Briggs & Stratton 591546

Briggs & Stratton 591546 Air Cleaner Instruction Manual

Genuine OEM Replacement Part

1. Introduction

This manual provides essential information for the proper installation, maintenance, and understanding of your Briggs & Stratton 591546 Air Cleaner. This air cleaner is a genuine Original Equipment Manufacturer (OEM) part designed to ensure optimal performance and longevity of your outdoor power equipment engine.

The air cleaner plays a critical role in protecting your engine from harmful debris and dust, ensuring a clean air supply for combustion. Regular inspection and replacement are vital for maintaining engine efficiency and preventing costly damage.

This part replaces older Briggs & Stratton part numbers: 794785, 790959, 697061, 695385, 794768, and 695384.

Official Briggs & Stratton Logo

2. Setup and Installation

Proper installation of the air cleaner is crucial for engine protection. Always ensure the engine is off and cool before beginning any maintenance.

1. **Safety First:** Turn off the engine and allow it to cool completely. Disconnect the spark plug wire to prevent accidental starting.
2. **Locate Air Cleaner Assembly:** Identify the existing air cleaner housing on your engine.
3. **Remove Cover:** Unlatch or unscrew the air cleaner cover to expose the old filter element.
4. **Remove Old Filter:** Carefully remove the old air filter element. Note its orientation for correct installation of the new filter.
5. **Clean Housing:** Inspect the air cleaner housing for any debris or dirt. Clean it thoroughly before installing the new filter.
6. **Install New Air Cleaner:** Place the new Briggs & Stratton 591546 Air Cleaner into the housing, ensuring it seats properly and securely.
7. **Replace Cover:** Reattach the air cleaner cover, ensuring all latches or screws are tightened to create a proper seal.
8. **Reconnect Spark Plug:** Reconnect the spark plug wire.



Image of the Briggs & Stratton 591546 Air Cleaner, showing its dimensions and overall design.

Packaging for the Briggs & Stratton 591546 Air Cleaner, displaying the part number and UPC (0024847000184).

3. Operating Principles

The Briggs & Stratton 591546 Air Cleaner functions by filtering incoming air before it enters the engine's carburetor or fuel injection system. As the engine operates, it draws air through the filter element, which traps dust, dirt, and other airborne particles. This process ensures that only clean air reaches the combustion chamber, preventing abrasive wear on internal engine components and maintaining optimal fuel-air mixture for efficient operation.

4. Maintenance

Regular maintenance of your air cleaner is essential for engine health and performance. The Briggs & Stratton 591546 is a paper filter element designed for replacement, not cleaning.

- **Inspection:** Inspect the air cleaner element every 25 operating hours or annually, whichever comes first. More frequent inspection may be necessary in dusty conditions.
- **Replacement:** Replace the air cleaner element if it appears dirty, clogged, or damaged. A dirty filter restricts airflow, leading to reduced engine performance and increased fuel consumption.
- **Housing Seal:** Ensure the air cleaner housing and cover form a tight seal after replacement to prevent unfiltered air from entering the engine.

5. Troubleshooting

If you experience any of the following issues, your air cleaner may require inspection or replacement:

- **Reduced Engine Power:** A clogged air filter restricts airflow, causing the engine to struggle and lose power.
- **Increased Fuel Consumption:** An engine working harder due to restricted airflow will consume more fuel.
- **Black Smoke from Exhaust:** This can indicate an overly rich fuel mixture, often caused by insufficient air due to a dirty filter.
- **Engine Misfires or Runs Rough:** Inconsistent airflow can lead to poor combustion.

Solution: If any of these symptoms occur, inspect your Briggs & Stratton 591546 Air Cleaner. If it is dirty, clogged, or damaged, replace it immediately following the installation steps outlined in Section 2.

6. Specifications

Specification	Detail
Model Number	591546
OEM Part Number	591546
Replaces Part Numbers	794785, 790959, 697061, 695385, 794768, 695384
Brand	Briggs & Stratton
Product Grade	Replacement Part
Item Weight	2.5 Pounds
Unit Count	1 Count
GTIN / UPC	0024847000184

7. Warranty and Support

As a genuine Briggs & Stratton part, this air cleaner is manufactured to high-quality standards. For specific warranty information or technical support regarding your Briggs & Stratton engine or replacement parts, please refer to the documentation provided with your engine or visit the official Briggs & Stratton website.

You can also visit the Briggs & Stratton Store on Amazon for more products and information.

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