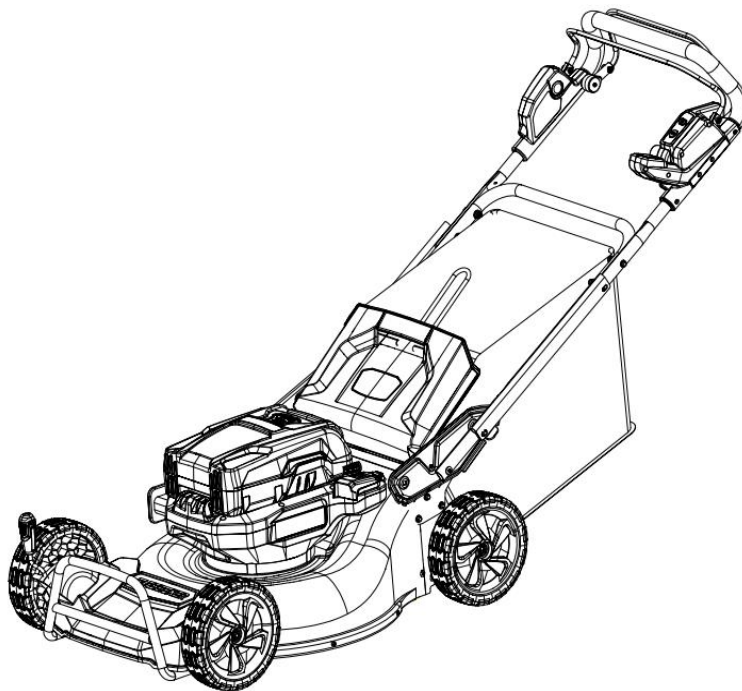




OPERATOR'S MANUAL

60V Lithium-Ion Cordless Commercial Series

Lawn Mower



Model number: LM719

Battery and Charger Sold Separately

⚠ WARNING: To reduce the risk of injury, the user must read and understand the Operator's Manual before using this product. Save these instructions for future reference.

READ ALL INSTRUCTIONS!



READ & UNDERSTAND OPERATOR'S MANUAL

⚠ WARNING: Some dust created by power sanding, sawing, grinding, drilling and

other construction activities contains chemicals known to the state of California to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

Your risk from these exposures varies, depending on how often you do this type of work.

To reduce your exposure to these chemical: work in a well-ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

SAFETY SYMBOLS

The purpose of safety symbols is to attract your attention to possible dangers. The safety symbols and the explanations with them deserve your careful attention and understanding. The symbol warnings do not, by themselves, eliminate any danger. The instructions and warnings they give are no substitutes for proper accident prevention measures.

⚠ 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.








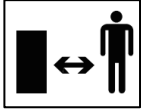








SYMBOL MEANING SAFETY ALERT SYMBOL: Indicates DANGER, WARNING, OR CAUTION. May be used in conjunction with other symbols or pictographs.

! 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 INSTRUCTIONS

This page depicts and describes safety symbols that may appear on this product. Read, understand, and follow all instructions on the machine before attempting to assemble and operate it.

	Safety Alert	Indicates a potential personal injury hazard.
	Read & Understand Operator' s Manual	To reduce the risk of injury, user must read and understand the operator' s manual before using this product. Failure to do so can result in serious injury to the operator.
	Wear Eye and Ear Protection	Always wear safety goggles or safety glasses with side shields and a full face shield when operating this product. Wear ear protection when using the product.
	Wear Gloves	Wear gloves when using the product.
	Wear Boots	Wear slip-resistant footwear when using the device.

	Safe distance	Keep a distance from bystanders
	DANGER — Thrown Debris	Remove objects that can be thrown by the blade in any direction. Wear safety glasses.
 	Keep Hands and Feet Away	Keep hands and feet away from blade and cutting area.
	DANGER — Cutting/dismemberment hazard of hand or foot, mower blade.	Shut off the motor before leaving the machine. Pick up any debris before mowing.
	WARNING - Disconnect battery before maintenance	Take the replaceable battery from the appliance before any extension, cleaning and servicing works
	Do not expose to rain.	Do not expose to rain.
	DANGER — Steep Slope Hazard	Use extra caution on slopes. Do not mow slopes greater than 15 degrees. Do not operate up and down slopes. operate side to side on slopes.
V	Volt	Voltage
	Direct Current	Type or a characteristic of current
cm	Centimeter	Length or size

mm	Millimeter	Length or size
in.	Inch	Length or size
kg	Kilogram	Weight
lb	Pound	Weight

GENERAL BATTERY-OPERATED POWER TOOL

SAFETY WARNINGS

⚠ WARNING! Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

WORK AREA SAFETY

- **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.
- **Keep children and bystanders away while operating a power tool.**
Distractions can cause you to lose control.

Electrical safety

- **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
- **Avoid body contact with earthed or grounded surfaces, such as pipes, radiators,**

ranges and refrigerators. *There is an increased risk of electric shock if your body is earthed or grounded.*

- **Do not expose power tools to rain or wet conditions.** *Water entering a power tool*
will increase the risk of electric shock.
- **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the**
power tool. Keep cord away from heat, oil, sharp edges or moving parts. *Damaged*
or entangled cords increase the risk of electric shock.
- **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.
- **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply. Use of an RCD reduces the risk of electric shock.**

PERSONAL SAFETY

- **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.
- **Use personal protective equipment. Always wear eye protection.** Protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.
- **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.
- **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal

injury.

- **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- **Dress properly. Do not wear loose clothing or jewelry. Keep your hair and clothing away from moving parts.** Loose clothes, jewelry or long hair can be caught in moving parts.
- **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.
- **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** A careless action can cause severe injury within a fraction of a second.

POWER TOOL USE AND CARE

- **Do not force the power tool. Use the correct power tool for your application.**

The correct power tool will do the job better and safer at the rate for which it was designed.
- **Do not use the power tool if the switch does not turn it on and off.**

Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- **Disconnect the plug from the power source and/or remove the battery pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally..**
- **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.**

Power tools are dangerous in the hands of untrained users.
- **Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's**

operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.

- **Keep cutting tools sharp and clean.**

Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

- **Use the power tool, accessories, tool bits, etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.

- **Keep handles and grasping surfaces dry, clean and free from oil and grease.** *Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.*

BATTERY TOOL USE AND CARE

- **Recharge only with the charger specified by the manufacturer.**

A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.

- **Use power tools only with specifically designated battery packs.**

Use of any other battery packs may create a risk of injury and fire.

- **When 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 terminals together may cause burns or a fire.

- **Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contact eyes, additionally seek medical help.** Liquid ejected from the battery may cause irritation or burns.

- **Do not use a battery pack or tool that is damaged or modified.** Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk

of injury.

- **Do not expose a battery pack or tool to fire or excessive temperature.**

Exposure to fire or temperature above 212 °F (100°C) may cause explosion.

- **Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions.** Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.

SERVICE

- **Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.
- **Never service damaged battery packs.**

Service of battery packs should only be performed by the manufacturer or authorized service providers

SAFETY INSTRUCTIONS FOR LAWN MOWER

- **Do not use the lawnmower in bad weather conditions, especially when there is a risk of lightning.** This decreases the risk of being struck by lightning.
- **Thoroughly inspect the area for wildlife where the lawnmower is to be used.** Wildlife may be injured by the lawnmower during operation.
- **Thoroughly inspect the area where the lawnmower is to be used and remove all stones, sticks, wires, bones, and other foreign objects.** Thrown objects can cause personal injury.
- **Before using the lawnmower, always visually inspect to see that the blade and the blade assembly are not worn or damaged.** Worn or damaged parts increase the risk of injury.
- **Check the grass catcher frequently for wear or deterioration.** A worn or damaged grass catcher may increase the risk of personal injury.
- **Keep guards in place.** Guards must be in working order and be properly mounted.

A guard that is loose, damaged, or is not functioning correctly may result in personal injury.

- Keep all cooling air inlets clear of debris. Blocked air inlets and debris may result in overheating or risk of fire.
- While operating the lawnmower, always wear non-slip and protective footwear. Do not operate the lawnmower when barefoot or wearing open sandals. This reduces the chance of injury to the feet from contact with the moving blade.
- While operating the lawnmower, always wear long trousers. Exposed skin increases the likelihood of injury from thrown objects.
- Do not operate the lawnmower in wet grass. Walk, never run. This reduces the risk of slipping and falling which may result in personal injury.
- Do not operate the lawnmower on excessively steep slopes. This reduces the risk of loss of control, slipping and falling which may result in personal injury.
- When working on slopes, always be sure of your footing, always work across the face of slopes, never up or down and exercise extreme caution when changing direction. This reduces the risk of loss of control, slipping and falling which may result in personal injury.
- Use extreme caution when reversing or pulling the lawnmower towards you. Always be aware of your surroundings. This reduces the risk of tripping during operation.
- Do not touch blades and other hazardous moving parts while they are still in motion. This reduces the risk of injury from moving parts.
- When clearing jammed material or cleaning the lawnmower, make sure all power switches are off and the battery pack is disconnected. Unexpected operation of the lawnmower may result in serious personal injury.

IMPORTANT SAFETY INSTRUCTIONS

- If the power tool should start to vibrate abnormally or become noisy, stop the motor and check immediately for the cause. Abnormal noise is generally a warning of trouble.

- Make sure all proper guards and other safety devices are properly and securely attached before using this product. Do not operate without guards in place.
- Do not charge the battery pack in rain, or in wet locations.
- Do not dispose of the battery in a fire.
The cells may explode. Check with local codes for possible special disposal instructions.
- Do not open or mutilate the battery.
Released electrolyte is corrosive and may cause damage to the eyes or skin. It may be toxic if swallowed.
- Battery tools do not have to be plugged into an electrical outlet; therefore, they are always in operating condition. Be aware of possible hazards even when the tool is not operating.
Take care when performing maintenance or service.
- Do not wash with a hose; avoid getting water in motor and electrical connections.
- If situations occur that are not covered in this manual, use care and good judgment.
Contact the Customer Service Center for assistance.
- **SAVE THESE INSTRUCTIONS.** Refer to them frequently and use them to instruct others who may use this tool. If you lend this tool to someone else, also lend these instructions to them to prevent misuse of the product and possible injury.

SAVE THESE INSTRUCTIONS!

SPECIFICATIONS

Model number	LM719
Motor power	3000W (max)
Voltage	60V
Self-propelled speed	0.6-1.6m/s
Cutting height	25-89mm/ 1-3.5 in
Height adjustment	6 positions
Deck size	22in

Grass bag volume	80L
Battery (sold separately)	BP7615 or BP7625
Charger (sold separately)	CG768E
Operating temperature	-4°F ~ +113 °F (-20°C ~ +45°C)
Charge/store the battery pack temperature	+41°F ~ +113 °F (+5°C ~ +45°C)
Sound level	LwA=97dB(A) K=0,72 dB(A) LwA,g=98 dB LpA 87 dB(A) K=3 dB(A)
Vibration	ah<2,5m/s2 K=1,5 m/s2

PACKING LIST

PART NAME	QUANTITY
Lawn mower	1
Grass bag	1
Mulching insert	1
Discharging chute	1
Operator' s Manual	1

BATTERY TOOL USE AND CARE

- **Recharge only with the charger specified by the manufacturer.** A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack. Use only with the battery packs and chargers listed below.

BATTERY PACK	CHARGER
BP7615 BP7625	CG768E

- **Use power tools only with specifically designated battery packs.** Use of any other

battery packs may create a risk of injury and fire.

- **When 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 terminals together may cause burns or a fire.
- **Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contact eyes, additionally seek medical help.** Liquid ejected from the battery may cause irritation or burns.
- **Do not use a battery pack or tool that is damaged or modified.** Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.
- **Do not expose a battery pack or tool to fire or excessive temperature.** Exposure to fire or temperature above 212 °F (100°C) may cause explosion.
- **Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions.** Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.

DESCRIPTION

KNOW YOUR LAWN MOWER (Fig 1)

The safe use of this product requires an understanding of the information on the tool and in this operator's manual, as well as knowledge of the project you are attempting. Before using this product, familiarize yourself with all operating features and safety rules.

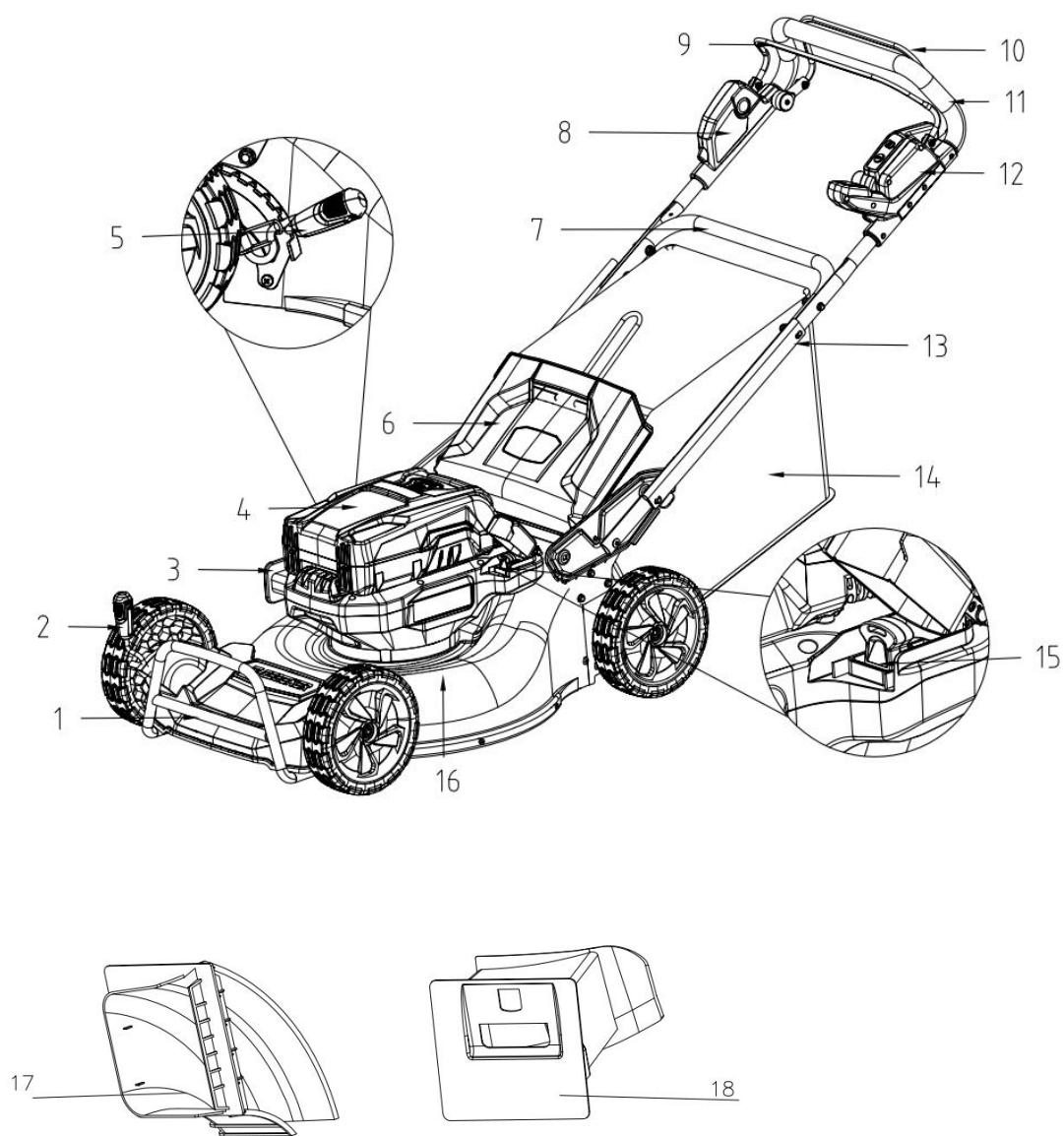


Fig 1

1. Front guard	10. Self-propel engagement bail
2. Front Cutting-height adjustment lever	11. Upper handle
3. Cord wrap	12. Self-propel speed-control box
4. Battery (not included, sold separately)	13. Cord protection cover
5. Rear Cutting-height adjustment lever	14. Grass bag
6. rear discharge cover	15. Lock key
7. Lower handle	16. Deck
8. Starting control box	17. Discharge attachment
9. Operating bail (blade engagement)	18. Mulching plug

Lock key

The Lock Key must be installed before the motor can be started.

Cutting-height adjustment lever

Adjust cutting height

Rear discharge cover

The rear discharge cover is designed to minimize stones or other objects being thrown backward by the mower blade. DO NOT operate the mower without the rear discharge cover in place.

Operating bail (blade engagement)

The bail engages and disengages the motor/ blade.

Self-propel engagement bail

The bail engages and disengages self-propel function.

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ASSEMBLY

⚠ WARNING: If any part is damaged or missing, do not operate this product until the part is replaced. Use of this product with damaged or missing parts could result in serious personal injury.

⚠ WARNING: Do not attempt to modify this product or create accessories not recommended for use with this chain saw. Any such alteration or modification is misuse and could result in a hazardous condition leading to possibly serious personal injury.

⚠ WARNING: To prevent accidental starting that could cause serious personal injury, always remove the power plug /battery pack from the tool when assembling parts, making adjustments, cleaning, or when not in use.

⚠ WARNING: All adjustments should be made cold. Always wear gloves when working on a saw chain. Do not operate with a loose chain. Otherwise personal injury might result.

⚠ WARNING: Always be sure that the lock key and battery are removed before carrying out any work on the mower. Failure to remove the lock key and the battery cartridge may result in serious personal injury from accidental start-up.

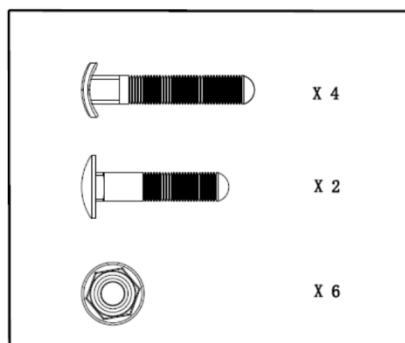
⚠ WARNING: Never start the mower unless it is completely assembled. Operation of the machine in a partially assembled state may result in serious personal injury from accidental start-up.

UNPACKING

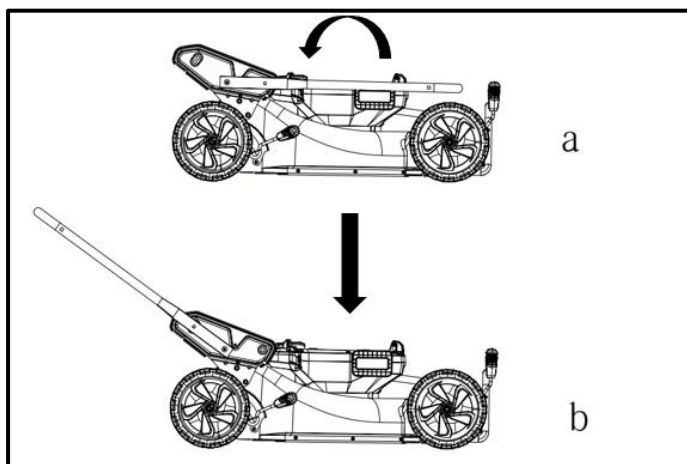
- This product requires assembly.
- Carefully remove the product and any accessories from the box. Make sure that all items listed in the packing list are included.
- Inspect the tool carefully to make sure that no breakage or damage occurred during shipping.
- Do not discard the packing material until you have carefully inspected and satisfactorily operated the tool.
- If any part is damaged or missing, please return the product to the place of purchase.

Mounting handle

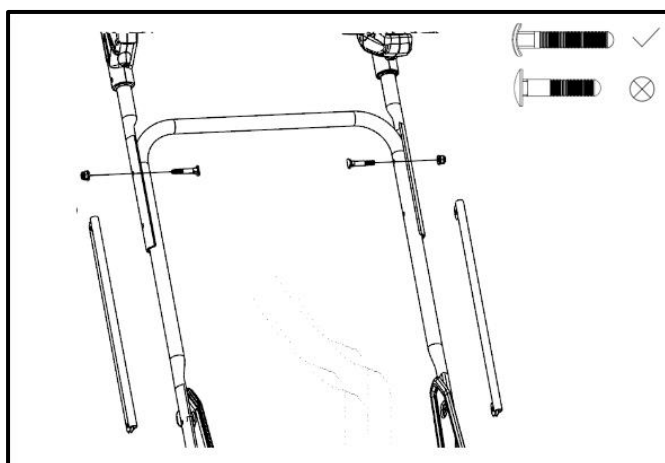
1. Take out the bolts and nuts from package;



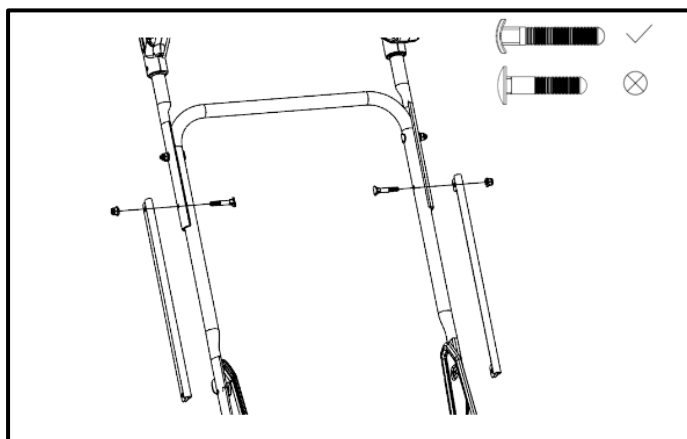
2. Push the lower handle from position a to position b ;



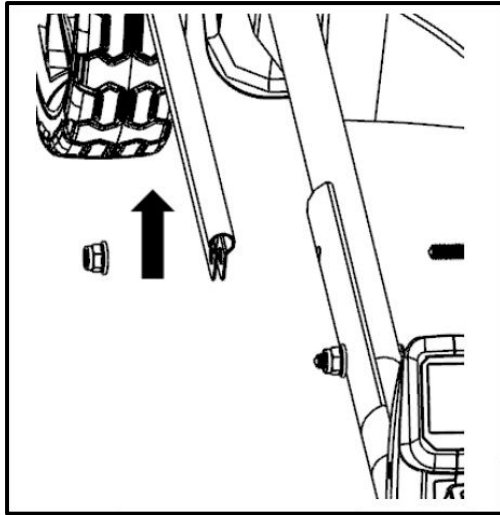
3. Align the holes in the upper handle with the holes in the lower handle, and then tighten 2 bolts, as shown in the figure below.



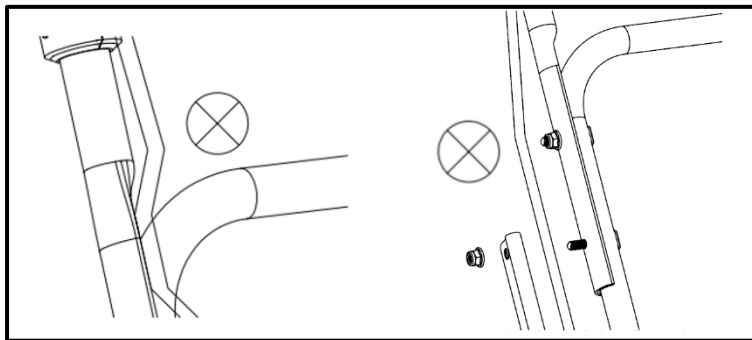
4. Align the holes in the upper handle with the holes in the lower handle and cord protection cover, and then tighten 2 bolts.



The correct direction of the protection cover is shown in the figure below.

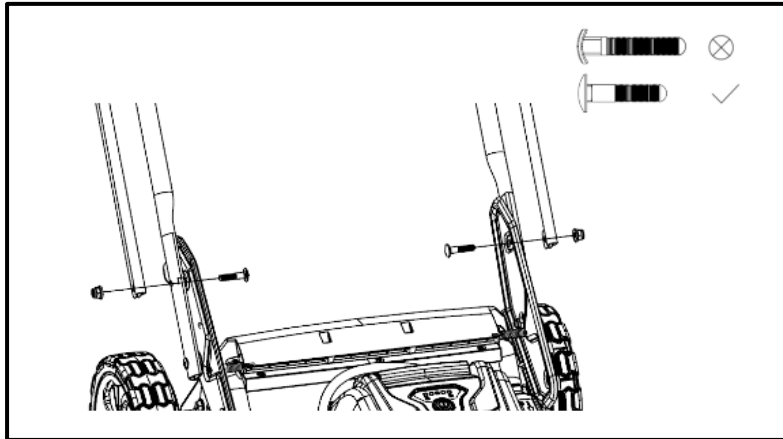


⚠ WARNING: Do not press the cable when mounting the handle.



5. Align the holes in the lower handle with holes in the protection cover and holes in the mower body, and then tighten 2 bolts, as figure shown below.

Two handle height levels can be chosen by tightening to different holes on the mower body.

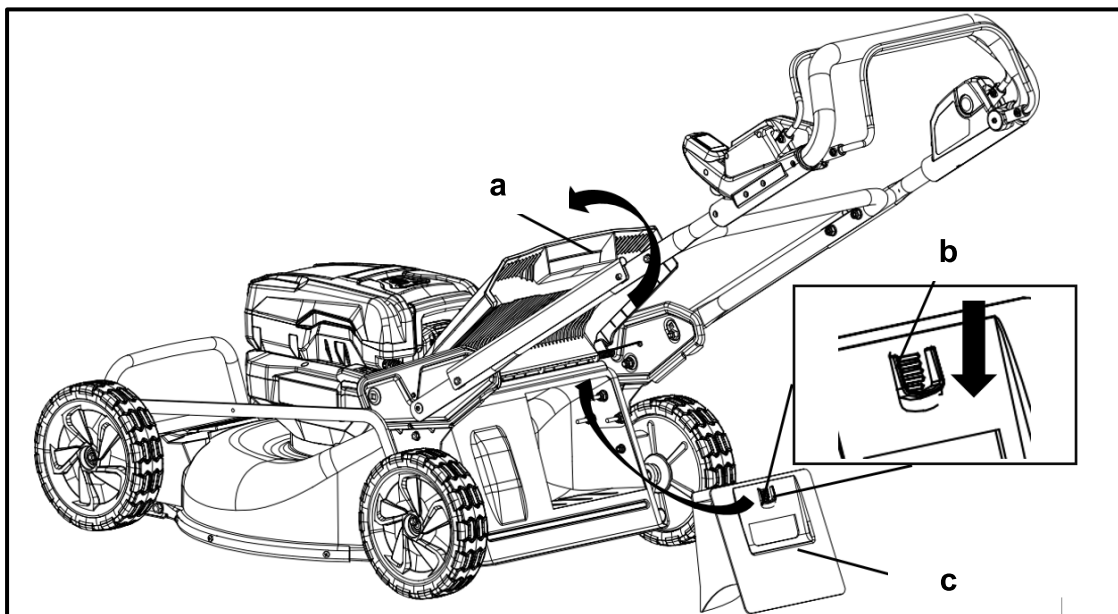


INSTALLING/REMOVING THE MULCHING PLUG

DANGER: The machine can throw grass clippings and other objects through an opening in the machine housing. Objects thrown with enough force could cause serious personal injury or death to you or to bystanders.

Never operate the mower without either the mulching insert, the grass bag, or the rear discharge chute properly installed.

1. Switch off the mower.
2. Remove the battery pack.
3. Position the mower on a level surface.
4. Lift the rear discharge cover (figure below - a) .
5. Hold the mulching insert, and press the button on the mulching insert downwards as shown in below figure -b.
6. Install the mulching insert to the mower as show in below figure-c.
7. Release the rear discharge cover and make sure it rests firmly against the mulching insert.
8. To remove the mulching insert, lift the rear discharge cover, grasp the opening on the mulching insert, and pull it out.
10. Release the rear discharge cover.



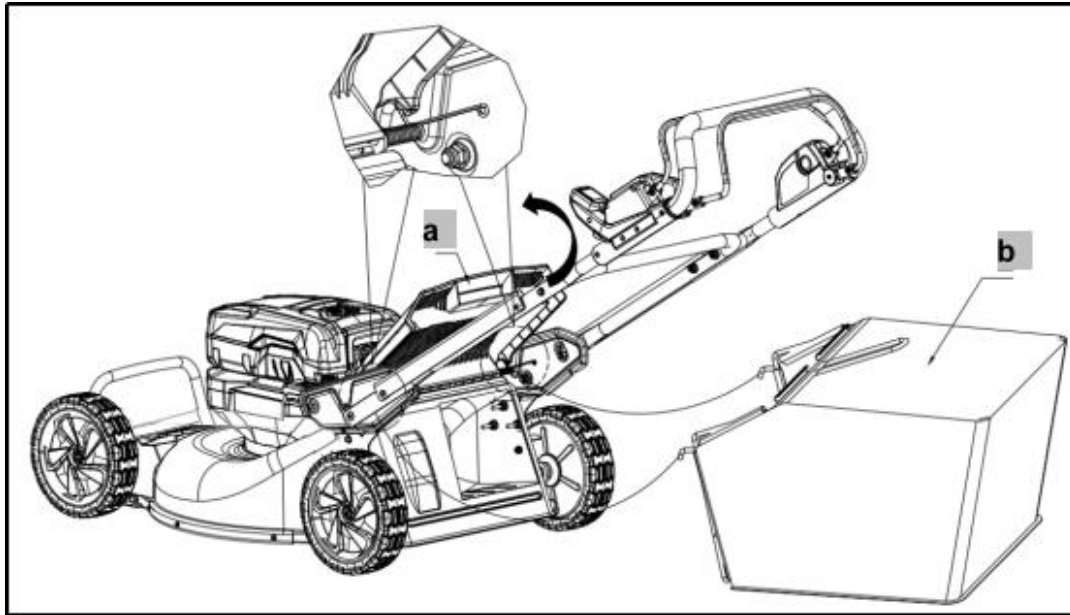
⚠ WARNING: The mulching insert must be removed when installing the grass bag or rear discharge chute. The mulching insert must be re-installed when the grass bag or rear discharge chute is removed.

ASSEMBLING THE GRASS BAG

Check the grass bag before assembling, to make sure that there is no damage.

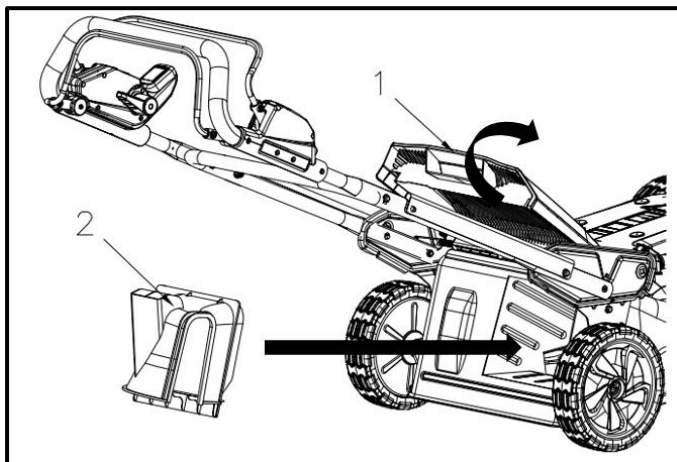
To install the grass bag, follow the steps below.

1. Lift the rear discharge cover (figure below -a) .
2. Hold the handle of the grass bag, and then hook the grass bag on the torsion spring of the mower body as shown in the figure-b.

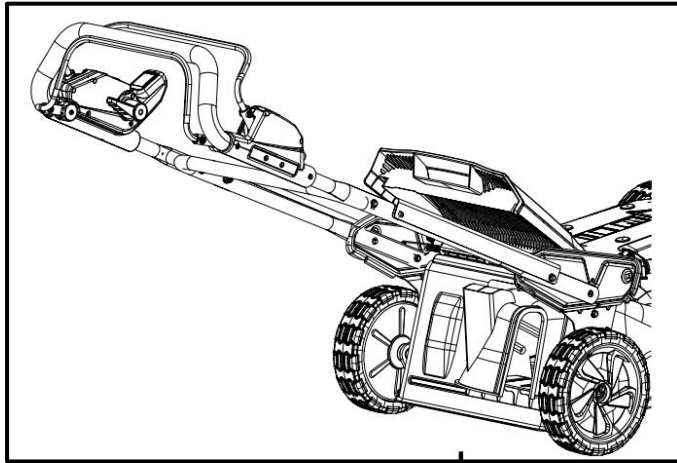


ATTACHING THE REAR DISCHARGE CHUTE

1. Lift up the rear discharge cover
2. Install the rear discharge chute in direction as shown in the figure below.



3. The rear discharge chute is successfully installed as shown in below figure.



ADJUSTING THE CUTTING HEIGHT

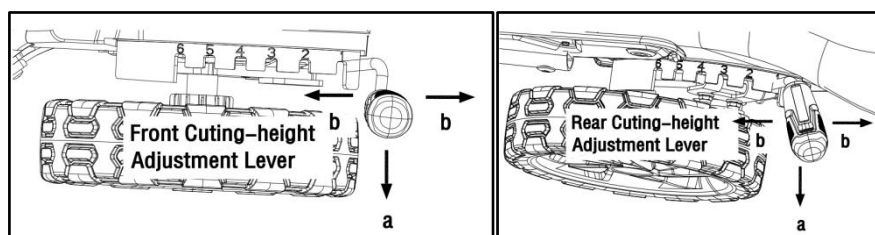
Keep your feet away from the deck when adjusting the cutting height. The mower can be set to 8 cutting heights between 1 in (25 mm) and 3.5 in (89mm). A marking indicates the selected cutting height. This mower allows you to adjust the cutting height of the front and the rear of the mower individually. For most users it is recommended to keep both front and rear cutting heights at identical settings. More experienced users may prefer greater control over the deck height for specific cuts. For example, lowering the front of the mower slightly will cause greater suction which can be useful in improved bagging, rear discharge, and leaf disposal.

Choose the proper cutting height according to the type and condition of the grass to be cut.

1. Switch off the mower and wait for the cutting blade to come to a complete stop.
2. Remove the battery pack.
3. Pull the front or rear cutting height adjustment levers out of the detent (direction a shown in the figure below) and set it to the desired position (direction b shown in the figure below).

NOTE: To avoid overloading the motor, avoid setting the cutting height too low in tall grass.

If the motor speed begins to slow, raise the cutting height.



OPERATION

⚠ WARNING: Always wear eye protection that is marked to comply with ANSI Z87.1. or EN 166. Failure to do so could result in objects being thrown into your eyes and other possible serious injuries.

⚠ WARNING: Do not use any attachments or accessories not recommended by the manufacturer of this product. The use of attachments or accessories not recommended can result in serious personal injury.

⚠ WARNING: To prevent serious personal injury, remove the power plug/battery pack from the tool before servicing, cleaning, changing attachments or removing material from the unit.

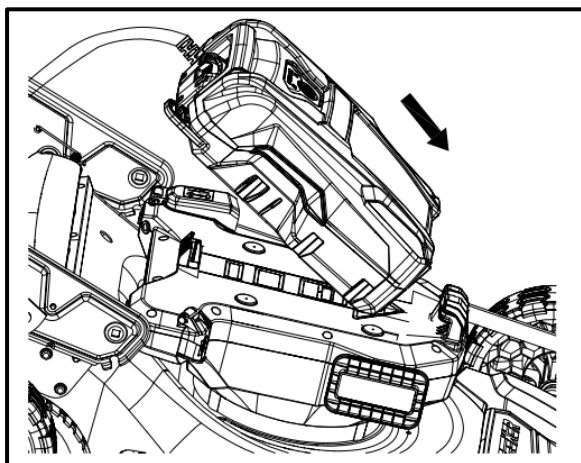
CONNECTING WITH/ DISCONNECTING FROM THE BATTERY

NOTE: Fully charge the battery pack before first use.

This lawn mower has a quick insert battery package connection. Please use it with the battery and charger listed above on Battery Tool Use and Care section.

The battery and charger are sold separately.

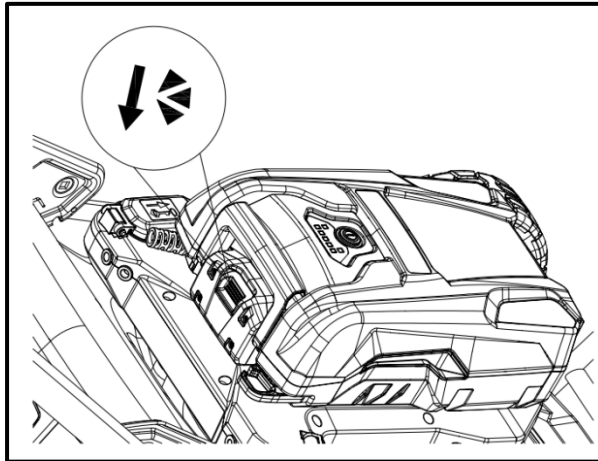
1. Place the battery on the mower body in the direction shown in the figure below.



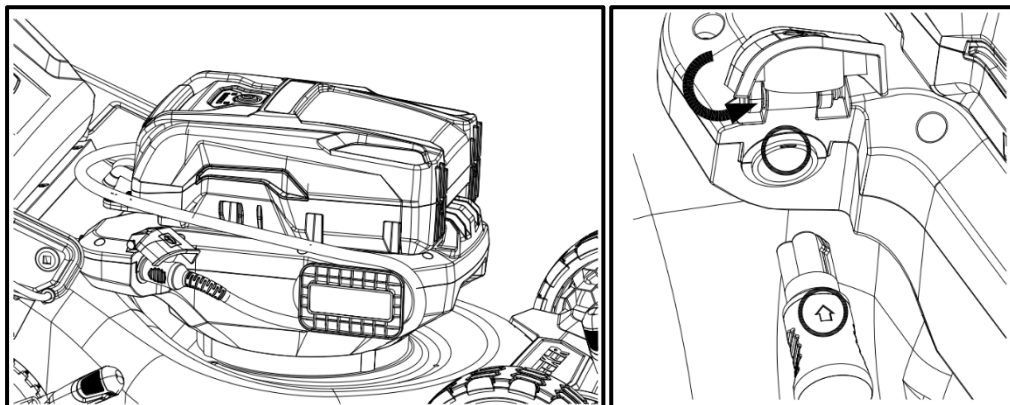
2. Press the connection area shown in the figure below until hear a clear click.

CAUTION: Make sure that the portable power pack is securely locked to the battery support levers and the lock button is securely locked.

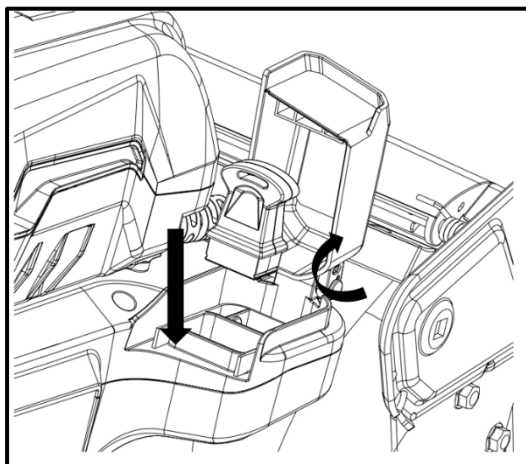
CAUTION: Do not forcefully press.



3. Attach the cord to the cord holders as shown in the figure. Open the plug cover, then align the arrow mark on the socket with that on the machine, and then insert the socket into the plug all the way.



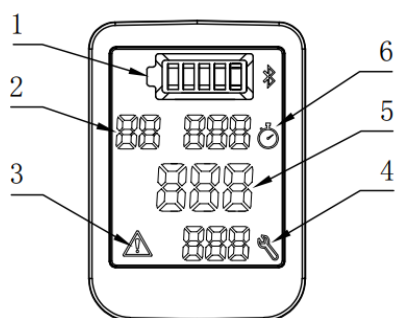
4. Open the lock key cover, then insert the lock key in the place shown in the figure as far as it will go, and then close the lock key cover.



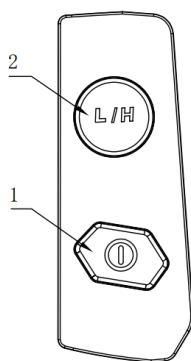
To remove the portable power pack, perform the installation procedure in reverse.

SELECTING BLADE SPEED MODE

Control panel



1. Remaining battery indicator
2. Self propelled speed 1P-7P
3. Error code, E01-EXX
4. Maintenance reminder, shown together with error code
5. Blade cutting mode: light off- high speed, ECO-Eco mode
6. Accumulated run time: unit is hour



1. Power on/off button, press the power on/off button, the display will be turned on, press the button again, the display will be turned off.
2. Blade speed mode button, default mode is ECO (display will show ECO), press the blade speed mode button can change the blade speed mode between high speed (ECO on the display will disappear and show no word) and ECO (display will show ECO)

- **ECO mode provides the lower noise level and longer runtime from your battery pack.**
- **High speed mode provides higher performance but shorter runtime compared to ECO mode.**
- **The default mode is ECO mode.**

STARTING/STOPPING THE MOWER

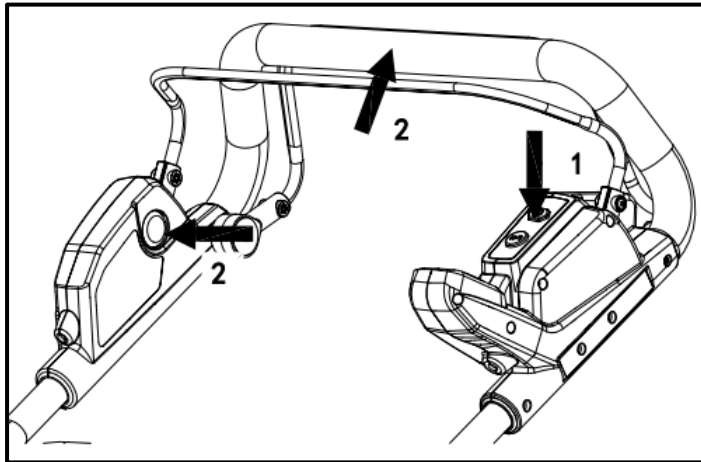
WARNING: The operation of any lawn mower can result in foreign objects being thrown into your or others' eyes, which can damage eyes severely. Always wear safety glasses while operating the mower or while performing any adjustments or repairs on the mower.

WARNING: Ensure that other people and pets remain at least 100 ft. (30 m) away from the mower when it is in use.

NOTICE: 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.

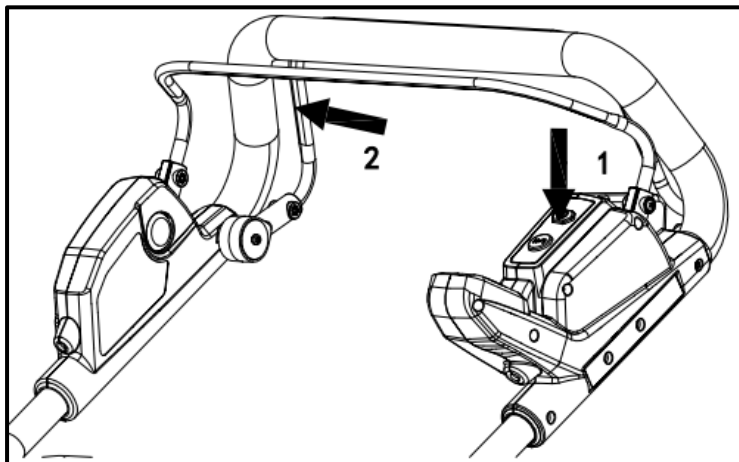
CAUTION: Do not attempt to override the operation of the power button and bail switch.

1. Press the power on/off button
2. Press the cutting blade start button and hold, then pull the operating bail toward you to start the machine. Release the blade start button as soon as the motor starts running.
3. Release the operating bail to stop.



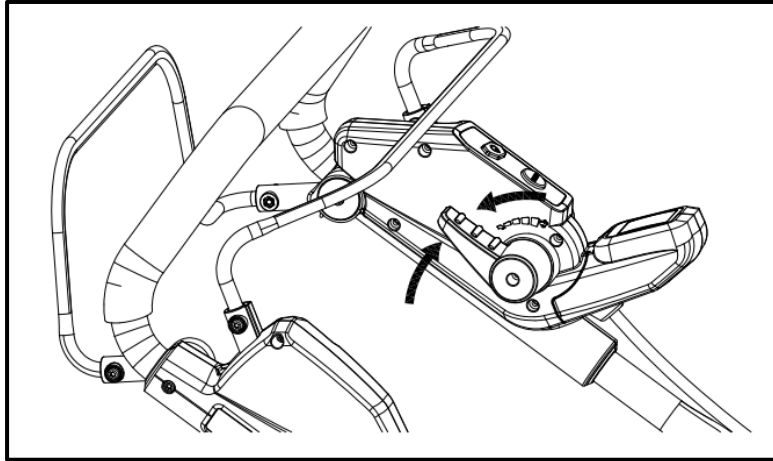
OPERATING THE SELF-PROPEL SYSTEM

1. Press the power on/off button
 2. Pull the self-propel engagement bail to start the self-propel system.
- Release the self-propel engagement bail to stop.



Selecting self-propel speed

The self-propel speed can be adjusted with the speed lever. To decrease the speed, pull the lever toward you, and to increase the speed, push the lever forward. The display will indicate speed levels between 1P-7P accordingly.



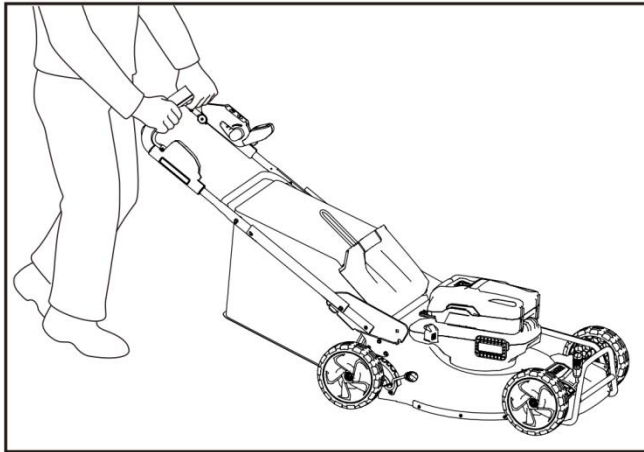
MOWING

WARNING: Before mowing, clear away sticks and stones from mowing area. Furthermore, clear away any weeds from mowing area in advance.

WARNING: Always wear the safety goggles or safety glasses with side shields when operating the mower.

CAUTION: If the cut grass or foreign object blocks up inside of the mower body, be sure to remove the lock key and battery cartridge and wear gloves before removing the grass or foreign object.

NOTICE: Use this machine for mowing lawn only. Do not mow weeds with this machine. Firmly hold the handle with both hands when mowing.

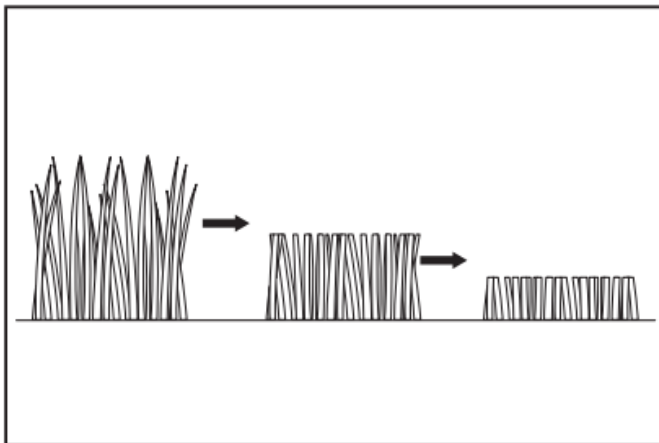


Periodically check the grass bag for mowed grass. Empty the grass before it becomes full. Before every periodical check, be sure to stop the mower then remove the lock key and the battery pack.

NOTICE: Using the mower with the grass bag full prevents smooth blade rotation and places an extra load on the motor, which may cause breakdown.

Mowing a long-grass lawn

Do not try to cut long grass all at once. Instead, mow the lawn in steps. Leave a day or two between mowings until the lawn becomes evenly short.

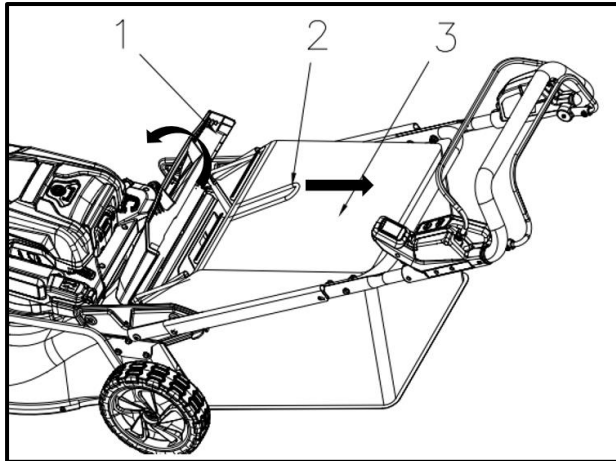


NOTE: Mowing long grass to a short length all at once may cause the grass to die. The cut grass may also block up inside of the mower body.

Emptying the grass bag

WARNING: To reduce a risk of accident, regularly check the grass bag for any damage or weakened strength. Replace the grass bag if necessary.

1. Release the operating bail and self-propel engagement bail
2. Remove the lock key.
3. Open the rear discharge cover and take out the grass bag by holding the handle as shown in figure below .



MAINTENANCE

WARNING: Always be sure that the lock key and battery pack are removed from the mower before storing or carrying the mower or attempting to perform inspection or maintenance.

WARNING: Always remove the lock key when the mower is not in use. Store the lock key in a safe place out of reach of children.

WARNING: Wear gloves when performing inspection or maintenance.

WARNING: Always wear the safety goggles or safety glasses with side shields when performing inspection or maintenance.

NOTICE: Never use gasoline, benzine, thinner, alcohol or the like. Discoloration, deformation or cracks may result.

1. Remove the lock key and battery pack.

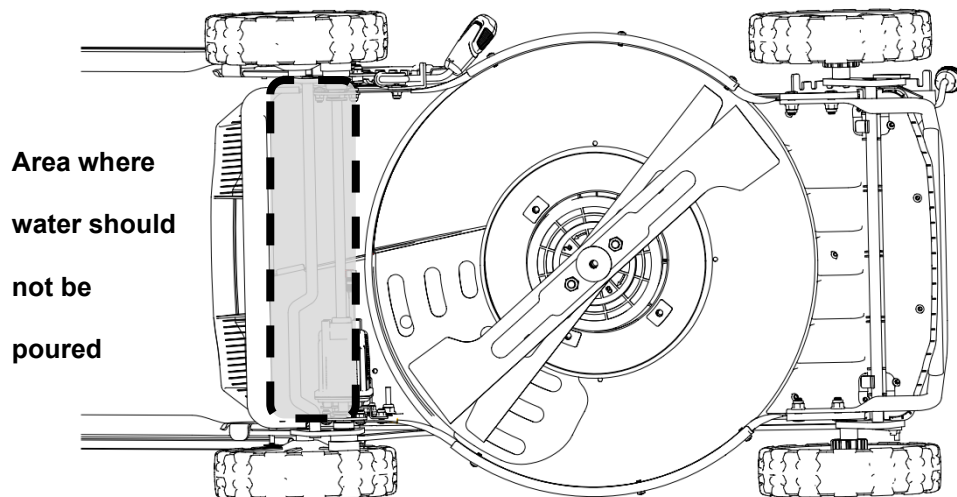
2. Put the mower on its side so that the mowing height adjusting lever comes to the upper side. Clean grass clippings accumulated on the underside of mower deck.
3. Pour water toward the bottom of the machine to which the blade is attached.

NOTICE: Do not wash the machine with high pressure water.

4. Check all nuts, bolts, screws, etc. for tightness.
5. Inspect moving parts for damage, breakage, and wear. Damaged or missing parts should be repaired or replaced.
6. Store the mower in a safe place out of the reach of children.

NOTICE: Do not pour water to the area shown in the figure. Pouring water to the motor unit may cause a malfunction of the machine.

The user should regularly clean the grass, soil, and dust around the transmission device to ensure the proper ventilation of the motor and prevent potential overheating. It can be cleaned with a pneumatic gun, a smooth brush, and a damp cloth.



REPLACING THE CUTTING BLADE

WARNING

Always protect your hands by wearing heavy gloves and/or wrapping the cutting edges with rags or other materials when performing any maintenance on the blades. ALWAYS remove the battery when servicing or transporting the mower.

Use only a SUNSEEKER replacement blade.

- REMOVE BATTERY.

- While wearing leather padded gloves, wedge a block of wood (figure below -- b) between the blade and the mower deck in order to prevent the blade (figure below -- 3) from turning when the bolt (figure below -- 1) is being removed.

- Using an adjustable wrench or 16 mm socket, loosen the bolt (figure below -- 1) and remove the blade (figure below -- 3).

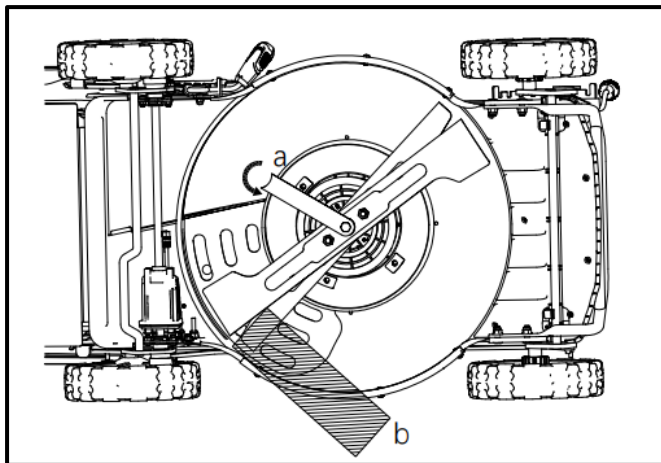
Turn the bolt "COUNTERCLOCKWISE" to loosen it and "CLOCKWISE" to tighten it.

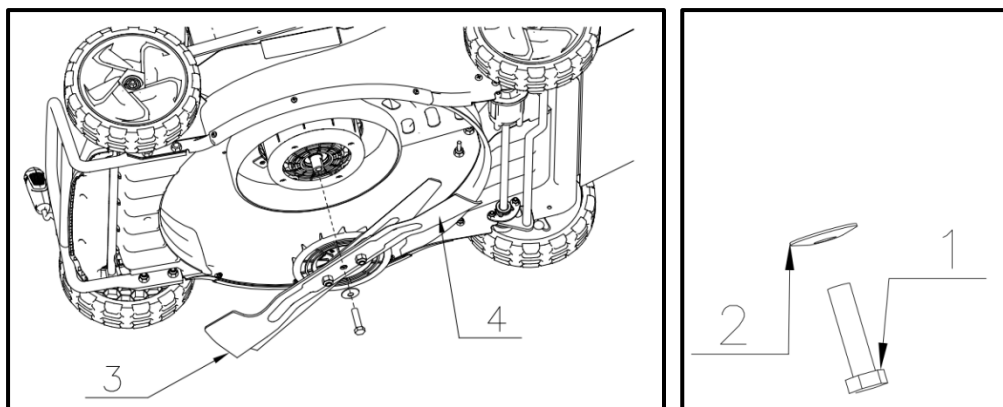
- Remove the bolt (figure below -- 1) and the blade ((figure below -- 3).

- To re-install the blade, position the blade with the cutting edges toward the ground.

Assemble the bolt (figure below -- 1) and spacer (figure below -- 2) as shown. Using a 16 mm socket or wrench, turn the blade nut "CLOCKWISE" in order to secure the blade.

CAUTION: Make sure that the blade is securely tightened. Locking Torque ≥ 60 Nm.





STORING THE MOWER

The following steps should be taken in order to prepare the lawn mower for storage.

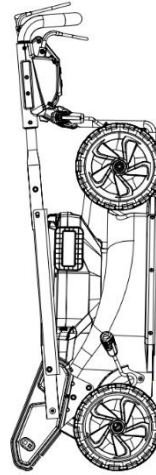
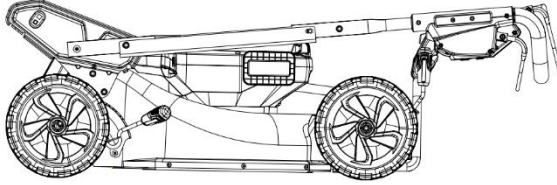
1. Remove the battery pack from the mower and store it at room temperature in a dry location.
2. Clean the mower as described earlier in the "MAINTENANCE" section.
3. Inspect the blade and replace it or sharpen it if required.
4. Store the mower in a dry, clean location. Do not store it next to corrosive materials, such as fertilizer or rock salt.
5. Store the mower in a covered and enclosed space that is cool and dry and out of the reach of children.
6. Do not cover the lawn mower with a solid plastic sheet. Plastic coverings trap moisture around the mower, which causes rust and corrosion.

The handle can be folded away completely for storage:

1. Remove the grass bag.
2. Adjust the front/rear cutting-height adjustment lever to the lowest setting height.
3. Fold down the handle to the locked storage position, refer to the section "MOUNTING HANDLE" in this manual.
4. Store the mower flat (recommended) or upright .

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.

FLAT - RECOMMENDED



TRANSPORTING

1. Switch off the mower and remove the battery.
2. When transporting your mower, the self drive can be used without engaging the cutting blade.
3. For lifting the mower, it is recommended that two people lift from each side of the mower using the front guard and lower handle connection areas as handles.

TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
The mower doesn't properly work.	Battery not installed properly	Check the battery installation.
Unit does not run when turned on.	<ul style="list-style-type: none"> ■ Battery discharged. ■ Battery outside acceptable temperature range. 	Remove the battery and allow to cool
Running time is too short	<ul style="list-style-type: none"> ■ Battery outside acceptable temperature range ■ Unit electronics too hot ■ Battery discharged ■ Cutting height is too low ■ Cut grass is clogged in the mower. 	<ul style="list-style-type: none"> ■ Remove the battery and allow to cool ■ Turn unit off and allow to cool ■ Charge the battery ■ Increase the cutting height. ■ Remove the clogged grass from the mower.
Motor does not reach maximum RPM.	<ul style="list-style-type: none"> ■ Battery is installed improperly. ■ Battery power is dropping. ■ The drive system does not work correctly. 	<ul style="list-style-type: none"> ■ Install the battery as described in this manual. ■ Recharge the battery. If recharging is not effective, replace battery. ■ Ask your local authorized service center for repair.

<p>Mower blade does not rotate.</p> <p>- Stop the mower immediately!</p>	<ul style="list-style-type: none"> ■ Foreign object such as a branch is jammed near the blade. ■ The drive system does not work correctly. 	<ul style="list-style-type: none"> ■ Remove the foreign object. ■ Ask your local authorized service center for repair.
<p>Abnormal vibration.</p> <p>- Stop the mower immediately!</p>	<ul style="list-style-type: none"> ■ Blade is imbalanced, excessively or unevenly worn. 	<ul style="list-style-type: none"> ■ Replace the blade.

ERROR ALARM INDICATOR	CAUSE	SOLUTION
E01	The power-on logic is incorrect, and the baseline is abnormal	Release the trigger and then restart the machine. If not work, contact the service point for a professional consultant or repairing.
E02	Over current	Release the trigger and then restart the machine.
E03	Low speed protection; machine stall	Release the trigger and then restart the machine.
E04	Controller over temperature	Release the trigger, wait for the machine to cool down to working temperature and then restart the machine.
E05	Battery over temperature	Release the trigger, wait for the battery to cool down to working temperature and then restart the machine.
E06	Battery/battery cell low voltage	Release the trigger, remove the battery and then plug in to restart the machine. If not work, charge the battery.
	Battery high voltage	Release the battery, wait for the battery to recover to working voltage and then restart.
E07	Self-propel controller over temperature; Self-propel motor over temperature	Release the trigger, wait for the machine to cool down to working temperature and then restart the machine.
E08	Self-propel over current	Release the trigger and then restart the machine.
E09	Self-propel low speed protection; Self-propel stall	Release the trigger and then restart the machine.
E11	Battery communication abnormal	Release the trigger, remove the battery and then plug in to restart the machine. If not work, contact the service point for a professional consultant or repairing.

E12	MOS abnormal	Release the trigger and then restart the machine. If not work, contact the service point for a professional consultant or repairing.
E13	Cutting motor phase line short circuit	Release the trigger and then restart the machine. If not work, contact the service point for a professional consultant or repairing.
E14	Self-propel hall fault	Release the trigger and then restart the machine. If not work, contact the service point for a professional consultant or repairing.
E15	Self-propel motor phase line short circuit	Release the trigger and then restart the machine. If not work, contact the service point for a professional consultant or repairing.
E16	Self-propel MOS abnormal	Release the trigger and then restart the machine. If not work, contact the service point for a professional consultant or repairing.
E17	Self-propel communication abnormal	Release the trigger and then restart the machine. If not work, contact the service point for a professional consultant or repairing.
E20	UI communication abnormal	Release the trigger, remove the battery and then plug in to restart the machine. If not work, contact the service point for a professional consultant or repairing.