Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

Briggs & Stratton 9P602-0139

Briggs & Stratton 140cc Vertical Shaft Engine User Manual

Model: 9P602-0139

Introduction

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Briggs & Stratton 140cc Vertical Shaft Engine, model 9P602-0139. This engine is specifically designed for use with push mowers. Please read this manual thoroughly before operating the engine to ensure proper use and to prevent injury or damage.

Safety Information

Always prioritize safety when working with internal combustion engines. Failure to follow these instructions may result in serious injury or death.

- **Carbon Monoxide Hazard:** Engine exhaust contains carbon monoxide, a colorless, odorless, poisonous gas. Do not run the engine in enclosed areas. Ensure adequate ventilation.
- **Fire Hazard:** Gasoline is highly flammable. Store fuel in approved containers in a well-ventilated area away from ignition sources. Do not refuel a hot engine.
- **Hot Surfaces:** Engine components, especially the muffler, become very hot during operation and remain hot for a period after shutdown. Avoid contact to prevent burns.
- **Moving Parts:** Keep hands, feet, and clothing away from moving parts such as the flywheel, crankshaft, and fan.
- **Eye Protection:** Always wear appropriate eye protection when operating or servicing the engine.
- **Read Manual:** Read and understand the entire engine and equipment manual before operation.



Image: Top view of the Briggs & Stratton 140cc engine, highlighting the warning labels regarding carbon monoxide and hot surfaces. The fuel tank cap and air filter housing are visible.

Product Overview

The Briggs & Stratton 9P602-0139 is a 140cc vertical shaft engine designed for push mower applications. It features a 7/8" x 3-5/32" keyed crankshaft and an integrated flywheel brake system.



Image: Front view of the Briggs & Stratton 140cc vertical shaft engine. The black engine cover with the Briggs & Stratton logo is prominent, along with the silver muffler on the side.



Image: Side view of the Briggs & Stratton 140cc engine, illustrating the vertical crankshaft extending from the bottom of the engine, designed for vertical shaft applications like push mowers.

Setup and Installation

Proper installation is crucial for engine performance and safety. This engine is designed for push mowers only.

Mounting the Engine

1. **Preparation:** Ensure the mower deck is clean and free of debris.
2. **Mounting Holes:** The engine's mounting holes are drilled but not threaded. You will need to use nuts and bolts or self-tapping bolts from your existing equipment to secure the engine to the mower deck.
3. **Shaft Measurement:** Ensure correct vertical shaft measurement for proper fitment. Refer to the diagram below.
4. **Secure Fasteners:** Tighten all mounting bolts securely to prevent vibration and ensure stability.

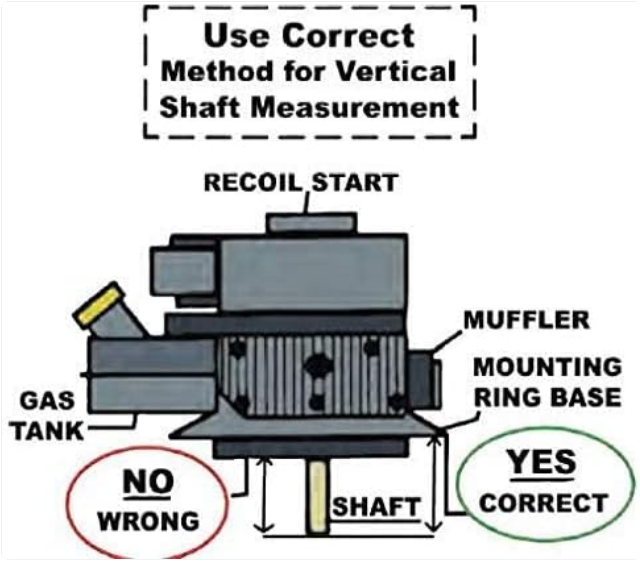

Image: Diagram showing the correct way to measure a vertical shaft engine. The measurement should be taken from the mounting ring base to the end of the shaft, not from the top of the engine.

Initial Fluid Levels

- **Engine Oil:** This engine ships without oil. Fill the crankcase with the recommended type and amount of engine oil. Refer to the engine's oil fill cap or dipstick for specifications.
- **Fuel:** Fill the fuel tank with fresh, clean, unleaded gasoline. Do not use E85 or other non-approved fuels.

Operating Instructions

Follow these steps to start and operate your engine safely.

Starting the Engine

1. **Check Fluids:** Verify engine oil and fuel levels are adequate.
2. **Flywheel Brake:** Ensure the flywheel brake is released. This engine has a flywheel brake system designed for push mowers. The brake must be disengaged for the engine to start and run.
3. **Prime (if applicable):** Some engines may have a primer bulb. Press it 3-5 times if present.
4. **Choke:** Move the choke lever to the "CHOKE" position for cold starts.
5. **Throttle:** Set the throttle to the "FAST" position.
6. **Pull Start:** Grasp the starter rope handle firmly. Pull the rope slowly until resistance is felt, then pull quickly and smoothly to start the engine. Repeat if necessary.
7. **Warm-up:** Once the engine starts, gradually move the choke lever to the "RUN" position as the engine warms up.

Stopping the Engine

To stop the engine, engage the flywheel brake or move the engine's stop switch to the "OFF" position.

Maintenance

Regular maintenance ensures optimal performance and extends engine life. Always refer to the full engine manual for detailed maintenance schedules.

Routine Checks

- **Before Each Use:** Check engine oil level. Inspect air filter for dirt. Check for loose fasteners or leaks.

- **Every 25 Hours or Annually:** Change engine oil. Clean or replace air filter. Inspect spark plug.
- **Every 50 Hours or Annually:** Clean cooling fins. Inspect fuel lines.

Storage

For extended storage (30 days or more), prepare the engine to prevent fuel system issues and corrosion.

- Add fuel stabilizer to the fuel tank and run the engine for a few minutes to circulate.
- Drain the fuel system or run the engine until it runs out of fuel.
- Change the engine oil.
- Remove the spark plug and pour a small amount of engine oil into the cylinder. Pull the starter rope slowly a few times to distribute the oil, then reinstall the spark plug.
- Clean the engine exterior.
- Store in a clean, dry area.

Troubleshooting

This section provides solutions to common engine problems.

Problem	Possible Cause	Solution
Engine will not start	No fuel or stale fuel Flywheel brake engaged Dirty spark plug Clogged air filter	Add fresh fuel Release flywheel brake Clean/replace spark plug Clean/replace air filter
Engine runs rough	Dirty air filter Stale fuel Incorrect spark plug gap	Clean/replace air filter Drain and refill with fresh fuel Adjust/replace spark plug
Engine lacks power	Dirty air filter Low oil level Engine overheating	Clean/replace air filter Add oil to correct level Clean cooling fins, check for obstructions

Specifications

Feature	Detail
Brand	Briggs & Stratton
Model Number	9P602-0139
Engine Displacement	140cc
Shaft Type	Vertical Shaft
Crankshaft Dimensions	7/8" x 3-5/32" keyed
Application	Push Mowers Only
Brake System	Flywheel Brake

Feature	Detail
Power Source	Gas Powered
Item Weight	Approximately 20.6 pounds
Product Dimensions	16"D x 16"W x 16"H (approximate)

Warranty and Support

For warranty information and technical support, please contact Briggs & Stratton directly or visit their official website. Keep your purchase receipt and engine model/serial number readily available for any inquiries.

Briggs & Stratton Official Website: www.briggsandstratton.com

© 2024 Briggs & Stratton. All rights reserved.
This manual is for informational purposes only. Always refer to the official Briggs & Stratton documentation for the most accurate and up-to-date information.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

https://manuals.plus/asin/B0BTWKQ84G

More documents and user manuals: **https://manuals.plus/**