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## Briggs & Stratton 130G52-0182-F1

# Briggs & Stratton 950 Series 208cc Single Cylinder Engine Instruction Manual

Model: 130G52-0182-F1

## INTRODUCTION

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This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Briggs & Stratton 950 Series 208cc Single Cylinder Engine. This genuine Briggs & Stratton engine is designed to provide dependable power for various equipment needs.

It features a power rating of 9.50 gross torque, a premium Dual Clean air filtration system, and maintenance-free Magnetron electronic ignition. The engine also includes a Dura-Bore cast iron cylinder sleeve for extended life, an installed muffler, and a fuel tank.

## SAFETY INFORMATION

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### WARNING:

- Always read and understand the entire instruction manual before operating the engine.
- Ensure the engine is installed in a well-ventilated area to prevent carbon monoxide buildup. Carbon monoxide is a colorless, odorless, poisonous gas.
- Keep hands, feet, and clothing away from moving parts.
- Allow the engine to cool before performing any maintenance or refueling. Hot surfaces can cause burns.
- Fuel is highly flammable. Refuel in a well-ventilated area with the engine off and cool. Do not smoke while refueling.
- Wear appropriate personal protective equipment (PPE) such as safety glasses and gloves during operation and maintenance.
- This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

## SETUP

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### Unpacking and Inspection

Carefully remove the engine from its packaging. Inspect for any signs of shipping damage. If damage is found, contact your dealer immediately.



Image: The Briggs & Stratton engine as it appears in its original cardboard packaging, indicating careful handling during unpacking.

## Mounting the Engine

Mount the engine securely to a stable, level surface using appropriate hardware. Ensure proper alignment with the driven equipment. Refer to your equipment's manual for specific mounting instructions.

## Adding Engine Oil

Before first use, fill the engine with the recommended type and amount of oil. Locate the oil fill cap/dipstick and fill to the 'FULL' mark on the dipstick. Do not overfill.



Image: A side view of the engine highlighting the oil fill cap and dipstick, crucial for proper oil level checks and filling.

## Adding Fuel

Fill the fuel tank with fresh, clean, unleaded gasoline. Do not use E85 or unapproved fuel types. Ensure the fuel cap is securely tightened after filling.



Image: A top-down view of the engine, clearly showing the fuel tank cap for refueling.

## OPERATION

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### Starting the Engine

1. Ensure the fuel valve is in the 'ON' position.
2. Move the choke lever to the 'CHOKE' position (for cold starts).
3. Move the throttle lever to the 'FAST' position.
4. Pull the starter rope firmly and smoothly until the engine starts.
5. Once the engine starts, gradually move the choke lever to the 'RUN' position.



Image: A front view of the engine, illustrating the location of the choke and throttle controls for starting and operating.

## Stopping the Engine

To stop the engine, move the throttle lever to the 'STOP' or 'OFF' position. If equipped, turn the ignition switch to 'OFF'.

## Operating Tips

- Do not operate the engine in an enclosed area.
- Avoid running the engine at excessively high or low RPMs for extended periods.
- Regularly check oil levels during extended operation.

## MAINTENANCE

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Regular maintenance is crucial for the longevity and optimal performance of your Briggs & Stratton engine.

## Maintenance Schedule

Service Item	Frequency
Check Engine Oil Level	Before each use
Clean Air Filter	Every 25 hours or annually (more often in dusty conditions)
Change Engine Oil	First 5 hours, then every 50 hours or annually
Check Spark Plug	Every 100 hours or annually
Clean Cooling Fins	Every 100 hours or annually

## Air Filter Maintenance

The engine features a premium Dual Clean air filtration system with a standard pre-cleaner. Regularly inspect and clean the air filter element. Replace if damaged or excessively dirty.



Image: An overall view of the engine, with the air filter housing prominently visible on the left side, indicating its location for maintenance.

## Oil Change Procedure

1. Run the engine for a few minutes to warm the oil.
2. Place a suitable container under the oil drain plug.
3. Remove the oil drain plug and allow the oil to drain completely.
4. Reinstall the drain plug and refill with the recommended oil type and quantity.
5. Check the oil level with the dipstick.

## TROUBLESHOOTING

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This section provides solutions to common issues you might encounter with your engine.

### Engine Does Not Start

- **No Fuel:** Check fuel tank level.
- **Stale Fuel:** Drain old fuel and refill with fresh gasoline.
- **Choke Position:** Ensure choke is in the correct position for starting (fully choked for cold, partially for warm).
- **Spark Plug:** Inspect spark plug for fouling or damage. Clean or replace if necessary.
- **Low Oil:** Check oil level. Some engines have a low oil shutdown feature.

### Engine Runs Poorly / Lacks Power

- **Dirty Air Filter:** Clean or replace the air filter.
- **Stale Fuel:** Use fresh fuel.
- **Spark Plug:** Check spark plug condition and gap.
- **Carburetor Issues:** If problems persist, the carburetor may need cleaning or adjustment by a qualified technician.

## SPECIFICATIONS

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Attribute	Value
Model Number	130G52-0182-F1
Engine Type	Single Cylinder, 4-Stroke
Displacement	208cc
Gross Torque	9.50 ft-lbs
Crankshaft Dimensions	3/4" x 2-27/64"
Ignition System	Magnetron Electronic Ignition
Air Filtration	Dual Clean with Pre-cleaner
Cylinder Sleeve	Dura-Bore Cast Iron
Product Dimensions	18.5 x 16.88 x 16.88 inches
Item Weight	49.4 pounds

### Manufacturer's Limited Warranty

Briggs & Stratton provides a limited warranty for this engine:

- **Consumer Use:** 2 years
- **Commercial Use:** 90 days

For detailed warranty terms and conditions, please refer to the official Briggs & Stratton warranty statement or visit their website.

### Customer Support

For technical assistance, parts, or service, please contact Briggs & Stratton customer support or visit their official website. You can often find authorized service centers using the model number of your engine.

**Online Resources:** [www.briggsandstratton.com](http://www.briggsandstratton.com)

