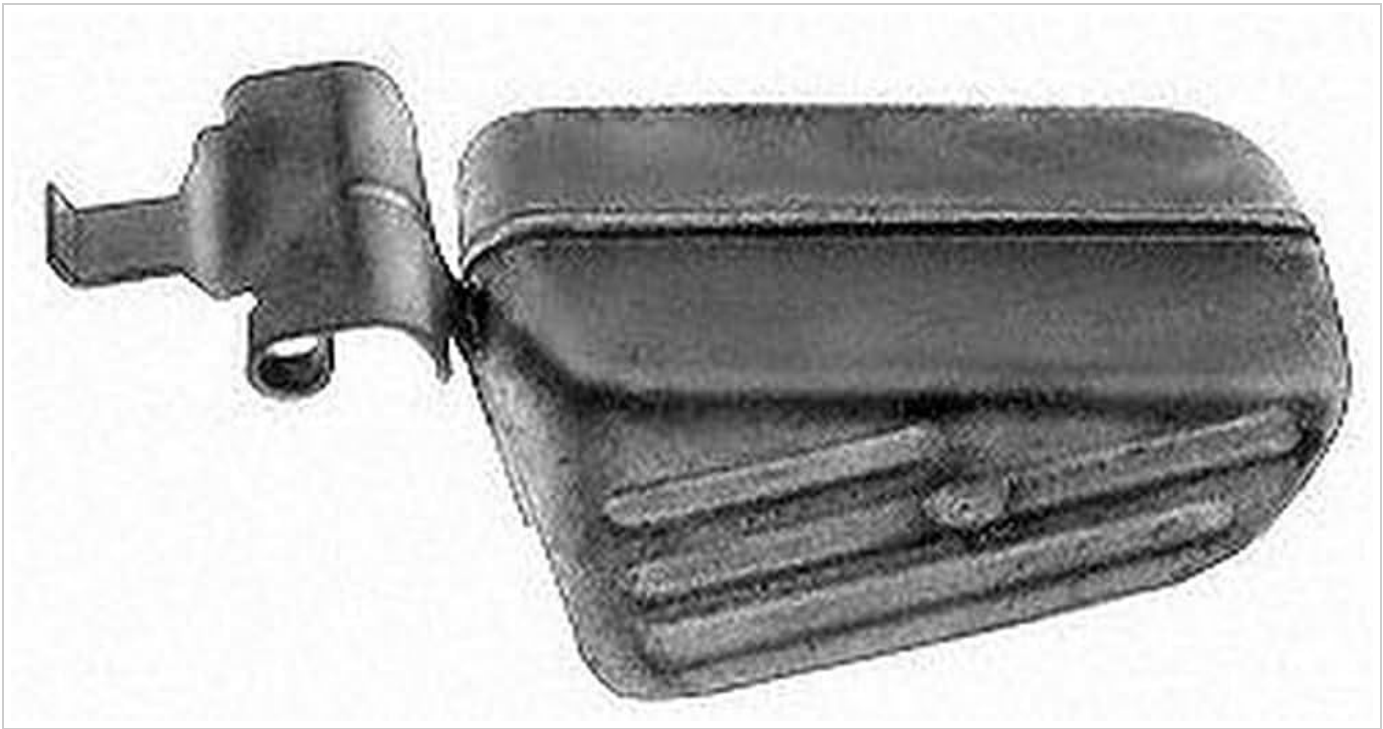


Image: Standard Motor Products FL99 Carburetor Float. This image displays the FL99 carburetor float, a rectangular, dark-colored

component with a metallic arm attached. The arm is designed to pivot, allowing the float to move up and down with fuel level changes in the carburetor bowl.

What's in the Box:

- One (1) Standard Motor Products FL99 Carburetor Float

SPECIFICATIONS

Attribute	Detail
Manufacturer	Standard Motor Products
Model Number	FL99
Product Type	Carburetor Float
Item Weight	0.774 ounces
Product Dimensions	2.75 x 1 x 2.75 inches
Country of Origin	USA
Exterior Finish	Machined
UPC	091769184667

SETUP AND INSTALLATION

Installation of a carburetor float requires careful attention to detail and familiarity with carburetor components. It is recommended that this procedure be performed by a qualified mechanic or an individual with experience in automotive fuel systems.

Required Tools (Not Included):

- Basic hand tools (screwdrivers, wrenches, pliers)
- Carburetor cleaner
- Float level gauge
- Service manual for your specific vehicle/carburetor model

Installation Steps:

1. **Safety First:** Disconnect the vehicle's battery and ensure the engine is cool. Work in a well-ventilated area.
2. **Remove Carburetor:** Carefully remove the carburetor from the engine, following your vehicle's service manual instructions.
3. **Disassemble Float Bowl:** Remove the screws securing the float bowl to the carburetor body. Gently separate the bowl, being mindful of any gaskets.
4. **Remove Old Float:** Locate the float pin. Carefully slide out the float pin and remove the old float and needle valve. Inspect the needle valve seat for wear or damage.
5. **Install New Float:** Insert the new needle valve into its seat. Position the new Standard Motor Products FL99 Carburetor Float onto its pivot arm and slide the float pin back through the pivot and the carburetor body to secure it. Ensure the float moves freely without binding.
6. **Adjust Float Level:** This is a critical step. Using a float level gauge specific to your carburetor model, adjust the float arm to achieve the correct fuel level. Refer to your vehicle's service manual for the precise specification. Incorrect float level can lead to rich or lean fuel mixtures.

7. **Reassemble:** Replace the float bowl gasket (if necessary) and reattach the float bowl to the carburetor body, tightening screws evenly.
8. **Reinstall Carburetor:** Reinstall the carburetor onto the engine, reconnecting all fuel lines, vacuum hoses, and linkages.
9. **Test:** Reconnect the battery and start the engine. Check for fuel leaks and observe engine performance. Fine-tune as necessary.

OPERATING PRINCIPLES

Once installed and properly adjusted, the FL99 Carburetor Float operates automatically to maintain the optimal fuel level in the carburetor's float bowl. This consistent fuel level is essential for the carburetor to accurately meter fuel and air, ensuring efficient combustion and proper engine performance across various operating conditions.

A correctly functioning float prevents both fuel starvation (too low a level) and flooding (too high a level), which can lead to poor starting, rough idling, reduced fuel economy, and excessive emissions.

MAINTENANCE

The Standard Motor Products FL99 Carburetor Float is designed for long-term reliability. Regular maintenance of the carburetor system will help ensure the float's continued proper function.

- **Fuel Quality:** Use clean, high-quality fuel to prevent deposits and corrosion that can impede float movement or damage the needle valve.
- **Fuel Filter:** Ensure your vehicle's fuel filter is regularly replaced according to manufacturer recommendations to prevent contaminants from reaching the carburetor.
- **Periodic Inspection:** During routine carburetor service or rebuilds, inspect the float for signs of damage, saturation (if it's a hollow float), or excessive wear on the pivot points. Ensure it moves freely.
- **Cleanliness:** Keep the float bowl and all carburetor passages clean. Any debris can interfere with float operation.

TROUBLESHOOTING

Issues related to the carburetor float often manifest as fuel delivery problems. Here are some common symptoms and potential causes:

Symptom	Possible Cause	Solution
Engine Flooding / Rich Mixture (e.g., strong fuel smell, black smoke, poor fuel economy)	Float level too high Saturated float (if hollow) Sticking needle valve Debris in needle valve seat	Adjust float level Replace float Clean/replace needle valve and seat
Engine Stalling / Lean Mixture (e.g., hesitation, backfiring, lack of power)	Float level too low Float sticking in down position Clogged fuel filter	Adjust float level Inspect and free float movement Replace fuel filter
Fuel Leaks from Carburetor	Float level too high Damaged float bowl gasket Sticking needle valve	Adjust float level Replace gasket Clean/replace needle valve and seat

If troubleshooting steps do not resolve the issue, consult a professional automotive technician.

WARRANTY AND SUPPORT

For specific warranty information regarding your Standard Motor Products FL99 Carburetor Float, please refer to the packaging or contact Standard Motor Products directly. Support for installation and troubleshooting beyond this manual's scope should be sought from a certified automotive professional.

You can find more information about Standard Motor Products and their offerings on their official website: www.smpcorp.com

© 2024 Standard Motor Products. All rights reserved.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Email

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

Details

Submit question

Open the live page

<https://manuals.plus/asin/B000C7Y5IO>

More documents and user manuals: <https://manuals.plus/>