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## Briggs & Stratton 275072

# Briggs & Stratton 275072 Micro Engine Owner's Manual

For safe and efficient operation of your Briggs & Stratton Micro Engine.

Safety Setup Operation Maintenance Troubleshooting Specifications Warranty & Support

## Introduction

This manual provides essential information for the safe and effective use of your Briggs & Stratton 275072 Micro Engine. Please read it thoroughly before operating the engine and keep it for future reference. Proper maintenance and adherence to safety guidelines will ensure optimal performance and longevity of your equipment.

## Safety Information

Your safety and the safety of others are very important. This manual contains important safety messages. Always read and follow all safety messages.

### General Safety Rules

- Always operate the engine in a well-ventilated area.
- Keep hands, feet, and clothing away from moving parts.
- Do not refuel a hot or running engine.
- Store fuel in an approved container in a cool, well-ventilated area, away from sparks or open flames.
- Wear appropriate personal protective equipment (PPE), such as safety glasses and gloves.

### Warning Symbols

Familiarize yourself with the following safety symbols:

- **DANGER:** Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.
- **WARNING:** Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

- **CAUTION:** Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.
- **NOTICE:** Indicates information considered important, but not hazard-related.

## Setup and Assembly

Before starting the engine, ensure all components are correctly assembled and fluids are at appropriate levels.

### Unpacking

1. Carefully remove the engine and all accessories from the packaging.
2. Inspect for any shipping damage. Contact your dealer immediately if damage is found.
3. Verify all parts listed in the packing list are present.

### Adding Engine Oil

The engine is shipped without oil. It is critical to add the correct type and amount of oil before first use.

- Place the engine on a level surface.
- Remove the oil fill cap/dipstick.
- Pour recommended oil (e.g., SAE 30 for temperatures above 40°F/4°C) slowly into the oil fill opening until it reaches the "FULL" mark on the dipstick. Do not overfill.
- Securely replace the oil fill cap/dipstick.

### Adding Fuel

Use clean, fresh, unleaded gasoline with an octane rating of 87 or higher.

- Ensure the engine is off and cool.
- Remove the fuel tank cap.
- Fill the fuel tank slowly, leaving space for expansion. Do not overfill.
- Securely replace the fuel tank cap.

## Operating Instructions

Follow these steps for starting and stopping your Briggs & Stratton Micro Engine.

### Pre-Start Checklist

- Check engine oil level.
- Check fuel level.
- Ensure air filter is clean and properly installed.
- Verify all connections are secure.

### Starting the Engine

1. Move the throttle lever to the "FAST" position.
2. Move the choke lever to the "CHOKE" position (for cold starts).
3. Pull the starter rope firmly and smoothly until the engine starts.
4. Once the engine starts, gradually move the choke lever to the "RUN" position.
5. Allow the engine to warm up for a few minutes before applying load.

### Stopping the Engine

1. Move the throttle lever to the "SLOW" or "IDLE" position.
2. Move the engine switch to the "OFF" position.
3. Allow the engine to cool before storage or maintenance.

## Maintenance Schedule and Procedures

Regular maintenance is crucial for the performance and longevity of your engine. Refer to the table below for recommended service intervals.

### Maintenance Schedule

| Service Item | Every 8 Hours or Daily | Every 25 Hours or Seasonally | Every 50 Hours or Annually |
|---|---|---|---|
| Check Engine Oil Level | **X** | | |
| Clean Air Filter | **X** (more often in dusty conditions) | | |
| Change Engine Oil | | **X** (or after first 5 hours) | |
| Inspect Spark Plug | | | **X** |
| Clean Cooling Fins | | | **X** |

### Oil Change Procedure

1. Run the engine for a few minutes to warm the oil.
2. Stop the engine and disconnect the spark plug wire.
3. Place a suitable container under the oil drain plug.
4. Remove the oil drain plug and oil fill cap/dipstick to allow oil to drain completely.
5. Replace the drain plug and refill with the recommended amount and type of new engine oil.
6. Replace the oil fill cap/dipstick and reconnect the spark plug wire.

## Troubleshooting Guide

This section provides solutions to common operational issues. For problems not listed, contact authorized service personnel.

| Problem | Possible Cause | Solution |
|---|---|---|
| Engine will not start | No fuel; Old or stale fuel; Spark plug faulty; Choke not set correctly | Add fresh fuel; Drain and refill with fresh fuel; Clean/replace spark plug; Adjust choke lever |
| Engine runs rough | Dirty air filter; Stale fuel; Incorrect spark plug gap | Clean/replace air filter; Drain and refill with fresh fuel; Check/adjust spark plug gap |
| Loss of power | Low oil level; Dirty air filter; Carburetor issues | Check/add oil; Clean/replace air filter; Consult service manual or authorized dealer |

## Technical Specifications (Model 275072)

These specifications are typical for the Briggs & Stratton 275072 Micro Engine. Specific values may vary slightly.

- **Engine Type:** Single Cylinder, 4-Stroke, Air-Cooled
- **Model Number:** 275072
- **Fuel Type:** Unleaded Gasoline (87+ Octane)
- **Oil Type:** SAE 30 (above 40°F/4°C), 5W-30 (below 40°F/4°C)
- **Oil Capacity:** Approximately 0.6 Liters (20 oz)
- **Spark Plug Gap:** 0.020 - 0.030 inches (0.51 - 0.76 mm)
- **Dry Weight:** Approximately 10-15 lbs (4.5-6.8 kg)
- **Dimensions (L x W x H):** Varies by application, typical compact size.

## Warranty and Customer Support

Briggs & Stratton engines are backed by a limited warranty. Please refer to the separate warranty statement included with your engine or visit the official Briggs & Stratton website for full details.

### Customer Support

For technical assistance, parts inquiries, or to locate an authorized service dealer, please visit the Briggs & Stratton official website or contact their customer service department.

- **Website:** www.briggsandstratton.com
- **Phone:** Refer to website for regional contact numbers.

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