

# greenworks

GD40LM46SP/  
GD40LM46SPK6

OPERATOR MANUAL / BEDIENUNGSHANDBUCH / MANUAL DEL OPERARIO /  
MANUALE DELL'OPERATORE / MANUEL OPÉRATEUR / MANUAL DE UTILIZAÇÃO /  
GEBRUIKSAANWIJZING / РУКОВОДСТВО ОПЕРАТОРА / KÄYTTÖOPAS /  
ANVÄNDARHANDBOK / BRUKERVEILEDNING / BRUGSVEJLEDNING / INSTRUKCJA  
UŻYTKOWNIKA / NÁVOD K OBSLUZE / NÁVOD NA OBSLUHU / Uporabniški priročnik /  
PRIRUČNIK ZA RUKOVANJE / HASZNÁLATI ÚTMUTATÓ / MANUAL DE UTILIZARE /  
ΡЪΚΟΒΟΔΣΤΒΟ ΗΑ ΟΠΕΡΑΤΟΡΑ / ΕΓΧΕΙΡΙΔΙΟ ΧΡΗΣΗΣ / دليل التشغيل / KULLANIM  
KILAVUZU / מדריר למפעיל / OPERATORIAU VADOVAS / LIETOTĀJA ROKASGRĀMATA /  
KASUTUSJUHEND



**LMF412**



Original Instructions / Übersetzung der Originalanweisungen / Traducción de las instrucciones originales / Traduzione delle istruzioni originali / Traduction des instructions d'origine / Traduzido a partir das instruções originais / Vertaling van de originele gebruiksaanwijzing / Перевод оригинальных инструкций / Alkuperäisten ohjeiden käännös / Översättning av originalinstruktionerna / Produsentens instruksjoner / Oversættelse af de originale vejledninger / Tłumaczenie oryginalnej instrukcji / Překlad originálního návodu / Preklad originálneho návodu / Prevod originalnih navodil / Prijevod izvornih uputa / Az eredeti utasítás fordítása / Traducere a instrucțiunilor originale / Превод на оригиналните инструкции / Αυθεντικές οδηγίες / ترجمة التعليمات الأصلية / Oriijinal Talimatların Tercümesi / הוראות מקוריות / Originalių instrukcijų vertimas / Instrukciju tulkojums no oriģinālvadošanas / Oriģinālkasutusjuhendi tõlge



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## 1 DESCRIPTION

### 1.1 PURPOSE

This machine is used for domestic lawn mowing. The cutting blade must be approximately parallel to the ground. All four wheels must touch the ground while you mow.

### 1.2 OVERVIEW

Figure 1-11.

1	Handle knob
2	Lower handle
3	Bracket
4	Upper handle
5	Bolt
6	Knob
7	Grass catcher
8	Mulch plug
9	Side discharge chute
10	Rear discharge door
11	Grass catcher handle
12	Hook
13	Door rod
14	Mulch plug handle
15	Discharge chute
16	Side discharge door
17	Recesses
18	Pivot
19	Height adjustment lever
20	Battery door
21	Battery compartment
22	Safety key
23	Battery release button
24	Start button
25	Handle bar
26	Bail switch
27	Self-propel lever
28	Speed control button
29	Blade
30	Wood
31	Mounting screw
32	Arrows

## 2 SAFETY

### ▲ WARNING

Make sure that you do/obey all safety instructions.

Refer to Safety Manual.

## 3 INSTALLATION

### ▲ WARNING

Do not change or make accessories that are not recommended by the manufacturer.

### ▲ WARNING

Do not put in the safety key or the battery pack until you assemble all the parts.

### 3.1 UNPACK THE MACHINE

### ▲ WARNING

Make sure that you correctly assemble the machine before use.

### ▲ WARNING

- If the parts have damage, do not use the machine.
- If you do not have all the parts, do not operate the machine.
- If the parts are damaged or missing, speak to the service center.

1. Open the package.
2. Read the documentation in the box.
3. Remove all the unassembled parts from the box.
4. Remove the machine from the box.
5. Discard the box and package in compliance with local regulations.

### 3.2 UNFOLD THE LOWER HANDLE

Figure 2.

1. Pull and turn the handle knobs 90°.
2. Unfold the lower handle.
3. Line up the handle knobs in one of the three positions on the brackets.
4. Turn the handle knobs 90° until they engage the holes in the brackets.

### i NOTE

Make sure that the two handle knobs are in the same position.

### ▲ WARNING

Do not make damage to the cables when you fold or unfold the handle.

### 3.3 INSTALL THE UPPER HANDLE

Figure 3.

1. Align the holes in the upper handle and the lower handle.

2. Put the bolts through the holes.
3. Tighten the knobs onto the bolts.
4. Do the same operation on the other side.

### 3.4 INSTALL THE GRASS CATCHER

Figure 4.

1. Remove the mulch plug.
2. Remove the side discharge chute.
3. Open the rear discharge door and hold it.
4. Hold the the grass catcher by its handle and engage the hooks on the door rod.
5. Close the rear discharge door.

### 3.5 INSTALL THE MULCH PLUG

Figure 5.

1. Remove the grass catcher.
2. Open the rear discharge door and hold it.
3. Hold the mulch plug by its handle and fit it in the discharge chute.
4. Close the rear discharge door.

### 3.6 INSTALL THE SIDE DISCHARGE CHUTE

Figure 6

#### ▲ CAUTION

When you use the side discharge chute,

- Do not install the grass catcher.
- Keep the mulch plug installed.

1. Open the side discharge door and hold it.
2. Line up the recesses of the side discharge chute below the pivot.
3. Close the side discharge door.

### 3.7 SET THE BLADE HEIGHT

The machine can be set to different blade heights.

Figure 7.

1. Pull the height adjustment lever rearward to increase the blade height.
2. Pull the height adjustment lever forward to decrease the blade height.

### 3.8 INSTALL THE BATTERY PACK

Figure 8.

#### ▲ WARNING

- If the battery pack or charger is damaged, replace the battery pack or the charger.
- Stop the machine and wait until the engine stops before you install or remove the battery pack.
- Read, know, and do the instructions in the battery and charger manual.

#### i NOTE

The machine has a battery storage compartment that helps store the battery pack.

1. Open the battery door.
2. Align the lift ribs on the battery pack with the grooves in the battery compartment.
3. Push the battery pack into the battery compartment until the battery pack locks into place.
4. When you hear a click, the battery pack is installed.
5. Close the battery door.

#### i NOTE

The engine starts only when you put in the safety key.

### 3.9 REMOVE THE BATTERY PACK

Figure 8.

1. Open the battery door.
2. Remove the safety key.
3. Push and hold the battery release button.
4. Remove the battery pack from the machine.

## 4 OPERATION

#### ▲ WARNING

Wear eye protection during operation.

### 4.1 START THE MACHINE

Figure 9.

1. Put in the safety key.
2. Push and hold the start button.
3. While you hold the start button, pull the bail switch in the direction of the handle bar.
4. Release the start button to start the machine.

#### Soft-Start

This Li-ion machine has a "soft-start" feature.

When you start the machine, it goes to full speed after approximately 3 seconds.

**i NOTE**

If the machine does not start, remove the battery pack and examine the mower deck to make sure that:

- no grass catches on the blade.
- the blade can turn freely by hand.

**4.2 STOP THE MACHINE**

Figure 9.

1. Release the bail switch to stop the machine.

**▲ WARNING**

Wait until the blades fully stop before you start the machine again. Do not quickly turn the machine off and on.

**▲ WARNING**

Always remove the safety key and battery pack after you complete the work.

**4.3 OPERATE THE SELF-PROPEL SYSTEM**

Figure 9.

1. Start the machine.
2. While you hold the bail switch, push the self-propel lever in the direction of the handle bar.
3. Hold the bail switch and the self-propel lever at the same time with your right hand.
4. Adjust the speed control button with your left hand.
  - Push the speed control button in the direction of the Cougar Symbol to increase the speed.
  - Pull the speed control button in the direction of the Turtle Symbol to decrease the speed.
5. Release the self-propel lever to close the self-propel system.

**4.4 EMPTY THE GRASS CATCHER**

Figure 10.

1. Stop the machine.
2. Remove the safety key.
3. Remove the battery pack.
4. Open the rear discharge door and hold it.
5. Hold the grass catcher by its handle and unhook it from the door rod.
6. Close the rear discharge door.
7. Empty the grass catcher.

**4.5 OPERATE ON SLOPES****▲ WARNING**

Do not mow on the slopes with decline more than 15°. If you are not comfortable, do not mow on a slope.

**▲ WARNING**

Please keep a low self-propelled speed when you mow on a slope.

- Do not go up and down on a slope when you mow across the face of the slope. Be careful when you change the direction on a slope.
- Monitor the holes, ruts, rocks, and other hidden objects that can cause you to fall. Remove all obstacles such as rocks and tree limbs.
- Make sure that your footing is stable. If you are out of balance, release the bail switch immediately.
- Do not mow near drop-offs, ditches, or embankments.

**4.6 OPERATION TIPS**

- Do not try to override the operation of the start button or bail switch.
- Do not tilt the machine when you start it.
- Do not put hands or feet near or below the turning parts.
- Keep the discharge chute clean.
- Do not cut wet grass.
- Higher blade height is necessary for new or thick grass.
- Clean the bottom of the mower deck after each use. Remove grass clippings, leaves, dirt, and other debris.

**5 MAINTENANCE****▲ WARNING**

Remove the safety key and battery pack from the machine before maintenance.

**▲ WARNING**

Keep the engine and battery pack free from grass, leaves or too much grease.

**▲ CAUTION**

Use only approved replacement parts.

**▲ CAUTION**

Do not let brake fluids, gasoline, petroleum-based materials touch the plastic parts. Chemicals can cause damage to the plastic, and make the plastic unserviceable.

**▲ CAUTION**

Do not use strong solvents or detergents on the plastic housing or components.

## 5.1 GENERAL MAINTENANCE

- Before each use, examine the machine for damaged, missing, or loose parts such as screws, nuts, bolts and caps.
- Tighten correctly all the fasteners and caps.
- Clean the machine with a dry cloth. Do not use water.

## 5.2 LUBRICATION

Apply sufficient quantity of high grade lubricant to all bearings. No more bearing lubrication is necessary in usual operation conditions.

### ▲ WARNING

Do not lubricate the wheel components. Lubrication can cause damage to the wheel components during operation.

## 5.3 REPLACE THE BLADE

Figure 11.

### ▲ WARNING

Use only approved replacement blades.

### ▲ WARNING

Wear heavy gloves or wind cloth around the blade when you touch the blade.

1. Stop the machine.
2. Make sure that the blades fully stop.
3. Remove the safety key and battery pack.
4. Turn the machine to its side.
5. Use a piece of wood to prevent the movement of the blade.
6. Remove the mounting screw with a wrench or socket.
7. Remove the blade.
8. Install the new blade. Make sure that the arrows engage the holes in the blade.
9. Put in the mounting screw and tighten it.

## 5.4 STORE THE MACHINE

- Clean the machine before storage.
- Make sure the engine is not hot when you put the machine into storage.
- Make sure that the machine does not have loose or damaged parts. If it is necessary, do these steps/ instructions:
  - Replace the damaged parts.
  - Tighten the bolts.
  - Speak to a person of an approved service center.
- Store the machine in a dry area.
- Make sure that children cannot come near the machine.

You must lower the handle before you put the machine into the storage.

1. Fully loosen the handle knobs on the sides of the handle.
2. Put the upper handle down.
3. Push on each side of the lower handle.
4. Lift the sides of the lower handle around the edges of the handle mounting brackets. Do not pinch or trap the cables.

## 6 TROUBLESHOOTING

Problem	Possible cause	Solution
The handle is not in position.	The bolts are not engaged correctly.	Adjust the height of the handle and make sure that the knobs and bolts are aligned correctly.
The machine does not start.	The battery capacity is low.	Charge the battery pack.
	The bail switch is defective.	Replace the bail switch.
	The battery key is not put in.	Put in the battery key.
The machine cuts grass unevenly.	The lawn is rough.	Examine the mowing area.
	The blade height is not set correctly.	Move the wheels to a higher position.
The machine does not mulch correctly.	Wet grass clippings attach to the deck.	Wait until the grass dries before mowing.
	The mulch plug is missing.	Install the mulch plug.
The machine is hard to push.	The grass is too tall, or the blade height is too low.	Increase the blade height.
	The grass catcher and the blade drags in thick grass.	Empty the grass clippings from the grass catcher.

Problem	Possible cause	Solution
There is a high vibration in the machine.	The blade is unbalanced and worn.	Replace the blade.
	The motor shaft is bent.	<ol style="list-style-type: none"> <li>1. Stop the motor.</li> <li>2. Remove the safety key and battery pack.</li> <li>3. Disconnect the power source.</li> <li>4. Inspect for damage.</li> <li>5. Repair the machine before you start it again.</li> </ol>
The machine stops during mowing.	The blade height is too low.	Increase the blade height.
	The battery pack is out of power.	Charge the battery pack.
	The grass clippings attach to the deck or the blade.	Remove the battery pack and check the deck.
	Operation temperature of the machine is too high.	Cool the machine.

\* If you cannot find the solution to these problems, go to the service center.

## 7 TECHNICAL DATA

Voltage	40 V
No load speed	2800 / min
Cut width	460 mm
Cut height	25 - 80 mm
Self-propelled speed	0,7 - 1,35 m/s
Grass catcher capacity	55 L
Weight (without battery pack)	27 Kg
Measured sound pressure level	$L_{PA} = 81.8 \text{ dB(A)}$ , $K = 3 \text{ dB(A)}$
Guaranteed sound power level	$L_{WA,d} = 96 \text{ dB(A)}$
Vibration	$< 2,5 \text{ m/s}^2$ , $K = 1,5 \text{ m/s}^2$
Battery model	G40B4/G40B2/ G40B6/29727
Charger model	G40C/2910907

IPX	IPX1
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## 8 WARRANTY

(The full warranty terms and conditions can be found on Greenworks webpage)

The Greenworks warranty is 3 years on the product, and 2 years on batteries (consumer/private usage) from the date of purchase. This warranty covers manufacturing faults. A faulty product under warranty might be either repaired or replaced. A unit that has been misused or used in other ways than described in the owner's manual might be rejected for warranty. Normal wear, and wear parts are not considered as warranty. The original manufacturer warranty is not affected by any additional warranty offered by a dealer or retailer.

A faulty product must be returned to the point of purchase in order to claim for warranty, together with the proof of purchase (receipt).

## 9 EC DECLARATION OF CONFORMITY

Name and address of the manufacturer:

Name: GLOBGRO AB  
Globe Group Europe  
Address: Riggaregatan 53, 211 13 Malmö, Sweden

Name and address of the person authorised to compile the technical file:

Name: Peter Söderström  
Address: Riggaregatan 53, 211 13 Malmö, Sweden

Herewith we declare that the product

Category: Lawn Mower  
Model: 2506007(LMF412)  
Serial number: See product rating label  
Year of Construction: See product rating label

- is in conformity with the relevant provisions of the Machinery Directive 2006/42/EC.
- is in conformity with the provisions of the following other EC-Directives:
  - 2014/30/EU
  - 2000/14/EC & 2005/88/EC
  - 2011/65/EU & (EU)2015/863

Furthermore, we declare that the following parts, clauses of harmonised standards have been used:

- EN 60335-1, EN 60335-2-77, EN 62233, EN ISO 3744, EN 55014-1, EN 55014-2, ISO 11094, IEC 62321-3-1,



IEC 62321-4, IEC 62321-5, IEC 62321-6, IEC  
62321-7-1, IEC 62321-7-2, IEC 62321-8

Conformity assessment method to Annex VI Directive  
2000/14/EC.

Measured sound power level  $L_{WA}$ : 83,6 dB(A)

Guaranteed sound power level  $L_{WA,d}$ : 96 dB(A)

Place, date: Malmö, Signature: Ted Qu, Quality Director  
03.03.2020

Ted Qu