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> Carbman 62129-75T 22mm Petcock Fuel Valve Instruction Manual

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Model: 62129-75T | Brand: Carbman

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Carbman 62129-75T 22mm Petcock Fuel Valve. Please read this manual thoroughly before installation and use to ensure proper function and safety. This fuel valve is designed for specific Harley Davidson models, offering reliable fuel flow control with On, Off, and Reserve positions.

PRODUCT OVERVIEW

The Carbman 62129-75T is a high-quality fuel petcock designed to replace original equipment parts on various Harley Davidson motorcycles. It features a durable metal construction with a stainless steel exterior finish, ensuring longevity and resistance to corrosion. The valve includes a Viton gasket for a secure seal and a mesh filter to prevent debris from entering the fuel system.



Figure 1: Front view of the Carbman 62129-75T 22mm Petcock Fuel Valve, showing the main body and fuel filter.

Key Features:

- **Part Numbers Replaced:** 62167-81, 62168-81, 62163-75, 62129-75T
- **Outlet Type:** Straight Down Outlet
- **Thread Size:** 22mm Threads
- **Outlet Diameter:** 1/4" O.D. Outlet
- **Positions:** 3-position control (On, Off, Reserve)
- **Gasket:** Includes Viton Gasket for enhanced sealing
- **Filter:** Integrated mesh fuel filter

COMPATIBILITY

This fuel petcock is compatible with a wide range of Harley Davidson models. Please verify your motorcycle's specific

requirements before installation.

Compatible Harley Davidson Models:

- Sportster 1200
- Sportster 1000
- Sportster 883
- Big Twin
- Dyna
- Electra Glide
- Fatboy
- Heritage Softail
- Springer
- Low Rider
- Tour Glide
- Road King

SPECIFICATIONS

Attribute	Value
Material	Metal
Exterior Finish	Stainless Steel
Inlet Connection Type	Threaded
Outlet Connection Type	NPT
Number of Ports	1
Outlet Connection Size	0.25 Inches
Item Weight	6.4 ounces
Package Dimensions	5.3 x 2.6 x 2.1 inches
Thread Size	22mm
Item Package Quantity	1

Dimensional Drawings:



Figure 2: Front dimensional view, showing overall height and width.

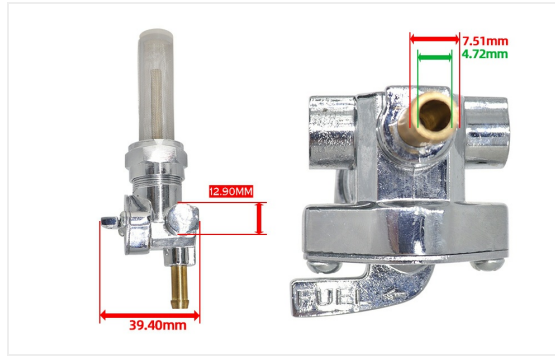


Figure 3: Side dimensional view, showing depth and outlet position.

SETUP AND INSTALLATION

Installation of a fuel petcock requires careful attention to detail to prevent fuel leaks and ensure proper function. While this product is designed for easy installation, professional installation is recommended for optimal results and safety.

Required Tools (Typical):

- Wrench (appropriate size for 22mm threads)
- Fuel-resistant sealant or thread tape (optional, but recommended for a secure seal)
- Drain pan for fuel
- Clean rags
- Safety glasses and gloves

Installation Steps:

1. **Safety First:** Ensure the motorcycle engine is cool. Disconnect the battery to prevent accidental starts. Work in a well-ventilated area away from open flames or sparks.
2. **Drain Fuel Tank:** Turn the existing petcock to the "OFF" position. Place a suitable drain pan under the fuel tank. Disconnect the fuel line from the old petcock and drain all fuel from the tank.
3. **Remove Old Petcock:** Carefully unscrew the old petcock from the fuel tank. Be prepared for any residual fuel.
4. **Inspect Tank Opening:** Clean the fuel tank opening thoroughly, removing any old gasket material or debris.
5. **Prepare New Petcock:** Ensure the Viton gasket is properly seated on the new Carbman petcock. Apply a small amount of fuel-resistant thread sealant or tape to the threads if desired, though the gasket should provide a sufficient seal.
6. **Install New Petcock:** Carefully thread the new petcock into the fuel tank opening. Hand-tighten first, then use a wrench to tighten securely. **Do not overtighten**, as this can damage the threads or the petcock.
7. **Connect Fuel Line:** Reconnect the fuel line to the 1/4" O.D. outlet on the new petcock. Ensure the connection is secure and free of leaks.
8. **Refill Fuel Tank:** Slowly add a small amount of fuel to the tank. Check for any leaks around the petcock and fuel line connections. If no leaks are present, fill the tank to the desired level.
9. **Final Checks:** Reconnect the battery. Start the motorcycle and check for proper fuel flow and any signs of leaks during operation.

If you encounter any difficulties or are unsure about any step, consult a qualified motorcycle mechanic.

OPERATING INSTRUCTIONS

The Carbman 62129-75T fuel petcock features a simple 3-position lever for controlling fuel flow. Familiarize yourself with these positions before operating your motorcycle.



Figure 4: Top view showing the fuel control lever and its positions.

Lever Positions:

- **ON:** In this position, fuel flows from the main fuel supply in the tank to the carburetor or fuel injection system. This is the standard operating position.
- **OFF:** This position completely shuts off the fuel flow from the tank. Always turn the petcock to "OFF" when parking

the motorcycle for extended periods, during maintenance, or for transport to prevent fuel leaks.

- **RESERVE (RES):** When the main fuel supply runs low, switch to the "RESERVE" position. This accesses a lower portion of the fuel tank, providing a small amount of emergency fuel to reach a gas station. Remember to refill your tank and switch back to "ON" as soon as possible after using reserve.

Always ensure the petcock is in the correct position for your riding conditions to avoid unexpected fuel starvation or leaks.

MAINTENANCE

Regular maintenance of your fuel petcock ensures its longevity and reliable performance. The Carbman 62129-75T is designed for durability, but periodic checks are recommended.





Figure 5: Side view highlighting the integrated mesh fuel filter.

Maintenance Tips:

- **Leak Inspection:** Periodically check around the petcock and fuel line connections for any signs of fuel leaks. Address any leaks immediately.
- **Filter Cleaning:** The integrated mesh filter helps prevent debris from entering your fuel system. If you notice reduced fuel flow or suspect clogging, the petcock may need to be removed and the filter cleaned or replaced.
- **Lever Operation:** Ensure the control lever moves smoothly between "ON," "OFF," and "RESERVE" positions. If it becomes stiff or difficult to move, inspect for debris or internal issues.
- **Gasket Condition:** The Viton gasket provides a critical seal. If the petcock is removed for any reason, inspect the gasket for cracks, hardening, or damage and replace if necessary.
- **Storage:** When storing the motorcycle for an extended period, turn the petcock to "OFF" and consider draining the fuel system to prevent fuel degradation and carburetor issues.

TROUBLESHOOTING

This section addresses common issues you might encounter with your fuel petcock. If you cannot resolve an issue, consult a professional mechanic.

Problem	Possible Cause	Solution
Fuel Leak at Petcock	Loose connection, damaged gasket, cracked housing.	Tighten petcock or fuel line connections. Inspect and replace gasket if damaged. If housing is cracked, replace the petcock.
No Fuel Flow (Engine not starting/stalling)	Petcock in "OFF" position, clogged fuel filter, empty fuel tank, clogged fuel line.	Ensure petcock is in "ON" or "RESERVE". Check fuel level. Clean or replace fuel filter. Inspect fuel line for kinks or blockages.
Fuel Flows Continuously (Even in "OFF")	Internal valve seal failure, debris preventing full closure.	This indicates a faulty petcock. The petcock should be replaced immediately to prevent fuel waste and fire hazard.

Problem	Possible Cause	Solution
Lever is Stiff or Hard to Move	Debris in the mechanism, internal corrosion.	Attempt to gently work the lever. If it remains stiff, the petcock may need to be disassembled for cleaning or replaced.

SUPPORT AND CONTACT INFORMATION

For any questions, concerns, or technical assistance regarding your Carbman 62129-75T Petcock Fuel Valve, please do not hesitate to contact us. Our customer support team is committed to providing timely assistance.

We aim to reply to all inquiries within 24 hours.

Manufacturer: Carbman

(Specific contact details such as email or phone number are not provided in the product data. Please refer to your purchase documentation or the seller's platform for direct contact methods.)



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This manual is for informational purposes only. Always exercise caution and follow safety guidelines when working with fuel systems.