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Briggs & Stratton 356447-0080-G1

Briggs & Stratton Vanguard 570cc 18 HP Gas Engine

Model: 356447-0080-G1

PRODUCT OVERVIEW

The Briggs & Stratton Vanguard 570cc 18 HP Gas Engine (Model 356447-0080-G1) is a robust and reliable power unit designed for various outdoor power equipment applications. This engine features an Overhead Valve (OHV) design, a durable Dura-Bore Cast Iron Cylinder Sleeve, and full pressure lubrication with a spin-on oil filter for enhanced longevity and performance. It is equipped with an electric start system and a 16 Amp alternator.

Key features include:

- 570cc Engine Displacement
- Advanced Debris Management system
- Full Pressure Lubrication with Spin-On Oil Filter
- Integrated Oil Cooler
- Electric Start capability



An overhead view of the Briggs & Stratton Vanguard 570cc 18 HP Gas Engine, showcasing its red and black casing, air filter housing, and various controls. This image highlights the compact design and key components of the engine.

SETUP AND INSTALLATION

Before operating the engine, ensure proper installation and initial setup. This engine is designed for horizontal mounting.

Initial Fluid Levels

- **Oil:** The engine requires approximately 46-48 oz of Synthetic 5W-30 oil. Fill to the appropriate level as indicated on the dipstick.
- **Fuel:** Fill the fuel tank with fresh, clean gasoline suitable for small engines.

Component Installation

- **Muffler:** Please note that a muffler is *not included* with this engine. A suitable muffler must be purchased and installed separately for safe and proper operation.

- **Key Switch and Solenoid:** Connect the provided key switch and solenoid according to the wiring diagram for your specific application.
- **Throttle Lever:** The engine includes a manual throttle lever. Ensure it is properly connected and moves freely between 'SLOW' and 'FAST' positions.
- **Oil Filter:** This model features a vertical angled oil filter bracket. Ensure the spin-on oil filter is securely installed.

This engine is **Electric Start only** and does not include a recoil starter mechanism.

OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of your Briggs & Stratton Vanguard engine.

Starting the Engine

1. Ensure the engine has adequate oil and fuel.
2. Set the choke lever to the 'CHOKE' position if the engine is cold.
3. Set the throttle lever to the 'FAST' position.
4. Insert the key into the key switch and turn it to the 'START' position. Release the key once the engine starts.
5. Once the engine warms up, gradually move the choke lever to the 'RUN' position.

Stopping the Engine

To stop the engine, turn the key in the key switch to the 'OFF' position.

Throttle Control

The manual throttle lever allows you to adjust engine speed. Move the lever towards 'FAST' for higher RPMs and towards 'SLOW' for lower RPMs. Always operate the engine at the appropriate speed for the task at hand.

MAINTENANCE SCHEDULE

Regular maintenance is crucial for the longevity and optimal performance of your Vanguard engine. Adhere to the following schedule:

Maintenance Item	Frequency
Check Oil Level	Before each use
Check & Clean Air Cleaner	Every 25 hours or annually
Change Oil (Synthetic 5W-30)	Every 50 hours or annually
Replace Oil Filter	Every 100 hours or annually
Clean Cooling Fins	Every 100 hours or annually
Inspect Spark Plug	Annually
Inspect Fuel Filter	Annually

Always refer to the comprehensive operating and maintenance manual for detailed instructions on each procedure.

TROUBLESHOOTING

This section provides general guidance for common issues. For complex problems, it is recommended to consult a certified service technician or Briggs & Stratton customer support.

Engine Does Not Start

- **Check Fuel Level:** Ensure there is sufficient fuel in the tank.
- **Check Oil Level:** Low oil can prevent the engine from starting due to safety cut-off.
- **Battery:** Verify the battery for the electric start is charged and connections are secure.
- **Spark Plug:** Inspect the spark plug for fouling or damage.
- **Choke Position:** Ensure the choke is set correctly for a cold start.

Engine Runs Poorly

- **Air Filter:** A dirty air filter can restrict airflow. Clean or replace as needed.
- **Fuel Quality:** Stale or contaminated fuel can cause poor performance. Use fresh fuel.
- **Spark Plug:** A worn or improperly gapped spark plug can affect combustion.

SPECIFICATIONS

Attribute	Detail
Manufacturer	Briggs & Stratton
Model Number	356447-0080-G1
Engine Displacement	570cc
Horsepower (HP)	18 HP
Valve Type	Overhead Valve (OHV)
Bore Type	Sleeved Bore (Cast Iron)
Mounting	Horizontal
Starter Type	Electric Start only
Alternator	16 Amp
Oil Capacity	46-48 oz
Recommended Oil Type	Synthetic 5W-30
Fuel Pump	Yes
Shaft Size	1" Diameter x 2-29/32" Length

Attribute	Detail
Muffler	Not Included
Throttle Type	Manual
Choke Type	Manual
Engine Length	14.5"
Engine Height	17.25"
Engine Width	18"
Item Weight	94.7 pounds
Product Dimensions (Shipping)	48 x 48 x 48 inches
Material	Cast Iron
Country of Manufacture	United States

Note: Gross power rating is measured in accordance with SAE J1995 at 3600 rpm (without muffler and air filter). Actual power output may vary.

WARRANTY INFORMATION

This Briggs & Stratton Vanguard engine comes with a **3-Year Manufacturer's Warranty**. This warranty covers defects in materials and workmanship under normal use and service. Please retain your proof of purchase for warranty claims. For full details regarding warranty terms, conditions, and exclusions, please refer to the official warranty statement provided with your engine or visit the Briggs & Stratton official website.

CUSTOMER SUPPORT

For technical assistance, parts inquiries, or service, please contact Briggs & Stratton customer support. You can find contact information and a network of authorized service dealers on the official Briggs & Stratton website.

Online Resources: Visit the official Briggs & Stratton website for additional manuals, FAQs, and support resources.

No official product videos were found for this model from the seller.