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## Yard Force GM B46E

# Yard Force GM B46E Self-Propelled Lawn Mower User Manual

Model: GM B46E | Brand: Yard Force

## INTRODUCTION

This manual provides essential instructions for the safe and efficient operation, assembly, and maintenance of your Yard Force GM B46E self-propelled lawn mower. Please read this manual thoroughly before using the product and keep it for future reference. The Yard Force GM B46E is a powerful and robust 46cm self-propelled thermal lawn mower, suitable for gardens up to 750m<sup>2</sup>. It features a Briggs & Stratton 475IS Series 140cc engine with an electric Lithium-ion battery start system and a durable steel chassis.

## SAFETY INFORMATION

**WARNING:** Failure to follow these safety instructions can result in serious injury or death.

- Always wear appropriate personal protective equipment, including eye protection, hearing protection, and sturdy footwear.
- Keep hands and feet away from rotating parts.
- Ensure the area is clear of other people, especially children and pets, before starting the mower.
- Never operate the mower in wet grass or rain.
- Turn off the engine and disconnect the spark plug wire before performing any maintenance, cleaning, or clearing blockages.
- Do not operate the mower if any guards or safety devices are damaged or missing.
- Refuel in a well-ventilated area with the engine off and cool.
- Store fuel in an approved container in a cool, dry place.
- Be aware of the terrain; avoid steep slopes and uneven ground.

## SETUP

### 1. Unpacking and Initial Assembly

Carefully remove all components from the packaging. Assembly is required. Ensure all parts are present before

proceeding.



*Image: The Yard Force GM B46E self-propelled lawn mower, fully assembled with its orange grass collection bag. This image provides an overview of the product's appearance.*

## 2. Handlebar Assembly

Attach the handlebar to the mower body. Secure it using the provided quick clamps. Ensure the clamps are tightened securely to prevent movement during operation. *Note: Some users have reported issues with plastic clamp durability; ensure proper alignment and avoid over-tightening.* The ergonomic handlebar is fully foldable for easy storage.

## 3. Battery Installation and Charging (for Electric Start)

The Briggs & Stratton 475IS Series engine features an electric start system powered by a Lithium-ion battery. Locate the battery compartment and insert the fully charged battery. Ensure the battery is charged before first use. Refer to the separate battery charger manual for charging instructions.



*Image: A close-up view of the orange electric start button located on the mower's engine housing, indicating the "START" function.*

#### **4. Fuel and Oil Filling**

Fill the fuel tank with fresh, unleaded gasoline. Check the engine oil level and fill with the recommended engine oil (refer to the engine manual for specific oil type and capacity). Do not overfill.

#### **5. Adjusting Cutting Height**

The cutting height is centrally adjustable with a single lever, offering 7 positions from 25mm to 75mm. Select the desired cutting height by moving the lever. For best results, avoid cutting more than one-third of the grass blade length at a time.



*Image: A hand demonstrating the adjustment of the central cutting height lever, located near the rear wheel of the lawnmower.*

## 6. Attaching the Grass Collection Bag

Attach the 55-liter hybrid grass collection bag to the rear of the mower. Ensure it is securely fitted. The bag features a fill indicator. The front comb allows for better airflow and grass collection.



*Image: A person's hands are shown attaching the orange grass collection bag to the rear of the lawn mower, demonstrating the installation process.*

## OPERATING

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### 1. Starting the Engine

Ensure the fuel tank is filled and the oil level is correct. Press the electric start button to engage the engine. If the engine does not start immediately, wait a few seconds and try again. For cold starts, it may require 2-3 attempts.

### 2. Engaging Self-Propelled Drive

To engage the self-propelled function, squeeze the drive lever on the handlebar. Release the lever to disengage the drive.

### 3. Mowing Techniques

Mow in overlapping rows for an even cut. For best results, mow when the grass is dry. Avoid sudden turns and maintain a steady pace. The mower is designed for efficient grass collection and mulching.



*Image: The Yard Force lawnmower is shown in operation on a well-maintained green lawn, demonstrating its use in a garden setting.*

#### 4. Mulching Function

The mulching kit allows you to finely cut grass clippings and redistribute them onto the lawn. This returns nutrients to the soil, promoting healthier grass. To activate mulching, ensure the grass collection bag is removed and the mulching plug (if separate) is installed.

#### 5. Stopping the Engine

Release the engine brake lever (typically located on the handlebar) to stop the engine. Wait for all moving parts to come to a complete stop before approaching the mower.

### MAINTENANCE

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Regular maintenance ensures optimal performance and extends the life of your lawn mower. Always disconnect the spark plug wire before performing any maintenance.

- **Cleaning:** After each use, clean the underside of the mower deck to prevent grass buildup. Clean the exterior with a damp cloth. Do not use a high-pressure washer directly on the engine or electrical components.
- **Blade Care:** Inspect the blade regularly for sharpness and damage. A dull blade can tear grass, leading to an unhealthy lawn. Sharpen or replace the blade as needed.
- **Engine Maintenance:**
  - **Oil Change:** Change the engine oil according to the schedule in the Briggs & Stratton engine manual.
  - **Air Filter:** Clean or replace the air filter regularly to ensure proper engine breathing.
  - **Spark Plug:** Inspect and clean the spark plug periodically. Replace if worn.
- **Grass Bag:** Empty the grass bag frequently, especially when the fill indicator shows it's full, to maintain efficient collection and prevent clogging.

- Storage:** Before storing for extended periods, ensure the fuel tank is empty or treated with a fuel stabilizer. Clean the mower thoroughly. Store in a dry, protected area with the handlebar folded for compactness.



Image: A detailed close-up of the Briggs & Stratton 475IS engine, highlighting its design and components on the lawn mower.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Engine does not start or starts with difficulty.	Low fuel level. Battery for electric start is discharged. Spark plug faulty or dirty. Engine brake lever not engaged.	Fill fuel tank. Charge or replace battery. Clean or replace spark plug. Ensure engine brake lever is fully engaged.
Poor cutting performance.	Dull or damaged blade. Grass too wet or too long. Mower deck clogged.	Sharpen or replace blade. Wait for grass to dry; cut in multiple passes. Clean mower deck.
Excessive vibration.	Bent or unbalanced blade. Loose components.	Inspect and replace blade if bent. Check and tighten all fasteners.

## SPECIFICATIONS

Feature	Detail

Feature	Detail
Model Number	GM B46E
Engine	Briggs & Stratton 475IS Series, 140cc
Start System	Electric (Lithium-ion battery)
Cutting Width	46 cm
Cutting Height Adjustment	Central lever, 7 positions (25mm - 75mm)
Grass Collection Bag Capacity	55 Liters (Hybrid type with fill indicator)
Mulching Function	Yes (Mulching kit included)
Chassis Material	Alloy Steel
Recommended Lawn Size	Up to 750 m <sup>2</sup>
Product Dimensions (L x W x H)	82.5 x 55 x 48 cm
Item Weight	31 kg
Power Source	Gas Powered
Operation Mode	Automatic (Self-propelled)
Assembly Required	Yes

## WARRANTY AND SUPPORT

Your Yard Force GM B46E lawn mower comes with a **2+1 year manufacturer's warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

For technical support, spare parts, or warranty inquiries, please contact Yard Force customer service. Contact details can typically be found on the manufacturer's website or on the product packaging.

- Online Support:** Visit the official Yard Force website for FAQs and support resources.
- Customer Service:** Refer to your product documentation for regional contact numbers or email addresses.