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› [Greenworks](#) /

› Greenworks GD40LM46SP Cordless Lawn Mower User Manual

## Greenworks GD40LM46SP

# Greenworks GD40LM46SP 40V Cordless Lawn Mower User Manual

Model: GD40LM46SP | Reference: 2506807

[Contents](#)   [Setup](#)   [Introduction](#)   [Safety Information](#)   [Package](#)  
[Operating](#)   [Maintenance](#)   [Troubleshooting](#)   [Specifications](#)   [Warranty & Support](#)

## 1. INTRODUCTION

Thank you for choosing the Greenworks GD40LM46SP 40V Cordless Lawn Mower. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new lawn mower. Please read this manual thoroughly before first use and keep it for future reference.

The Greenworks GD40LM46SP is a powerful 40V battery-powered lawn mower designed for medium to large lawns up to 600 m<sup>2</sup>. It features a brushless motor for extended power and runtime, a 46 cm cutting width, and a 55-liter grass collection bag. This model offers 3-in-1 functionality: mulching, side discharge, and rear collection.



Figure 1.1: Greenworks GD40LM46SP 40V Cordless Lawn Mower.

## 2. IMPORTANT SAFETY INFORMATION

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Always follow basic safety precautions when using electrical appliances to reduce the risk of fire, electric shock, and personal injury. Read all instructions before operating this product.

### General Safety Rules:

- **Read the Manual:** Familiarize yourself with all controls and proper use.
- **Wear Eye Protection:** Always wear safety glasses or goggles when operating the mower.
- **Wear Appropriate Clothing:** Do not wear loose clothing or jewelry. Wear sturdy footwear and long pants.
- **Keep Area Clear:** Keep all bystanders, children, and pets at least 15 meters (50 feet) away from the operating area.
- **Inspect Before Use:** Check the mower for damaged parts, loose fasteners, or any other condition that may affect its operation.
- **Remove Objects:** Clear the area of objects such as rocks, wire, or toys that could be thrown by the blade.
- **Do Not Operate in Wet Conditions:** Avoid operating the mower in rain or wet grass.
- **Avoid Slopes:** Mow across the face of slopes, never up and down. Exercise extreme caution when changing direction on slopes.

- **Disconnect Battery:** Always remove the battery pack when cleaning, servicing, or storing the mower.
- **Store Safely:** Store the mower in a dry, secure place out of reach of children.

### 3. PACKAGE CONTENTS

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Your Greenworks GD40LM46SP lawn mower package typically includes the following items. Please check to ensure all components are present and undamaged.

- Greenworks GD40LM46SP Lawn Mower Unit
- Grass Collection Bag (55 Liters)
- Mulching Plug (pre-installed)
- Side Discharge Chute
- Operator's Manual (this document)

**Note: This model is sold as a "tool only" package. Battery and charger are not included and must be purchased separately.**



Figure 3.1: This product does not include a battery or charger.

### 4. SETUP AND ASSEMBLY

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Follow these steps to assemble your lawn mower before first use.

#### 4.1 Handle Assembly

1. Unfold the lower handle section and secure it in place.
2. Attach the upper handle section to the lower handle using the provided bolts and knobs. Ensure the handle is firmly secured.
3. Adjust the handle height if applicable, and lock it into your preferred position. The handle is foldable for convenient storage.

#### 4.2 Grass Collection Bag Assembly

1. Assemble the grass bag frame and attach the fabric bag.
2. Lift the rear discharge flap on the mower.
3. Hook the grass collection bag onto the mower's rear discharge opening. Ensure it is securely seated.

#### 4.3 Battery Installation

The mower requires a Greenworks 40V battery (2Ah or 4Ah recommended, up to 6Ah supported). Ensure the battery is fully charged before installation.

1. Open the battery compartment cover located on top of the mower.
2. Align the battery pack with the battery port in the compartment.
3. Slide the battery pack into the port until it clicks into place.
4. Close the battery compartment cover securely.



Figure 4.1: Correctly inserting the 40V battery into the mower's battery compartment.

## 5. OPERATING INSTRUCTIONS

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### 5.1 Starting and Stopping the Mower

1. Ensure the battery is installed and the battery compartment cover is closed.
2. Press and hold the safety button on the handle.
3. While holding the safety button, pull the bail switch lever towards the handle. The motor will start.
4. To stop the mower, release the bail switch lever.

### 5.2 Adjusting Cutting Height

The mower offers 7 cutting height positions, ranging from 25 mm to 80 mm.

1. Ensure the mower is off and the battery is removed for safety.
2. Locate the single-point height adjustment lever on the side of the mower.

3. Pull the lever outwards and move it forward or backward to select the desired cutting height.
4. Release the lever to lock it into position.

### 5.3 Mowing Techniques (3-in-1 Functionality)

The GD40LM46SP supports mulching, side discharge, and rear collection.

#### Rear Collection:

- Ensure the mulching plug is removed and the grass collection bag is securely attached.
- Mow in overlapping rows, slightly overlapping the previous pass.
- Empty the grass bag when it is full to maintain optimal collection performance.



Figure 5.1: The 55-liter grass collection bag efficiently gathers clippings.

#### Mulching:

- Ensure the grass collection bag is removed and the mulching plug is securely inserted into the rear discharge opening.
- The mower will finely cut grass clippings and return them to the lawn as natural fertilizer.
- Mulching is most effective on dry grass and when only removing a small amount of grass height.

#### Side Discharge:

- Remove the grass collection bag and the mulching plug.
- Lift the side discharge cover and insert the side discharge chute.
- The mower will eject clippings from the side. This is useful for taller grass or when collection is not desired.

## 5.4 Self-Propelled Feature

The mower is equipped with a self-propelled drive system for easier operation, especially on larger lawns or slight inclines.

- To engage the self-propel, press the self-propel lever (usually located on the handle).
- The speed can often be adjusted by varying pressure on the lever or through a separate speed control.
- Release the lever to disengage the self-propel.



Figure 5.2: The self-propelled feature makes mowing large areas effortless.

## 6. MAINTENANCE

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Regular maintenance ensures optimal performance and extends the life of your lawn mower. Always remove the battery before performing any maintenance.

### 6.1 Cleaning

- After each use, clean the underside of the mower deck to prevent grass buildup, which can affect cutting performance. Use a brush or scraper.
- Wipe down the exterior of the mower with a damp cloth. Do not use water jets or pressure washers directly on the mower.
- Clean the grass collection bag regularly to ensure proper airflow.

### 6.2 Blade Care

- Inspect the blade regularly for sharpness and damage. A dull blade tears grass, leading to an unhealthy lawn.

- If the blade is dull, have it sharpened by a qualified service center or replace it with a genuine Greenworks replacement blade.
- When handling the blade, always wear heavy-duty gloves.

### 6.3 Storage

- Remove the battery pack from the mower before storing.
- Clean the mower thoroughly.
- Store the mower in a dry, well-ventilated area, protected from direct sunlight and moisture.
- The handle can be folded for compact, vertical storage, saving space.

## 7. TROUBLESHOOTING

This section provides solutions to common problems you might encounter. If you experience issues not listed here, contact Greenworks customer support.

Problem	Possible Cause	Solution
Mower does not start.	Battery not fully charged or not inserted correctly. Safety button/bail switch not engaged.	Ensure battery is fully charged and properly seated. Engage safety button and pull bail switch simultaneously.
Poor cutting performance.	Dull or damaged blade. Grass too wet or too tall. Underside of deck clogged.	Sharpen or replace blade. Wait for grass to dry. Raise cutting height. Clean mower deck.
Excessive vibration.	Bent or unbalanced blade. Loose blade bolt.	Inspect blade for damage; replace if bent. Tighten blade bolt (ensure battery is removed).
Grass not collecting properly.	Grass bag full or clogged. Mulching plug/side chute installed.	Empty and clean grass bag. Ensure correct configuration for collection (mulching plug removed).

## 8. PRODUCT SPECIFICATIONS

Feature	Detail
Model Number	GD40LM46SP (2506807)
Brand	Greenworks
Power Source	Battery Powered (40V Lithium-ion)
Motor Type	Brushless Motor
Cutting Width	46 cm (18 inches)
Cutting Height Adjustment	7 positions (25 mm to 80 mm)
Grass Bag Capacity	55 Liters
Functions	3-in-1 (Mulching, Side Discharge, Rear Collection)
Self-Propelled	Yes

Feature	Detail
Product Dimensions (L x W x H)	151.4 x 51.7 x 106 cm (59.6 x 20.4 x 41.7 inches)
Item Weight	18.5 kg (40.8 lbs)
Material	Plastic (Deck is metal, as per review)
Color	Green, Black, Grey

Note: Specifications are subject to change without notice for product improvement.

## 9. WARRANTY AND SUPPORT

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Greenworks offers a comprehensive warranty for its products. For the GD40LM46SP lawn mower, **a3-year warranty** is provided.

This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from misuse, abuse, neglect, accident, or unauthorized repair.

### Customer Support:

For warranty claims, technical assistance, or to purchase replacement parts, please contact Greenworks customer support. Refer to the Greenworks official website or your purchase documentation for the most up-to-date contact information in your region.

When contacting support, please have your model number (GD40LM46SP or 2506807) and serial number (if applicable) ready.

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This manual is for informational purposes only. Greenworks reserves the right to make changes to product specifications and design without prior notice.