

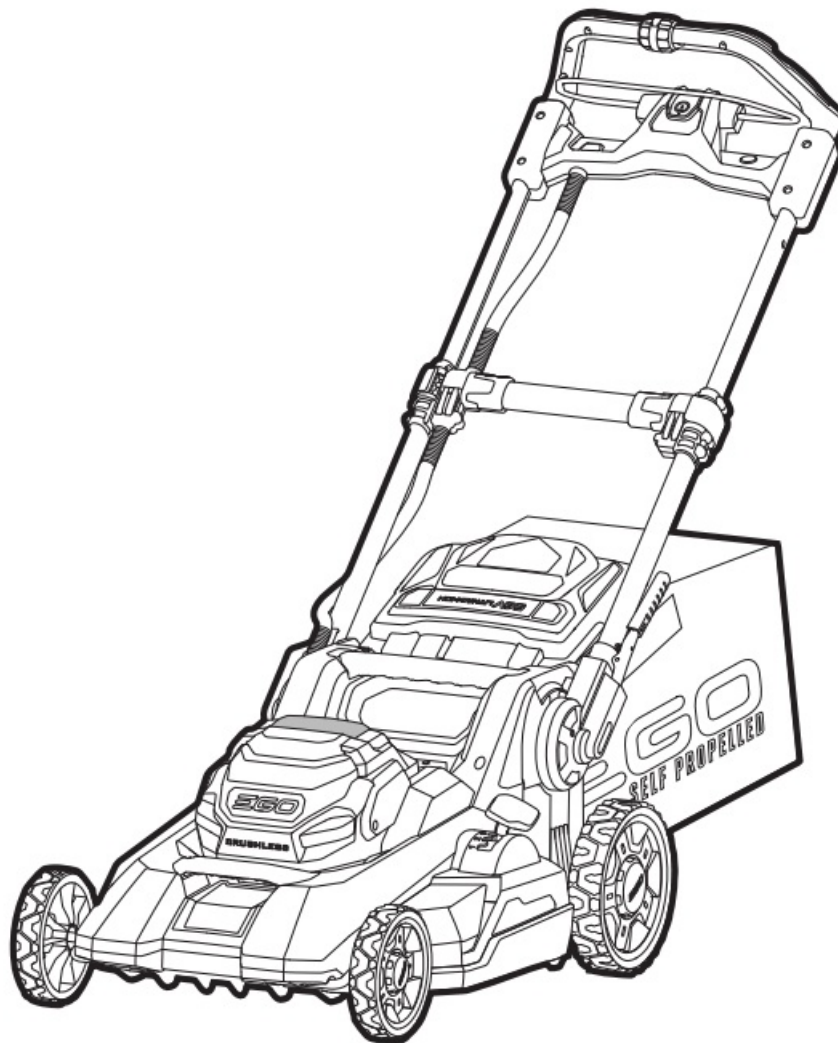


# EGO LM2130E-SP 56 Volt Lithium-Ion Cordless Mower Instruction Manual

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LM2130E-SP  
56 VOLT LITHIUM-ION  
CORDLESS MOWER

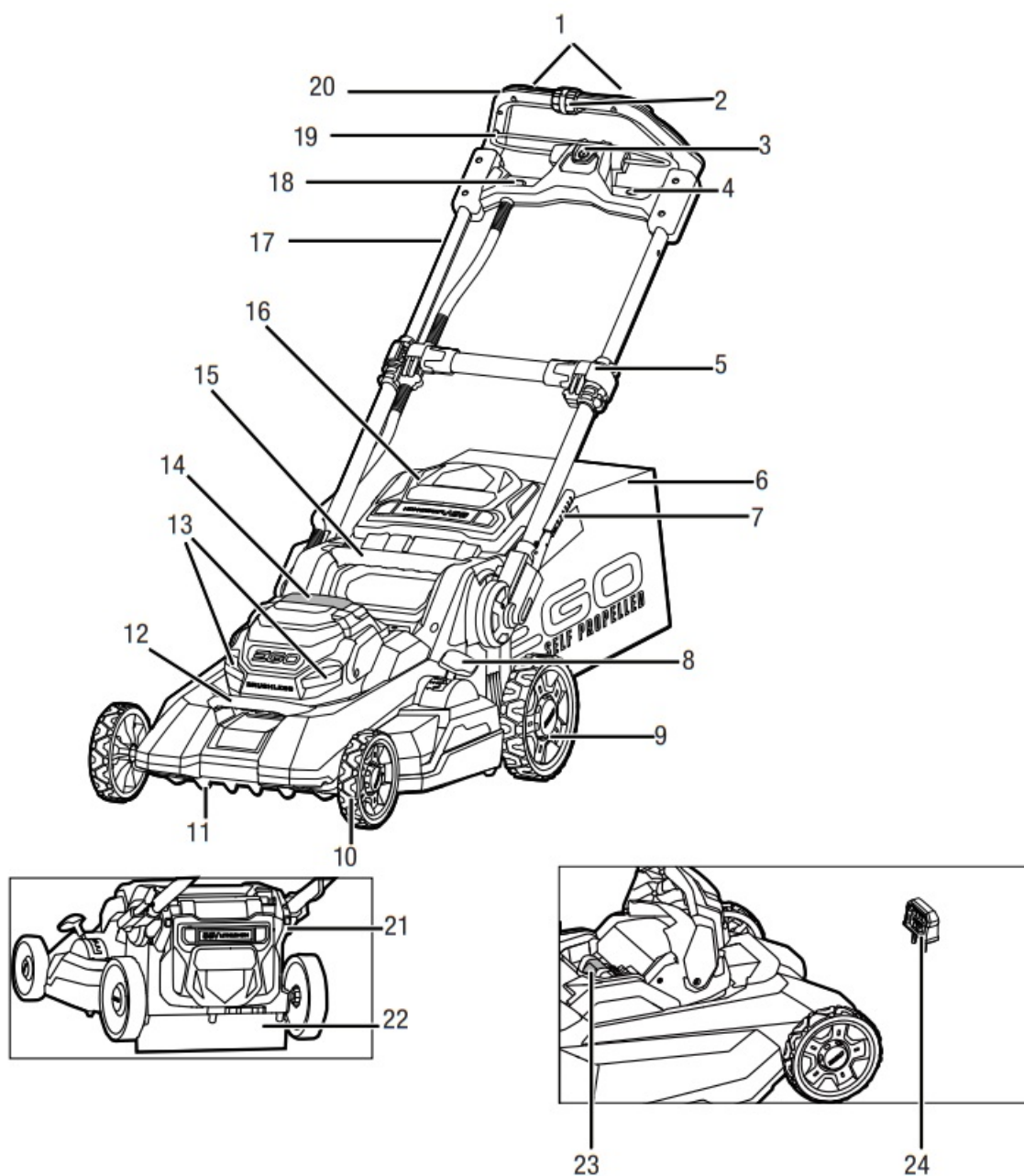


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## LM2130E-SP 56 Volt Lithium-Ion Cordless Mower

**A1**



**A2**

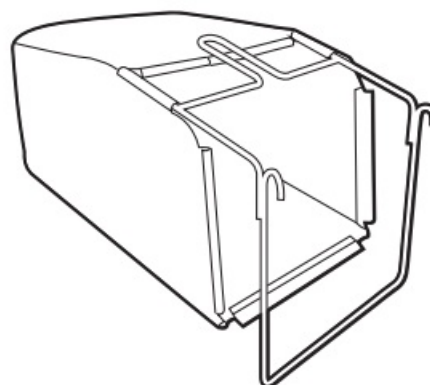
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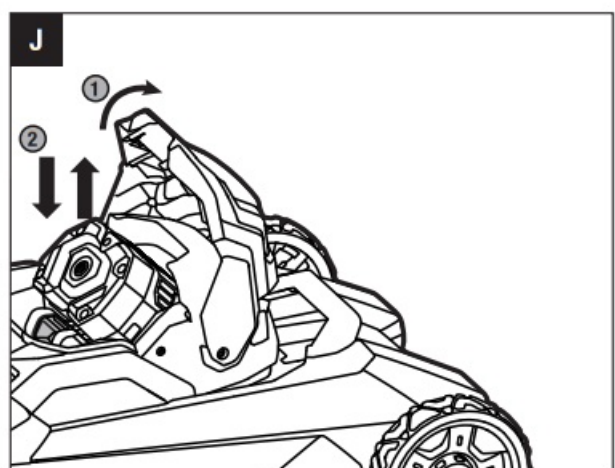
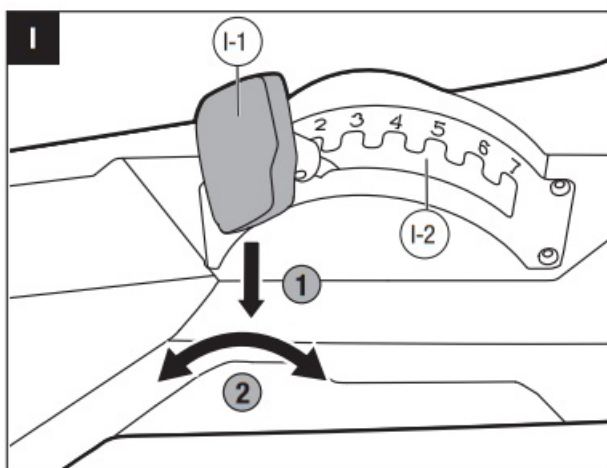
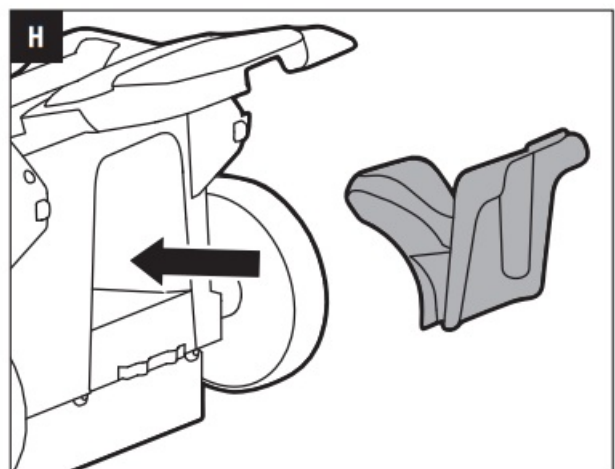
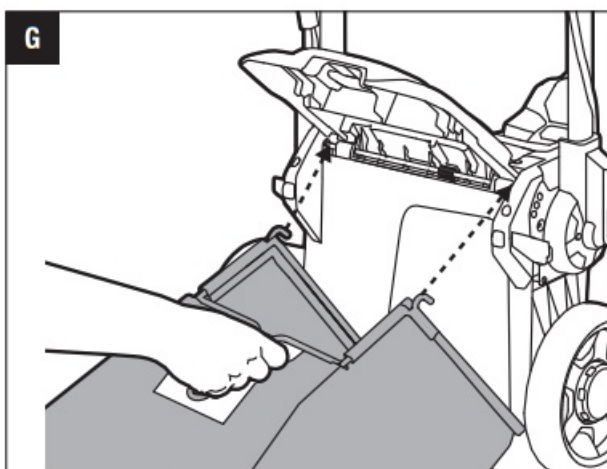
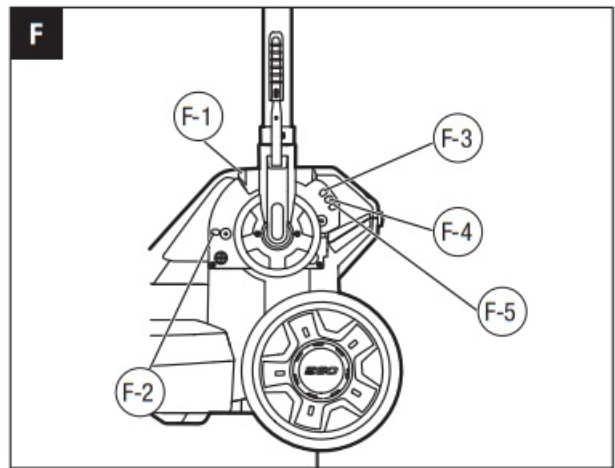
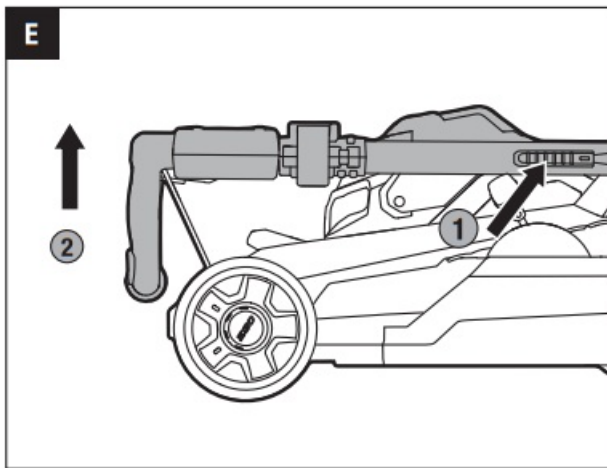
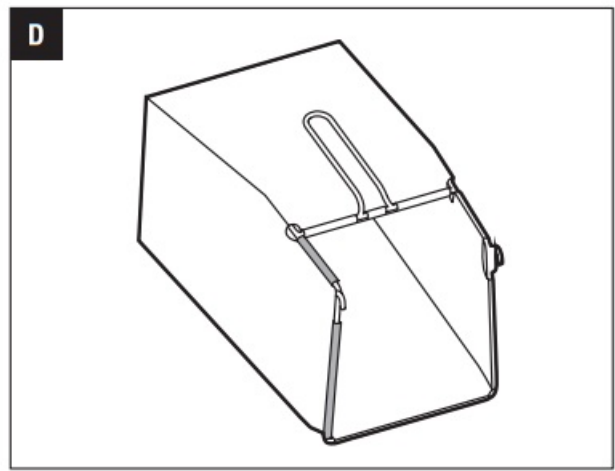
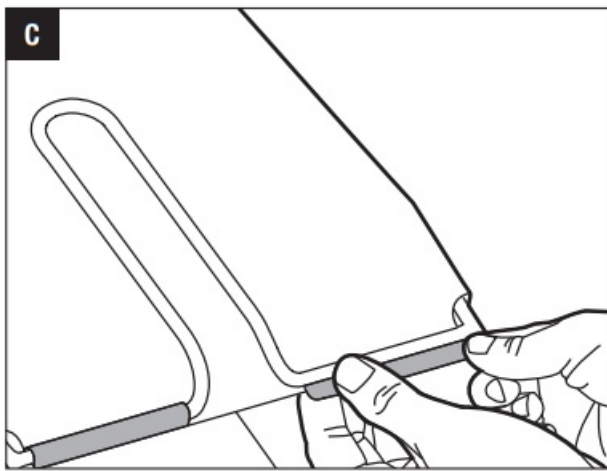


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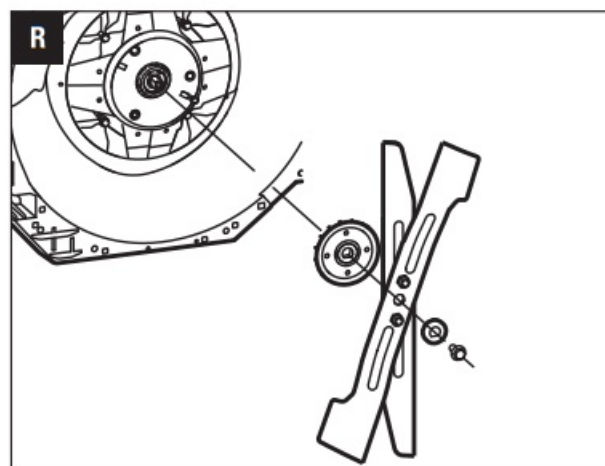
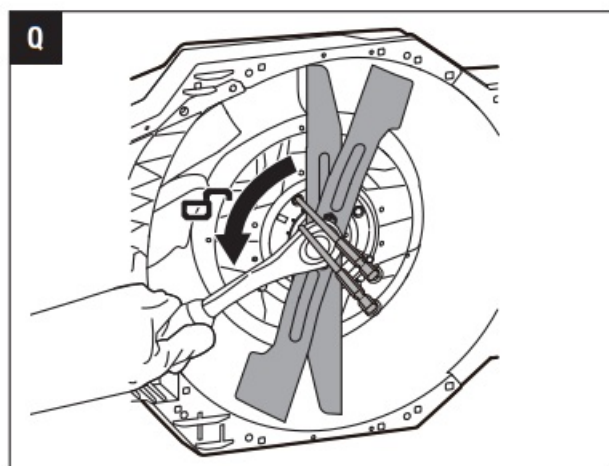
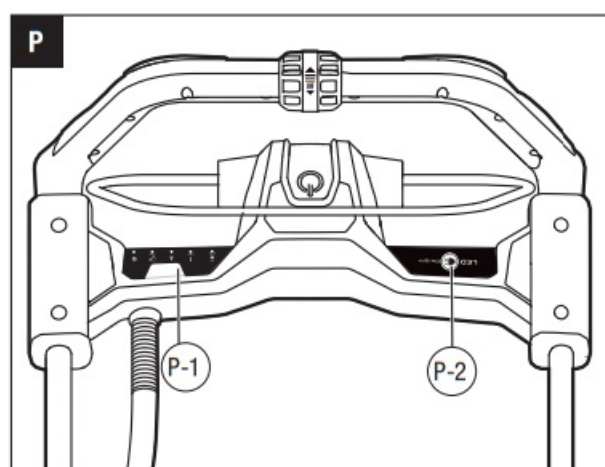
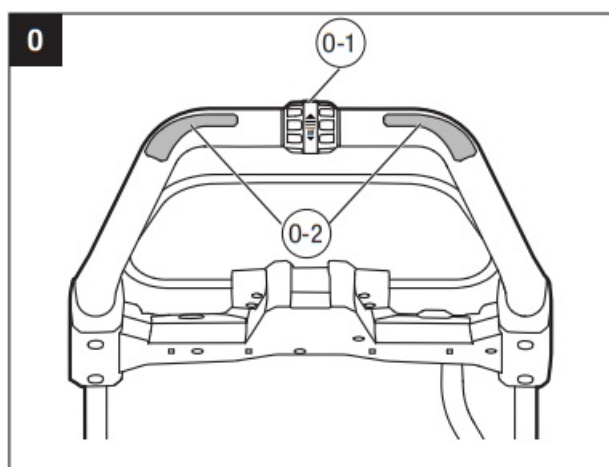
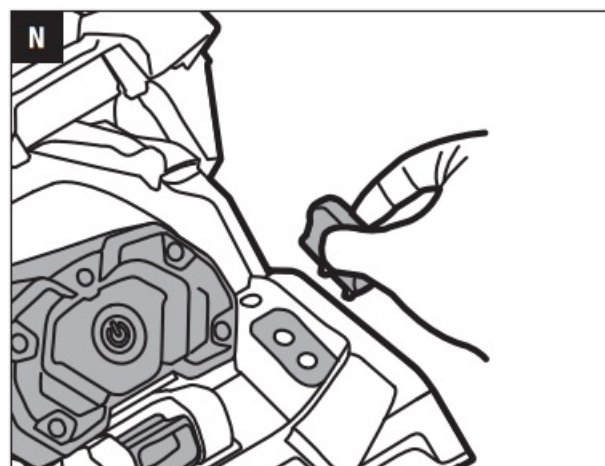
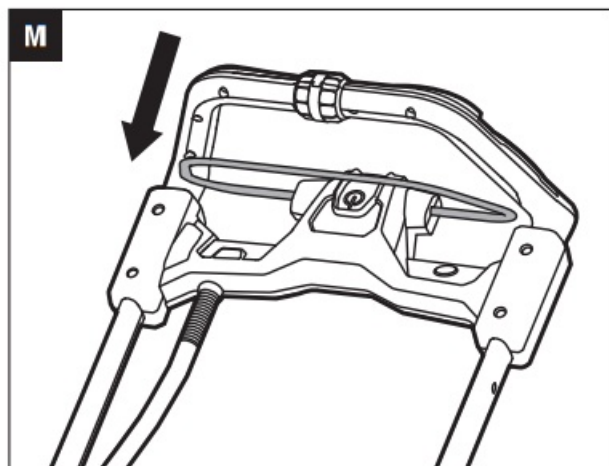
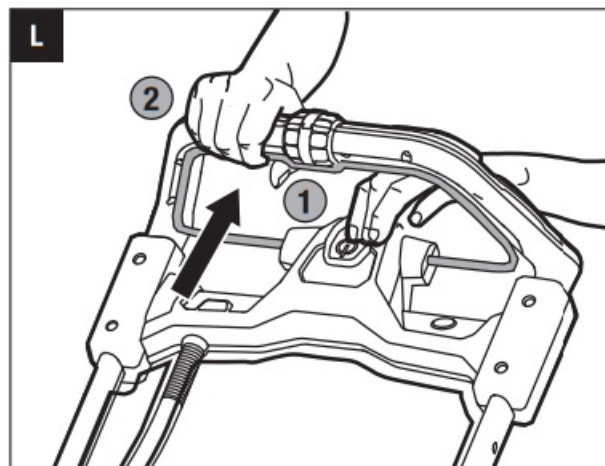
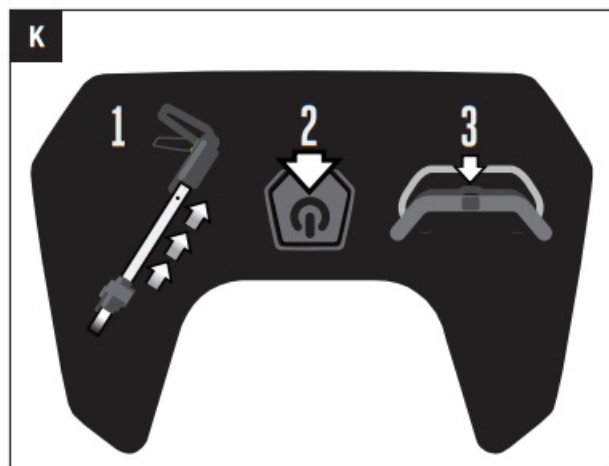


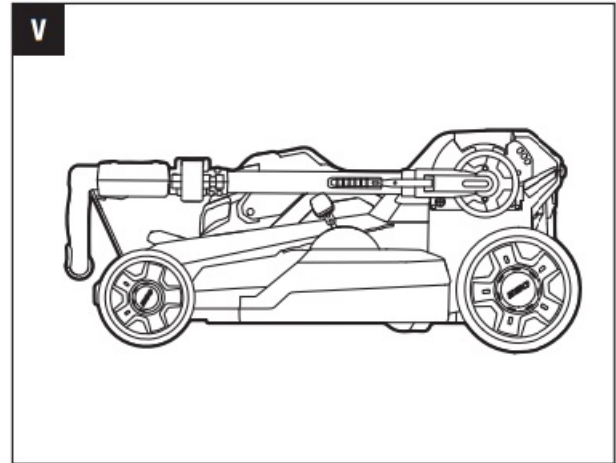
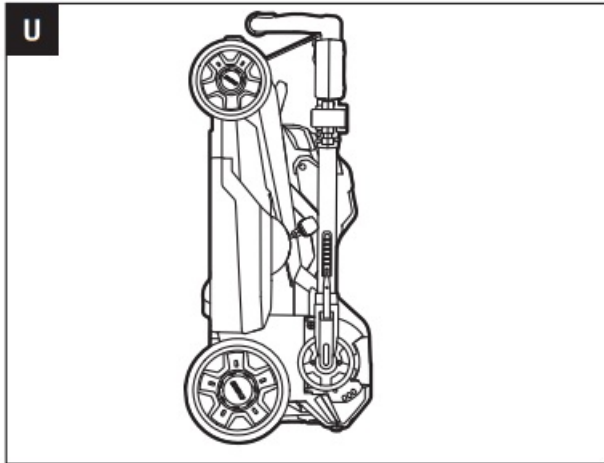
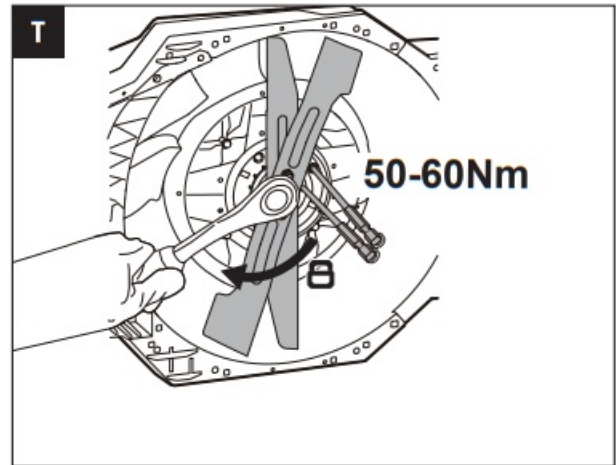
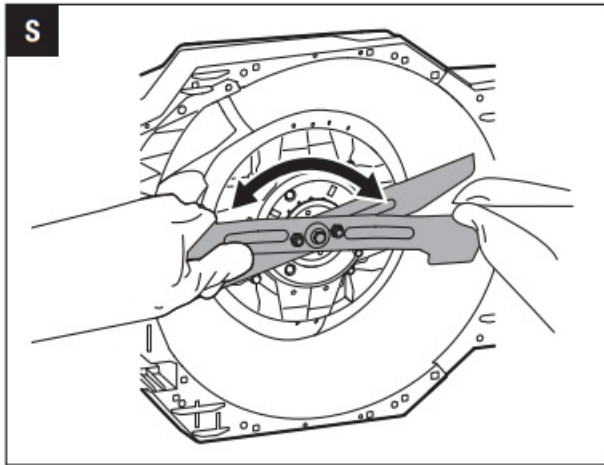
**B**





















## READ ALL INSTRUCTIONS!

Intended use: The product is intended for mowing grass in domestic gardens only. It must not be used to mow unusually high, dry or wet grass.

**WARNING:** Be sure to read and understand all safety instructions in this Operator's Manual, including all safety alert symbols such as "DANGER," "WARNING," and "CAUTION" before using this tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious personal injury.

**WARNING:** The operation of any power tools can result in foreign objects being thrown into your eyes, which can result in severe eye damage. Before beginning power tool operation, always wear safety goggles or safety glasses with side shields and a full face shield when needed. We recommend a Wide Vision Safety Mask for use over eyeglasses or standard safety glasses with side shields.

## SAFETY SYMBOLS

	Safety Alert
	Ensure that other people and pets remain at least 30m away from the mower when it is in use.
	Blades continue to rotate after the motor is switched off – Remove disabling device before maintenance. Switch off and remove detachable battery pack (or disabling device) before adjusting or cleaning.
	This product is in accordance with applicable EC directives.
	Waste electrical products should not be disposed of with household waste. Take to an authorized recycler.
<b>V</b>	Volt
<b>cm</b>	Centimeter
<b>kg</b>	Kilogram
	To reduce the risk of injury, user must read and understand operator's manual before using this product.
	Keep feet & hand away
	Guaranteed sound power level.
	This product is in accordance with applicable UK legislation.
<b>IPX4</b>	Protection against ingress of water degree 4
<b>mm</b>	Millimeter
	Type or a characteristic of current

## SPECIFICATIONS

Voltage	56V	
No-load Speed	2700 RPM	
Cutting Height	25mm/ 32mm/ 40mm 51mm 64mm/ 77mm 90mm	
Cutting Height Positions	7	
Cutting Width	52 cm	
Grass Bag Volume	70 L	
Mower Weight (Without battery/ pack and grass bag)	25.1 kg	
Blade Model	AB2102D-E	
Operating Temperature	0°C-40°C	
Storage Temperature	-20°C-70°C	
Blade Brake	YES	
Measured sound power level LWA	89.8 dB(A) K=3.35 dB(A)	
Sound pressure level at operator's ear LPA	80.3 dB(A) K=3 dB(A)	
Guaranteed sound power level cat (measured according to 2000/14/EC)	93 dB(A)	
Valuation of vibration ah:	Left handle	0.61 m/s <sup>2</sup> K=1.5 m/s <sup>2</sup>
	Right handle	0.54 m/s <sup>2</sup> K=1.5 m/s <sup>2</sup>

## PACKING LIST(FIG. A1)

## DESCRIPTION

### KNOW YOUR MOWER (Fig. A1)

1. Self-Propel Switch
2. Self-Propel Speed-Control Knob
3. Safety Button
4. Switch Button for LED Headlights
5. Handle-Locking Clamp
6. Grass Bag
7. Quick-Adjust Lever
8. Cutting-height Adjustment Lever
9. Rear Wheel
10. Front Wheel
11. Mower Deck
12. Front Handle
13. LED Headlights
14. Battery Cover



15. Rear Handle
16. Rear Discharge Door
17. Side Rail
18. Mower-Status Indicator
19. Switch Lever
20. Handle
21. Support for Upright Storage
22. Trailing Shield
23. Battery-Release Button
24. Safety Key

## OPERATION

### ASSEMBLING THE GRASS BAG

1. Slide the grass bag onto the frame (Fig. B).
2. Assemble the top clips to the frame (Fig. C), then assemble the two side clips. Assemble the bottom clip last.
3. The completely assembled grass bag is shown in Fig. D.

**NOTICE:** Under normal usage, bag material is subject to wear. To reduce the risk of injury, frequently inspect the bag assembly and replace if there are any signs of wear or deterioration. Use only grass bags manufactured for this mower.

### ADJUSTING THE FOLDABLE HANDLE

**WARNING:** Do not attempt to start the mower until the handle has been locked at one of the three preset operating positions (UPPER OPERATING POSITION, MIDDLE OPERATING POSITION and LOWER OPERATING POSITION).

Your mower is shipped with the handle in the compact, LOCKED STORAGE POSITION (Fig. E).

1. Press and hold the quick-adjust lever to release the handle from the LOCKED STORAGE POSITION.
2. Lift the handle from its folded position, then release the lever. Gently pivot the handle upward until you hear and feel the lock pin engage in one of the following different positions as shown in the Fig. F.

F-1	Grass Bag Attachment/Removal Position	F-2	Locked Storage Position
F-3	Upper Operating Position	F-4	Middle Operating Position
F-5	Lower Operating Position		

### ATTACHING THE GRASS BAG

**WARNING:** Do not at any time make any adjustment to the lawn mower without first stopping the motor, removing the safety key and waiting for the blade to stop rotating.

**NOTICE:** Remove the mulching insert or side-discharge chute before attaching the grass bag on the mower.

- To Attach/Remove the Grass Bag (Fig. G) Insert the board of the grass bag into the mower and hang the grass bag on the mower.

**NOTICE:** Remove the pre-installed mulching insert from the mower before attaching the grass bag to the mower.

- To Attach/Remove the Mulching Insert (sold separately) (Fig. H)

## ADJUSTING THE CUTTING HEIGHT (Fig. I)

I-1	Spring-Loaded Cutting-Height Adjustment	I-2	Cutting-Height Indication Plate
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**WARNING:** Keep your feet away from the deck when adjusting its height. The mower can be set to 8 cutting heights between 25mm and 105mm. Choose the proper cutting height according to the types and conditions of the grass.

### ATTACHING/DETACHING THE BATTERY PACK (Fig. J)

Use only with the battery packs and chargers listed in fig A2

#### CHARGE BEFORE FIRST USE



**WARNING:** If any parts are broken or missing, do not attempt to attach the battery pack to the mower or operate the mower until the broken or missing parts are replaced. Failure to do so could result in serious injury.

- To Attach

Push the battery pack into the battery compartment until you hear a “click”.

- To Detach

Depress the battery-release button in the battery compartment.

**NOTICE:** Make sure that the latch on the mower snaps into place and that the battery pack is secured to the mower before starting operation.

## STARTING/STOPPING THE MOWER (Fig. K, L & M)



**WARNING:** The operation of any lawn mower can result in foreign objects being thrown into your or other's eyes, which can damage eyes severely. Always wear safety glasses while operating the mower, or while performing any adjustments or repairs on it.

**WARNING:** The blade will continue to rotate for a few seconds after the mower is turned off. Allow the motor/blade to stop rotating before starting it again. Do not rapidly turn the mower off and on.

### SAFETY KEY (Fig. N)

In order to prevent accidental start-up or unauthorized use of your cordless mower, a removable safety key has been incorporated into the design of your mower. The mower will be completely disabled when the safety key has been removed from the mower.

**DANGER:** Rotating blades can cause serious injury.

To prevent serious injury, remove the safety key when the mower is unattended, or when adjusting, cleaning, servicing, transporting, lifting, or storing the mower.

**NOTICE:** The motor cannot be started unless:

- The handle is locked into one of the three operating positions, see ADJUSTING THE FOLDABLE HANDLE.
- The side rails are fully extended
- Both green handle-locking clamps are securely closed.

**CAUTION:** Do not attempt to override the operation of the safety button and bail switch.

### To Start (Fig. K & L)

1. Attach the battery pack to the mower, insert the safety key into the key slot and close the battery cover.
2. Depress the safety button.

3. With the safety button depressed, pull the bail switch upward to meet the handle and release the safety button.

### To Stop (Fig. M)

1. Fully release the bail switch.
2. The electric brake in the automatic braking mechanism will stop the blade rotation within 3 seconds of the bail switch release.

### LED HEADLIGHTS (Fig. A-13)

Press the switch button (Fig. A-4) to turn on/off the LED headlights in the front of the battery compartment.

### VARIABLE-SPEED SELF-PROPEL SYSTEM

LM2130E-SP mower is equipped with variable-speed selfpropel capability.

This system is independent of the blade

On-Off

switch. it is not dependent on blade rotation.

For example, when you have completed cutting your lawn, you can use the self-propel to propel the mower back to your storage location without blade rotation. Or you may choose to operate the mower as a non-self propelled mower to maximize battery running time.

To operate the self-propel system without blade rotation, turn the self-propel speed-control knob on, press the self-propel trigger(s). There are two self-propel triggers.

Press either trigger to start the self-propel function (Fig. O).

To turn the self-propel off, release the self-propel trigger, turn the self-propel speed-control knob off.

### MOWER-STATUS INDICATOR ON THE MOWER (Fig. P)

The mower is equipped with a power indicator to indicate the charge status of the battery pack and the working status of the mower. The power indicator will illuminate when the blade is rotating or when the LED headlights are turned on.

Mower-status indicator	Meaning	Action
Solid green	Mower is working properly; battery has at least 15% of its charge.	None required.
Flashing green	The side rails are not fully extended.	Stop the mower and make sure that the side rails are fully extended.
	The handle is not locked in an operating position.	Stop the mower and make sure that the handle is locked in an operating position.
Flashing red	Low battery.	Stop the mower and charge the battery pack.
Solid orange	The mower stops due to overheat.	Remove the battery from the mower, move them to the shade and cool them at least 15 minutes.
Flashing orange	The mower is overloaded.	First remove the battery pack, then check and clean if grass has collected beneath the deck. Slow down your pace when cutting. If this does not work, please contact EGO customer service center.

### MOWER OVERLOAD PROTECTION

To prevent overload conditions, do not try to remove too much grass at one time. Slow down your cutting pace or

raise the cut height.

Your mower has built-in overload circuit protection. When the mower is overloaded, the motor will stop and the mower-status indicator on the mower will flash orange.

Remove the battery pack from the mower. Check to see if grass has collected beneath the deck and clear it if necessary, then install the battery and restart the mower.

#### **BATTERY HIGH TEMPERATURE PROTECTION**

The battery pack will generate heat during operation. The heat dissipates more slowly in hot weather. If the battery temperature exceeds 70°C during operation, the protection circuit will immediately turn off the mower to protect the battery pack from heat damage. The mower-status indicator on the mower will off, please see 'BATTERY PROTECTION' section in battery operator's manual. for details.

Release the bail switch, wait until the battery pack cools down to approximately 67°C, then restart the mower.

## **MAINTENANCE**



**WARNING:** To avoid serious personal injury, always remove the safety key from the mower before cleaning, performing any maintenance or transporting the mower.



**WARNING:** When servicing, use only identical replacement parts. Use of any other parts may create a hazard or cause product damage. To ensure safety and reliability, all repairs and replacements should be performed by a qualified service technician.

#### **GENERAL MAINTENANCE**



**WARNING:** Always remove the safety key and battery pack when servicing or transporting the mower.

The underside of mower deck should be cleaned after each use, as grass clippings, leaves, dirt and other debris will accumulate.

Remove any build-up of grass on or around the motor fan.

#### **REMOVING/INSTALLING THE BLADE**

**WARNING:** Always protect your hands by wearing heavy gloves or wrapping the cutting edges with rags or other materials when performing any maintenance on the mower blade. Always remove the battery pack when servicing or transporting the mower.

- To Remove the Blade Following Fig. Q.
- To Install the Blade

Following the assembly sequence in Fig. R, with the fan blade towards deck and the printed blade side towards outside, align the through holes in the fan with the holes in the blade (Fig. S) and then tighten the blade as Fig. T shown.

## **STORING THE MOWER**

- Remove the battery pack from the mower and store it in a cool, dry and clean location. Do not store it next to corrosive materials, such as fertilizer or rock salt.
- Store the mower in a covered, enclosed space, that is cool and dry and out of the reach of children.
- Do not cover the lawn mower with a solid plastic sheet. Plastic coverings trap moisture around the mower, which causes rust and corrosion.
- The mower can be stored upright or flat. (Fig. U & V).

**WARNING:** If the mower tips over from the upright position, mower damage or personal injury may result.

Always keep the mower stable and out of the reach of children when it is in the upright position. If possible, lay

it flat for storage.

### Protecting the environment



Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities.  
Contact your local government for information regarding the collection systems available.



If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.

## TROUBLESHOOTING

**WARNING:** Always remove the safety key and battery pack when servicing or transporting the mower. Always protect your hands by wearing heavy gloves or wrapping the cutting edges with rags or other materials when performing any maintenance on the mower blade.

PROBLEM	CAUSE	SOLUTION
The mower fails to start	<ul style="list-style-type: none"> <li>■ The battery pack is depleted.</li> <li>■ The battery pack is not mounted in place in the battery compartment.</li> <li>■ The battery or mower circuitry is too hot. (The power indicator on the mower will illuminate in orange for 10 seconds)</li> <li>■ The side rails are not extended to their maximum length and the clamps are not locked in position.</li> <li>■ The handle is not set at one of the three operating positions.</li> <li>■ The mower deck is clogged with grass and debris.</li> </ul>	<ul style="list-style-type: none"> <li>■ Charge the battery pack.</li> <li>■ Attach the battery pack to the mower; press it until you hear a click</li> <li>■ Allow the battery pack or mower to cool until the temperature drops below 67°C.</li> <li>■ Fully extend the handle and lock both clamps.</li> <li>■ Adjust the handle to one of the three operating positions.</li> <li>■ Clean the mower deck and make certain that the blade has freedom of movement.</li> </ul>
The mower cuts unevenly	<ul style="list-style-type: none"> <li>•The blade is dull. ■ The cutting height is not set properly.</li> <li>■ The blade is assembled incorrectly.</li> </ul>	<ul style="list-style-type: none"> <li>•Sharpen or replace the blade.</li> <li>■ Raise the deck to a higher cutting height setting.</li> <li>■ Reassemble the blade, following the section “INSTALLING THE BLADE” in this manual.</li> </ul>
The mower stops while mowing	<ul style="list-style-type: none"> <li>■ The battery pack is depleted.</li> <li>■ Mower is in overload condition.</li> <li>■ Mower deck is clogged with grass and debris.</li> <li>■ The battery or mower circuitry is too hot (The power indicator on the mower will illuminate orange for 10 seconds.)</li> <li>■ The side rail is retracted a little by the pushing force applying on the handle.</li> </ul>	<ul style="list-style-type: none"> <li>■ Charge the battery pack.</li> <li>■ Raise the cutting height or slow down the mowing.</li> <li>■ Unclog the mower deck. Raise the cutting height, or cut a narrow swath.</li> <li>■ Allow the battery pack or mower to cool until the temperature drops below 67°C.</li> <li>■ Unlock the clamps. Fully extend the side rails and lock the clamps again.</li> </ul>
The mower does not mulch properly	<ul style="list-style-type: none"> <li>■ Wet grass clippings are sticking to the underside of the deck.</li> <li>■ The mower is set to cut too much grass at once.</li> </ul>	<ul style="list-style-type: none"> <li>■ Wait until the grass dries before mowing.</li> <li>■ Raise the deck to a higher cutting height setting.</li> </ul>


## WARRANTY

### EGO WARRANTY POLICY

Please visit the website [egopowerplus.com](http://egopowerplus.com) for full terms and conditions of the EGO Warranty policy.

## Documents / Resources





**[EGO LM2130E-SP 56 Volt Lithium-Ion Cordless Mower](#)** [pdf] Instruction Manual

LM2130E-SP 56 Volt Lithium-Ion Cordless Mower, LM2130E-SP, 56 Volt Lithium-Ion Cordless Mower, Lithium-Ion Cordless Mower, Cordless Mower

References

-  [The #1 Rated Brand in Cordless Outdoor Power Equipment | EGO](#)