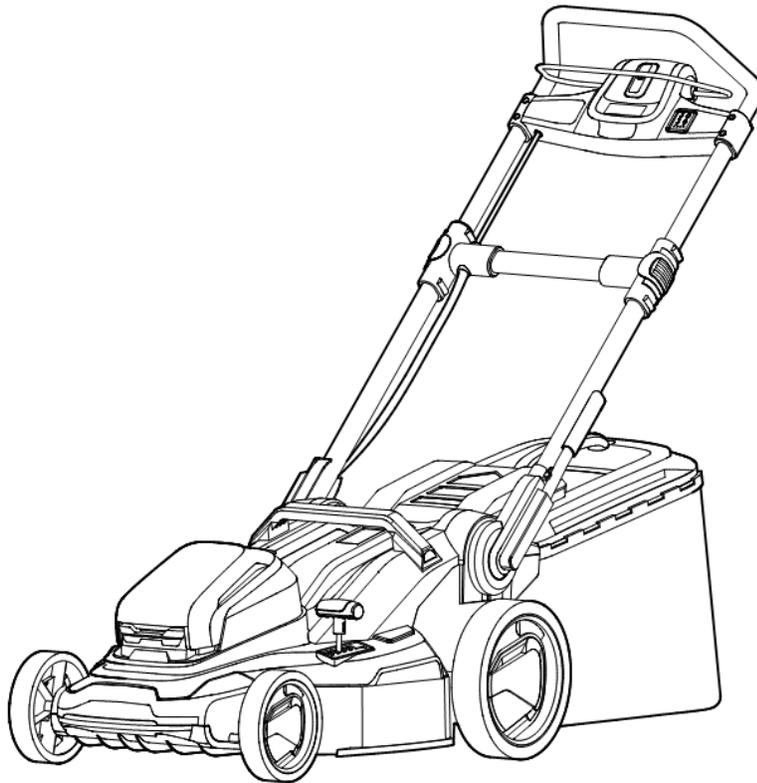


# 40-Volt Cordless Lawn Mower

A40GC20B01

## OPERATOR'S MANUAL

Original Instructions



 **WARNING:** Read all safety rules and instructions carefully before operating this tool. Improper use can cause serious or fatal injury.



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# READ ALL INSTRUCTIONS!



[symbol ISO 7000-0790  
(2004-01)]

read operator's manual

**⚠ WARNING:** Some dust created by power cutting contains chemicals known to the state of California to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- Lead from lead-based paints
- Crystalline silica from bricks and cement and other masonry products, and
- Arsenic and chromium from chemically-treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: 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. Always use eye protection which is marked to comply with ANSI Z87.1.

# 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.

	<p>Safety Alert</p>	<p>Indicates a potential personal injury hazard.</p>
	<p>Eye Protection</p>	<p>Always wear safety goggles or safety glasses with side shields and a full face shield when operating this product.</p>
	<p>Read Operator's Manual</p>	<p>To reduce the risk of injury, user must read and understand operator's manual before using this product.</p>
	<p>Maintain Safety Devices</p>	<p>Do not open or remove safety shields while the tool is running.</p>
	<p>Look Behind While Backing</p>	<p>Look down and behind first to avoid tripping when pulling back.</p>
	<p>DANGER — Keep Hands and Feet Away</p>	<p>To reduce the risk of injury, keep hands and feet away from rotating parts. Do not operate unless discharge cover or grass bag is in its proper place. If damaged, replace immediately.</p>
	<p>DANGER — Keep Bystanders Away</p>	<p>Do not mow when children or others are nearby.</p>
	<p>DANGER — Thrown Debris</p>	<p>Remove objects that can be thrown by the blade in any direction. Wear safety glasses.</p>

	DANGER — Steep Slope Hazard	Use extra caution on slopes. Do not mow slopes greater than 15 degrees.
	Beware of sharp blades	Blades continue to rotate after the motor is switched off-Remove disabling device before maintenance.

	Recycle Symbols	This product uses lithium-ion (Li-ion) batteries. Local, state, or federal laws may prohibit disposal of batteries in ordinary trash. Consult your local waste authority for information regarding available recycling and/or disposal options.
IPX4	Ingress Protection Degree	Protection from splashing water
V	Volt	Voltage
A	Amperes	Current
Hz	Hertz	Frequency (cycles per second)
W	Watt	Power
min	Minutes	Time
~	Alternating Current	Type of current
≡	Direct Current	Type or a characteristic of current
$n_0$	No Load Speed	Rotational speed, at no load
... /min	Per Minute	Revolutions per minute

**⚠ WARNING:** To ensure safety and reliability, all repairs should be performed by a qualified service technician.

## 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 the lawn mowers 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 contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.
- ❑ Battery powered lawn mowers do not have to be plugged into an electrical outlet; therefore, they are always in operating condition. Be aware of possible hazards when not using your battery powered lawn mowers or when changing accessories. Following this rule will reduce the risk of electric shock, fire, or serious personal injury.
- ❑ Do not charge the battery pack outdoors.
- ❑ Use only the charger supplied by the manufacturer to recharge.
- ❑ Do not leave Lawn mowers unattended when the battery is inserted. Remove the battery when the lawn mower is not in use and before servicing.
- ❑ Do not use to pick up flammable or combustible liquids, such as gasoline, or use in areas where they may be present.
- ❑ Do not operate lawn mowers in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.

## SAFETY RULES FOR CORDLESS LAWNMOWER

### For battery

- a) Use only the following type and size battery
- b) Do not dispose of the battery in a fire. The cell may explode. Check with local codes for possible special disposal instructions.
- c) 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.
- d) Exercise care in handling batteries in order not to short the battery with conducting materials such as rings, bracelets, and keys. The battery or conductor may overheat and cause burns.

### For Mower

- 1) Avoid Dangerous Environment – Do not use lawn mowers in damp or wet locations.
- 2) Don't Use In Rain.
- 3) Dress Properly – Do not wear loose clothing or jewelry. They can be caught in

moving parts. Use of rubber gloves and footwear is recommended when working outdoors.

4) Use Right Appliance – Do not use lawn mower for any job except that for which it is intended.

5) Don't Force Lawn Mower – It will do the job better and safer at the rate for which it was designed.

6) Don't Overreach – Keep proper footing and balance at all times.

7) Stay Alert – Watch what you are doing. Use common sense. Do not operate lawn mower when you are tired.

8) Store Idle Lawn Mower Indoors – When not in use, lawn mower should be stored in an indoor dry and locked-up place – out of reach of children.

9) Maintain Lawn Mower With Care – Keep cutting edges sharp and clean for best and safest performance.

10) Keep guards in place and in working order.

11) Keep blades sharp.

12) Keep hands and feet away from cutting area.

13) Objects struck by the lawn mower blade can cause severe injuries to persons. The lawn should always be carefully examined and cleared of all objects prior to each mowing.

14) If lawn mower strikes a foreign object, follow these steps:

i) Stop lawn mower. Release the switch.

ii) Unplug power cord.

iii) Inspect for damage.

15) Use identical replacement blades only.

**⚠ DANGER:** This machine was built to be operated according to the rules for safe operation included in this manual. As with any type of power equipment, carelessness or error on the part of the operator can result in serious injury. This machine is capable of amputating hands and feet and throwing objects. Failure to observe all safety instructions could result in serious injury or death.

**⚠ WARNING:** When using electric lawn mowers, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury. These basic precautions include the following:

## **CHILDREN**

Tragic accidents can occur if the operator is not alert to the presence of children. Children are often attracted to the

mower and mowing activity. They do not understand the dangers. 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 mower off if a child enters the area.
- Use extreme care when approaching blind corners, doorways, shrubs, trees, or other objects that may obscure your vision of a child who may run into the mower.
- Never allow children under 15 years old to operate a power mower. Children 15 years old and over should read and understand the operation instructions and safety rules in this manual and should be trained and supervised by a parent. Only responsible individuals who are familiar with these rules of safe operation should be allowed to use this machine.

## **OPERATION**

### **General Operation:**

- Read this operator's manual carefully in its entirety before attempting to assemble this machine. Read, understand, and follow all instructions on the machine and in the manuals before operation. Be completely familiar with the controls and proper use of this machine before operating it. Keep this manual in a safe place for future and regular reference and for ordering replacement parts.
- Use the right appliance—Do not use the lawn mower for any job except that for which it is intended. Your lawn mower has been designed to perform only one job: to mow grass.
- Don't overreach – Keep proper footing and balance at all times.
- Objects struck by the lawn mower blade can cause severe injuries to persons. The lawn should always be carefully examined and cleared of all objects prior to each mowing.
- Keep the area of operation clear of all persons, particularly small children, and pets.
- Before and while moving backwards with the mower, look behind and down for small children and other people.
- Keep clear of the discharge opening at all times.
- This machine is a precise piece of power equipment, not a plaything. Therefore, exercise extreme caution at all times. Your unit has been designed to perform one job: to mow grass. Do not use it for any other purpose.
- Don't force the lawn mower – it will do the job better and more safely at the rate for which it was designed.

- Thoroughly inspect the area where the equipment is to be used. Remove all stones, sticks, wire, toys and other foreign objects that could be tripped over or picked up and thrown by the blade. Thrown objects can cause serious personal injury.
- Plan your mowing pattern to avoid discharge of material toward roads, sidewalks, bystanders and the like. Also, avoid discharging material against walls or obstructions, which may cause discharged material to ricochet back toward the operator.
- To help avoid blade contact or an injury from thrown objects, stay in the operator zone behind the handles and keep children, bystanders, helpers and pets at least 100 feet (30m) from the mower while it is in operation. Stop the machine if anyone enters the area.
- Always wear safety glasses or safety goggles during operation and while performing an adjustment or repair to protect your eyes. Thrown objects that ricochet can cause serious injury to the eyes. Always use a face or dust mask if the operation is dusty.
- Dress properly – Do not wear loose clothing or jewelry. They can be caught in moving parts. Use of rubber gloves and footwear is recommended when working outdoors. Wear sturdy, rough-soled work shoes and close-fitting slacks and shirts. Shirts and pants that cover the arms and legs and steel-toed shoes are recommended. Never operate this machine in bare feet, sandals, slippery or lightweight (e.g., canvas) shoes.
- Do not put hands or feet near rotating parts or under the cutting deck. Contact with the blade can amputate hands and feet.
- A missing or damaged discharge cover can cause blade contact or injuries from thrown objects.
- Many injuries occur as a result of the mower being pulled over the foot during a fall caused by slipping or tripping. Do not hold onto the mower if you are falling; immediately release the handle.
- Never pull the mower back toward you while you are walking. If you must back the mower away from a wall or obstruction, first look down and behind you to avoid tripping, and then follow these steps:
  - Step back from mower to fully extend your arms.
  - Be sure you are well balanced with sure footing.
  - Pull the mower back slowly, no more than half way toward you.
  - Repeat these steps as needed.
- Do not operate the mower while under the influence of alcohol or drugs.

- Stay alert – watch what you are doing. Use common sense. Do not operate the lawn mower when you are tired.
- The motor/blade control handle is a safety device. Never attempt to bypass its operation. Doing so makes the safety device inoperative and may result in personal injury through contact with the rotating blade. The motor/blade control handle must operate easily in both directions and automatically return to the disengaged position when released.
- Avoid dangerous environments – Don't use lawn mowers in damp or wet locations so as to avoid slipping and falling during operation.
- Always be sure of your footing. A slip and fall can cause serious personal injury. If you feel you are losing your footing, release the motor/blade control handle immediately and the blade will stop rotating within three seconds.
- Mow only in daylight or good artificial light. Walk, never run while operating.
- Stop the blade when crossing gravel drives, walks or roads.
- If the equipment should start to vibrate abnormally, immediately stop the motor, remove the battery and check for the cause. Vibration is generally a warning of trouble.
- Before cleaning the machine, unclogging the chute or removing or replacing the grass bag, mulching insert, or side discharge chute, turn the motor off and wait until the blade comes to a complete stop, then remove the battery pack. The cutting blade continues to rotate for a few seconds after the motor is shut off. Never place any part of the body in the blade area until you are sure the blade has stopped rotating.
- Never operate the mower without the proper trailing shield, discharge cover, grass bag, mulching insert, side discharge chute, motor/blade control handle or other safety protective devices in place and working. Never operate the mower with damaged safety devices. Failure to do so can result in personal injury.
- If situations occur that are not covered in this manual, use care and good judgment. Contact HENX Customer Service for assistance.
- Use only with the battery packs and chargers listed below:

BATTERY PACK	CHARGER
A40B25B01 A40B50B01 A40B75B01	A40MC75B01

## **OPERATION ON A SLOPE:**

Slopes are a major factor related to slip-and-fall accidents, which can result in severe injury. Operation on slopes requires extra caution. If you feel uneasy on a slope, do not mow it. For your safety, use the slope gauge on page 22 to measure slopes before operating this unit on a sloped or hilly area. If the slope is greater than 15 degrees, do not mow it.

### **Do:**

- Mow across the face of slopes; never mow up and down. Exercise extreme caution when changing direction on slopes.
- Watch for holes, ruts, rocks, hidden objects, or bumps which can cause you to slip or trip. Tall grass can hide obstacles.

### **Do not:**

- Do not mow near drop-offs, ditches or embankments; you could lose your footing or balance.
- Do not mow slopes greater than 15 degrees, as shown on the slope gauge.
- Do not mow on wet grass. Unstable footing could cause slipping.

# SERVICE

**⚠ WARNING:** Grass bag components, the discharge cover, side discharge chute, mulching insert and trailing shield are subject to wear and damage, which could expose moving parts or allow objects to be thrown and could increase the risk of injury. For safety protection, frequently check all components and replace damaged components immediately with identical replacement parts, listed in this manual.

- If the mower's built-in overload protection switch frequently trips, contact HENX Customer Service or your Closest service center.
- Do not wash the mower with a hose; avoid getting water in the motor and electrical connections.
- Remove the battery and store the idle lawn mower in a covered area when not in use. Allow the motor to cool before storing it in any enclosure. The lawn mower should be stored in a dry, high, or locked-up enclosure, out of reach of children.
- When servicing, use only identical replacement parts listed in this manual. Use of parts that do not meet the original equipment specifications may lead to improper performance and compromised safety.
- Remove or disconnect the battery pack before servicing, cleaning, or removing material from the lawn mower.
- Follow instructions for lubricating and changing accessories.
- Keep handles dry, clean and free from oil and grease.
- To reduce a fire hazard, keep the motor cover free of grass, leaves and debris build-up.
- Check the blade and motor mounting bolts at frequent intervals for proper tightness. Also, visually inspect the blade for damage (e.g., bending, cracking and wear.). Replace the blade only with the identical replacement blade, as listed in this manual.
- Maintain your mower with care – keep the mower blade sharp and clean for the best and safest performance. Mower blades are sharp and can cut. Wrap the blade or wear gloves and use extra caution when servicing it.
- Keep all nuts, bolts, and screws tight to be sure the equipment is in safe working condition.
- Never remove or tamper with safety devices. Regularly check their proper operation. Never do anything to interfere with the intended function of a safety device or to reduce the protection provided by a safety device.
- Always stop the motor before making adjustments to a wheel or a cutting-height adjustment.
- After striking a foreign object, stop the motor, remove the battery pack, allow the blade to stop rotating, and

thoroughly inspect the mower for any damage. Repair the damage before operating the mower.

- Maintain or replace safety and instruction labels, as necessary.
- **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 possibly injury.

# INTRODUCTION

Congratulations on your selection of a new generation of 40V Lithium-ion powered lawn mower. It has been designed, engineered and manufactured to give you the best possible dependability and performance.

Should you experience any problem you cannot easily remedy, please contact HENX customer service center (866) 678-8989.

This manual contains important information on the safe assembly, operation and maintenance of your mower. Read it carefully before using the mower. Keep this manual handy so you can refer to it at any time.

SERIAL NUMBER \_\_\_\_\_

DATE OF

PURCHASE \_\_\_\_\_

THE MODEL AND SERIAL NUMBERS WILL BE FOUND ON A LABEL ATTACHED ON THE REAR DISCHARGE DOOR.

YOU SHOULD RECORD BOTH SERIAL NUMBER AND DATE OF PURCHASE AND KEEP IN A SAFE PLACE FOR FUTURE REFERENCE

# SPECIFICATIONS

Model Number	A40GC20B01
Voltage	40V DC
No-Load Speed	0-2800rpm / 0-3200rpm
Approximate Cutting Height Setting	5 5 different cutting heights from 1-1/5"(30mm) to 3"(75mm) are available.
Deck Cutting Size	20" (510mm)
Grass Bag Volume	60L
Mower Weight (Without battery pack; with mulching insert)	52 lb. (23Kg)

## APPROXIMATE RUNNING TIME

Battery pack type	Lithium-ion
A40B25B01	30 min.
A40B50B01	45 min.
A40B75B01	60 min.

**NOTICE:** The actual running time will vary with grass condition: species, density, moisture, etc.

## ASSEMBLY

**⚠ WARNING:** To prevent accidental starting that could cause serious personal injury, always remove the battery pack from the tool when assembling parts.

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

### UNPACKING

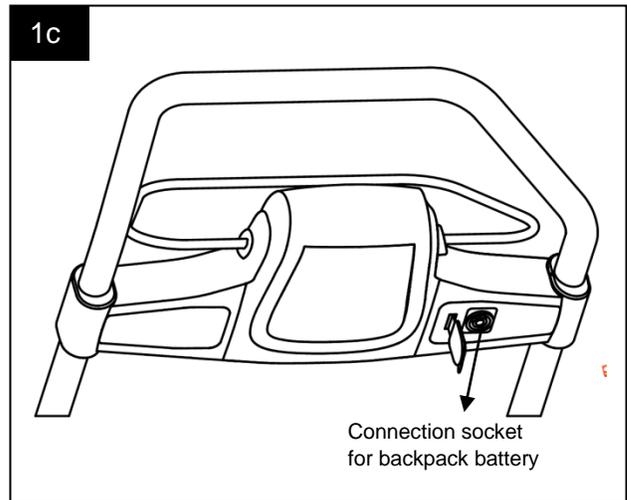
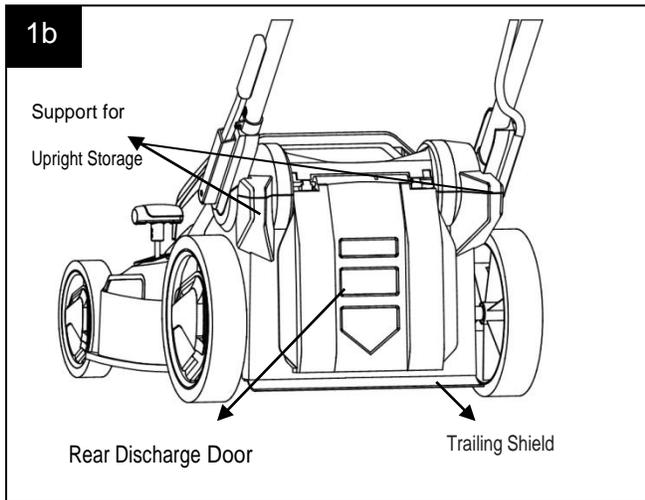
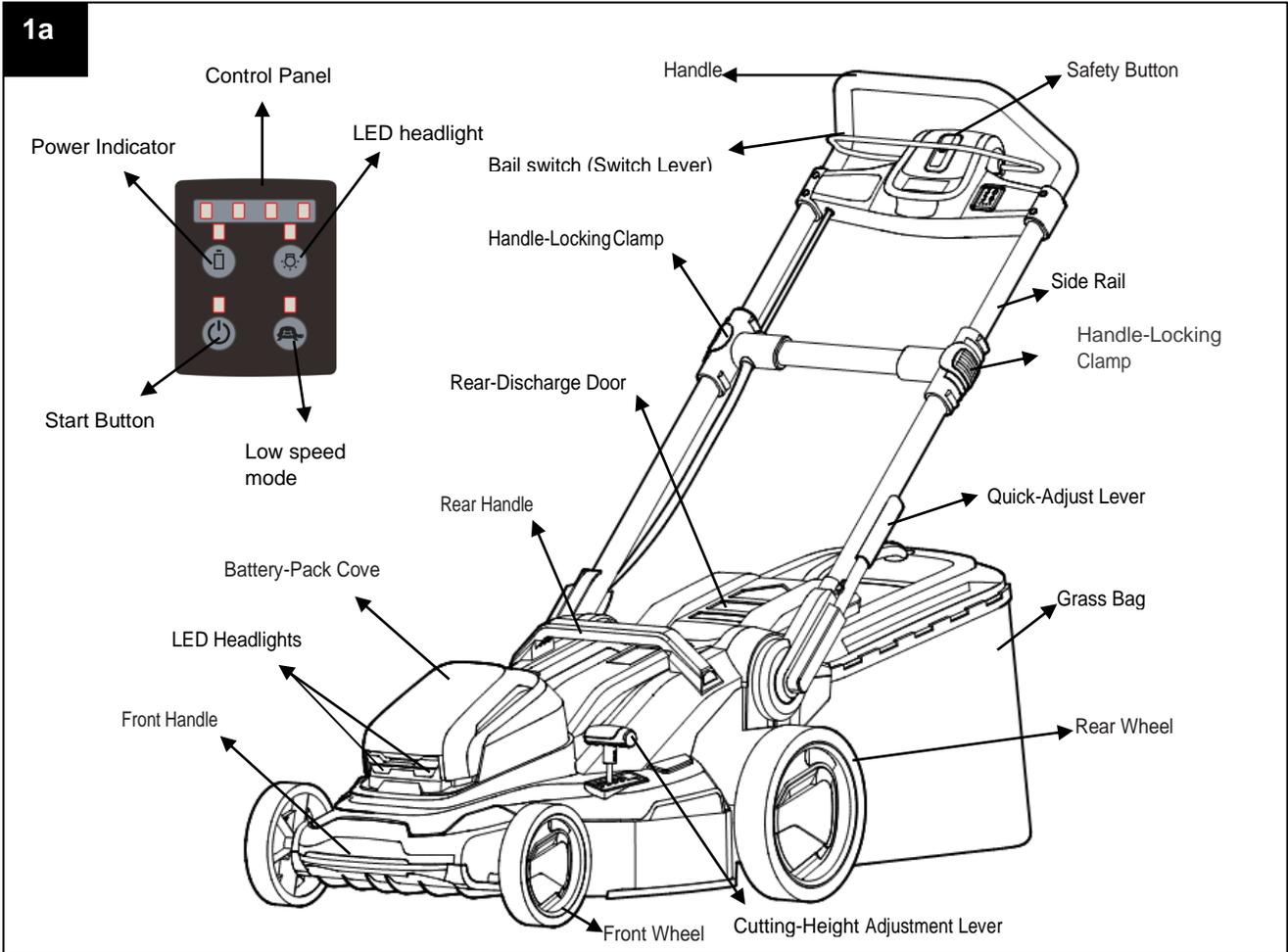
- First remove all the accessories from the carton, then grasp the front handle and rear handle at the same time to carefully lift the mower up and out of the carton. Make sure that all items listed in the parts list are included.
- Inspect the product carefully to make sure that no breakage or damage occurred during shipping.
- Do not discard the packing material until you have carefully inspected and satisfactorily operated the mower.
- If any parts are damaged or missing, please return the mower to the place of purchase.

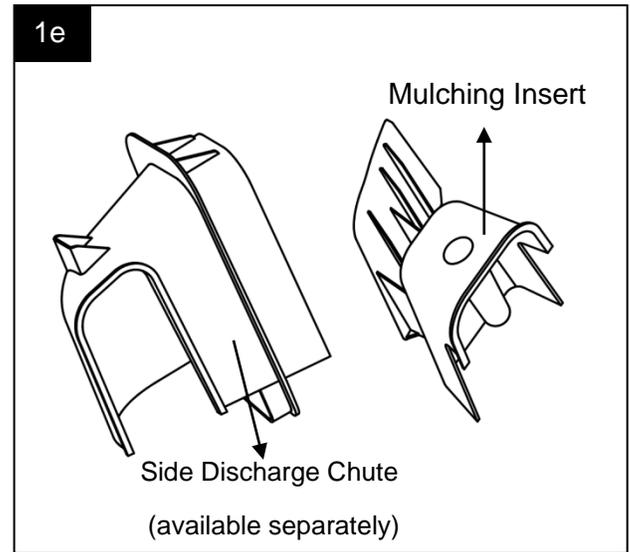
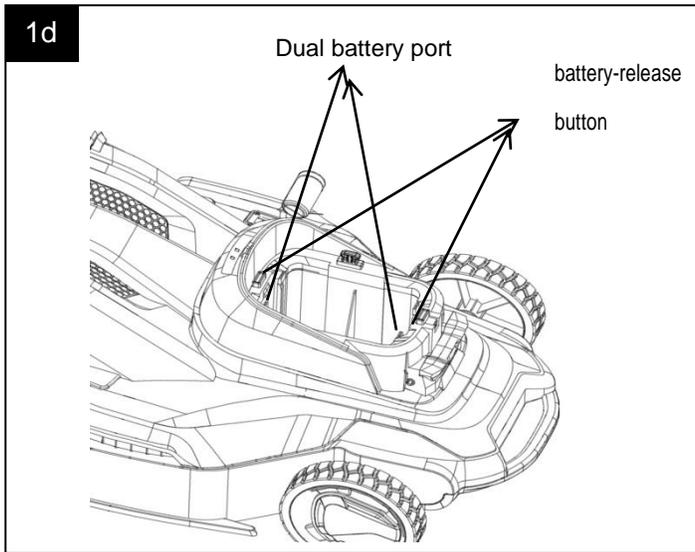
## LIST OF CONTENTS

PART NAME	QUANTITY
Lawn mower	1
Grass bag	1

Grass bag frame	1
Side Discharge Chute	1
Mulching insert (pre-installed in mower)	1
Operator's manual	1

# DESCRIPTION





**⚠ WARNING:** 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 use of this product, familiarize yourself with all operating features and safety rules.

### SAFETY BUTTON

The safety button must be pressed down before the motor can be started.

**⚠ WARNING:** The bail switch and the safety button are safety devices. Never attempt to bypass their operations.

### ELECTRIC BRAKE

Quickly stops blade rotation when the bail switch is released.

### HANDLE-LOCKING CLAMP

Locks/unlocks the side rails in the extended or the recessed position.

### SIDE RAILS

Can be extended and locked for operation or recessed for storage.

## **QUICK-ADJUST LEVER**

Locks/unlocks the handle position when adjusting the angle of the mower handle, there will be 3 positions available:

1. Locked Storage Position
2. Grass Bag Attachment/Removal Position
3. Operating Position

## **TRAILING SHIELD & REAR DISCHARGE DOOR**

The trailing shield is designed to minimize stones or other objects being thrown backward by the mower blade. The shield and the rear door minimize the possibility of accidental foot contact with the blade. DO NOT operate the mower without the trailing shield and rear door in place.

## **LED HEADLIGHTS**

The LED headlights are located in the front of the mower. This feature provides extra light for increased visibility.

## **SPRING-LOADED CUTTING-HEIGHT ADJUSTMENT LEVER**

One-handed cutting-height adjustment

# OPERATION

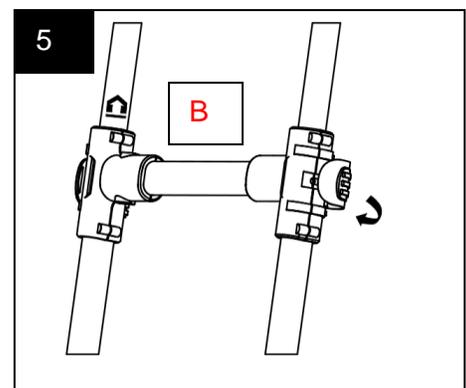
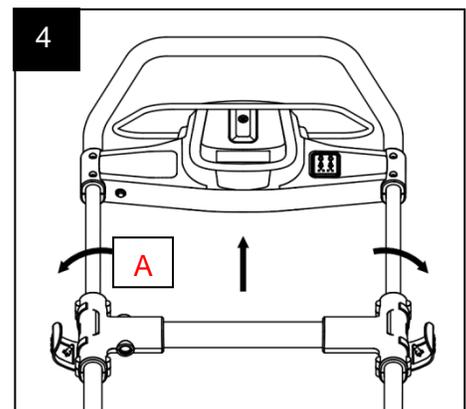
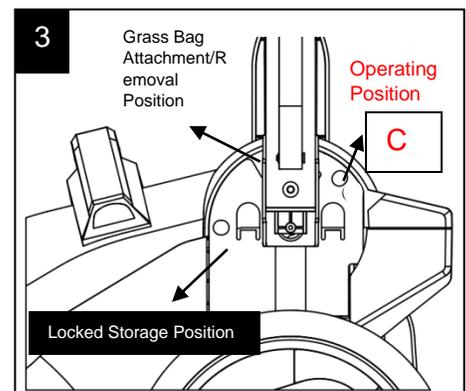
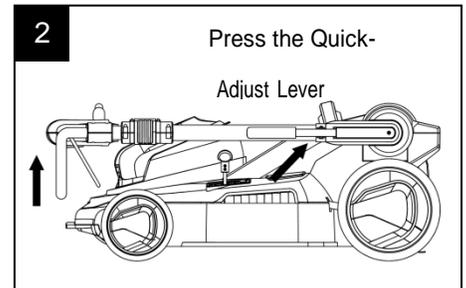
## ADJUSTING THE FOLDABLE HANDLE

**⚠ WARNING:** Do not attempt to start the mower until the handle has been locked at Operating Position.

1. **LOCKED STORAGE POSITION:** Your mower is shipped with the handle in the compact, locked position (Fig. 2).
2. **GRASS BAG ATTACHMENT/REMOVAL POSITION:** Press and hold the quick-adjust lever with your right hand to release the handle from the locked storage position. Begin to lift the handle from its folded position with your left hand, and then release the lever (Fig. 2). Gently pivot the handle upward until you hear and feel the lock pin engage in the first position (Fig. 6.) This position allows easy access to install and remove the grass bag.
3. **OPERATING POSITION:** press and hold the quick-adjustment lever with your left hand to release the handle from Grass Bag Attachment/Removal Position(Fig.3).Begin to lower the handle with your right hand, and then release the lever. Gently pivot the handle downward until you hear and feel the lock pin engage in the Operating Position(Fig.3). Fully extend the side rails and securely close the two handle-locking clamps(Fig. 4 & 5).

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

- a) The side rails are fully extended
- b) Both green handle-locking clamps are securely closed
- c) The handle is locked into Operating Position.



## ATTACHING/REMOVING THE GRASS BAG

**⚠ WARNING:** Do not at any time make any adjustment to the lawn mower without first stopping the motor, removing the battery pack 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;

1. Remove the battery.
  2. Adjust the handle to the Grass Bag Attachment/Removal Position (please see ADJUSTING THE FOLDABLE HANDLE).
  3. Lift the rear-discharge door.
  4. Hook the grass bag assembly on the pivot rod (Fig. 6). Release the discharge door so that it rests on the grass bag.
  5. To remove the grass bag, lift the rear-discharge door on the mower. Lift the grass bag up, off of the pivot rod.
- d) Release the discharge door.

**⚠ WARNING:** When using the grass bag, never operate the mower unless the hooks on the grass bag are firmly seated on the pivot rod and the rear-discharge door rests firmly against the top of the grass bag.

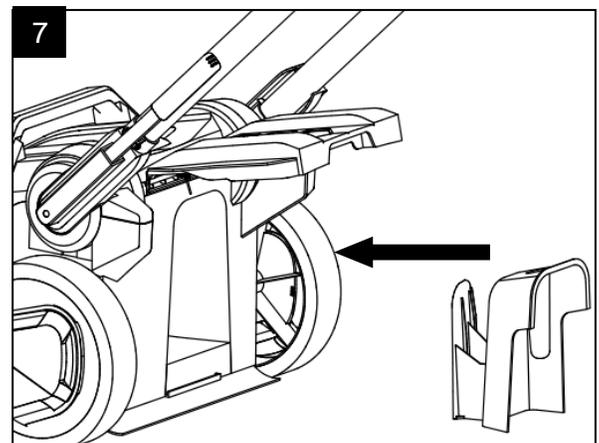
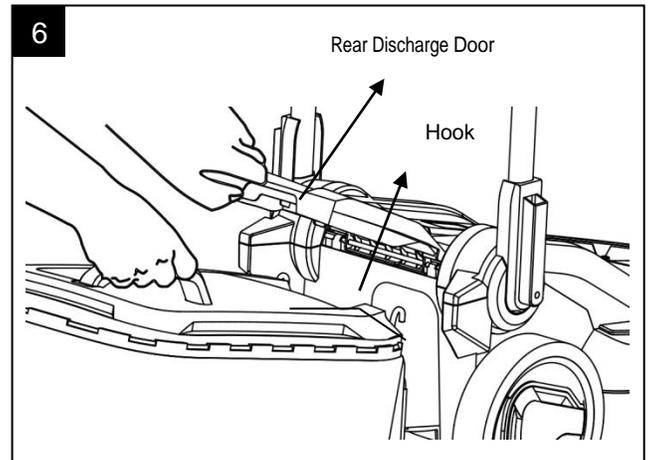
**⚠ WARNING:** Under normal usage, bag material is subject to wear. To reduce the risk of injury, frequently inspect the bag assembly and replace if there are any signs of wear or deterioration. Use only grass bags manufactured for this mower.

## ATTACHING/REMOVING THE MULCHING INSERT

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

1. Remove the battery.
2. Lift the rear-discharge door.
3. Grasp the handle of the mulching insert and fully insert it into the mower, so that it is securely seated (Fig. 7).
4. To remove the mulching insert, lift the rear-discharge door, grasp the handle of the mulching insert, and pull it out.
5. Release the discharge door and make sure it rests firmly against the mulching insert.

**NOTICE:** The mulching insert must be removed in order to install and use the grass bag and must be re-installed when the grass bag is removed.

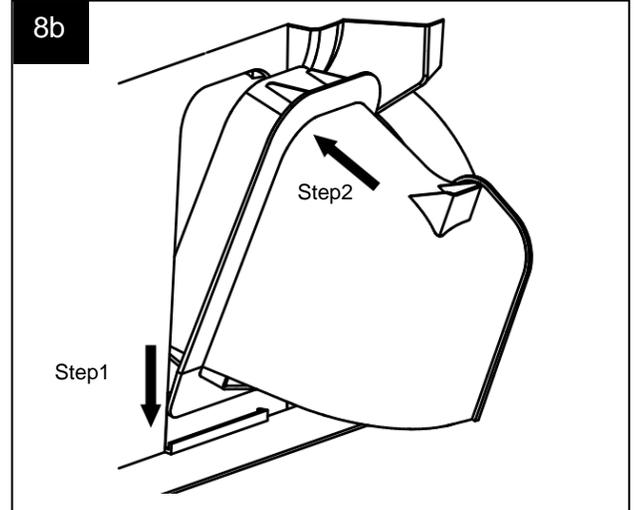
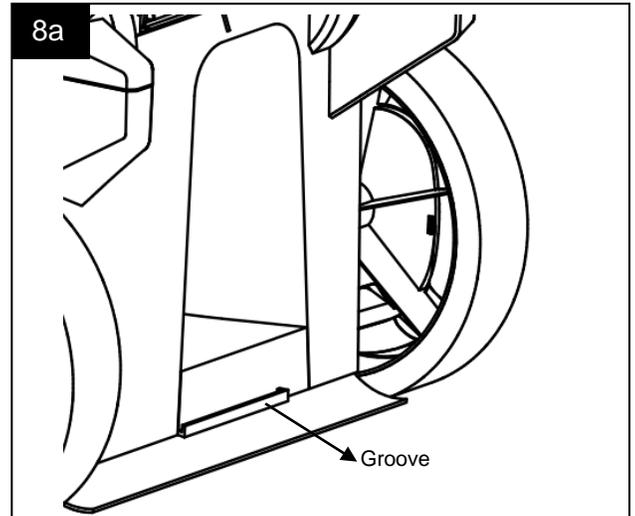


## ATTACHING/REMOVING THE SIDE DISCHARGE CHUTE

(available separately) (Fig. 8a & b)

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

1. Remove the battery.
2. Lift the rear-discharge door.
3. Align the lower edge of the discharge with the groove of the door sill and insert it into the slot.
4. Push the top of the discharge and insert it into the mower. Check to see that it is securely seated in the deck.
5. To remove the side discharge chute, lift the rear-discharge door, grasp the side discharge chute and pull it out.
6. Release the discharge door and make sure that it rests firmly against the discharge chute.



## SPRING-LOADED CUTTING-HEIGHT ADJUSTMENT (Fig. 9)

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

**⚠ WARNING:** Keep your feet away from the deck when adjusting its height.

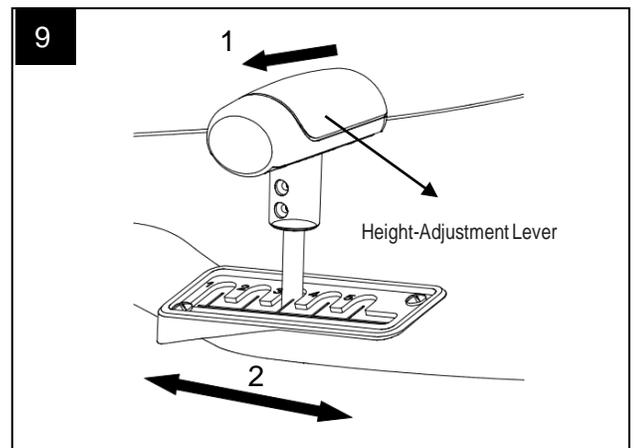
The mower can be set to 5 cutting heights between 1-1/5" (30mm) and 3" (75mm). Choose the proper cutting height according to the type and condition of the grass.

### To raise the blade height

1. Grasp the height-adjustment lever, and move it outwards.
2. Move the lever toward the back of the mower and engage the lever in the desired cutting-height position on the mower deck.

### To lower the blade height

1. Grasp the height adjustment lever, and move it outwards.
2. Move the lever toward the front of the mower and engage the lever in the desired cutting-height position on the mower deck.



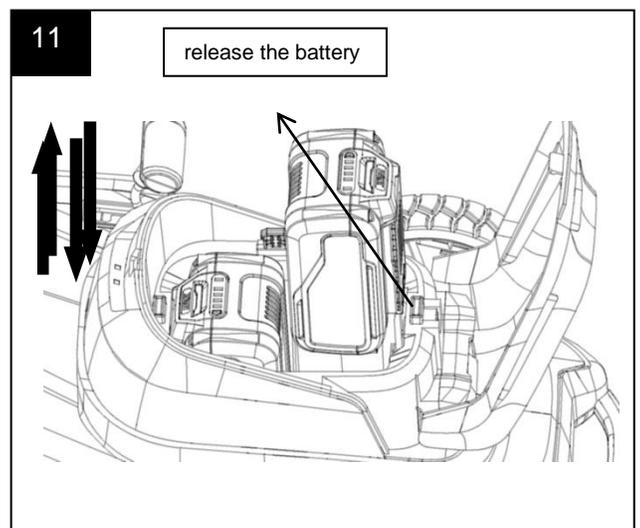
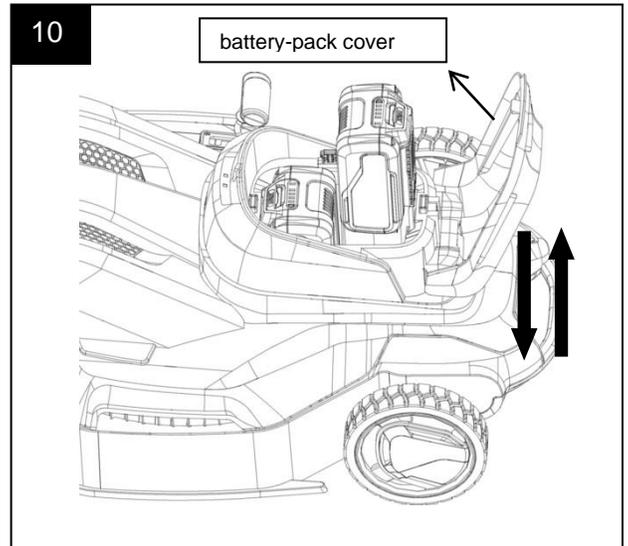
## TO ATTACH/DETACH THE BATTERY PACK (Fig. 10 &11)

### 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.

1. The battery cover is hinged. Raise the battery cover by lifting the front of the cover.
2. Align the grooves in the battery pack, with the raised ribs in the battery compartment, and then insert the battery pack into the compartment.
3. Push the battery pack until you hear a “click”. The battery-release button will spring up when the battery pack is securely attached.
4. To detach the battery pack, depress the battery-release button to release the battery pack, and then lift it out of the compartment.
5. Close the battery cover.

**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. 12, 13 & 14)

**⚠ 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' (30m) away from the mower when it is in use.

**⚠ 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.

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

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

- The side rails are fully extended
- Both green handle-locking clamps are securely closed
- The handle is locked into Operating Position.

### To start the mower

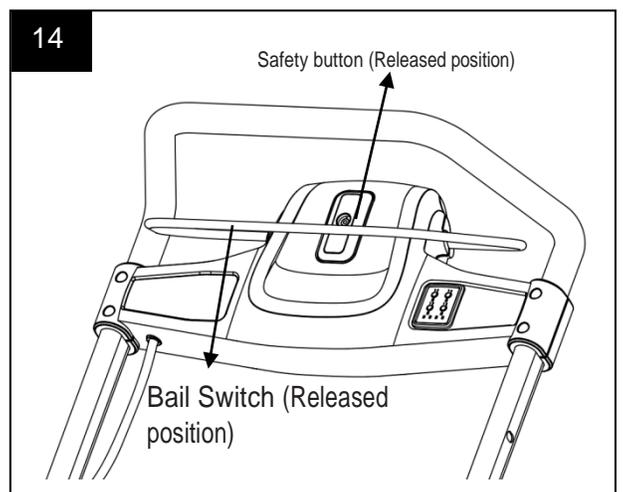
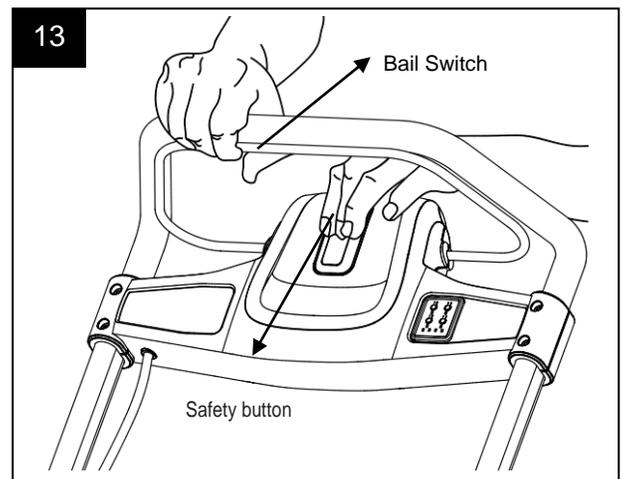
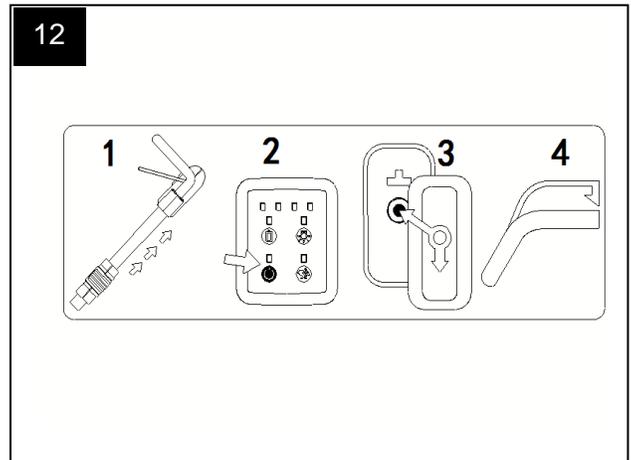
1. Attach the battery pack to the mower and close the battery cover.

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

2. Depress the safety button (Fig. 13 & 14).
3. With the safety button depressed, pull the bail switch upward to meet the handle and release the safety button (Fig. 14).
4. The mower will start.

### To stop the mower

1. Fully release the bail switch (Fig. 14).
2. The electric brake in the Automatic Braking Mechanism will stop the blade rotation within 3 seconds of the bail switch release.

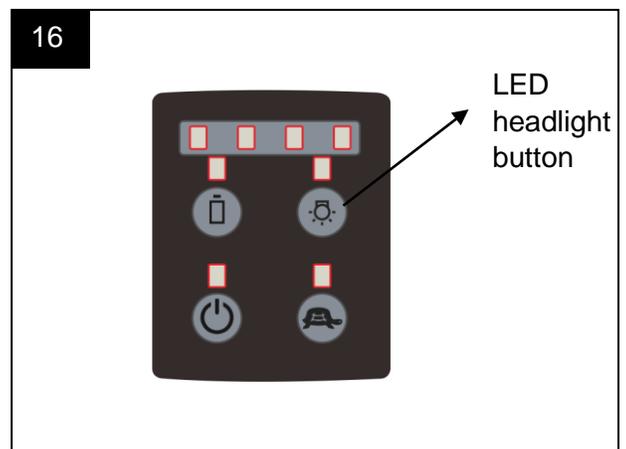
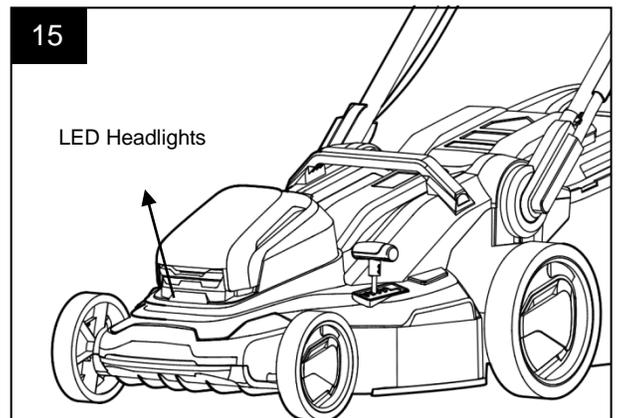


## LED HEADLIGHTS (Fig. 15)

The LED headlights are located on the front of the battery compartment.

To turn on the lights, press the switch button (Fig. 15). The headlights provide bright light in front of the mower.

To turn off the headlights, press the switch button again.



## 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 power indicator on the mower will flash red. 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 power indicator on the mower will shine orange and the LED on the battery will flash red.

Release the bail handle, wait until the battery pack cools down to approximately 65°C, then restart the mower.

## MOWING TIPS

**NOTICE:** A sharp blade will greatly enhance the performance of the mower, especially when cutting tall grass. Make sure to check the sharpness of the blade before mowing.

- Verify that the lawn is free of stones, sticks, wires, and other objects which could damage the lawn mower or motor. Such objects could be accidentally thrown by the mower in any direction and could cause serious personal injury to the operator and to others.

**⚠ WARNING:** If you strike a foreign object, stop the motor and remove the battery. Thoroughly inspect the mower for any damage, and repair the damage before restarting and operating the mower. Excessive vibration of the mower during operation is an indication of damage. The unit should be promptly inspected and repaired.

- For best results, do not mow in circles. Travel back and forth across the lawn.
- When cutting thick grass, reduce your walking speed in order to allow for a more effective cut and a proper discharge of the clippings.
- To maintain a healthy lawn, cut off only one-third or less of the total length of the grass. The average lawn should be approximately 1-1/2 to 2 inches long during cool months, and between 2 to 3-1/4 inches long during hot months.

## SLOPE GAUGE (Fig. 21)

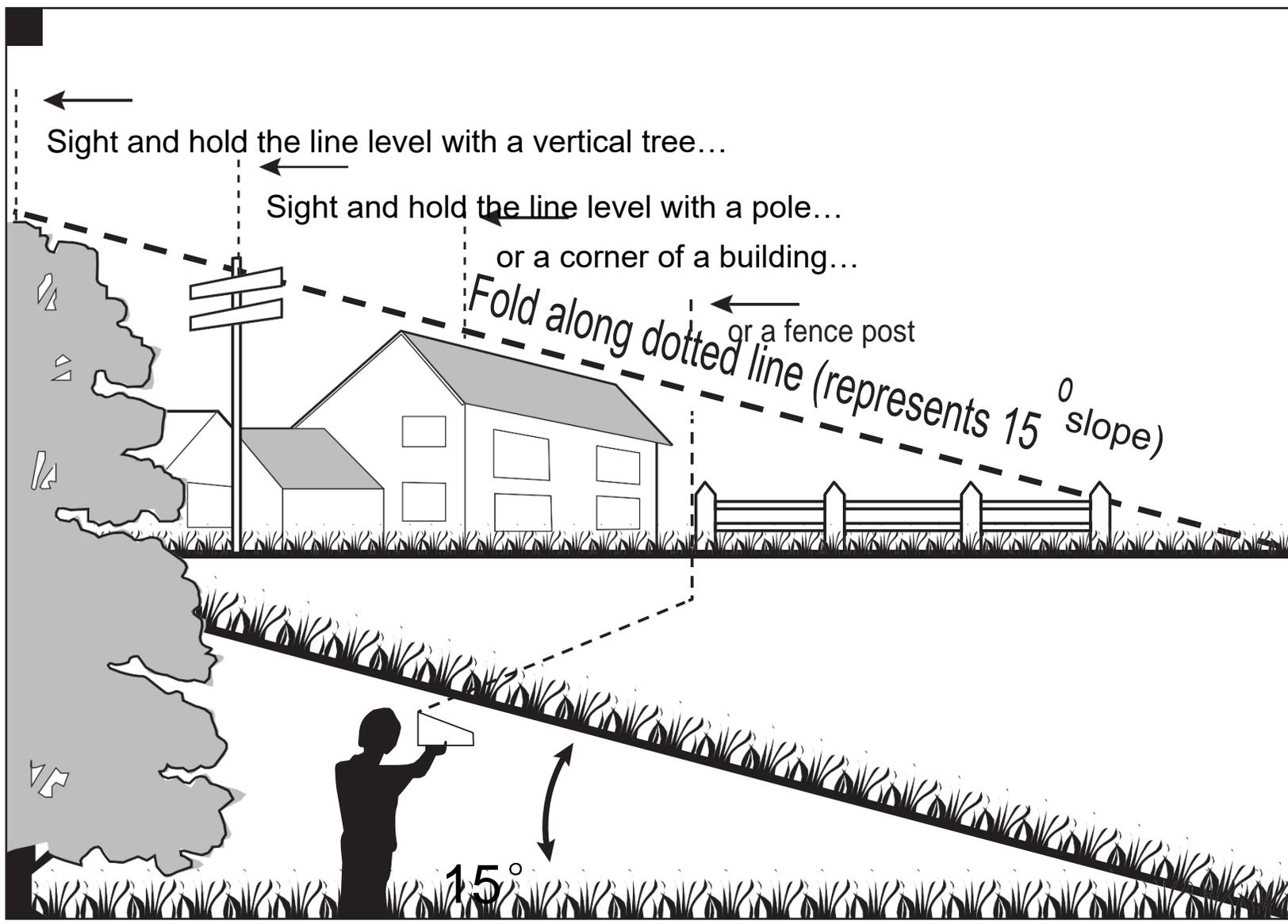
**⚠ WARNING:** Do not mow a slope that has an angle of greater than 15° (a rise of approximately 2 1/2' (0.75m) every 10' (3m)). Mow across the face of a slope and never up and down.

Use Fig. 21 as a guide in order to identify slopes that cannot be mowed safely.

## MULCHING TIPS

**⚠ WARNING:** Inspect the area where the mower is to be used and remove all stones, sticks, wire and other debris that might be thrown by the rotating blade.

- Release the switch to turn off the mower blade rotation when crossing any graveled areas; stones can be thrown by a rotating blade.
- Set the mower to the highest cutting height when mowing on uneven ground or in tall growth.
- For effective mulching, do not cut wet grass; it tends to stick to the underside of the deck, preventing the proper mulching of grass clippings. The best time to mow grass is in the late afternoon, when the grass is dry and the newly cut area will not be exposed to direct sunlight.
- For the best mulching performance, set the cutting height to remove approximately one third of the grass blade length, ideally no more than 1 1/2" at one time. If the grass is overgrown, it may be necessary to increase the cut height to make it easier to mow and to prevent overloading the motor. Slow your cutting pace in tall or thick grass conditions. For mulching extremely thick or tall grass, it is advisable to first cut at a high cut-height setting, and then re-cut to the final cut height. Otherwise, make narrower cuts and mow slowly. **ALWAYS MAKE SURE THAT THE BLADE IS SHARP.**



# MAINTENANCE

**⚠ WARNING:** To avoid serious personal injury, always remove the battery pack from the mower before cleaning or performing any maintenance.

**⚠ 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 should be performed by a qualified service technician.

## CLEANING THE MOWER

**⚠ WARNING:** Always remove the 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. This accumulation is undesirable, as it will promote rust and corrosion.

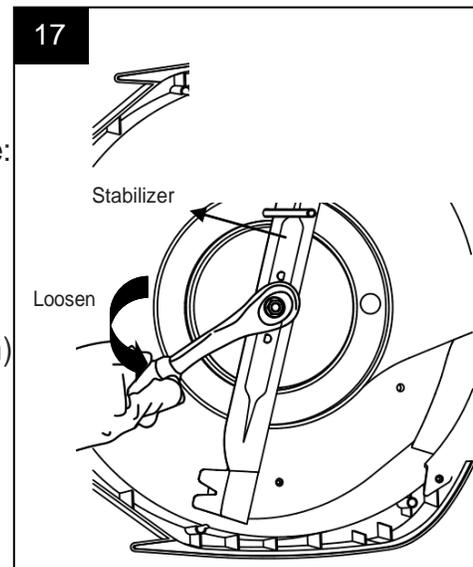
## REMOVING THE BLADE

**⚠ 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.

**NOTICE:** The following tools are required for replacing the blade:

- 16mm wrench
- torque wrench
- Manual screwdriver or metal rod with a diameter of 5/16" (8mm)

1. Stop the motor; remove the battery pack from the mower.
2. Turn the mower on its side.
3. While wearing protective gloves, place a metal rod (e.g., a 3.5" length screw bit) with diameter less than 5/16" (8mm) into the fixing hole to act as a stabilizer (Fig. 17).
4. Use one inch (16mm) wrench to turn the blade bolt counterclockwise to loosen it.
5. Continue using the inch (16mm) wrench to turn the blade bolt counterclockwise to loosen it completely.
6. While wearing protective gloves, remove the bolt, outer flange and the blade (Fig. 17).

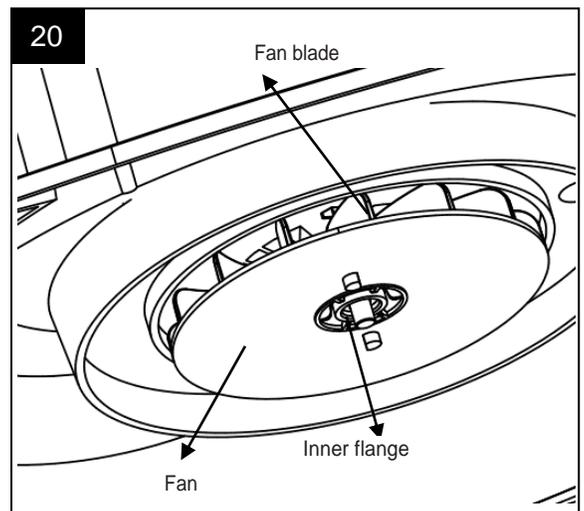
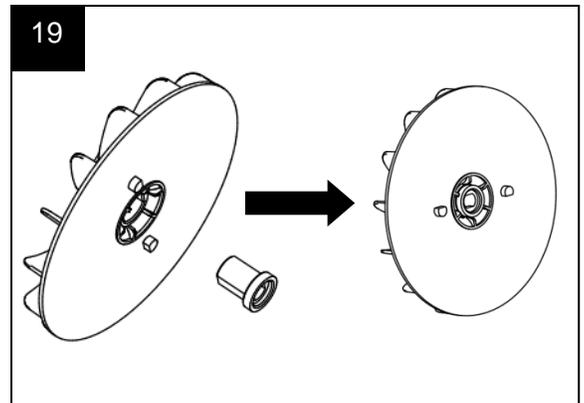
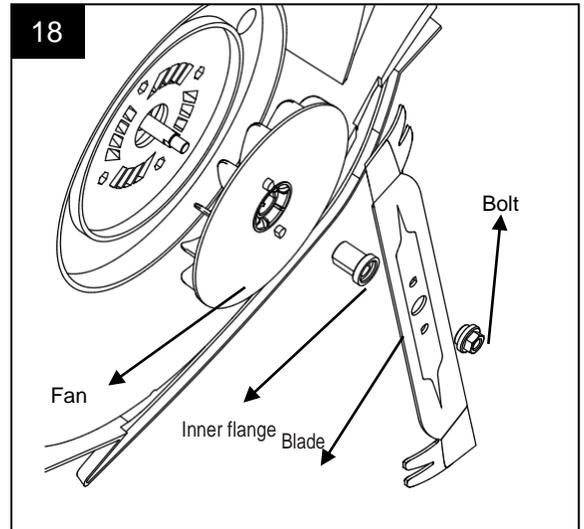


**INSTALLING THE BLADE** gloves or wrapping the cutting edges with rags or other materials when performing any maintenance on the mower blade.

Always remove the battery pack when servicing or transporting the mower.

**NOTICE:** To re-install or replace the blade, be sure to replace the parts in the exact order in which they were removed (Fig. 18).

1. Mount the inner flange to the fan (Fig. 19).
2. Mount the fan and the inner flange onto the motor shaft with the fan blade towards the deck (Fig. 20).



3. While wearing protective gloves, position the blade on the inner flange with the surface stating "THIS SIDE FACING GRASS" facing toward the outside (Fig. 21).
4. Determine the direction of blade according to the position of mounting holes.
5. Mount the bolt into the shaft and turn it clockwise by hand to pre-tighten it.
6. While still wearing protective gloves, hold the blade with one hand and turn the fan with the other hand to align the holes in the blade with the through holes in the inner flange (Fig. 22).
7. Place a metal rod (e.g., a 3.5" length screw bit) with diameter less than 1/4 inch (6.35mm) into the aligned holes to act as a stabilizer. Place another metal rod (e.g., a 3.5" length screw bit) with diameter less than 5/16" (8mm) into the fixing hole to act as another stabilizer (Fig. 23).
8. Use a 9/16 inch (14mm) torque wrench (not included) to tighten the bolt clockwise. The recommended torque for the blade bolt is 36-43 ft-lb (49-59Nm).

## SHARPENING 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.

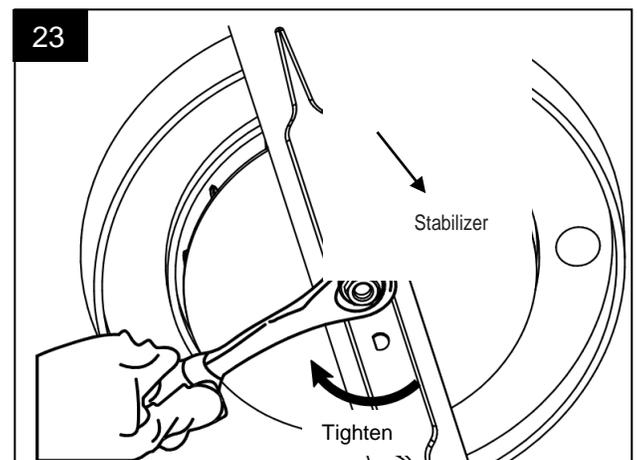
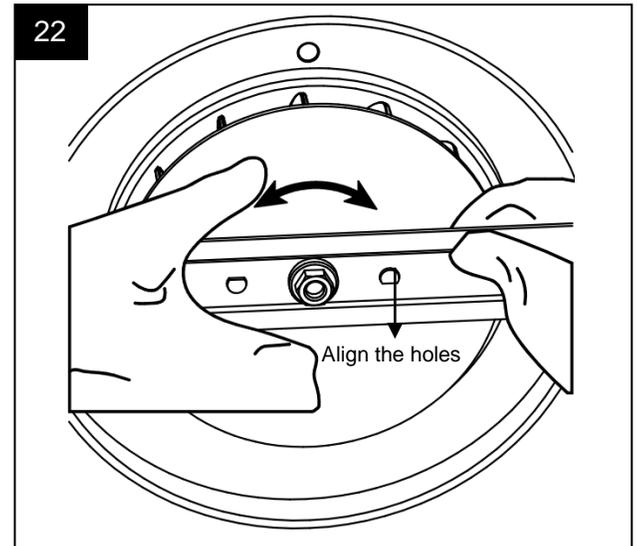
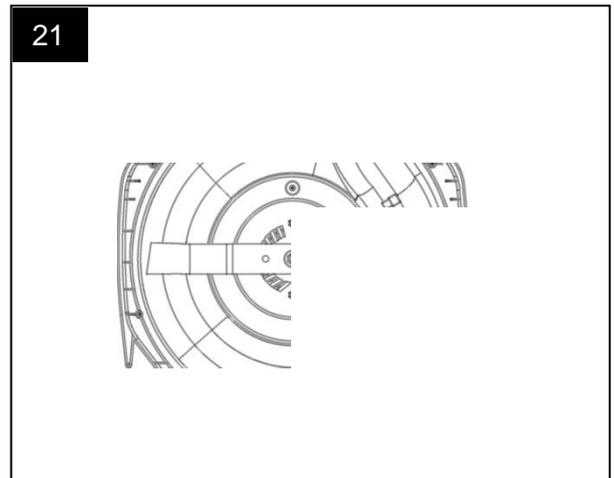
**⚠ WARNING:** Use proper eye protection while removing, sharpening, and installing the blade.

**⚠ WARNING:** A worn, cracked, or damaged blade can break and pieces of the damaged blade can become dangerous projectiles. Thrown objects can cause serious injury. Inspect the blade regularly and do not operate the mower with a worn or damaged blade.

**NOTICE:** Keep the blade sharp for best mower performance. A dull blade does not cut grass cleanly or mulch properly.

A dull blade can be sharpened, but a blade that is excessively worn, bent, cracked, or otherwise damaged must be replaced. A worn or damaged blade can break, causing blade pieces to be thrown from the mower.

If the blades are found to be bent, take the lawn mower to an authorized HENX service center for inspection.



## SHARPING FREQUENCY

Sharpening the blade twice during a mowing season is usually sufficient under normal circumstances. Sand causes the blade to dull quickly; if your lawn has sandy soil, more frequent sharpening may be required.

### WHEN SHARPENING THE BLADE:

- Make sure that the blade remains balanced.
- Sharpen the blade at the original cutting angle.
- Sharpen the cutting edges on both ends of the blade, removing an equal amount of material from each end.

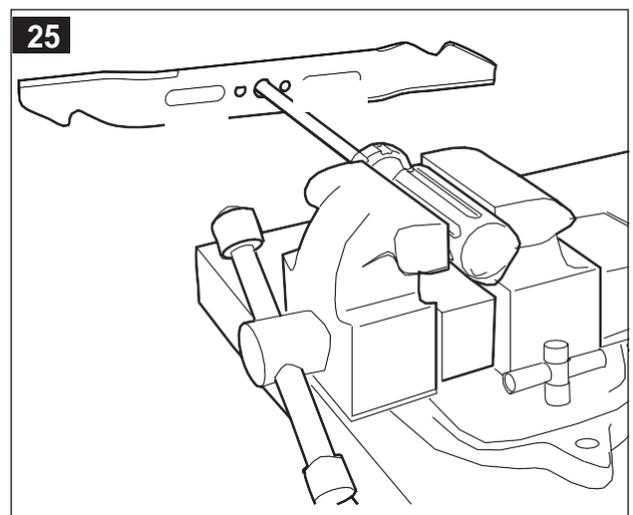
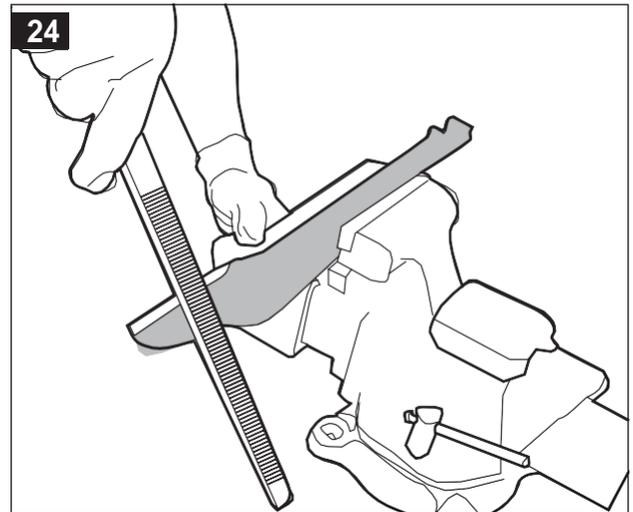
### TO SHARPEN BLADE IN A VISE:

1. Remove the blade from the mower (please see REMOVING THE BLADE.)
2. Secure the blade in a vise (Fig. 24.)
3. Wear proper eye protection and gloves and be careful not to cut yourself.
4. Carefully file the cutting edges of the blade with a fine tooth file or sharpening stone, maintaining the original cutting edge angle.
5. To check the blade balance: clamp a nail or a screw driver with a round shank in the horizontal position. Position the blade so that the nail or round shank of the screwdriver supports the blade through its center hole. Balance

the blade horizontally. If either end of the blade rotates downward, remove some metal from the heavy or lower end until the blade is balanced. It is balanced when neither end drops (Fig. 25).

6. Replace the blade on the mower and tighten it securely (please see INSTALLING THE BLADE).

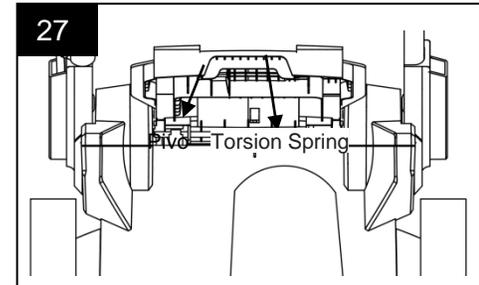
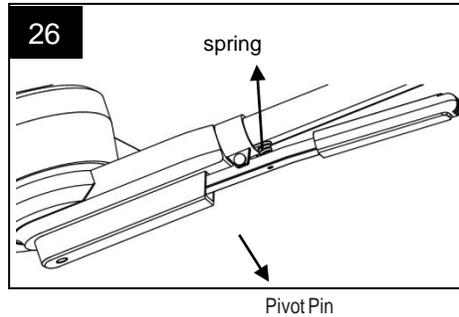
**⚠ WARNING:** An unbalanced blade will cause excessive vibration when rotating at high speeds. It may cause damage to the mower and could break, causing personal injury.



## LUBRICATION

Lubricate with light oil as directed below at least once each season after the battery pack is removed.

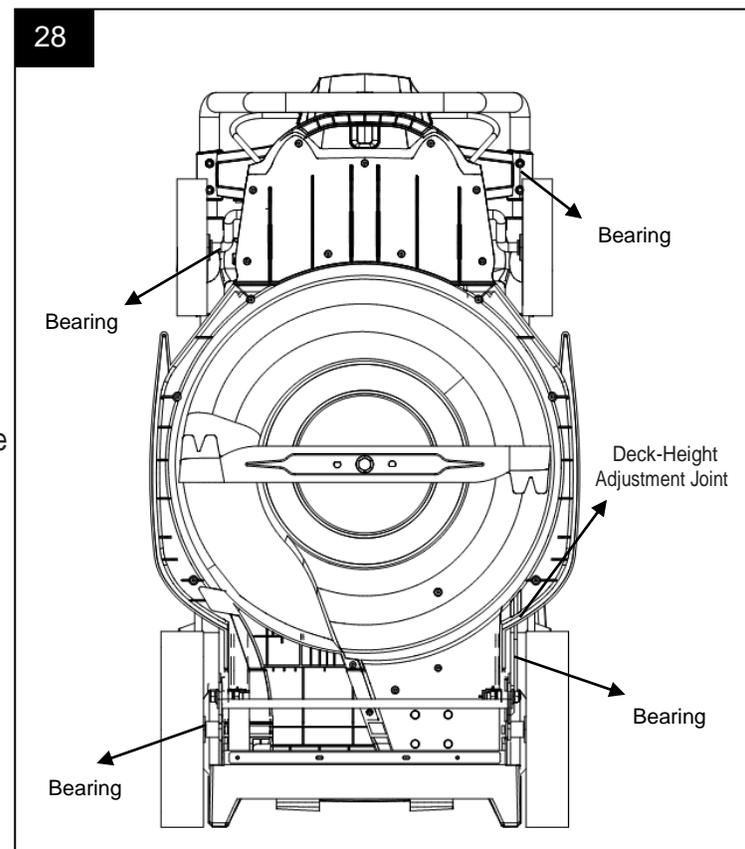
- Periodically lubricate the spring and pivot pin in the quick-adjust lever, the torsion spring and pivot of the rear-discharge door with light oil to prevent rust (Fig. 26 & 27).



- Place the mower into the locked storage position:

1. Move the cutting-height adjustment lever toward the front and engage it in the lowest setting (setting 1).
2. Open the handle-locking clamps and fully recess the side rails to the compact position.
3. Press and hold the quick-adjust lever with your right hand to release the handle.
4. Gently pivot the handle toward the front of the mower; release the quick-adjust lever and continue to pivot the handle until you hear and feel the lock pin engage in the locked storage position.

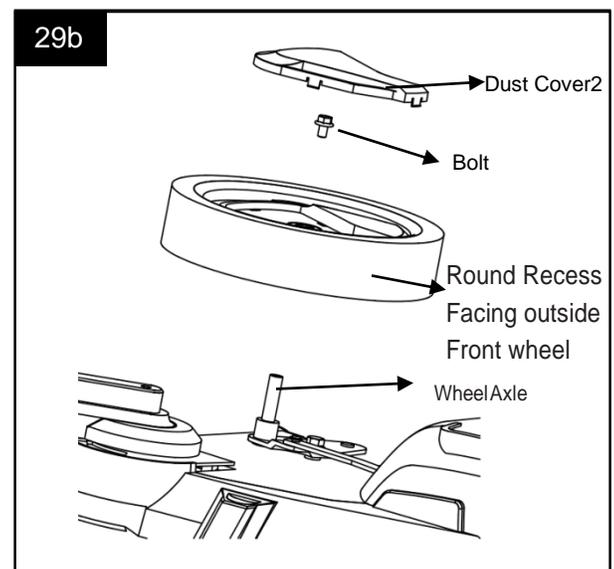
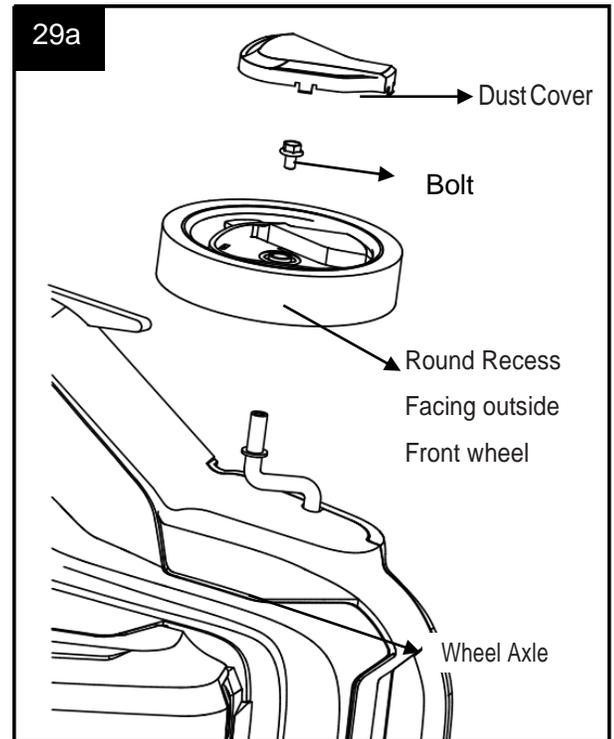
- Place the folded mower upright on the ground (Fig. 28).
- Lubricate the deck-height adjustment joint.
- For A40GC20B01, lubricate the bearings in both the rear and front wheels (Fig. 28).



## REPLACING THE WHEELS (Fig. 29a & 29b )

**⚠ WARNING:** Always remove the battery pack when servicing or transporting the mower.

1. Turn the mower over on its side and lean the upper surface against the wall
2. Use a flat-edged screwdriver to pry the dust cover off the wheels.
3. Use an adjustable or 1/2 inch (13 mm) wrench to turn the bolt counterclockwise to loosen it.
4. Remove bolts and worn wheels from axle
5. Install the new wheels on the axle and tighten the wheels clockwise with bolts.
7. Install the dust cover on the wheel and press it into position.



## STORING THE MOWER

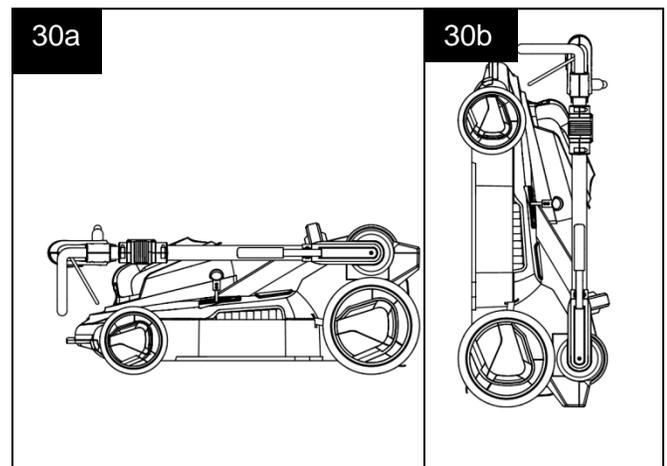
The following steps should be taken in order to prepare the lawn mower for storage.

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. Lubricate the mower.
5. Store the mower in a dry, clean location. Do not store it next to corrosive materials, such as fertilizer or rock salt.
6. Store the mower in a covered, enclosed space, that is cool and dry and out of the reach of children.
7. 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 assembly can be folded away completely for storage:

1. Remove the grass bag.
2. Move the cutting-height adjustment lever toward the front and engage it in the lowest setting (setting 1).
3. Open the handle-locking clamps and fully recess the side rails to the compact position.
4. Press and hold the quick-adjust lever with your right hand to release the handle. Gently pivot the handle toward the front of the mower; release the quick-adjust lever and continue to pivot the handle until you hear and feel the lock pin engage in the locked storage position.
5. Store the mower flat or upright (Fig. 30a & Fig. 30b).

**⚠ 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.



# TROUBLESHOOTING

**⚠ WARNING:** Always remove the 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.</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.  Allow the battery pack to cool until the temperature drops below 131°F (55°C). Allow the controller to cool until the temperature drops below 167°F (75°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.</li> <li>■ 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>■ Move the deck height to a higher setting.</li> <li>■ Reassemble the blade, following the section “INSTALLING THE BLADE” in this manual.</li> </ul>

<p>The mower stops while mowing</p>	<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.</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 131°F (55°C). Allow the controller to cool until the temperature drops below 167°F (75°C).</li> <li>■ Unlock the clamps. Fully extend the side rails and lock the clamps again.</li> </ul>
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<b>Problem</b>	<b>Cause</b>	<b>Solution</b>
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>
There is excessive vibration	<ul style="list-style-type: none"> <li>■ The cutting blade is loose.</li> <li>■ The cutting blade is unbalanced.</li> <li>■ The cutting blade is bent.</li> <li>■ The motor shaft is bent.</li> </ul>	<ul style="list-style-type: none"> <li>■ Tighten the blade bolt.</li> <li>■ Balance the blade following the instructions.</li> <li>■ Replace the blade.</li> <li>■ Contact the service center.</li> </ul>
The handle-locking clamps cannot be closed in position	<ul style="list-style-type: none"> <li>■ The side rails are not fully extended.</li> </ul>	<ul style="list-style-type: none"> <li>■ Fully extend the side rails, then lock the clamps.</li> </ul>
Mower is difficult to pull back when the self propel is turned off.	<ul style="list-style-type: none"> <li>■ The wheels are temporarily locked.</li> </ul>	<ul style="list-style-type: none"> <li>■ Simply push ahead slightly and then move the mower as desired.</li> </ul>
The motor works but the blade doesn't cut the grass.	<ul style="list-style-type: none"> <li>■ The blade is not tightened to the required torque.</li> </ul>	<ul style="list-style-type: none"> <li>■ Re-tighten the blade. The recommended torque for the blade bolt is 36-43 ft-lb (49-59Nm)</li> </ul>
Short running time of the mower with included battery	<ul style="list-style-type: none"> <li>■ Grass conditions and cutting height setting will greatly affect the battery run time. The claimed run time is based on a light load condition.</li> </ul>	<ul style="list-style-type: none"> <li>■ Raise the blade height and slow your pace to reduce the cutting load</li> </ul>

# WARRANTY

## HENX WARRANTY POLICY

2 year limited warranty on HENX outdoor power equipment and 2 year limited warranty on HENX battery packs and chargers.

Please contact HENX Customer Service at (866) 678-8989 any time you have questions or warranty claims.

## LIMITED SERVICE WARRANTY

FOR TWO YEARS from the date of original retail purchase, this HENX product is warranted against defects in material or workmanship. Defective product will receive free repair.

FOR TWO YEARS from the date of original retail purchase, the HENX battery pack and charger are warranted against defects in material or workmanship. Defective product will receive free repair.

This warranty does not cover the blade, which is a part that can wear out from normal use within the warranty period.

- This warranty applies only to the original purchaser from an authorized HENX retailer and may not be transferred. Authorized Henx retailers are identified online at [www.HenxPower.com](http://www.HenxPower.com)
- The warranty for any Henx product or part used for industrial, professional or commercial purpose is ONE year.
- This warranty is void if the product has been used for rental purpose.
- This warranty does not cover the damage resulting from modification, alteration or unauthorized repair.
- This warranty only covers defects arising under normal usage and does not cover any malfunction, failure or defect resulting from misuse, abuse (including overloading of the product beyond capacity and immersion in water or other liquid), accidents, neglect or lack of proper installation, and improper maintenance or storage.
- This warranty does not cover normal deterioration of the exterior finish, including but not limited to scratches, dents, paint chips, or to any corrosion or discoloring by heat, abrasive and chemical cleaners.

## HOW TO OBTAIN SERVICE

For warranty service, please contact HENX customer service at (866) 678-8989. When requesting warranty service, you must present the original dated sales receipt. An authorized service center will be selected to repair the product according to the stated warranty terms.

## ADDITIONAL LIMITATIONS

To the extent permitted by applicable law, all implied warranties, including warranties of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE, are disclaimed. Any implied warranties, including warranties of merchantability or fitness for a particular purpose, that cannot be disclaimed under state law are limited to five years from the date of purchase for outdoor power equipment and three years from date of purchase for battery pack and charger.

Chervon North America is not responsible for direct, indirect, incidental or consequential damages.

Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. For customer service contact us at: (866) 678-8989. or [WWW.HENXPOWER.COM](http://WWW.HENXPOWER.COM) HENX customer service.

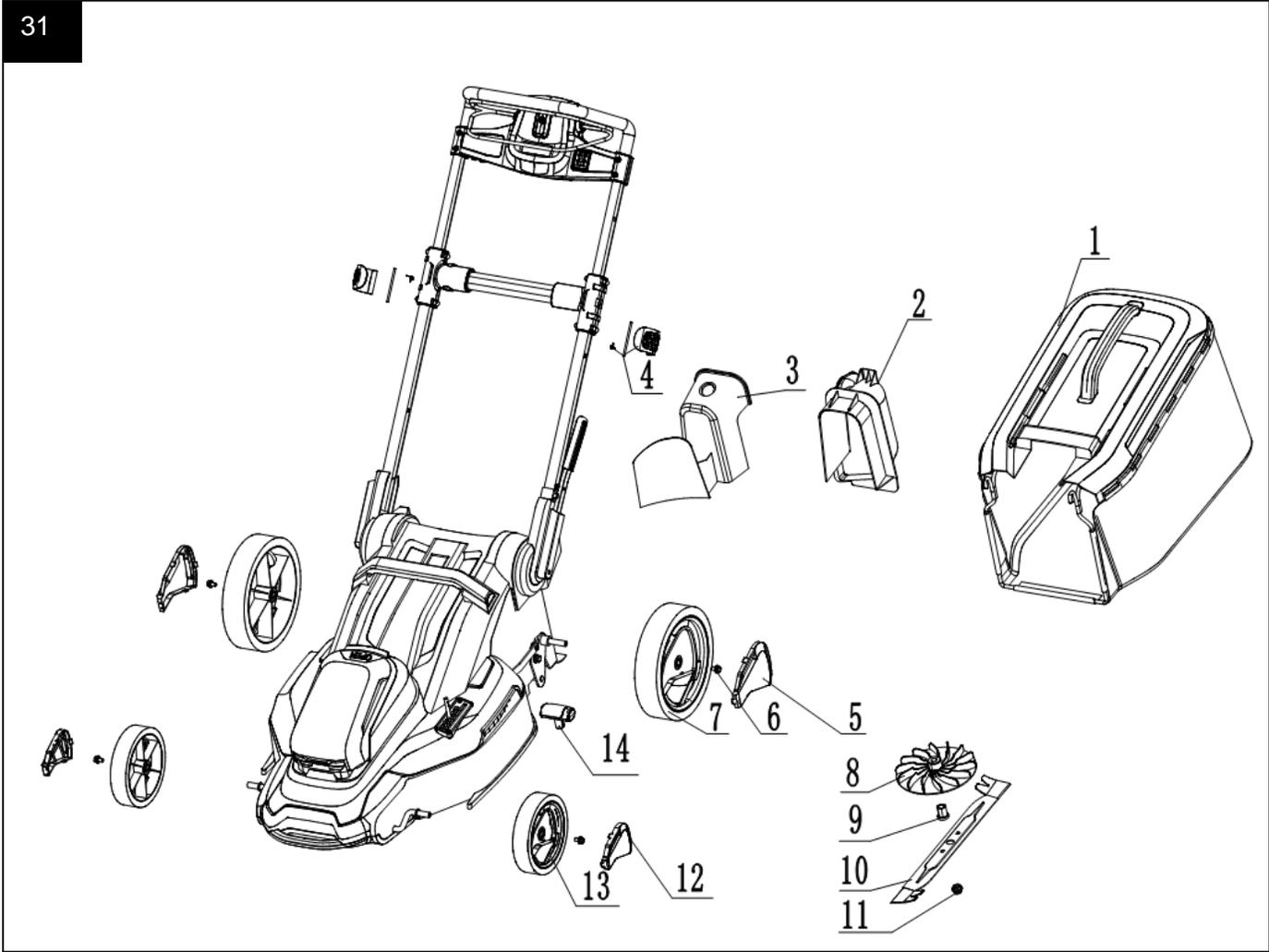
# PARTS LIST

## 40V LITHIUM-ION CORDLESS LAWN MOWER MODEL NUMBER

The Model Number will be found on the Nameplate attached to the rear-discharge door of the lawn mower. Always mention the Model Number when ordering parts for this tool.

### EXPLODED DRAWING

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## PARTS LIST

No.	Part Name	Quantity
1	Grass Bag	1
2	Side Discharge Chute	1
3	Mulching Insert	1
4	Rear Hubcap	2
5	Tapping Screw	2
6	Hexagon Flange Bolt	4
7	Rear Wheel Assembly	2
8	Fan	1
9	Inner Flange	1
10	Blade	1
11	Flange Bolt	1
12	Front Hubcap	2
13	Front Wheel Assembly	2
14	Height-Adjusting Lever	1