

[Manuals.plus](#) /

› [Baldwin Filters](#) /

› Baldwin Filters BF939 Heavy Duty Fuel Filter Instruction Manual

Baldwin Filters BF939

Baldwin Filters BF939 Heavy Duty Fuel Filter

INSTRUCTION MANUAL

1. Overview

The Baldwin Filters BF939 is a heavy-duty spin-on fuel filter designed to protect your engine and mobile equipment from contaminants in the fuel system. This filter is engineered to provide efficient filtration, ensuring clean fuel delivery and optimal engine performance. It features a 7-micron rating for effective particle removal.



Image 1.1: Baldwin Filters BF939 Heavy Duty Fuel Filter. This image displays the cylindrical shape and threaded base of the BF939 filter, ready for spin-on installation.

2. Safety Information

Always prioritize safety when working with fuel systems. Fuel is flammable and can cause serious injury or property damage if not handled correctly. Ensure the engine is off and cool before beginning any work. Wear appropriate personal protective equipment, including gloves and eye protection.

Warning: This product may expose you to chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov.

- Disconnect the battery before working on electrical components near the fuel system.
- Relieve fuel system pressure according to the vehicle or equipment manufacturer's instructions.
- Contain any spilled fuel and dispose of it properly.
- Do not smoke or use open flames near the fuel system.

3. Setup and Installation

The Baldwin BF939 fuel filter is designed for easy spin-on installation. Follow these general steps, referring to your equipment's service manual for specific instructions:

1. **Preparation:** Ensure the engine is off and cool. Place a drain pan beneath the filter to catch any fuel spills.
2. **Remove Old Filter:** Use a suitable filter wrench to loosen and remove the old fuel filter. Be prepared for fuel to drain out.
3. **Clean Mounting Surface:** Thoroughly clean the filter mounting base on the engine to ensure a proper seal.
4. **Prepare New Filter:** Apply a thin film of clean fuel or engine oil to the new filter's gasket (G279-C I. Gasket, ES1001 F. Gasket). This helps ensure a good seal and easy removal next time.
5. **Install New Filter:** Thread the new BF939 filter onto the mounting base by hand until the gasket contacts the base. Then, tighten an additional 3/4 to 1 full turn, or as specified by the equipment manufacturer. Do not overtighten.
6. **Check for Leaks:** Start the engine and check for any fuel leaks around the filter. If leaks are present, shut off the engine immediately and re-check the installation.
7. **Bleed Air (if necessary):** Some fuel systems may require bleeding air after filter replacement. Consult your equipment's service manual for this procedure.

4. Operating Principles

Once installed, the Baldwin BF939 fuel filter operates continuously to remove harmful contaminants from the fuel before it reaches the engine's fuel injection system. Fuel enters the filter, passes through the filtration media, and exits as clean fuel. The 7-micron rating ensures that fine particles are captured, protecting sensitive engine components from wear and damage.

5. Maintenance

Regular replacement of the fuel filter is crucial for maintaining engine health and performance. The replacement interval for the BF939 filter will vary depending on the equipment type, operating conditions, and fuel quality. Always refer to your equipment manufacturer's recommended service schedule.

- **Inspection:** Periodically inspect the filter for signs of damage, leaks, or corrosion.
- **Replacement:** Replace the filter at the intervals specified by your equipment manufacturer or sooner if fuel flow issues or engine performance degradation are observed.
- **Disposal:** Dispose of used fuel filters and contaminated fuel according to local environmental regulations.

6. Troubleshooting

If you experience issues related to fuel delivery or engine performance after installing or during the use of the BF939 filter, consider the following:

- **Fuel Leaks:** Re-check the filter installation, ensuring the gasket is properly seated and the filter is tightened to the correct specification. Inspect the filter housing for cracks or damage.
- **Reduced Engine Power/Stalling:** A clogged fuel filter can restrict fuel flow. If the filter is old or operating in harsh conditions, it may require replacement.
- **Difficulty Starting:** Insufficient fuel pressure due to a restricted filter can cause starting problems.
- **Air in Fuel System:** Improper installation can introduce air into the fuel system, leading to rough running or stalling. Ensure all connections are tight and bleed the system if required by your equipment.

If troubleshooting steps do not resolve the issue, consult a qualified mechanic or your equipment's service manual.

7. Specifications

Part Number	BF939
-------------	-------

Brand	Baldwin Filters
Product Grade	Replacement Part
Style	Heavy Duty, Spin-on Fuel Filter
Micron Rating	7
Dimensions (Approximate)	4-13/16 inches (Height) x 3-7/16 inches (Outer Diameter) x 4-13/16 inches (Length)
Included Gaskets	G279-C I. Gasket, ES1001 F. Gasket
UPC	791440010390, 094706591467
Automotive Fit Type	Vehicle Specific Fit

8. Warranty and Support

For specific warranty information regarding the Baldwin Filters BF939, please refer to the official Baldwin Filters website or the documentation included with your purchase. Warranty terms and conditions may vary.

For technical support or further assistance, please contact Baldwin Filters customer service or consult an authorized dealer. Always provide the model number (BF939) and any relevant purchase information when seeking support.

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

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

