

**RYOBI**®

ORIGINAL INSTRUCTIONS

# Cordless Lawn Mower

RLM18X36L40  
OLM1836H



## **Important!**

It is essential that you read the instructions in this manual before assembling, operating, and maintaining the product.

Subject to technical modification.

Safety, performance, and dependability have been given top priority in the design of your cordless lawn mower.

### INTENDED USE

The cordless lawn mower is only intended for use outdoors.

The product is designed for domestic lawn mowing. The cutting blade should rotate approximately parallel to the ground over which it is being wheeled. All four wheels should touch the ground while mowing. It is a pedestrian-controlled walk-behind mower designed to be pushed by hand.

The product should never be operated with the wheels off the ground; it should not be pulled or ridden on. It should not be used to cut anything other than domestic grass lawns. Do not use the product for any other purpose.

### GENERAL SAFETY WARNINGS

#### ▲ WARNING

When using the product, the safety rules must be followed. For your own safety and that of bystanders, please read these instructions before operating the product. Please keep the instructions safe for later use.

#### ▲ WARNING

The product should only be operated with the battery pack. When using battery operated product, basic safety precautions should always be followed to reduce the risk of fire, leaking batteries and personal injury.

### PERSONAL SAFETY

- The product is capable of amputating hands and feet, and throwing objects. Failure to observe all safety instructions could result in serious injury or death.
- Read and understand the instructions and safety warnings. Be familiar with the controls and the correct use of the product.
- Never allow children or people with reduced physical, sensory or mental capabilities, or people unfamiliar with these instructions, to operate, clean or maintain the product. Local regulations may restrict the age of the

operator. Children should be adequately supervised to ensure they do not play with the appliance.

- Stay alert, watch what you are doing, and use common sense when operating the product. Do not operate the product while tired or under the influence of drugs, alcohol, or medication. A lapse in concentration while operating the product may result in serious personal injury.
- Wear heavy, long trousers, long sleeves, sturdy anti-slip footwear. Do not wear short trousers, sandals, or go barefoot. Avoid wearing clothing that is loose fitting or that has hanging cords or ties.
- Always wear safety glasses with side shields.
- Always be sure of your footing. Keep firm footing and balance. Walk, never run.
- Always be sure of your footing on slopes.
- Use the product across the face of slopes, never up and down. Exercise extreme caution when changing direction on slopes.
- Do not use the product near drop-offs, ditches, excessively steep slopes, or embankments. Poor footing could cause a slip and fall accident.

### WORK AREA SAFETY

- Never use product while people, especially children, or pets are within 15 m because of the danger of objects being thrown by contact with the blade.
- Objects struck by the lawn mower blade can cause severe injuries to persons. Thoroughly inspect the area where the product is to be used and remove all rocks, sticks, metal, wire, bones, toys, or other foreign objects. Remember, string or wire may entangle with the cutting means.
- Always use the product in the daylight or in good artificial light.
- Do not operate the product in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. The product creates sparks which may ignite the dust or fumes.
- Do not operate the product in wet grass or in the rain.
- Do not use the lawn mower when there is a risk of lightning.

- Keep in mind that the operator or user is responsible for accidents or hazards occurring to other people or their property.
- Tragic accidents can occur if the operator is not alert to the presence of children. Children are often attracted to the product and the mowing activity. Never assume that children will remain where you last saw them.
- Keep children out of the mowing area and under the watchful care of a responsible adult other than the operator, be alert and turn the product off if a child enters the area.
- Use extra care when approaching blind corners, shrubs, trees, or other objects including overhanging shrubs, etc., which may block your view.

### **BATTERY TOOL USE AND CARE**

- Read, understand, and always follow the safety instructions which came with your battery and charger. Failure to do so may result in electric shock, fire or other hazardous situations. Keep all the instructions together in a safe place for future reference.
- Battery-operated products do not have to be plugged into an electrical outlet; therefore, they are always in operating condition. Remove the isolator key whenever you are not operating the product.
- Remove the battery pack before making any adjustments, cleaning, or removing material from the product.
- Ensure the isolator key is removed before inserting the battery pack.
- A battery pack must be recharged only with the charger specified by the manufacturer. Using a charger with an incompatible battery pack may create a risk of fire. Use the battery pack only with charger listed.
- Use only the battery pack intended specifically for the product. Use of any other battery packs may result in a risk of fire, electric shock, or injury to persons.
- When the battery pack is not in use, keep it away from other metal objects like, paper clips, coins, keys, nails, screws, or other small metal objects, that can make a connection from one terminal to another. Shorting the battery pack terminals

together may cause sparks, burns, fire, or explosion.

- Do not place battery products or their batteries near fire or heat. This increases the risk of explosion and possibly injury.
- Do not open or mutilate the battery pack. Released electrolyte is corrosive and may cause damage to the eyes or skin. It may be toxic if swallowed.
- Protect the battery pack against moisture and water. Do not charge the product in a damp or wet location. Following this rule will reduce the risk of electric shock.
- In case of damage and improper use of the battery, vapour may be emitted. Provide for fresh air and seek medical help in case of complaints. The vapour can irritate the respiratory system.
- Do not leave the battery pack inside a vehicle in hot or cold conditions.
- Do not incinerate the battery.
- Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.

### **LAWN MOWER SAFETY WARNINGS**

- Before using, always visually inspect to ensure blades, blade bolts, and cutter assembly are not worn or damaged.
- Replace worn or damaged blades and bolts in sets to preserve balance.
- The blade on this mower is sharp, use extreme caution and wear heavy-duty gloves when fitting, replacing, cleaning or checking bolt security.
- Bring the product to an authorised service centre to replace damaged or unreadable labels.
- Check all nuts, bolts, and screws at frequent intervals for proper tightness to be sure the equipment is in safe working condition.
- Check the grass catcher frequently for wear, holes, or deterioration.
- Replace worn or damaged parts before operating the product.
- The product must be started with the user

behind the handlebars in the operator safety zone. Never start the product if:

- all four wheels are not on the ground
- the grass discharge chute is exposed without being protected by either the mulching plug and grass discharge chute cover, or the grass catcher and grass discharge chute cover
- hands and feet of all persons are not clear of the cutting enclosure
- Never operate the product if the on/off switch on the handlebar does not properly start and stop the mower.
- Never attempt to lock the on/off switches in the on position, this is extremely dangerous.
- Do not force the product. It will do the job better and safer at the speed for which it was designed.
- Stop the blade when crossing gravel surfaces.
- Do not pull the product backward unless absolutely necessary. If you must back the product away from a wall or obstruction, first look down and behind to avoid tripping or pulling the product over your feet.
- Stop the motor and allow the blade to stop if the mower has to be tilted for transportation when crossing surfaces other than grass, and when transporting the product to and from the area to be mowed.
- Never use the product with defective guards or shields, or without safety devices, for example, deflectors and/ or grass catcher, in place.
- Do not tilt the lawn mower when switching on the motor or while the motor is running. This exposes the blade and increases the probability of objects being thrown.
- Switch on the motor carefully according to instructions and keep hands and feet away from cutting area. Keep clear of the discharge opening at all times. Do not start the product when standing in front of the discharge opening.
- Do not put hands or feet near or under rotating parts. Keep clear of the discharge opening at all time.
- Never pick up or carry the product while it is running.
- Turn off the product and remove isolator key. Make sure all moving parts have come

to a complete stop:

- before leaving the product unattended (including disposal of grass clippings).
- before clearing blockages or unclogging discharge chute
- before checking, cleaning, or working on the product
- before removing the grass catcher or opening the grass discharge chute cover
- after striking a foreign object (inspect the product for damage and make repairs as necessary before restarting and operating the product)
- whenever the product starts to vibrate abnormally (check immediately)
  - inspect for damage, particularly the blades
  - replace or repair any damaged parts
  - check for and tighten any loose parts
- Avoid holes, ruts, bumps, rocks, property stakes, or other hidden objects. Uneven terrain could cause a slip and fall accident.
- Always ensure the motor control cable is never trapped, pinched or otherwise damaged during assembly or when folding the handle.

## ADDITIONAL BATTERY SAFETY WARNINGS

### ⚠ WARNING

To reduce the risk of fire, personal injury, and product damage due to short circuit, never immerse your tool, battery pack, or charger in fluid or allow a fluid to flow inside them. Corrosive or conductive fluids, such as seawater, certain industrial chemicals, and bleach or bleach-containing products, etc., can cause a short circuit.

## OVERLOAD AND OVERHEAT PROTECTION

The product has an overload protection device. When overloading is detected, the product will automatically switch off. If the overload protector is actuated, the on-off button must be released. Press the on-off button to restart the product.

The battery pack has overheat protection. Excessive temperatures will cause the battery

to stop powering the product. Feel the battery pack; if it is too warm, allow it to cool down before resuming operation. If the product still does not work, recharge the battery.

**NOTE:** The battery pack LED indicator will not work if the battery protection feature has caused the battery pack to stop powering the product. Release the on-off button or remove the battery pack from the product and the battery pack LED indicator will resume normal function.

### GENERAL MOWING TIPS

The run time of the battery depends on the condition, length, and density of the grass.

Adjust the cutting height of the lawn mower to suit the current condition of the lawn.

- For best performance, always cut off one-third or less of the total height of the grass.
- When cutting long grass, reduce walking speed to allow for more effective cutting and a proper discharge of the clippings.
- Do not cut wet grass; it will stick to the underside of the deck and prevent proper collection or discharge of grass clippings.
- New or thick grass may require a higher cutting height.
- If you wish to collect the grass cuttings for disposal, remove the mulching plug and fit the grass catcher making sure the top flap is properly closed. Empty the grass catcher regularly; otherwise, the discharge chute will become blocked with grass cuttings.
- If you are making a light cut and wish for the grass cuttings to remain on the lawn, fit the mulching plug and close the top flap to cover the discharge opening. It is not necessary to fit the grass catcher in this case.
- A higher cutting height will extend the run time of the battery.
- The product is designed to operate and cut most effectively when moving forwards.

### TRANSPORTATION AND STORAGE

- Stop the product, remove the isolator key and the battery. Make sure that all moving parts have come to a complete stop. Allow the product to cool down before storing or transporting.

- Clean all foreign material from the product. Store it in a cool, dry, and well-ventilated place that is inaccessible to children. Keep away from corrosive agents such as garden chemicals and de-icing salts. Do not store outdoors.
- For transportation in vehicles, remove isolator key and secure the product against movement or falling to prevent injury to persons or damage to the product.

#### ▲ WARNING

Use extreme caution when lifting or tilting the product for maintenance, cleaning, storage, or transportation. The blade is sharp. Keep all body parts away from the blade while it is exposed.

### MAINTENANCE

#### ▲ WARNING

Use only original manufacturer's replacement parts, accessories, and attachments. Failure to do so can cause injury, poor performance, and may void your warranty.

#### ▲ WARNING

Servicing requires extreme care and knowledge and should be performed only by a qualified service technician. For service, we suggest you bring the product to your nearest authorized service center for repair. When servicing, use only original replacement parts.

- Stop the product, remove the isolator key and the battery before any cleaning or maintenance task.
- You may make adjustments and repairs described here. For other repairs, contact the authorized service agent.
- Check the grass catcher frequently for wear or deterioration.
- After each use, clean the product with a soft dry cloth. Any part that is damaged should be properly repaired or replaced by an authorised service centre.
- Check all nuts, bolts, and screws at frequent

intervals for proper tightness to ensure the product is in safe working condition.

- Be careful during adjustment of the product to prevent entrapment of the fingers between moving blades and fixed parts of the product.
- When servicing the blades be aware that, even though the power source is switched off, the blades can still be moved.
- The blade on the product is sharp. Use extreme caution and wear heavy-duty gloves when fitting, replacing, cleaning, or checking bolt security.
- Replace damaged blades and bolts in sets to preserve balance.
- The blade bolts must be adequately tightened. **See the manufacturer's recommendations for blade bolt torque which can be found in the product specification table in this manual.**

### RESIDUAL RISKS

Even when the product is used as prescribed, it is still impossible to completely eliminate certain residual risk factors. The following hazards may arise in use and the operator should pay special attention to avoid the following:

- injury caused by vibration
  - Always use the right tool for the job. Use designated handles and restrict working time and exposure.
- injury caused by noise
  - Exposure to noise can cause hearing injury. Wear ear protection and limit exposure.
- injury from contact with the blades
- injury caused by thrown objects

### RISK REDUCTION

It has been reported that vibrations from handheld tools may contribute to a condition called Raynaud's Syndrome. Symptoms may include tingling, numbness, and blanching of the fingers, usually apparent upon exposure to cold. Hereditary factors, exposure to cold and dampness, diet, smoking, and work practices are all thought to contribute to the development of these symptoms. There are

measures that can be taken by the operator to possibly reduce the effects of vibration:

- Keep your body warm in cold weather. When operating the product, wear gloves to keep the hands and wrists warm.
- After each period of operation, exercise to increase blood circulation.
- Take frequent work breaks. Limit the amount of exposure per day.

If you experience any of the symptoms of this condition, immediately discontinue use and see your doctor.

### ⚠ WARNING

Injuries may be caused, or aggravated, by prolonged use of a tool. When using any tool for prolonged periods, ensure you take regular breaks.

### SYMBOLS ON THE PRODUCT



Read and understand all instructions before operating the product, follow all warnings and safety instructions.



Wear ear protection.



Wear eye protection.



Do not operate on inclines greater than 15°. Mow across the face of slopes, never up and down.



Do not expose to rain or damp condition.



Beware of sharp blades. Blades continue to rotate after the motor is switched off – Remove isolator key before maintenance



Beware of thrown or flying objects. Keep all bystanders, especially children and pets, at least 15m away from the operating area.



Press the Start button and then the On-off lever to start the product. Release the Start button and keep pressing the On-off lever to run the product. Release the On-off lever to stop the product.



Please read the instructions carefully before using the product.



Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.



Regulatory Compliance Mark (RCM). Product meets applicable regulatory requirements.



The guaranteed sound power level is shown on this label by 94 dB.

The following signal words and meanings are intended to explain the levels of risk associated with the product:

**⚠ 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.

**CAUTION**

(Without safety alert symbol) Indicates a situation that may result in property damage.

**SYMBOLS IN THIS MANUAL**



Parts or accessories sold separately



Keep hands away from blades



Note



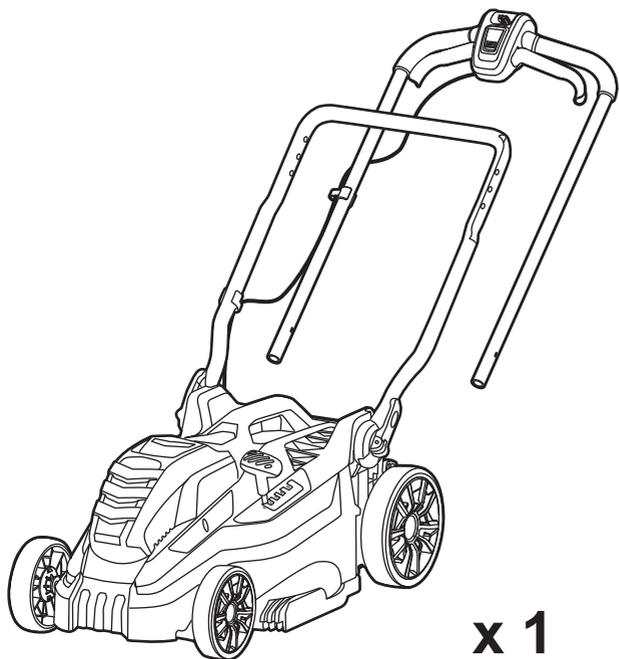
Warning



Stop the product.

UNPACKING

RLM18X36L40



**x 1**



**x 1**



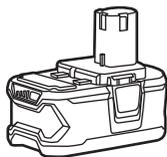
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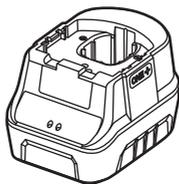
**x 2**



**x 2**



**x 1**



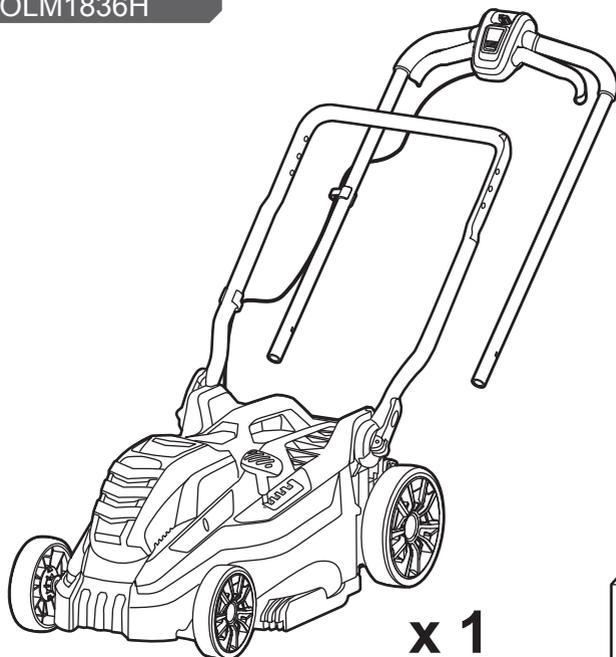
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UNPACKING

OLM1836H



x 1



x 1



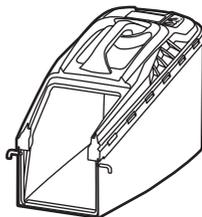
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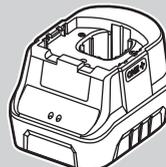
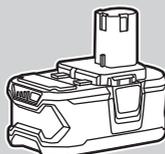
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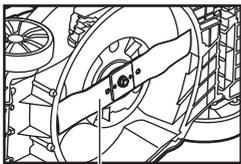
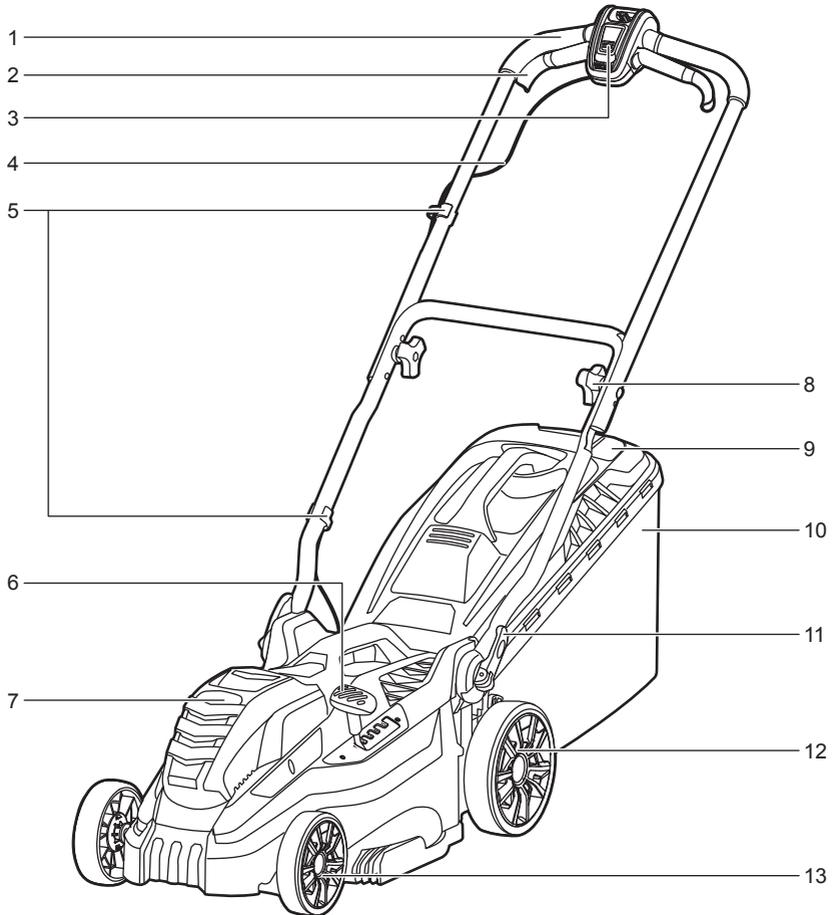


13mm



## KNOW YOUR PRODUCT

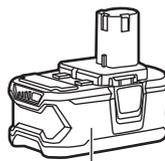
1. Handle
2. On-off lever
3. Start button
4. Motor control cable
5. Motor control cable retainer
6. Height adjustment lever
7. Battery door
8. Tightening knob for handles
9. Grass catcher full indicator
10. Grass catcher
11. Quick-release fastener
12. Rear wheel
13. Front wheel
14. Mower blade
15. Isolator key
16. Battery
17. Charger



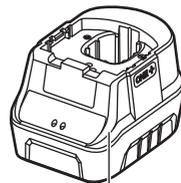
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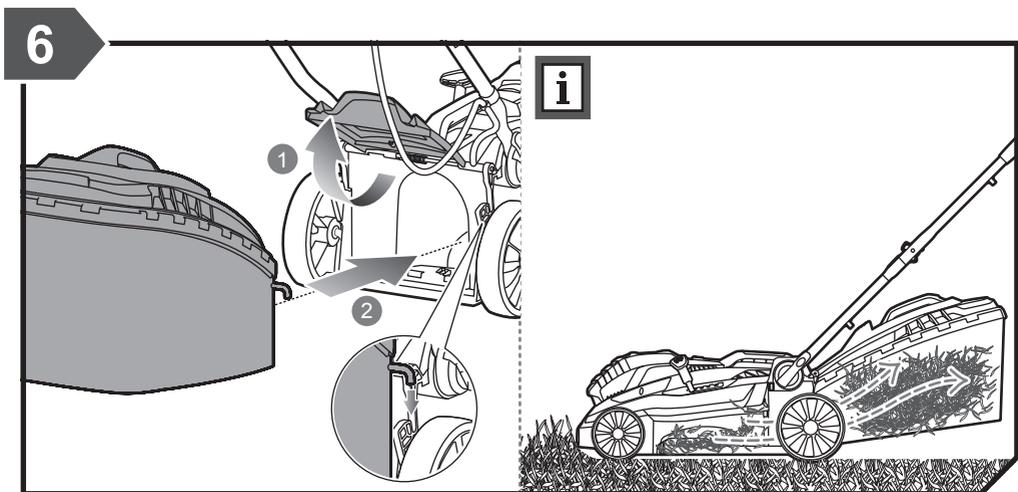
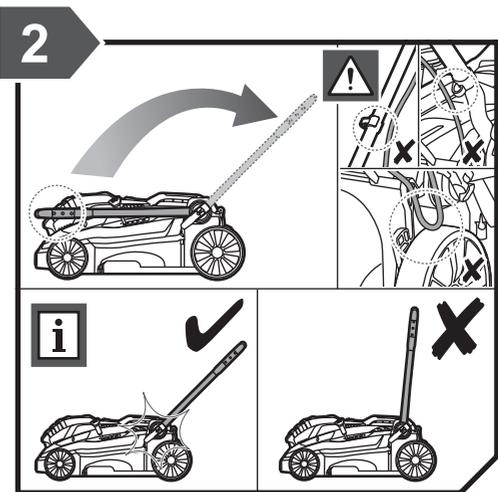
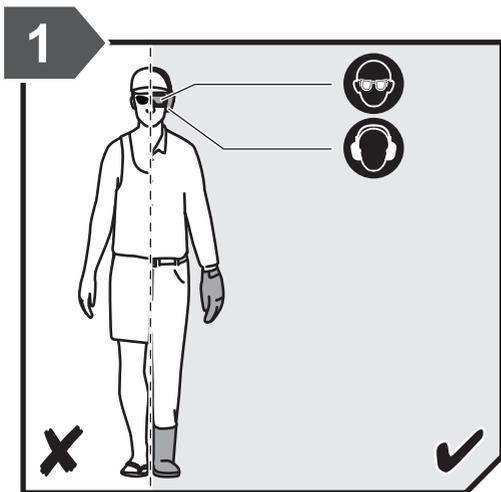


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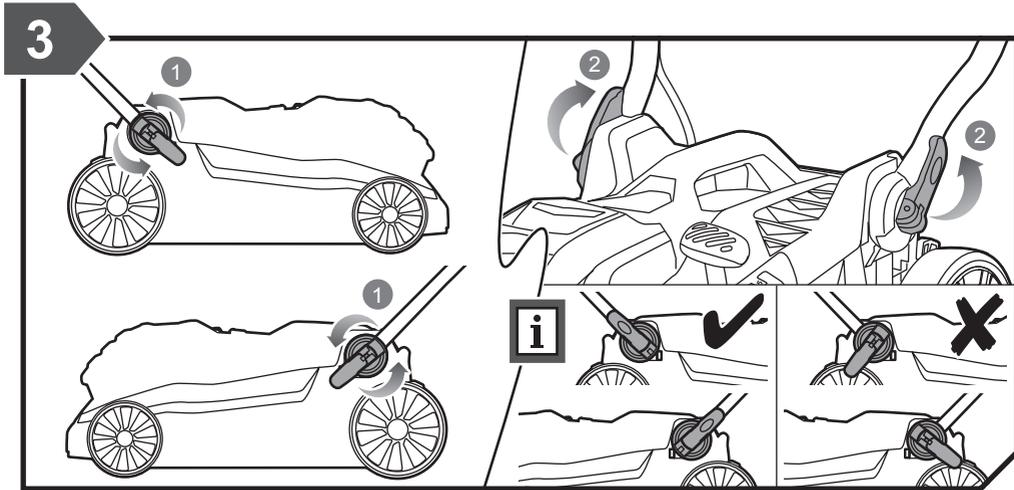


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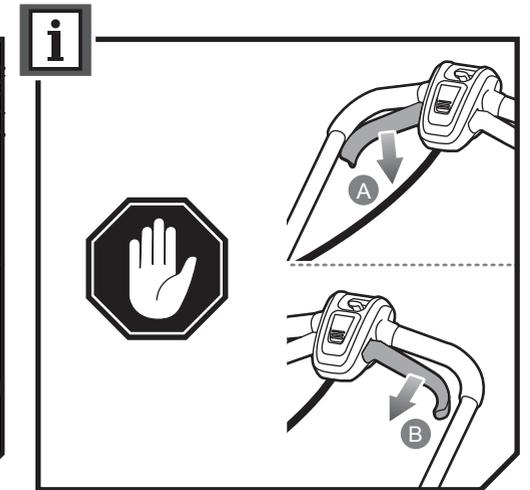
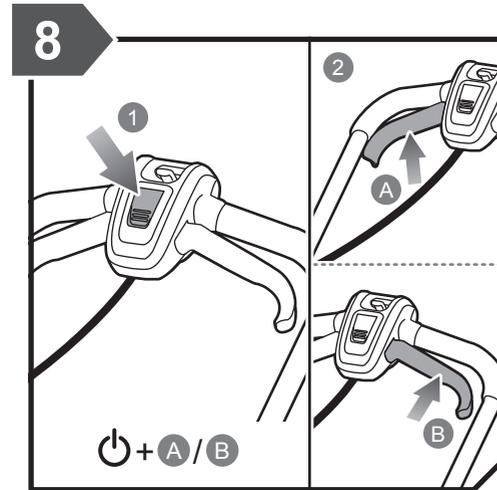
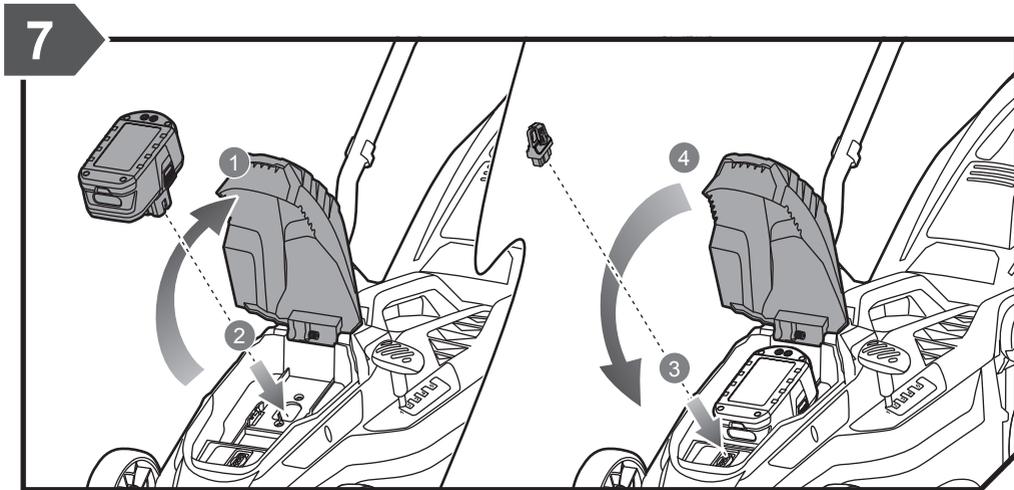
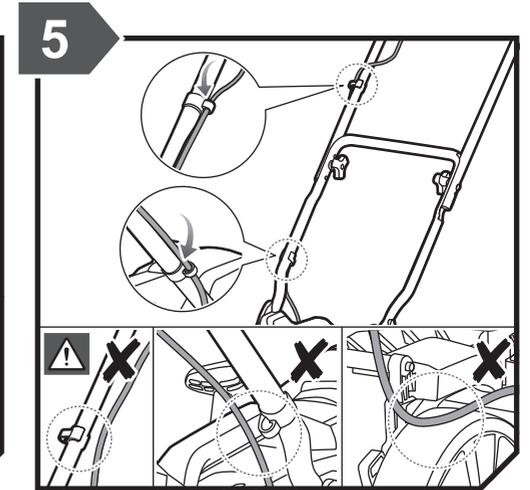
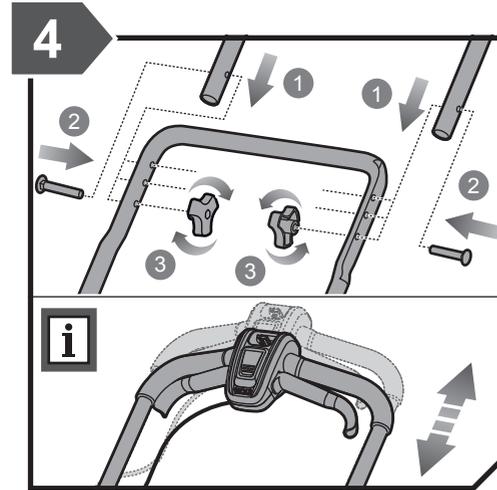
# GETTING STARTED



GETTING STARTED

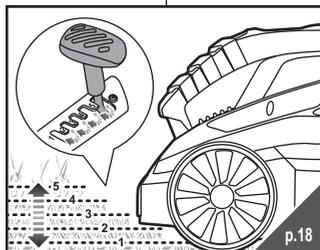
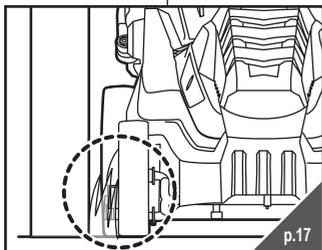
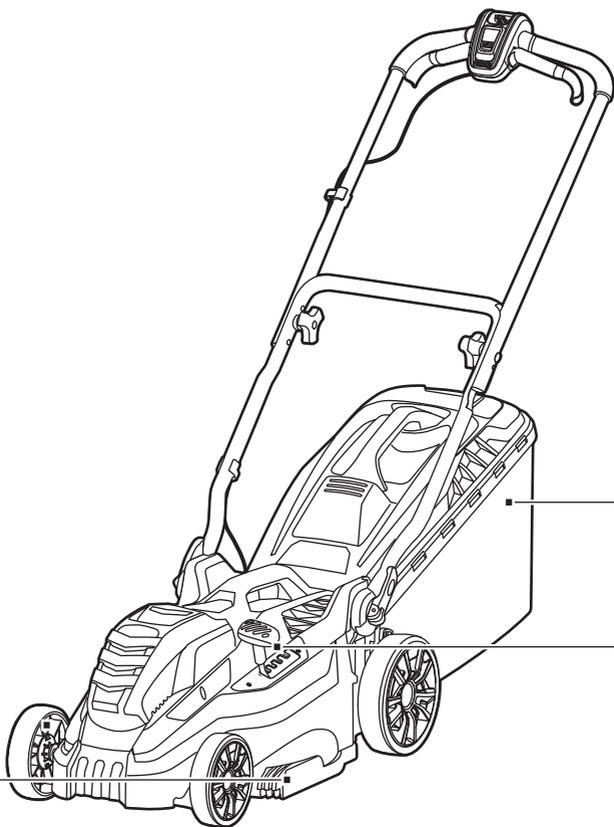
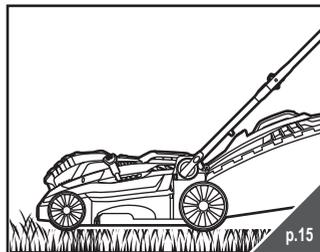


GETTING STARTED

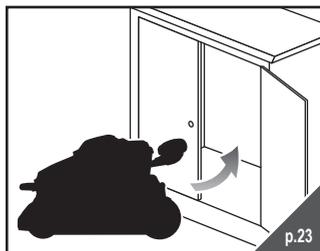
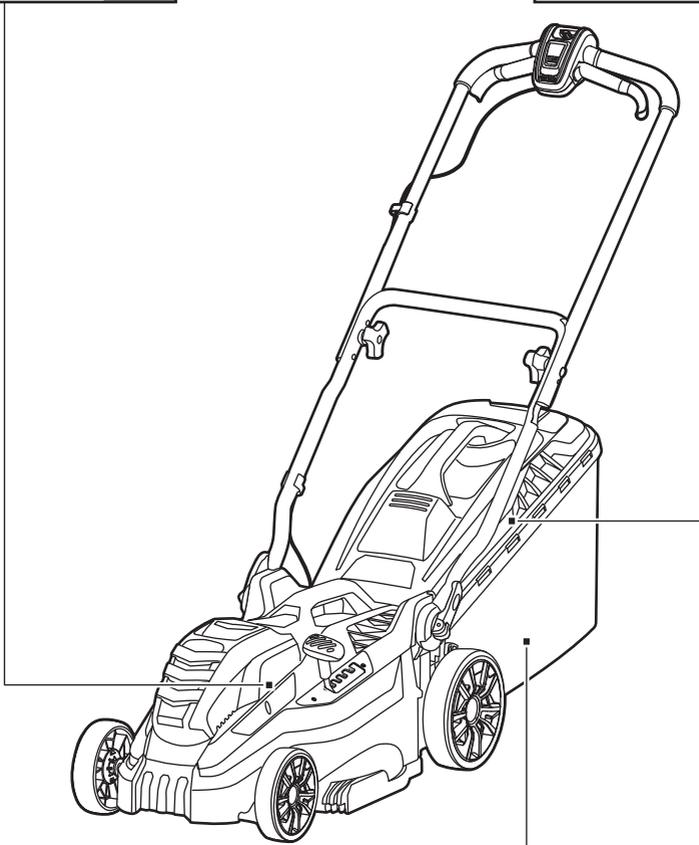
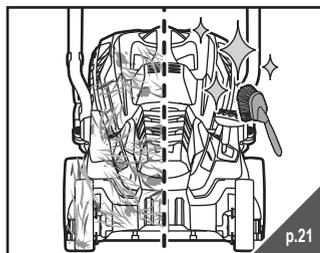
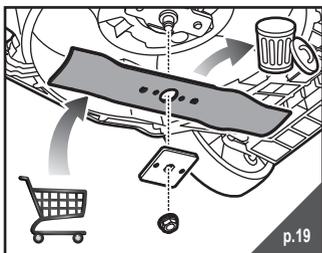




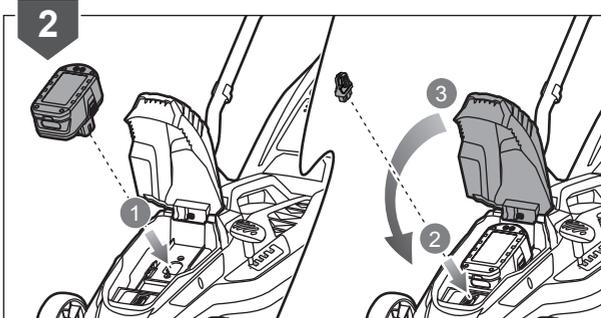
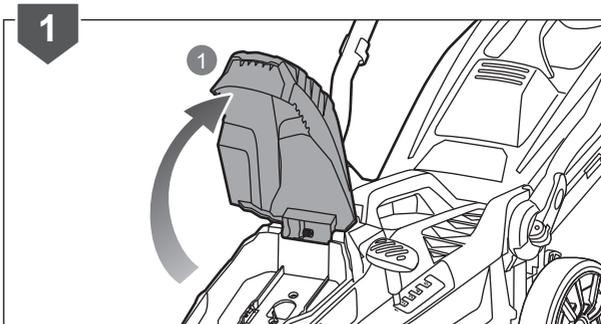
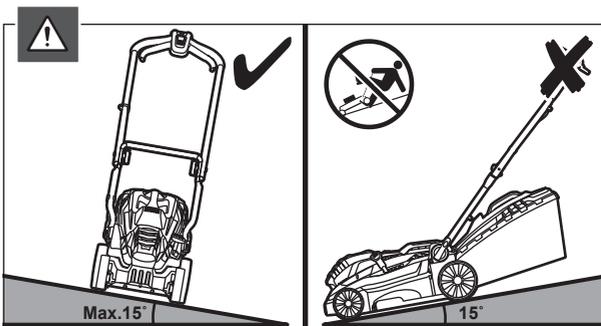
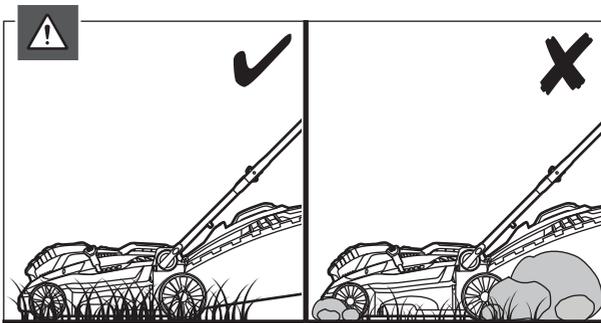
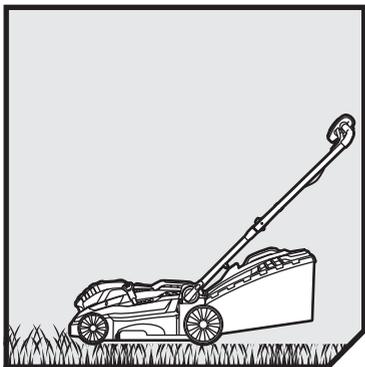
# OVERVIEW



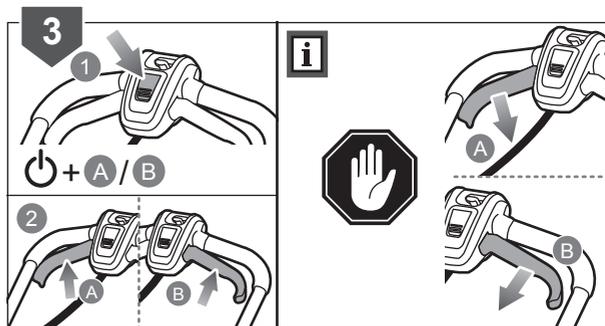
# OVERVIEW



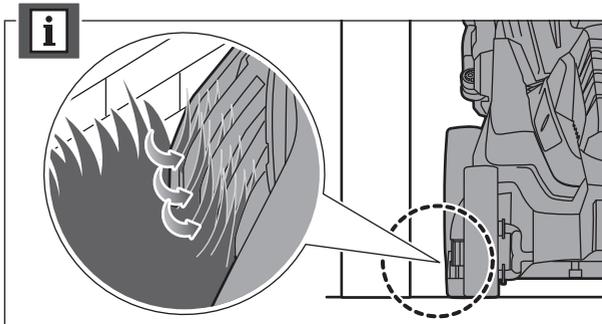
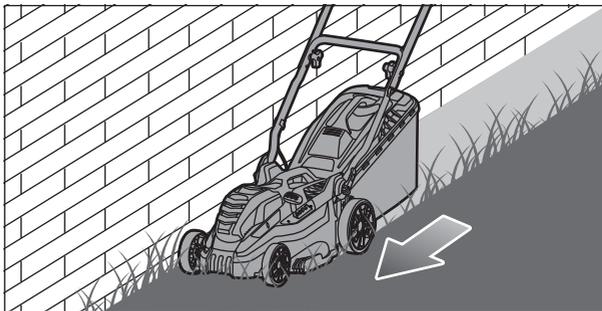
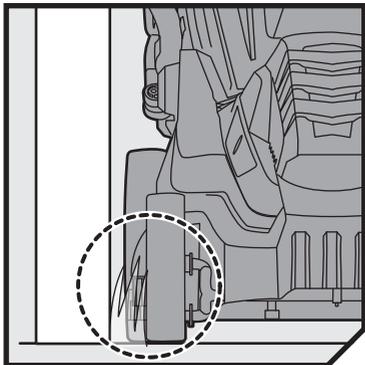
# OPERATION



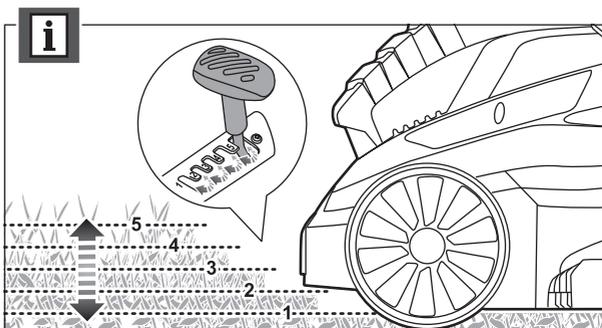
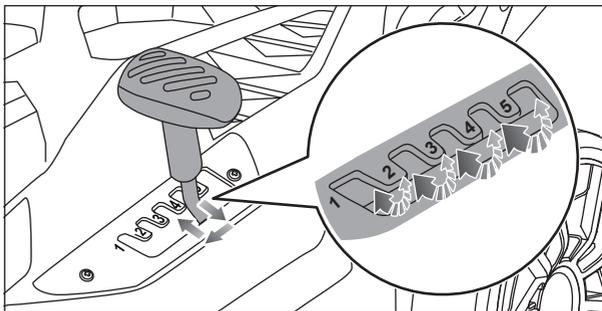
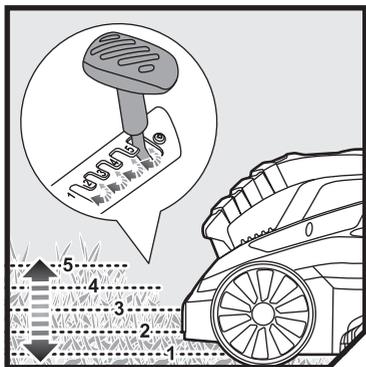
OPERATION



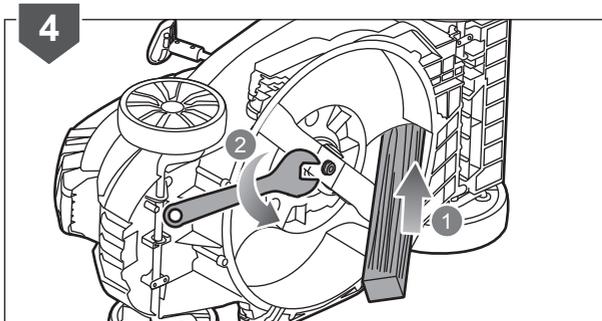
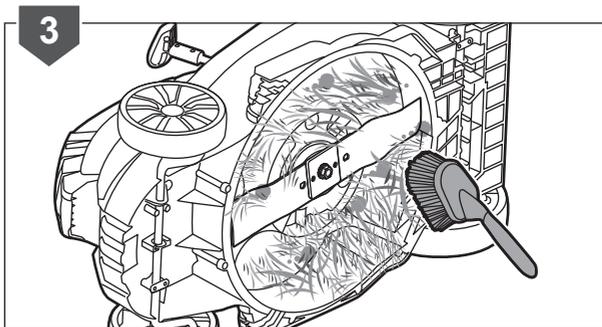
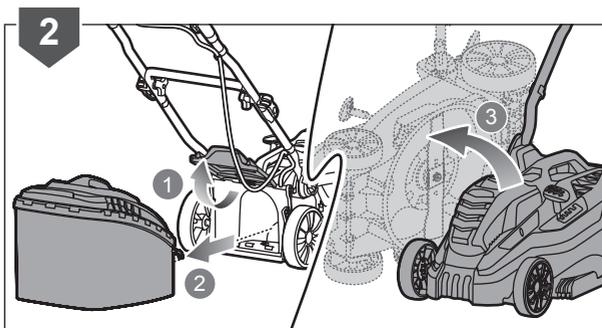
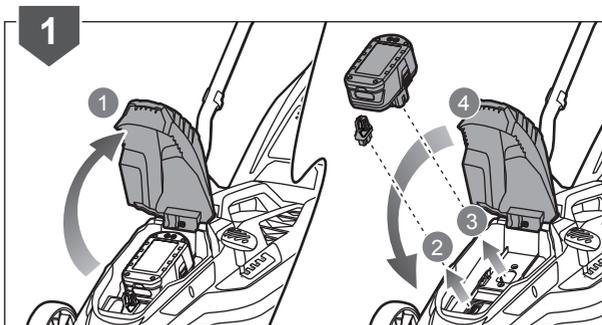
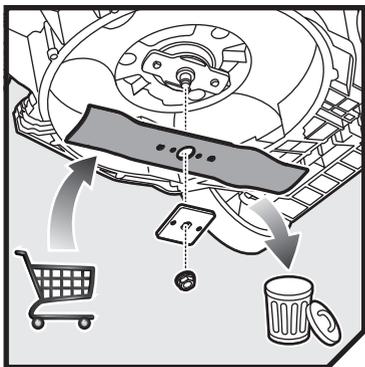
OPERATION

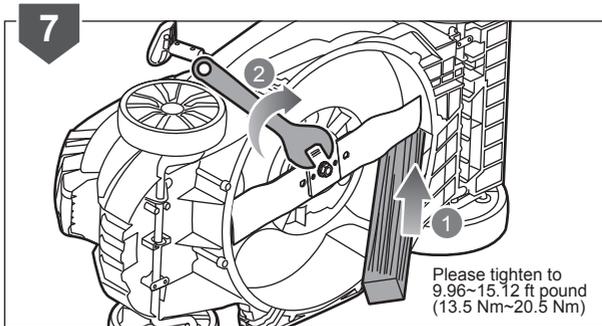
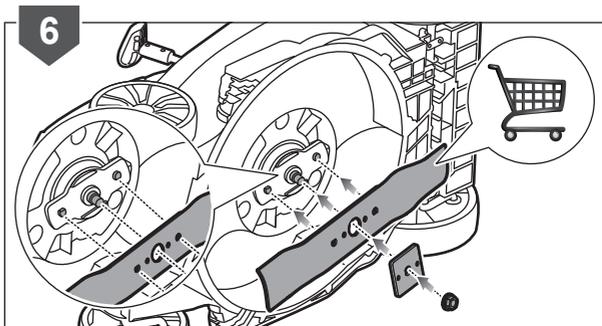
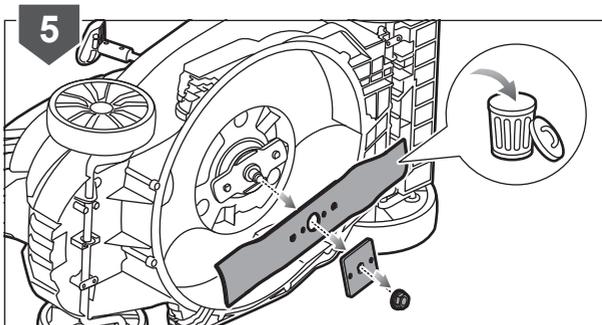


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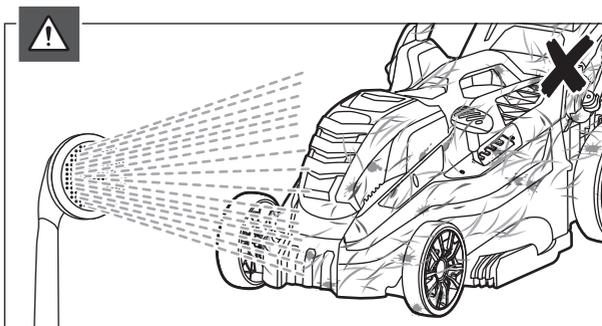
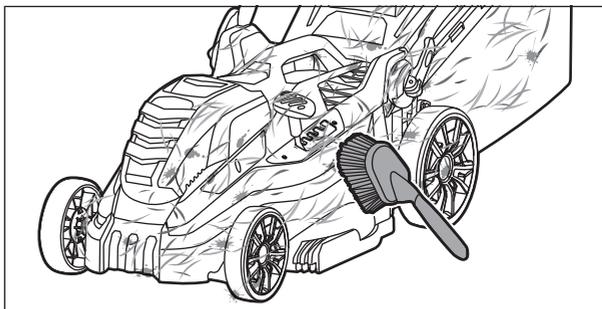
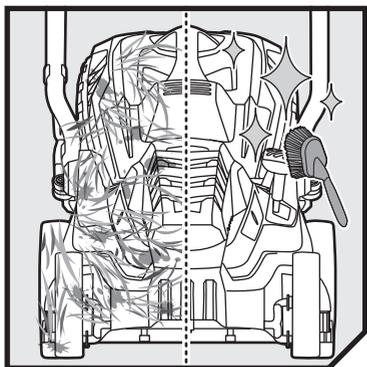


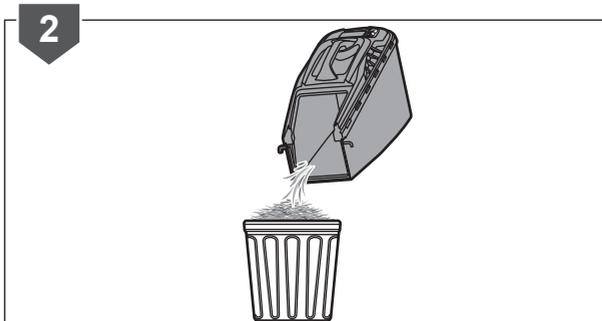
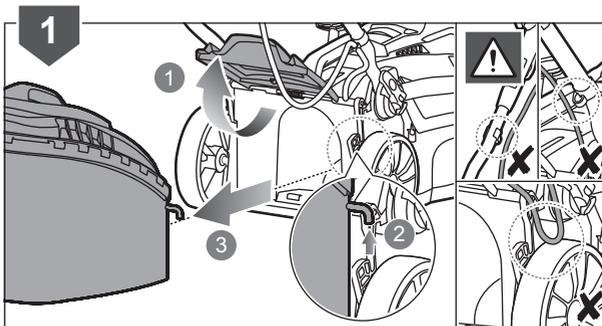
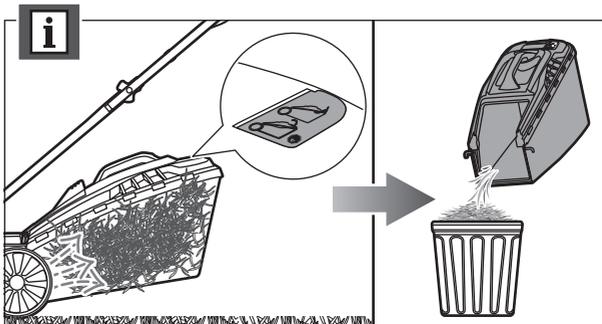
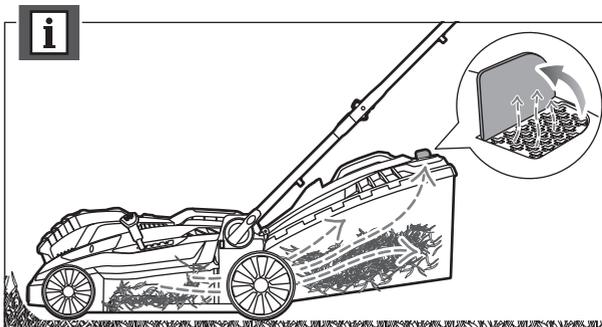
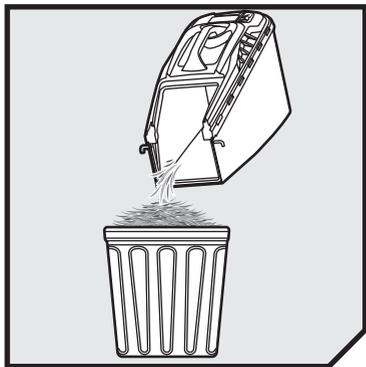
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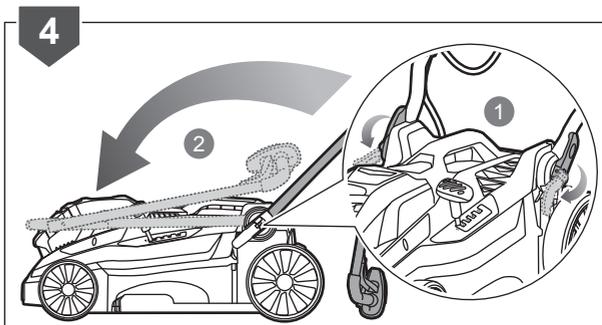
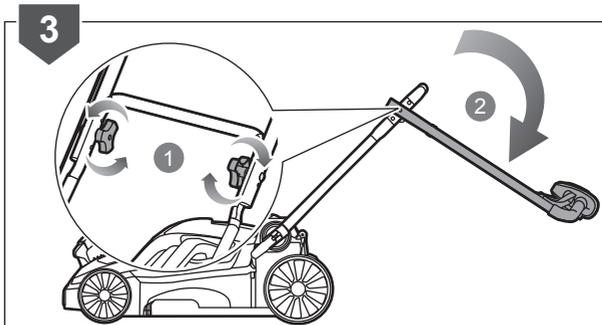
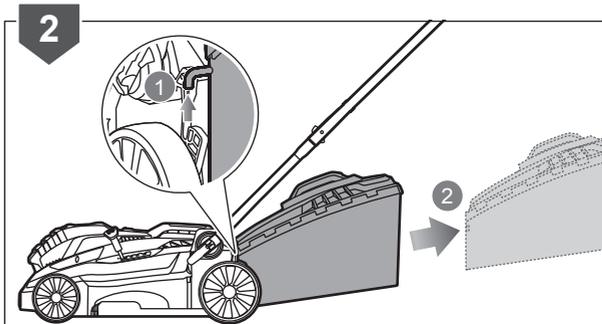
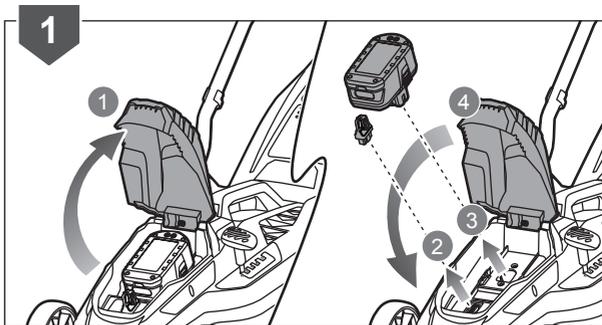


# MAINTENANCE

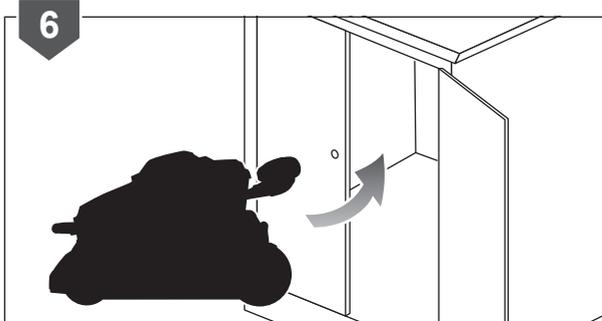
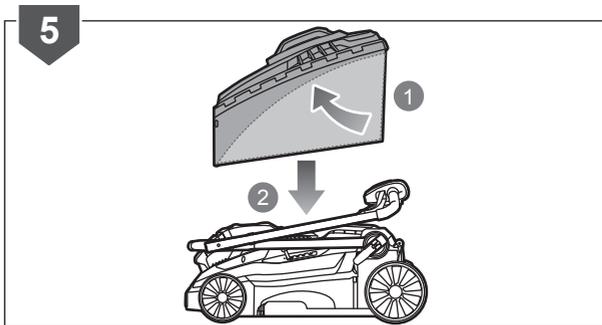




# STORAGE



STORAGE



## PRODUCT SPECIFICATIONS

Cordless Lawn Mower	
Model	RLM18X36L40/OLM1836H
Rated voltage	DC 18V
Ingress protection	IPX1
Width of cut	36 cm
Height of cut	20-70 mm
No-load speed	4000/min
Weight (without battery)	13.2 kg
Grass catcher capacity	45 L
Blade bolt torque	13.5~20.5 Nm
Vibration level (in accordance with Annex FF of EN 60335-2-77)	
Right handle	0.77 m/s <sup>2</sup>
Left handle	0.61 m/s <sup>2</sup>
Uncertainty of measurement	1.5 m/s <sup>2</sup>
Declared vibration value	≤ 2.5 m/s <sup>2</sup>
Noise emission level (in accordance with Annex GG of EN 60335-2-77)	
A-Weighted sound pressure level at operator's position	78.9 dB(A)
Uncertainty of measurement	2.5 dB
A-Weighted sound power level	89.23 dB(A)
Uncertainty of measurement	0.81 dB

## BATTERY AND CHARGER

Model	RLM18X36L40	OLM1836H
Battery pack	RB18L40	-
Weight	0.73 kg	-
Charger	RC18120	-
Weight	0.4 kg	-
Compatible battery packs	RB18L13/RB18L15/RB18L25/RB18L26/ RB18L40/RB18L50	
Compatible charger	RC18150U/BCL14181H/BCL14183H/ RC18120/RC18627U/BCS618G	
Compatible charger for in vehicle charging via 12V DC outlets	BCL1418IV	

## REPLACEMENT PART

Blade	RAC4008 (682118)
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Imported by:

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