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Briggs & Stratton 08P502-0011-H1

Briggs & Stratton Foam Air Filter Instruction Manual

For 450e, 500e, 550e, 575ex Series Engines (Model 08P502-0011-H1)

Introduction

This manual provides essential instructions for the installation, maintenance, and troubleshooting of your Briggs & Stratton foam air filter. This filter is designed for use with Briggs & Stratton 450e, 500e, 550e, and 575ex series engines, commonly found in lawn mowers, tillers, and other outdoor power equipment.
Regular inspection and maintenance of your air filter are crucial for optimal engine performance and longevity. Please read these instructions carefully before proceeding with installation or maintenance.

Compatibility

This foam air filter is compatible with Briggs & Stratton engines in the 450e, 500e, 550e, and 575ex series. It is also suitable for various lawn mowers and tillers from brands such as BEAUX JOURS, BRIGGS&STRATTON, GREATLAND, INVENTIV, MAC ALLISTER, SENTAR, and VERCIEL. Specific compatible engine references include, but are not limited to: 08P502-0011-H1, 08P502-0038-H1-450E Series, 08P502-0038-H5, 08P502-0041-H1, 08P502-0051-H5, 08P502-0081-H1, 08P602-0012-H5, 08P602-0022-H5, 08P602-0023-H5, 09P602-0022-H1, 09P602-0074-H1, 09P602-0080-H1, 09P602-0128-H5, 09P702-0054-H1, 09P702-0107-H1, 09P702-0131-H1, 09P702-0246-H5, 09P802-0003-H5, and other models listed in the product description.

Installation (Setup)

Proper installation of the air filter is vital for protecting your engine from dust and debris. Always ensure the engine is turned off and cool before beginning any maintenance.

1. **Locate the Air Filter Housing:** The air filter housing is typically a plastic or metal cover located on the side of the engine.
2. **Remove the Cover:** Unclip or unscrew the fasteners holding the air filter cover in place and carefully remove it.
3. **Remove the Old Filter:** Take out the old foam air filter. Note its orientation for correct installation of the new filter.
4. **Clean the Housing:** Inspect the air filter housing for any dirt or debris. Clean it thoroughly with a damp cloth, ensuring no debris falls into the carburetor intake.

5. **Install the New Filter:** Place the new Briggs & Stratton foam air filter into the housing, ensuring it fits snugly and is correctly seated. The filter should cover the intake opening completely.
6. **Reattach the Cover:** Replace the air filter cover and secure it with the clips or screws. Ensure it is tightly sealed to prevent unfiltered air from entering the engine.

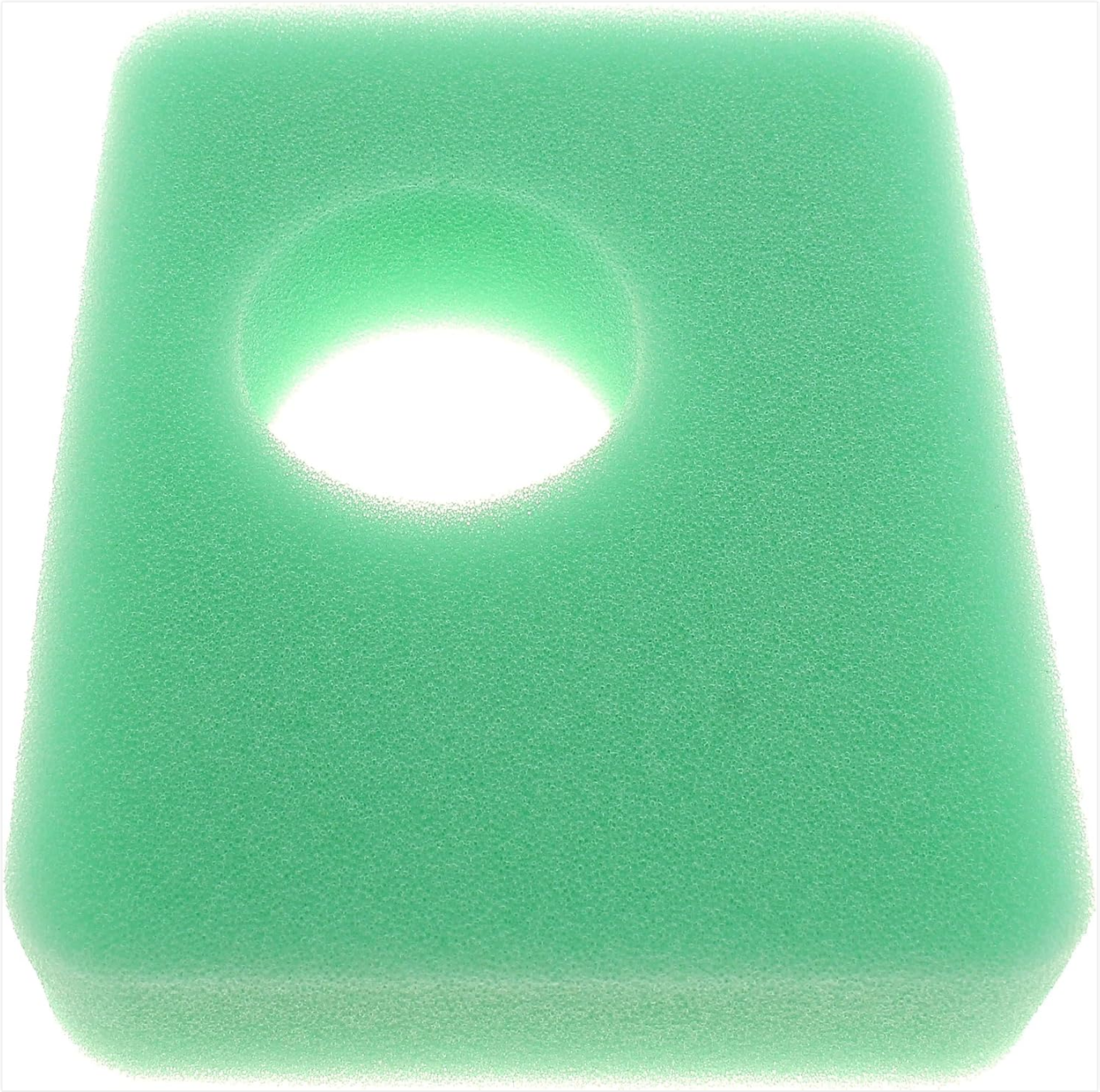

Image 1: A green rectangular foam air filter with a circular hole in the center, designed for Briggs & Stratton engines. This image illustrates the appearance of the replacement filter.

Maintenance

Regular maintenance of your foam air filter is essential for maintaining engine efficiency and preventing damage. A dirty air filter can restrict airflow, leading to reduced power and increased fuel consumption.

- **Inspection Frequency:** Inspect the air filter every 25 hours of operation or at least once per season, whichever comes first. In dusty conditions, inspect more frequently.
- **Cleaning the Foam Filter:**
  a. Remove the foam filter as described in the "Installation" section.

b. Wash the foam filter in warm water with a mild detergent.
c. Rinse thoroughly until all soap residue is gone.
d. Squeeze out excess water and allow the filter to air dry completely. Do not wring or twist the filter, as this can damage the foam.
e. Lightly oil the dry foam filter with Briggs & Stratton foam filter oil or clean engine oil. Squeeze out excess oil.
f. Reinstall the oiled foam filter.

- **Replacement:** Replace the foam air filter annually or if it shows signs of damage, tearing, or excessive wear, even after cleaning.

Troubleshooting

If your engine is experiencing performance issues, the air filter may be a contributing factor. Here are some common problems and solutions related to the air filter:

Problem	Possible Cause	Solution
Engine runs rough or stalls	Clogged or dirty air filter	Clean or replace the air filter.
Loss of engine power	Restricted airflow due to dirty filter	Inspect, clean, or replace the air filter.
Increased fuel consumption	Engine working harder due to restricted airflow	Ensure air filter is clean and properly installed.
Engine difficult to start	Severely clogged air filter	Replace the air filter.

If these steps do not resolve the issue, consult your engine's specific service manual or contact a qualified service technician.

Specifications

- **Brand:** Briggs & Stratton
- **Model Number:** 08P502-0011-H1
- **Type:** Foam Air Filter
- **Dimensions:** 108mm x 84mm
- **Compatibility:** Briggs & Stratton 450e, 500e, 550e, 575ex series engines
- **Part Category:** Performance Part / Replacement Part

Note: Always verify compatibility with your specific engine model.

Warranty and Support

For information regarding product warranty, technical support, or replacement parts, please refer to the official Briggs & Stratton website or contact their customer service directly. Keep your purchase receipt for warranty claims.

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