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Briggs & Stratton 130G37-0183-F1

Briggs & Stratton 900 Series Engine Instruction Manual

Model: 130G37-0183-F1

INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Briggs & Stratton 900 Series Engine. Please read this manual thoroughly before operating the engine and keep it for future reference. Proper care and adherence to these instructions will ensure optimal performance and longevity of your engine.



Image: Front-left view of the Briggs & Stratton 900 Series Engine, showcasing its compact design and key components.

IMPORTANT SAFETY INFORMATION

Your safety and the safety of others are very important. This engine can cause serious injury if not operated correctly. Always follow these safety guidelines:

- **Read the Manual:** Always read and understand the complete operating instructions before starting or servicing the engine.
- **Fuel Safety:** Gasoline is flammable. Allow the engine to cool for at least 2 minutes before refueling. Refuel in a well-ventilated area.
- **Ventilation:** Do not run the engine in an enclosed area to prevent carbon monoxide poisoning.
- **Hot Surfaces:** Engine parts can become very hot during operation. Do not touch hot parts to avoid burns.
- **Proposition 65 Warning:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.



Image: Side view of the engine displaying important warning labels regarding fuel handling and hot surfaces. Always observe these warnings.

SETUP AND INSTALLATION

Unpacking

Carefully remove the engine from its packaging. Inspect for any signs of shipping damage. Retain all packaging materials until you have confirmed the engine is in good working order.



Image: The Briggs & Stratton engine shipping box, indicating proper handling and product information.

Initial Checks

- Verify that all components listed in the packing list are present.
- Check for any loose fasteners or connections.
- Ensure the engine is securely mounted to a stable surface before operation.

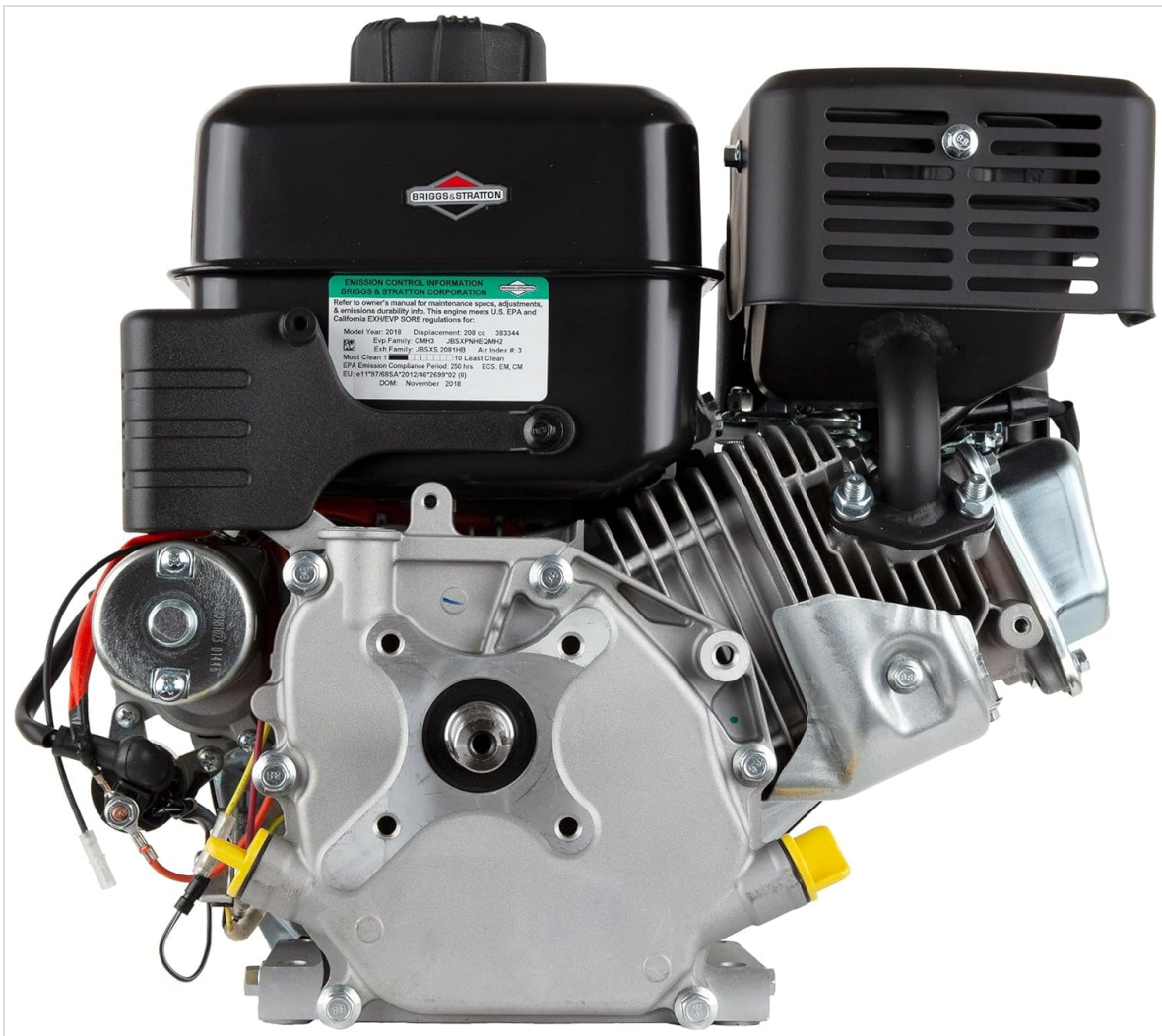


Image: Bottom view of the engine, highlighting the mounting points and the crankshaft for proper installation.

Fuel and Oil

Before starting, fill the engine with the recommended type and amount of oil and fresh, clean gasoline. Refer to the engine's oil fill cap and fuel tank for specific requirements. Do not overfill.

OPERATING THE ENGINE

Starting the Engine

1. Ensure the engine is on a level surface.
2. Open the fuel valve (if equipped).
3. Move the choke lever to the 'FULL CHOKE' position for cold starts.
4. Set the throttle to the 'FAST' position.
5. Grasp the starter rope handle firmly and pull slowly until resistance is felt, then pull rapidly.
6. Once the engine starts, gradually move the choke lever to the 'RUN' position.

Stopping the Engine

1. Move the throttle lever to the 'SLOW' or 'IDLE' position.
2. Move the engine switch to the 'OFF' position.
3. Close the fuel valve (if equipped) for storage.

Engine Features

- **Dura-Bore Cast Iron Cylinder Sleeve:** Provides extended engine life and durability.
- **Float Feed Carburetor:** Designed for consistent, easy starts.
- **Maintenance-Free Magnatron Electronic Ignition:** Ensures quick and dependable starts.
- **Overhead Valve Design (OHV):** Contributes to cooler operation and longer valve life.
- **Mechanical Governor:** Regulates engine speed for consistent power output.



Image: Side view of the engine, highlighting the Overhead Valve (OHV) cover and the carburetor assembly, crucial for fuel delivery and engine performance.

MAINTENANCE

Regular maintenance is crucial for the performance and longevity of your Briggs & Stratton engine. Always refer to the full owner's manual for detailed maintenance schedules and procedures.

Oil Changes

Check the oil level before each use. Change the engine oil after the first 5 hours of operation, then every 50 hours or annually, whichever comes first. Use the recommended oil type and viscosity.

Air Filter

Inspect the air filter every 25 hours or annually. Clean or replace the air filter more frequently in dusty conditions. A dirty air filter can reduce engine performance and life.

Spark Plug

Inspect the spark plug annually or every 100 hours. Clean or replace if necessary. Ensure the gap is set correctly according to specifications.

Storage

For long-term storage (over 30 days), add a fuel stabilizer to the gasoline or drain the fuel system completely. Clean the engine exterior, change the oil, and remove the spark plug to add a small amount of oil into the cylinder before reinstalling.



Image: Top view of the engine, showing the fuel cap and the air filter cover, both critical access points for routine maintenance.

TROUBLESHOOTING COMMON ISSUES

This section provides solutions for common operational problems. For more complex issues, consult a qualified service technician.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Engine will not start	No fuel, stale fuel, incorrect choke setting, fouled spark plug, low oil level.	Check fuel level, replace stale fuel, adjust choke, clean/replace spark plug, add oil.
Engine runs rough	Dirty air filter, stale fuel, incorrect spark plug gap, carburetor issues.	Clean/replace air filter, replace fuel, check/adjust spark plug gap, clean carburetor.
Engine lacks power	Dirty air filter, incorrect throttle setting, engine overload.	Clean/replace air filter, adjust throttle, reduce load on engine.

TECHNICAL SPECIFICATIONS

- **Brand:** Briggs & Stratton
- **Model Name:** Briggs and Stratton 900 Series Engine
- **Model Number:** 130G37-0183-F1
- **Speed:** 3600 RPM
- **Voltage:** 12 Volts (DC)
- **Horsepower:** 6.5 Horsepower
- **Product Dimensions:** 48"W x 48"H
- **Material:** Cast Iron
- **Item Weight:** 47.6 pounds
- **UPC:** 047282137017

WARRANTY INFORMATION

The Briggs & Stratton 900 Series Engine comes with a two-year limited consumer engine warranty. This warranty covers defects in material and workmanship under normal use and service. For complete details regarding coverage, limitations, and how to make a claim, please refer to the official warranty document included with your purchase or visit the Briggs & Stratton website.

SUPPORT AND CONTACT

If you require further assistance, have questions not covered in this manual, or need to locate an authorized service dealer, please contact Briggs & Stratton customer support. You can find more information and support resources on the official Briggs & Stratton website: [Visit the Briggs & Stratton Store](#).