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Briggs & Stratton 691035

Briggs & Stratton 40 Micron Fuel Filter User Manual

Model: 691035

Product Overview

This manual provides essential information for the proper use and maintenance of your Briggs & Stratton 40 Micron Fuel Filter. This filter is designed to maintain fuel system health by straining out foreign particles before they reach the carburetor, ensuring optimal engine performance.
Key features include:

- For selected engines with fuel pump
- See-through fuel filter design
- Complete fuel filter assembly

Setup & Installation

Proper installation of the fuel filter is crucial for its effective operation and to prevent fuel system issues. Always refer to your engine's specific service manual for detailed instructions and safety precautions.

1. **Safety First:** Ensure the engine is cool and disconnected from any power source (e.g., spark plug wire removed). Work in a well-ventilated area.
2. **Locate Existing Filter:** Identify the current fuel filter in the fuel line between the fuel tank and the carburetor.
3. **Prepare for Fuel Spillage:** Place a suitable container under the fuel line to catch any spilled fuel. Use appropriate clamps to pinch off the fuel line on both sides of the filter to minimize spillage.
4. **Remove Old Filter:** Carefully remove the clamps holding the fuel line to the old filter. Disconnect the fuel lines from the old filter.
5. **Install New Filter:** Connect the fuel lines to the new Briggs & Stratton 40 Micron Fuel Filter. Ensure the arrow on the filter points in the direction of fuel flow (towards the carburetor). Secure the fuel lines with new clamps if necessary to prevent leaks.
6. **Check for Leaks:** Reconnect the spark plug wire. Turn on the fuel supply and check for any leaks around the newly installed filter.
7. **Start Engine:** Start the engine and allow it to run for a few minutes, rechecking for leaks.



Figure 1: The Briggs & Stratton 40 Micron Fuel Filter. Note the clear casing allowing visual inspection of the filter element and the directional arrow for correct installation.

Operating Principles

The 40 Micron Fuel Filter operates by physically trapping contaminants present in the fuel before they can reach sensitive engine components like the carburetor. The "40 micron" rating indicates that the filter is designed to capture particles 40 micrometers (0.04 mm) or larger in size. This helps prevent clogging and wear, ensuring a consistent and clean fuel supply to the engine.

The transparent housing allows for visual inspection of the filter element. A visible accumulation of debris or a change in fuel flow through the filter indicates it may be nearing the end of its service life and requires replacement.

Maintenance

Regular inspection and timely replacement of the fuel filter are essential for the longevity and performance of your engine. A clogged fuel filter can lead to reduced engine power, rough running, or even complete engine failure.

Inspection Schedule

- Inspect the fuel filter visually before each use or at least once per season.
- Look for discoloration, visible debris, or reduced fuel flow through the filter.

Replacement

- Replace the fuel filter annually or more frequently if operating in dusty conditions or if fuel quality is questionable.
- Follow the installation steps outlined in the "Setup & Installation" section for replacement.

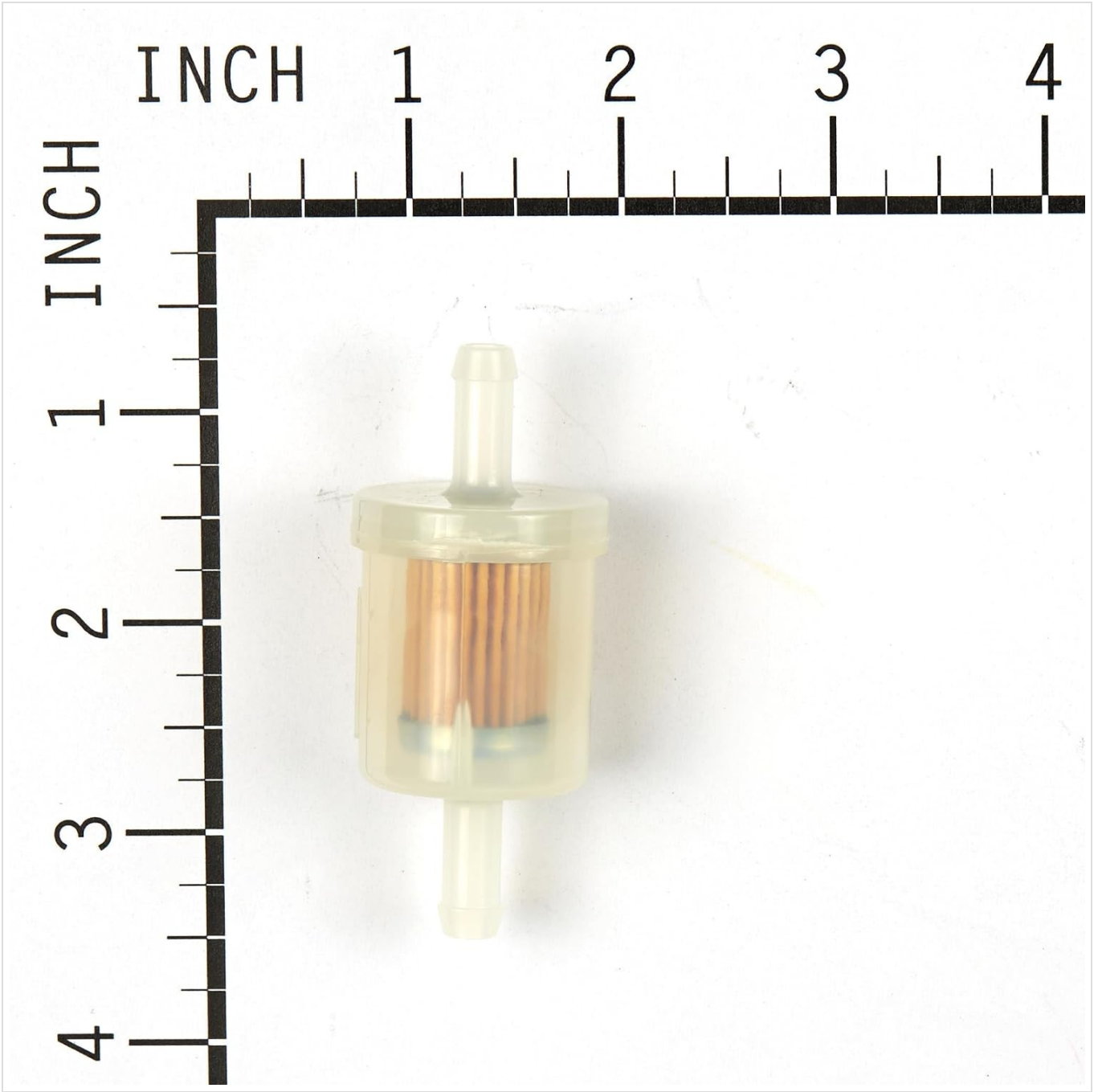

INCH 1 2 3 4
INCH 1 2 3 4



Figure 2: Views of the fuel filter with measurement grids, illustrating its compact size and design for easy integration into fuel lines. The clear housing allows for quick visual checks of the filter's condition.

Troubleshooting

If you experience issues with your engine's fuel system, the fuel filter is often a primary suspect. Here are common symptoms and potential solutions related to the fuel filter:

Symptom	Possible Cause	Solution
Engine runs rough or stalls	Clogged fuel filter, restricting fuel flow.	Inspect filter for debris. Replace if clogged.
Engine lacks power	Partially clogged fuel filter.	Replace fuel filter.
Engine won't start	Completely clogged fuel filter, no fuel reaching carburetor.	Replace fuel filter. Check fuel lines for blockages.

Symptom	Possible Cause	Solution
Fuel leak around filter	Improperly installed clamps or damaged fuel line/filter.	Ensure clamps are secure. Inspect fuel lines and filter for cracks or damage. Replace damaged components.

If troubleshooting steps do not resolve the issue, consult a qualified service technician or refer to your engine's comprehensive service manual.

Specifications

Detailed specifications for the Briggs & Stratton 40 Micron Fuel Filter:

- **Model Number:** 691035
- **Filter Type:** 40 Micron Fuel Filter
- **Compatibility:** Designed for selected engines with fuel pumps.
- **Material:** Clear plastic housing for visual inspection.
- **Dimensions:** Compact design, approximately 2.5 inches in length.
- **Part Number (OEM):** 691035
- **UPC:** 024847237948
- **Item Weight:** 0.32 ounces

Warranty & Support

For specific warranty information regarding your Briggs & Stratton 40 Micron Fuel Filter, please refer to the documentation provided with your engine or contact Briggs & Stratton customer support directly. Warranty terms may vary based on the product and region.

For technical assistance or further inquiries, please visit the official Briggs & Stratton website or contact their customer service department. You can often find support resources, FAQs, and contact information on their official brand page or through the link provided on the product's retail page.

Briggs & Stratton Official Website: www.briggsandstratton.com

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