

# BENCHMARK<sup>TM</sup> MC

## 19" 40V MAX BRUSHLESS LAWN MOWER



LIMITED  
**5** YEAR\*  
WARRANTY

Includes 2 (4Ah) batteries & 1 dual charger  
5 Year Limited Warranty on tool  
3 Year Limited Warranty on battery and charger

**SGS**  
c us  
GY225805

**READ ALL INSTRUCTIONS BEFORE FIRST USE.  
KEEP THIS MANUAL FOR FUTURE REFERENCE.  
KEEP AWAY FROM CHILDREN.**

Uses two 20V Max lithium-ion batteries that deliver an initial battery voltage (measured without a workload) of 40 volts. Nominal voltage is 36V.



**WEAR CSA APPROVED  
EYE PROTECTION**



**WEAR EAR  
PROTECTION**



**WEAR A  
FACE MASK**

## PRODUCT SPECIFICATIONS

### 40V BRUSHLESS LAWN MOWER

Voltage	40V (2 x 20V) No Load
No load	3000 RPM
Cutting width	17.3" (440 mm)
Deck width	19" (483 mm)
Cutting heights	6 positions from 1-1/5" - 3.15" (30-80 mm)
Grass Collection Capacity	50 L (13.2 gallons)
Weight	36.77 lbs (16.68 kg)

### BATTERY AND CHARGER

Battery voltage	2x20V 4 Ah Li-ion (Maximum charged battery voltage, measured without load, is 20V with a nominal value of 18V)
Dual charger	Charging time up to 120 minutes
Replacement battery	5350-012 (5Ah) 5350-049 (8Ah)
Replacement charger	5350-024 dual 2.4A charger (charge 2.0Ah to 5.0Ah) 5350-048 dual 4A charger (charge 2.0Ah to 8.0Ah) 5350-022 6A fast charger (charge 2.0Ah to 8.0Ah)
Replacement Blade	5112-602

### NEED ASSISTANCE?

Call us on our toll-free customer support line:  
1-866-349-8665 (Monday through Friday 9am – 5pm Eastern Standard Time)

- Technical questions
- Replacement parts
- Parts missing from package

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## GENERAL SAFETY WARNINGS

**⚠️ WARNING:** Before using this tool or any of its accessories, read this manual and follow all Safety Rules and Operating Instructions. The important precautions, safeguards and instructions appearing in this manual are not meant to cover all possible situations. It must be understood that common sense and caution are factors which cannot be built into the product.

### EYE, EAR & LUNG PROTECTION

ALWAYS WEAR EYE PROTECTION THAT CONFORMS WITH CSA REQUIREMENTS OR ANSI SAFETY STANDARD Z87.1

FLYING DEBRIS can cause permanent eye damage. Prescription eyeglasses ARE NOT a replacement for proper eye protection.



**⚠️ WARNING:** Non-compliant eyewear can cause serious injury if broken during the operation of a garden tool.

**⚠️ WARNING:** Use hearing protection, particularly during extended periods of operation of the tool, or if the operation is noisy.



WEAR A DUST MASK THAT IS DESIGNED TO BE USED WHEN OPERATING A GARDEN TOOL IN A DUSTY ENVIRONMENT.

**⚠️ WARNING:** Dust that is created by power sanding, sawing, grinding, drilling, and other construction activities may contain chemicals that are known to cause cancer, birth defects, or other genetic abnormalities. These chemicals include:

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

The level of risk from exposure to these chemicals varies, according to how often this type of work is performed. In order to reduce exposure to these chemicals, work in a well-ventilated area, and use approved safety equipment, such as a dust mask that is specifically designed to filter out microscopic particles.

### ELECTRICAL SAFETY



**⚠️ WARNING:** To avoid electrical hazards, fire hazards or damage to the tool, use proper circuit protection.



**⚠️ WARNING:** Ventilation openings in batteries and chargers must always be open to allow cooling air to circulate freely. Air vents that are blocked, restricted or covered may result in the battery or charger overheating. Overheating may lead to damage to the tool or cause a fire, resulting in possible serious injury.

## LAWN MOWER SAFETY

### SAFETY WARNINGS

1. This product is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the product by a person responsible for their safety.
2. Children should be supervised to ensure that they do not play with the product. Cleaning and user maintenance shall not be made by children without supervision.

### SPECIFIC SAFETY RULES FOR ELECTRICALLY POWERED LAWN MOWERS

1. Read the instructions carefully. Be familiar with the controls and the proper use of the product.
2. Never allow children or people unfamiliar with these instructions to use the product. Local regulations can restrict the age of the operator.
3. Never mow while people, especially children, or pets are nearby.
4. Keep in mind that the operator or user is responsible for accidents or hazards occurring to other people or their property.

### PREPARATION

1. While mowing, always wear substantial footwear and long trousers. Do not operate the product when barefoot or wearing open sandals. Avoid wearing clothing that is loose fitting or that has hanging cords or ties.
2. Thoroughly inspect the area where the product is to be used and remove all objects which can be thrown by the product.
3. Before using, always visually inspect to see that the cutting blade, cutting blade bolts and cutting blade assembly are not worn or damaged. Replace worn or damaged cutting blades and bolts in sets to preserve balance. Replace damaged or unreadable labels.
4. **CAUTION!** Do not touch a rotating cutting blade.

### OPERATION

1. Operate the product in daylight or in good artificial light.
2. Avoid operating the product in wet grass, where feasible.
3. Always be sure of your footing on slopes.
4. Walk, never run.
5. Mow across the face of slopes, never up and down.
6. Exercise extreme caution when changing direction on slopes.
7. Do not mow excessively steep slopes.
8. Use extreme caution when reversing or pulling the product towards you.


9. Stop the cutting blade(s) if the product has to be tilted for transportation when crossing surfaces other than grass, and when transporting the product to and from the area to be mowed.
10. Never operate the product with defective guards, or without safety devices, for example deflectors and/or grass catchers, in place.
11. Start the product or switch on the product carefully according to instructions and with feet well away from the cutting blade(s).
12. Do not tilt the product when switching on the motor, except if the product has to be tilted for starting. In this case, do not tilt it more than absolutely necessary and lift only the part, which is away from the operator.
13. Do not put hands or feet near or under rotating parts.  
Keep clear of the discharge opening at all times.
14. Never pick up or carry a product while the safety key is inserted.
15. Stop the lawn mower and remove the safety key and batteries. Make sure that all moving parts have come to a complete stop:
  - whenever you leave the product
  - before clearing out grass
  - before checking, cleaning or working on the product
  - after striking a foreign object, inspect the machine for damage and make repairs before restarting and operating the product
16. If the product starts to vibrate abnormally (check immediately)
  - inspect for damage
  - replace or repair any damaged parts
  - check for and tighten any loose parts

## **MAINTENANCE AND STORAGE**

1. Keep all nuts, bolts and screws tight to be sure the product is in safe working condition.
2. Check the grass bag frequently for wear or deterioration.
3. Be careful during adjustment of the product to prevent entrapment of the fingers between moving blades and fixed parts of the product.
4. Allow the product to cool before storing in any enclosure.
5. When servicing the blades be aware that, even though the power source is switched off, the blades can still be moved.
6. Replace worn or damaged parts for safety. Use only genuine replacement parts and accessories.
7. Wear strong work gloves when removing and re-assembling the cutting blade.

## BATTERY PACK & CHARGER SAFETY

### BATTERY SAFETY INSTRUCTIONS

 **WARNING:** Only use the charger supplied with this kit to charge the 20V Li-ion batteries for this tool. Charging any other batteries may damage the charger and possibly cause serious injury.

1. 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. Incorrect use may result in electric shock, overheating or leakage of corrosive liquid from the battery.
2. Use the lawn mower only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
3. Be aware of possible hazards when not using your battery tool or when changing accessories. To reduce risk, remove the safety key and battery packs from the machine while not in operation. This will reduce the risk of electric shock, fire or serious personal injury.
4. Do not place appliances or their batteries near fire or heat. Continuous intense sunlight, fire or other heat sources may cause an increased danger of explosion.
5. Do not crush, drop or damage the battery pack. Do not use a battery pack or charger that has been dropped or received a sharp blow. A damaged battery is subject to explosion. Properly dispose of a dropped or damaged battery immediately.
6. Batteries can explode in the presence of a source of ignition, such as a pilot light. To reduce the risk of serious personal injury, never use any cordless product in the presence of an open flame. An exploded battery can propel debris and chemicals. If exposed, flush with water immediately.
7. Do not charge battery in a damp or wet location. Following this rule will reduce the risk of electric shock.
8. Longer life and better performance can be obtained if the battery pack is charged when the air temperature is between 75°F / 24°C and 64°F / 18°C. Do not charge the battery pack in air temperature below 41°F / 5°C or above 105°F / 40.5°C. This is important as it can prevent serious damage to the battery pack.
9. Under extreme usage or temperature conditions, battery leakage may occur. If liquid comes in contact with your skin, wash immediately with soap and water. If liquid gets into your eyes, flush them with clean water for at least 10 minutes, then seek immediate medical attention.
10. 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 sparks, burns, or a fire.


11. Do not disassemble the battery and avoid mechanical damage to the battery. Risk of short circuit and fumes may be emitted. Ensure fresh air and seek medical assistance in the event of discomfort.
12. Always remove battery pack from your tool when you are assembling parts, making adjustments, cleaning, or when not in use. Removing battery pack will prevent accidental starting that could cause serious personal injury.
13. Always remove battery pack before storing the device. When battery becomes fully charged, unplug the charger from the power supply and remove the battery pack from the charger.
14. Keep battery pack dry, clean, and free from oil and grease. Always use a dry cloth when cleaning. Never use brake fluids, gasoline, petroleum-based products, or any solvents to clean battery pack.
15. Keep the battery pack out of the reach of children.

### **CHARGER SAFETY INSTRUCTIONS**

1. The plug of the charger must match the outlet. Never modify the plug in any way. Unmodified plugs and matching outlets will reduce the risk of electric shock.
2. Ensure the battery pack is charged indoors only, in a dry, cool and well ventilated environment.
3. Do not subject the battery to sunlight over long periods and do not leave it near a heat source. Heat damages the battery and there is a risk of explosion.
4. Allow a hot battery to cool before charging.
5. Do not use non-rechargeable batteries!
6. Do not attempt to charge battery packs other than those supplied. The charger and battery pack supplied with it are specifically designed to work together.
7. Before each use, check the charger, cable, and plug. Do not use a defective charger and do not disassemble the charger. Incorrect reassembly may result in the risk of fire, electric shock, or electrocution.
8. Protect the charger against moisture and wet conditions. There is a danger of electric shock.
9. Operate the charger only with the original batteries. Charging other batteries may result in injuries and risk of fire.
10. Avoid mechanical damage to the charger. This can result in internal short circuits.
11. Do not operate the charger on easily inflammable surfaces (e.g. paper, textiles, etc.). The heating of the battery charger during the charging process could pose a fire hazard.
12. Do not abuse the cord of the charger. Never use the cord for carrying, pulling or unplugging the charger.
13. Keep the cord away from heat, oil, sharp edges or moving parts.
14. Damaged or entangled cords increase the risk of electric shock.

15. Do not operate the charger with a damaged cord or plug, which could cause a short circuit and electric shock. If damaged, immediately discontinue use. Replace the charger with the identical unit as listed in the Product Specifications in this manual. If the power cord for this equipment is damaged, it must be replaced by the manufacturer, a customer service agent of the same or qualified person to prevent hazards.
16. Do not use a charger that has been dropped or received a sharp blow.
17. The voltage indicated on the charger rating plate must correspond to the voltage of the power source.
18. Never touch the charger or charger plug with wet hands.
19. The lawn mower battery is not fully charged at the time of delivery. It therefore needs to be fully recharged before you use it for the first time. For the first recharge cycle, charge the battery pack fully.
20. It is good practice to unplug the charger and remove the lithium-ion battery pack when not in use.
21. This charger is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the charger by a person responsible for their safety.
22. Children should be supervised to ensure that they do not play with the charger.

## RECYCLING AND DISPOSAL

 **WARNING:** Do not dispose of batteries/rechargeable batteries into household waste!

## BATTERY PACK RECYCLING















To preserve our natural resources, please recycle or dispose of batteries properly.

The batteries charged by this charger may contain chemicals and metals that are harmful to the environment. Never dispose of rechargeable batteries in your normal household garbage or in landfill sites as they will add to the pollution of the environment.






## SAFETY SYMBOLS










**⚠️ WARNING:** Please read all of the safety and operating instructions carefully before using this lawn mower. Please pay particular attention to all sections of this User Guide that carry warning symbols and notices. Some of the following symbols may be used on this tool.

V	Volts
A	Ampere
Hz	Hertz
W	Watts
kW	Kilowatts
L	Litres
kg	Kilograms
mA	Milliampere
mAh	Milliampere-hour
min <sup>-1</sup>	Per minute
mm	Millimetre
m/s <sup>2</sup>	Metres per second squared
	Only use the battery charger indoors.

	Direct current
 or a.c.	Alternating current
	No load speed
	Double insulation
	Diameter
	Directional arrow
	Polarity
	With fuse (xx °C)
	Lock / to tighten or secure
	Unlock / to loosen
dB(A)	Decibel (A-rated)
S	Seconds
	Recycle electrical waste products in an environmentally safe way where facilities exist.

	Warning! Danger.
	Read the operator's manual
	WARNING! Beware of electric shocks.
	Wear hearing protection.
	Wear CSA Approved Eye Protection.
	Wear a face mask.
	Wear protective helmet and eye protection.
	Wear protective gloves.
	Wear protective footwear.
	Switch the product off and remove the battery pack to disconnect from the power supply before assembly, cleaning, adjustments, maintenance, storage and transportation.
	Do not expose the product to rain or wet conditions.
	Mow across the face of slopes, never up and down.
	Protection class II (Double insulation)

	<p>Inspect the area where the product is to be used and remove all objects which can be thrown by the product.</p> <p>If objects are hidden while operating stop the product and remove the object.</p>
	<p>Keep hands and feet away from sharp rotating parts – danger of injury! When cleaning, repairing, or inspecting, make certain the cutting device and all mowing parts have stopped.</p>
	<p>Cutting device continues to rotate after the product is switched off. Wait until all machine components have completely stopped before touching the product.</p>
	<p>Objects thrown by the product could hit the user or other bystanders. Always ensure that other people and pets remain at a safe distance from the product when it is in operation. In general, children must not come near the area where the product is.</p>
	<p>Guaranteed sound power level value in 96 dB</p>

	<p>Beware of sharp blades. Blades continue to rotate after the motor is switched off - Remove disabling device before maintenance.</p>		<p>Remove plug from the power source immediately if the power cord is damaged or cut.</p>
	<p>GO – grass bag ready for grass collection STOP - grass bag full, empty it</p>		<p>Crossed out garbage can. Batteries and battery packs should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or local store for recycling advice.</p>
	<p>Batteries contain Lithium-ion. Do not dispose of batteries in household waste.</p>		<p>Do not dispose of battery packs in rivers or immerse in water.</p>
	<p>Do not dispose of battery packs in fire. They will explode or leak and cause injury.</p>		<p>Do not expose battery packs to heat in excess of 45°C.</p>
	<p>Approx. charging time</p>		



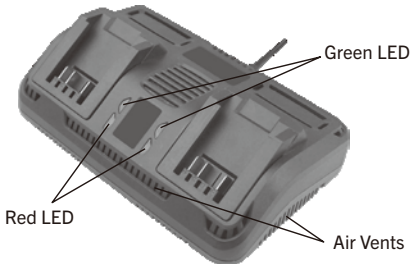
This symbol designates that this tool is listed with Canadian and U.S. requirements by cSGSus Testing Laboratories, Inc.

- UL 62841-1
- CAN/CSA-C22.2 No.62841-1-15
- UL 62841-4-3
- CSA C222 No.62841-4-3

# KNOW YOUR 40V BRUSHLESS LAWN MOWER



Dual Charger 5350-024



Replacement  
5Ah battery 5350-012



## ASSEMBLY

### UNPACKING

1. Unpack all parts and lay them on a flat, stable surface.
2. Remove all packing materials and shipping devices if applicable.
3. Make sure the contents are complete and free of any damage. If you find that parts are missing or show damage do not use the lawn mower but contact Customer Service @ 1-866-349-8665. Using an incomplete or damaged lawn mower represents a hazard to people and property.
4. Ensure that you have all the accessories and tools needed for assembly and operation. This also includes suitable personal protective equipment.

**⚠ WARNING:** The product must be fully assembled before operation! Do not use a product that is only partly assembled or assembled with damaged parts!

Follow the assembly instructions step-by-step and use the pictures provided as a visual guide to easily assemble the product!

**🔌** Do not connect the product to battery power before it is completely assembled!

**NOTE:** Take care of small parts that are removed during assembly or when making adjustments. Keep them secure to avoid loss.

### LOWER HANDLE BAR

1. Align the mounting hole of the lower handle bar with the bolt of handle support (Fig. 1).
2. Attach the washer to the bolt and secure the lower handle bar by turning the lever (1) up for tightening.
3. Make sure that the control cord runs up the upper side of the lower handlebar (right).



**FIG. 1**

**UPPER HANDLE BAR**

1. Align the upper handlebar to the lower handlebar and ensure the foam handle is pointed up when viewed from behind.
2. Pass the bolts through the mounting holes of handles (Fig. 2).
3. Attach the washer to the bolt and secure the upper handlebar by turning the lever up for tightening (Fig. 2).
4. Secure the control cord with the two clips provided (Fig. 3).



FIG. 2



FIG. 3

**GRASS BAG/MULCHING OPTION**

1. Align and insert the carry handle into the slots of top frame of grass bag until both ends "click" into place (Fig. 4).
2. The grass bag is ready for use.
3. If you choose the mulcher function, then ensure the mulching plate is inserted over the grass chute, do not install the grass bag. Remove the mulching plate to use the grass bag.

**⚠ WARNING: Do not attempt to use the product without either the grass bag attached or the mulching plate installed - danger of flying objects!! The motor must be switched off and the blade must have stopped rotating before you remove the grass bag, or the mulching plate. The grass bag must be fully assembled with the top part, bottom part, and collection tongue all in position before first use.**

4. Open the deflector guard, hold it in position; Insert the grass bag (Fig.5).
5. Align and hook the grass bag into the attachment slots of rear discharge chute.



FIG. 4



FIG. 5

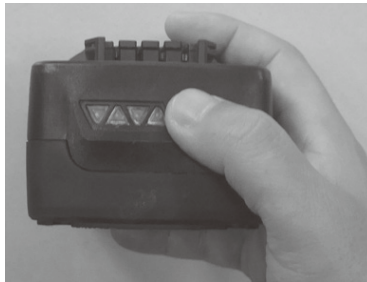
## CHECKING THE BATTERY CHARGE STATUS

The level of charge remaining in the battery can be checked by using the battery LED power indicator that is contained on the end of the battery.

**NOTE:** The battery charge remaining may be checked while the battery is installed in the tool with the ON/OFF switch turned OFF. It may also be checked while the battery is removed from the tool. DO NOT check the battery charge remaining while the battery is in the charger.

You will get a false reading and you may also damage the battery status system.

1. Press and hold the battery status button located on the end of the battery
2. One or more of the four LED lights in the LED window will come ON to indicate the amount of charge that is remaining in the battery as follows:



Charge level indicator					
Amount of charge remaining	0-10%	10-25%	25-50%	50-75%	75-100%

3. Release the battery status button to turn the LEDs OFF.

## ASSEMBLY AND OPERATING

### CHARGING THE BATTERY PACK

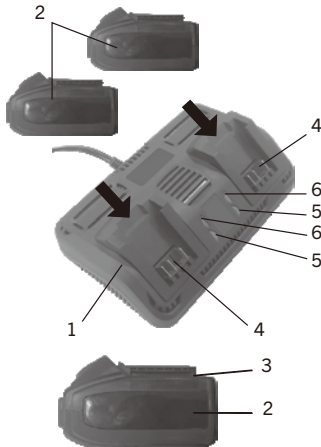
1. Place the battery charger (1) in a dry location near a 110–120V 60 Hz electrical outlet (Fig. 6).
2. Plug the battery charger into the outlet and make sure the green LED indicator light (5) comes ON. If it does not, refer to the chart (Fig. 7) to identify the problem.

3. Turn the battery (2) upside down and slide it onto the charger.

**NOTE:** Make sure the grooves (3) in the sides of the battery slide over the matching tabs on the charger (4) until the battery latch “clicks” into place.

**NOTES:**

1. When the charger is plugged into the wall receptacle and NO battery is on the charger, the green indicator light (5) will turn ON indicating the charger is “live”.
2. When a discharged battery is installed on the charger, the green indicator light will turn OFF and the red indicator light (6) will blink. The red indicator light indicates the battery is being charged.
3. If the red indicator light does not come ON, check to make sure battery pack is slid fully onto the charger and the electrical outlet is working properly.
4. See Fig. 7 below for other indicator light functions.
5. A discharged battery pack should be fully charged in approximately 120 minutes.
6. It is normal for the battery charger to hum and be warm to the touch during operation.
7. If the battery pack does not charge properly, check to make sure the electrical outlet is “live”.
8. Do NOT charge batteries when the work area or the battery temperature is at or below 5°C / 41°F or above 40.5°C / 105°F.



**FIG. 6**

GREEN LIGHT	RED LIGHT	BATTERY INSERTED INTO CHARGER	SYMBOL	CHARGING STATUS
ON	OFF	NO	NONE	CHARGER CONNECTED TO POWER SUPPLY
OFF	FLASHING	YES		BATTERY BEING CHARGED
ON	OFF	YES		BATTERY FULLY CHARGED
OFF	ON	YES		DEFECTIVE-BATTERY IS CHARGED BUT NOT OPERATIONAL ON TOOL
ON	ON	YES		CHARGING CONDITIONS ARE EITHER TOO HOT OR TOO COLD

**FIG. 7**

## OPERATION

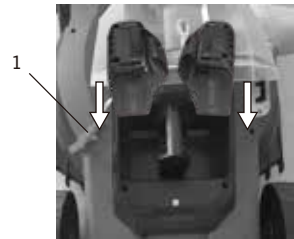
### INSTALLING THE BATTERY PACKS

1. Open the battery compartment cover.
2. Unplug the safety key (1) (Fig. 8).
3. Remove the discharged battery packs by pressing downward on the battery release button and sliding the battery pack backward until it is removed from the battery compartment (Fig. 8).
4. Slide the fully charged battery packs onto the matching taps in the battery compartment where the discharged battery packs have been removed.
5. Reinstall the safety key.
6. Close the battery compartment cover.

**⚠ WARNING:** Make sure the grooves in the sides of the battery slide over the matching tabs of the battery compartment. The battery release button will “click” into place when the battery is fully installed.

**⚠ WARNING:** Do not immerse the battery pack in water. Sudden cooling could cause a hot battery to explode or leak.

**NOTE:** Mower will only operate when both batteries are charged and installed.



**FIG. 8**

### CUTTING HEIGHT ADJUSTMENT

**⚠ WARNING:** Switch the product off and wait until the blade has come to a complete stop before adjusting the cutting height!



Remove the safety key before adjusting the cutting height!

Adjust the cutting height according to the needs of your lawn. The cutting height depends on the kind of lawn and its actual height. When mowing high grass, start with the maximum cutting height and make a second cut with a lower cutting height.

1. Press the lever towards the rear wheel (Fig. 9).
2. Move forward or backward to adjust the cutting height.
3. Release the lever and ensure it is engaged in the slot properly.

**⚠ WARNING:** Ensure that the lever engages in the slot after each adjustment.

**NOTE:** There are 6 cutting height levels available. The adjustable heights are 1-1/5" (30 mm) to 3.15" (80 mm).



FIG. 9

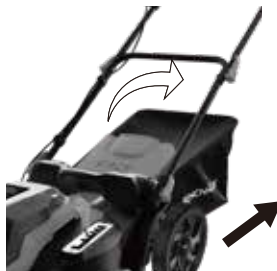


FIG. 10

## GRASS BAG

**⚠ WARNING:** Do not attempt to use the product without the grass bag attached when collecting grass - danger of flying objects!

**🔌** Switch the motor off and wait until the blade had come to a complete stop before removing the grass bag!

Attach the grass bag. Always carry the grass bag by its carry handle.

## EMPTYING THE GRASS BAG

Empty the grass bag frequently during use. Do not wait until it is completely full. We recommend emptying it when it is half full.

**NOTE:** A full grass bag will reduce the performance of this product.

1. Release the bail ensuring that the motor has stopped, and the blade has stopped rotating.
2. Lift the deflector guard and lift the grass bag off the hooks.
3. Remove the grass clippings from the rear discharge chute into the grass bag. Use a proper tool such as a brush (Fig. 10).
4. Remove the grass bag by its carry handle.
5. Empty the grass clippings onto a compost heap.
6. Re-fit the grass bag to the product.

**⚠ WARNING:** Never use your hands or feet to remove grass clippings from the rear discharge chute !

## GENERAL OPERATION

1. Check the product, its battery pack and charger as well as accessories for damage before each use. Do not use the product if it is damaged or shows wear.
2. Double check that accessories and blade are properly fixed.
3. Check the battery status. Recharge if necessary.
4. Always push the product by its handle. Keep the handle dry and free from lubricant to ensure safe support.
5. Switch the product off immediately if you are disturbed while working by other people entering the working area. Always let the product come to complete stop before leaving it unattended.
6. Do not overwork yourself. Take regular breaks to ensure you can concentrate on the work and have full control over the product.

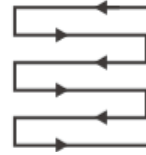
## STARTING/STOPPING

1. Insert batteries. **NOTE: lawn mower will NOT operate unless both batteries are installed.**
2. Plug the safety key into the slot fully.
3. Stand behind the starting lever.
4. While holding the safety lock-off button pressed, pull the bail towards the handle.
5. After the mower starts, release the safety lock-off button.
6. Release the bail to stop the mower.

## MOWING

1. Make sure that the lawn is clear of stones, sticks, wire or other objects that could damage the product or its product.
2. Do not cut wet grass because it tends to stick to the underbody of the mower, preventing the proper discharge of grass clippings, and it could also cause you to slip and fall.
3. Never cut off more than one-third of the total length of the grass for a healthy lawn. In the autumn, lawns should only be cut if there is growth.

4. Slowly push the mower forward.
5. Mow in slight overlapping rows. The most effective pattern for mowing lawns is straight lines along one of the sides. This will keep the rows even and ensures that all the lawn is cut without missing any spots.
6. Circle around flower beds. When reaching a flower bed in the middle of the lawn, cut a row or two around the circumference of the bed.
7. Pay special attention when changing direction.
8. Empty the grass bag regularly.



**WARNING:** If the mower strikes a foreign object stop immediately!




Let the mower cool down and thoroughly inspect the product for damage!  
Have any damage repaired before restarting!


### AFTER USE

1. Switch the mower off, disconnect the safety key, remove the battery packs and let them cool down.
2. Check, clean and store as described below.

## MAINTENANCE



 **WARNING:** Always switch the mower off, remove the battery packs and the safety key and let the mower cool down before performing inspection, maintenance and cleaning work!

1. Remove debris after each use and before storage.
2. Regular and proper cleaning will help ensure safe use and prolong the life of the mower.
3. Inspect the mower before each use for worn and damaged parts. Do not operate it if you find broken and worn parts.

 **WARNING:** Only perform repairs and maintenance work according to these instructions! All further works must be performed by a qualified specialist!

## GENERAL CLEANING

1. Clean the mower with a dry cloth. Use a brush for areas that are hard to reach.
2. Remove stubborn dust with compressed air (43 PSI).  
**NOTE:** Only perform repairs and maintenance work according to these instructions! All further works must be performed by a qualified specialist!
3. Check for any damage and wear. Repair damages in accordance with this instruction manual or take it to a service centre before using the product again.

  **WARNING:** Wear safety gloves when working on the blade and close to it! Use proper tools to remove debris, e.g., a wooden stick! Never use your bare hands!

Always use original spare parts for replacement. Do not attach any other type of blade! The replacement of the blade should be done by a qualified specialist!

1. Keep the underbody and blade clean and free of debris. Remove clippings from the rear discharge chute.
2. Check all fasteners, such as nuts and bolts, periodically for tightness before operation. After prolonged use, especially in sandy soil conditions, the blade will become worn and lose some of the original shape. The cutting efficiency will be reduced, and the blade should be replaced.
3. Keep the blade sharp to ensure a good cutting performance. Replace a worn or damaged blade with a new one of the same type or have it sharpened by a qualified specialist.
4. Loosen the hex bolt counter-clockwise using the supplied hex wrench and remove it together with the washer and the blade (Fig. 11).
5. Replace the blade with a new one of the same type. Check the status of the flange onto the blade holder, then attach the blade properly, and fix it with the washer and the hex bolt. Tighten the hex bolt clockwise and torque to 33-44 lb-ft. to ensure safe operation of your product.

**⚠ DANGER:** If the blade is not torqued properly, it could become loose and be thrown from the lawn mower and seriously hurt or kill the operator or bystanders.

**NOTE:** Replace this blade after 50 hours of mowing or 2 years whichever is sooner regardless of condition. If the blade is cracked or damaged, you must immediately replace it with a new one.

6. Lubricate the blade after each use to prolong the life span of blade and product. Apply light machine oil along the edge of the blade.

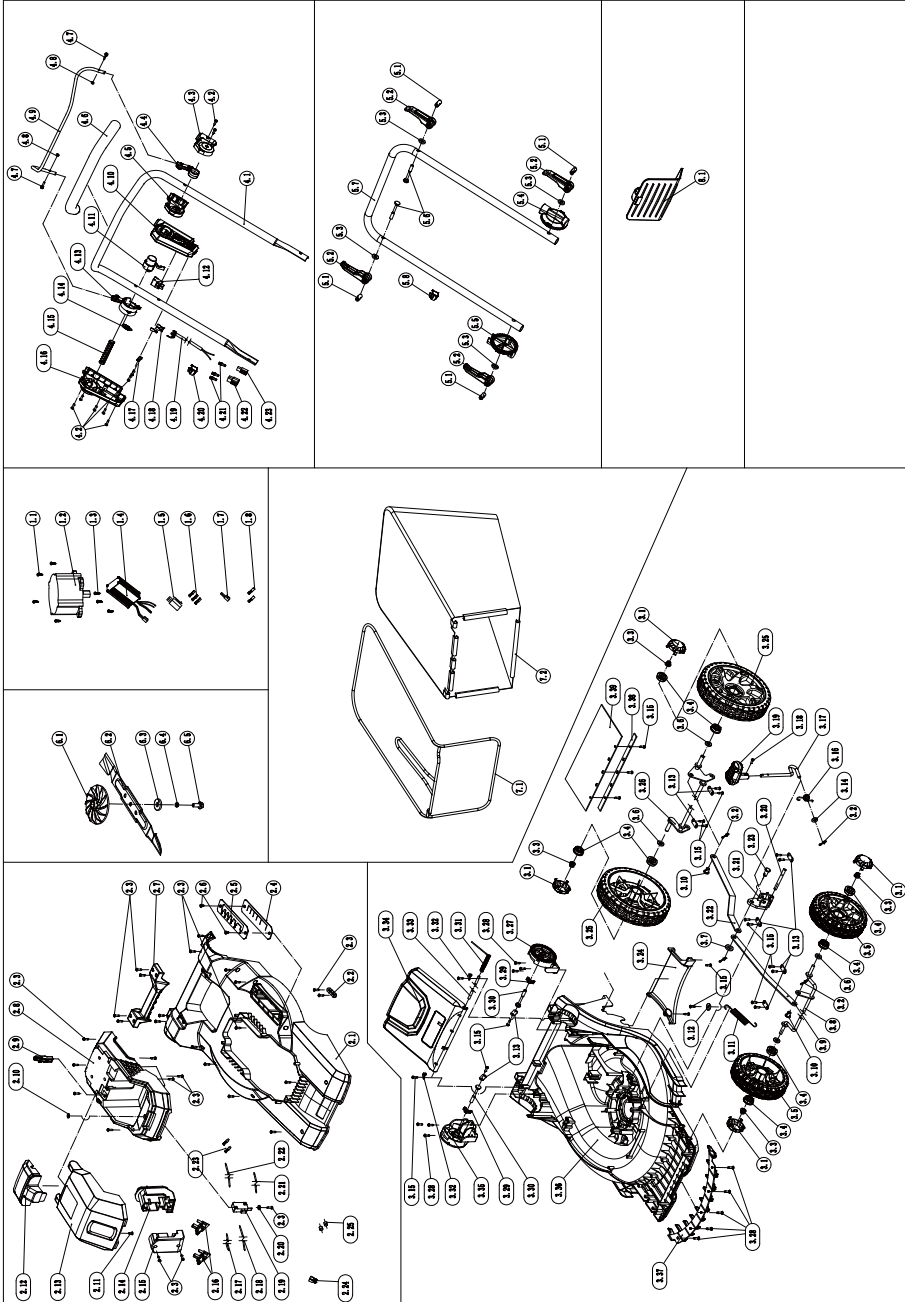


**FIG. 11**

### **GRASS BAG**

1. Inspect the grass bag before each use. Do not use it if damaged.
2. Clean the grass bag after operation using water and mild soap.
3. Let the grass bag dry thoroughly before storing to avoid mildew.

## EXPLODED VIEW



## PARTS LIST

**⚠ WARNING:** When servicing, use only original equipment replacement parts. The use of any other parts may create a safety hazard or cause damage to the brushless lawn mower.

Any attempt to repair or replace electrical parts on this lawn mower may create a safety hazard unless repairs are performed by a qualified technician. For more information, call the Toll-free Helpline, at 1-866-349-8665 Monday - Friday from 9am to 5pm Eastern Standard Time.

Always order by key number.

Key #	Part #	Part Name	Quantity
<b>Motor Assembly</b>			
1.1	33SBAQA006230101	Screw	4
1.2	3422580101004001	Brushless motor	1
1.3	33SBAQA004160101	Screw	3
1.4	3422580501092001	Controller	1
1.5	36040102	Double hole terminal sleeve	1
1.6	36010108	Female terminal	3
1.7	36040104	Single hole terminal sleeve	1
1.8	36010113	Female terminal	2
<b>Battery compartment Assembly</b>			
2.1	3122570101142001	Battery compartment base	1
2.2	3181000101053001	Pressing plate	1
2.3	33SBAQA004160101	Screw	28
2.4	3122580201030001	Washer	1
2.5	3222580101053001	Calibration panel	1
2.6	33SEADA004160101	Sunk screw	2
2.7	3122530101094001	Grip	1
2.8	3122540101069001	Cover	1
2.9	3122520101056001	Safety key	1
2.10	3222830101010001	Magnet	1
2.11	3222830201074001	Screw	2
2.12	3122540101053001	Plate	1
2.13	3122540201069001	Transparent cover	1
2.14	3100810101039001	Battery pack upper bracket	1

Key #	Part #	Part Name	Quantity
2.15	3100810201039001	Battery pack under bracket	1
2.16	3118920101049001	Inserting seat	2
2.17	3417820101027001	Internal wiring1	1
2.18	3422910101027001	Carbon brush line1	1
2.19	3422710101032001	Microswitch	1
2.20	392000101030001	Washer	1
2.21	3418830301027001	Internal wiring3	1
2.22	3419510501027001	Internal wiring5	1
2.23	36010112	Male terminal	2
2.24	36010101	6.3 inserting terminals	2
2.25	3422530101145001	Diode	2
<b>Chassis Assembly</b>			
3.1	3122550901069001	Wheel cover	4
3.2	3321500101138001	Cotter	4
3.3	33NHD0080101	Flange lock nut	4
3.4	3322580101020001	Bearing	8
3.5	3122580101031001	7" wheel	2
3.6	3322570101030001	Flat gasket	4
3.7	3360000201030001	Washer	1
3.8	3222575001020001	Front axle	1
3.9	3222580101057001	Front link	1
3.10	3252200201103001	Connecting rod buckle-2	2
3.11	3222570401060001	High tension spring	1
3.12	3390000401030001	Washer	1
3.13	3252200201053001	Axle pressing plate	8
3.14	3322530201030001	Washer	1
3.15	33SBAQA004160101	Screw	22
3.16	3252200401060001	Adjust lever knob spring	1
3.17	3252200501057001	Adjustment lever	1
3.18	33SJAQC005080101	Large flat head screw	1
3.19	3155000101094001	Heighten hand shank	1
3.20	3252200301020001	Adjusting rod rotation shaft	1
3.21	3152200101049001	Adjust lever block	1
3.22	3222575001057001	Back link	2

Key #	Part #	Part Name	Quantity
3.23	3252200101103001	Connecting rod buckle-1	1
3.24	3122570101053001	Baseplate	1
3.25	3122580201031001	9" wheel	2
3.26	3222580201020001	Rear axle shaft	1
3.27	3122570701049001	Left fixed seat	1
3.28	33SBAQA005200101	Screw	11
3.29	3252200401053001	Handrail retaining plate	2
3.30	3252200201074001	Square head bolt	2
3.31	3222570301060001	Back cover button spring	1
3.32	3252200301053001	L clamp	2
3.33	3252200201020001	Back cover shaft	1
3.34	3122570401069001	Back cover	1
3.35	3122570501049001	Right fixed seat	1
3.36	3122570101139001	Chassis	1
3.37	3222570201162001	The comb grass rake	1
3.38	3222540101150001	Fender lining	1
3.39	3122570201053001	Splash guard	1
<b>Steel Wire Handle Assembly</b>			
4.1	3222570401057001	Upper push rod	1
4.2	33SBAQA004160101	Screw	9
4.3	3122570101042001	Left auxiliary switch box	1
4.4	3122570201157001	Auxiliary trigger	1
4.5	3122570201042001	Right auxiliary switch box	1
4.6	3150000501023001	Sponge	1
4.7	33SBAQM004200101	3 in 1 screw	2
4.8	33NAB0040101	Hexagon nut	2
4.9	3222570101057001	Switch lever	1
4.10	3122570301042001	Left main switch box	1
4.11	3122570101058001	Switch unlock button	1
4.12	3422570101032001	Dual micro switch	1
4.13	3122570101157001	The main trigger	1
4.14	3222570101060001	Main trigger pull spring	1
4.15	3222570201060001	Unlock button spring	1
4.16	3122570401042001	Right main switch box	1
4.17	3181000101053001	Pressing plate	1

Key #	Part #	Part Name	Quantity
4.18	36010101	Female terminal	3
4.19	3422580101027001	Cable	1
4.20	3150000201103001	Line buckle	1
4.21	36010109	Male terminal	3
4.22	36040101	Double hole male terminal sleeve	1
4.23	36040103	Single hole male terminal sleeve	1
<b>Lower Push Rod Assembly</b>			
5.1	3252200101138001	Screw pin	4
5.2	3152200101098001	Quick release wrench	4
5.3	3352200301030001	Washer	4
5.4	3122580101072001	External adjustment block - left	1
5.5	3122580201072001	External adjustment block - right	1
5.6	3252200101074001	Square head bolt	2
5.7	3222570501057001	Down push rod	1
5.8	3150000201103001	Line buckle	1
<b>Lower Push Rod Assembly</b>			
6.1	3122580101049001	Blade holder	1
6.2	3222580101132001	Blade	1
6.3	3150000201103001	Washer	1
6.4	33WSB0100101	Spring washer	1
6.5	33SNDQC010250101	Hex flange non-slip bolt	1
<b>Grass Bag Assembly</b>			
7.1	3222580101039001	Grass framework	1
7.2	3522580101045001	Grass bag	1
<b>Grass Bag Assembly</b>			
8.1	3122570101072001	Mulching plate	1

## **WARRANTY**

### **BENCHMARK BRUSHLESS LAWN MOWER WARRANTY**

If this Benchmark tool fails due to a defect in material or workmanship within five years from the date of purchase, return it to any Home Hardware store with the original bill of sale for exchange. 3 years for the battery and the charger. This warranty does not include expendable parts including but not limited to blades, brushes, belts, light bulbs.

This warranty covers defects in material or workmanship only. It does not cover normal wear and tear, failure due to abuse/misuse, or defects caused by careless or accidental mishandling. If this Benchmark product is used for commercial or rental purposes, this warranty does not apply.

# 19" 40V MAX BRUSHLESS LAWN MOWER



Includes 2 batteries & 1 charger  
5 Year Limited Warranty on tool  
3 Year Limited Warranty on battery and charger

**BENCHMARK**<sup>TM</sup><sub>MC</sub>

**BENCHMARK TOOLS CANADA**

ST. JACOBS, ONTARIO N0B 2N0

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**CUSTOMER SERVICE/TECH SUPPORT**

1-866-349-8665

**5073-359**

Made in China



\* This Benchmark<sup>TM</sup> product carries a five (5) year LIMITED warranty against defects in workmanship and materials. The charger and batteries carry a three (3) year LIMITED warranty. See Owner's Manual for full details.



**READ ALL INSTRUCTIONS BEFORE FIRST USE.  
KEEP THIS MANUAL FOR FUTURE REFERENCE.  
KEEP AWAY FROM CHILDREN.**

Uses two 20V Max lithium-ion batteries that deliver an initial battery voltage (measured without a workload) of 40 volts. Nominal voltage is 36V.



**WEAR CSA APPROVED  
EYE PROTECTION**



**WEAR EAR  
PROTECTION**



**WEAR A  
FACE MASK**