



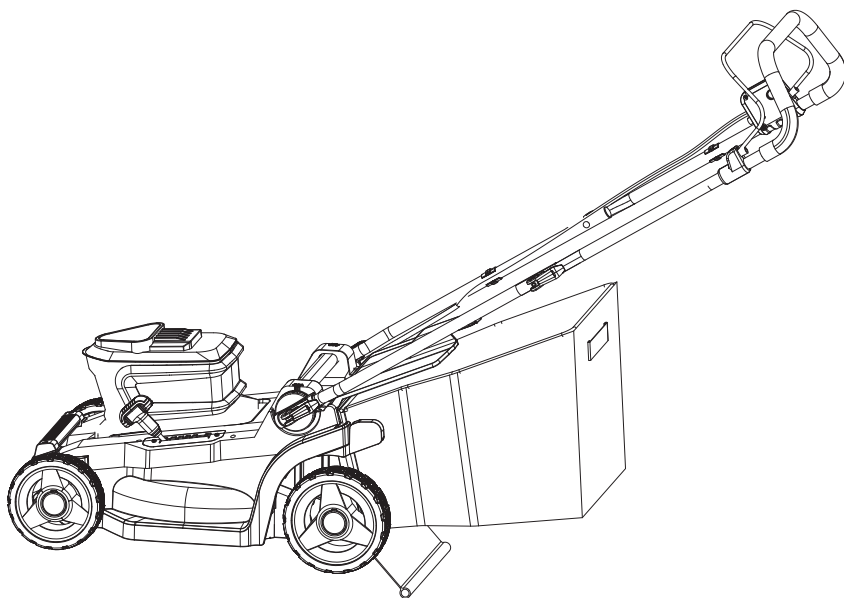
YARDWORKS^{®/MD}

43 cm (17") CORDLESS BRUSHLESS LAWN MOWER

model number 060-1960-4 | contact us 1.866.523.5218



Intertek
3025736



IMPORTANT:

Read and follow all safety rules and operating instructions before using this product.

**Instruction
Manual**



For problems or questions, **DO**
NOT RETURN TO STORE. Please
contact one of our Customer
Service Agents who will be
happy to assist you.

For customer assistance please call:



CANADA: 1.866.523.5218

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Please do not operate garden equipment near children. This could lead to severe injury or death.

INTRODUCTION

Congratulations on your purchase of your new Yardworks® tool. 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 our Yardworks® customer service line at 1.866.523.5218.

PLEASE READ AND RETAIN THIS INSTRUCTION MANUAL. These instructions will enable you to assemble and maintain your appliance properly. **ALWAYS** observe the “SAFETY RULES”.

The instruction manual was designed to conveniently help you get your purchase ready to use so there's less risk of damage and to provide you with enough information for you to get familiar with your product's controls and features so you can operate your product safely.

SAFETY FIRST



CAUTION: The operation of lawn equipment can result in foreign objects thrown into the eyes, which can result in SEVERE EYE INJURY. ALWAYS wear safety glasses or eye shields while operating your lawn equipment or performing any adjustments or repairs. We recommend standard safety glasses or a wide vision safety mask worn over spectacles.



Please read this manual carefully and make sure you understand the instructions before using the machine.

Model number: _____

Serial number: _____

Date of purchase (MM/DD/YYYY): _____

Notes: _____

READ ALL INSTRUCTIONS**PRODUCT SAFETY****Lawn mower Safety Warnings**

Save all warnings and instructions for future reference.

1) Work area safety

a) To avoid bystander contact with the moving blade or a thrown object injury, keep the area of operation clear of all bystanders, particularly small children. Stop the lawn mower and any attachment(s) if anyone enters the area. *Contact with the moving blade or thrown objects may result in serious personal injury or death.*

b) Only operate the lawn mower in daylight or good artificial light. *Dark areas invite accidents.*

c) Do not operate lawn mowers in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. *Lawn mowers create sparks which may ignite the dust or fumes.*

d) Do not use the lawn mower in bad weather conditions, especially when there is a risk of lightning. *This decreases the risk of being struck by lightning.*

e) Thoroughly inspect the area where the lawn mower is to be used and remove all stones, sticks, wires, bones, and other foreign objects. *Thrown objects can cause personal injury.*

2) Electrical safety

a) Do not operate the lawn mower in rain or wet conditions. *Water entering a lawn mower may increase the risk of electric shock.*

3) Personal safety

a) Use personal protective equipment. **Always wear eye protection.** *Protective equipment will reduce personal injuries.*

b) Dress properly. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts. *Loose clothes, jewellery or long hair can be caught in moving parts.*

c) While operating the lawn mower, always wear long trousers. *Exposed skin increases the likelihood of injury from thrown objects.*

d) While operating the lawn mower, always wear non-slip and protective footwear. Do not operate the lawn mower when barefoot or wearing open sandals. *This reduces the chance of injury to the feet from contact with the moving blade.*

e) Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/ or batteries, picking up or carrying the lawn mower. *Carrying a lawn mower with your finger on the switch or energising a lawn mower that has the switch on invites accidents.*

f) Remove any adjusting key or wrench before turning the lawn mower on. *A wrench or a key left attached to a rotating part of the lawn mower may result in personal injury.*

g) Keep proper footing and balance at all times. *This enables better control of the lawn mower in unexpected situations.*

h) Stay alert, watch what you are doing and use common sense when operating a lawn mower. Do not use a lawn mower while you are tired or



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

- under the influence of drugs, alcohol or medication. *A moment of inattention while operating a lawn mower may result in serious personal injury.*
- i) **Do not let familiarity gained from frequent use of lawn mower allow you to become complacent and ignore lawn mower safety principles.** *A careless action can cause severe injury within a fraction of a second.*
 - j) **To avoid operator blade contact or a thrown object injury, stay in the operator zone behind the lawn mower handles.** *Blade contact or thrown objects may result in serious personal injury.*
 - k) **Do not touch blades and other hazardous moving parts while they are still in motion.** *This reduces the risk of injury from moving parts.*
- 4) **Lawn mower use and care**
 - a) **Use the lawn mower and accessories in accordance with these instructions, taking into account the working conditions and the work to be performed.** *Use of the lawn mower for operations different from those intended may result in a hazardous situation.*
 - b) **Before using the lawn mower, always visually inspect to see that the blade(s) and the blade(s) assembly are properly secured and not worn or damaged.** *Loose, worn, or damaged parts may increase the risk of injury.*
 - c) **Keep guards and other safety devices in place, properly mounted, and in working order.** *A guard or other safety device that is loose, damaged, or is not functioning correctly may result in personal injury.*
 - d) **Keep all cooling air inlets clear of debris.** *Blocked air inlets and debris may result in overheating or risk of fire.*
 - e) **Do not use the lawn mower if the switch does not turn it on and off.** *Any lawn mower that cannot be controlled with the switch is dangerous and must be repaired.*
 - f) **Do not operate the lawn mower in wet grass. Walk, never run.** *This reduces the risk of slipping and falling which may result in personal injury.*
 - g) **Do not operate the lawn mower on excessively steep slopes.** *This reduces the risk of loss of control, slipping and falling which may result in personal injury.*
 - h) **Do not force the lawn mower. Use the correct lawn mower for your application.** *The correct lawn mower will do the job better and safer at the rate for which it was designed.*
 - i) **Be aware of the mower and attachment discharge direction and do not point the mower discharge at anyone.** *Thrown objects can cause personal injury.*
 - j) **Use extreme caution when reversing or pulling the lawn mower towards you. Always be aware of your surroundings.** *This reduces the risk of tripping during operation.*
 - k) **When working on slopes, always be sure of your footing, always work across the face of slopes, never up or down and exercise extreme caution when changing direction.** *This reduces the risk of loss of control, slipping and falling which may result in personal injury.*
 - l) **Operate the disabling device and/or remove all battery packs, if removable,**



WARNING: Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury. Save all warnings and instructions for future reference.

- from the lawn mower before making any adjustments, changing accessories, or storing the lawn mower. Such preventive safety measures reduce the risk of starting the lawn mower accidentally.
- m) **Keep handles and grasping surfaces dry, clean and free from oil and grease.** *Slippery handles and grasping surfaces do not allow for safe handling and control of the lawn mower in unexpected situations.*
- n) **Check the grass catcher frequently for wear or deterioration.** *A worn or damaged grass catcher may increase the risk of personal injury.*
- o) **Before removing the grass catcher, turn off the motor and wait until the blade(s) comes to a complete stop.** The cutting blade(s) continues to rotate after the blade control is released. Never place any part of the body in the blade(s) area until you are certain the motor is off and the blade(s) has stopped rotating. *Contact with the moving cutting blade(s) may result in serious personal injury.*
- p) **Before unclogging the chute, turn off the motor, wait until the blade(s) comes to a complete stop, operate the disabling device and/or remove all batteries, if removable.** The cutting blade(s) continues to rotate after the blade control is released. Never place any part of the body in the blade(s) area until you are certain the motor is off and the blade(s) has stopped rotating. *Contact with the moving cutting blade(s) may result in serious personal injury.*
- q) **Before cleaning or inspecting the lawn mower, turn off the motor, wait until the blade(s) comes to a complete stop, operate the disabling device and/or remove all batteries, if removable.** *Accidental contact with the moving blade and moving parts may result in personal injury.*
- r) **Maintain the lawn mower and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the lawn mower's operation.** If damaged, have the lawn mower repaired before use. *Many accidents are caused by poorly maintained lawn mowers.*
- s) **Store idle lawn mowers out of the reach of children and do not allow persons unfamiliar with the lawn mower or these instructions to operate the lawn mower.** *Lawn mowers are dangerous in the hands of untrained users.*
- 5) **Battery lawn mower use and care**
- a) **Use lawn mowers only with specifically designated battery packs.** *Use of any other battery packs may create a risk of injury and fire.*
- b) **Recharge only with the charger specified by the manufacturer.** A charger that is suitable for one type of battery pack(s) may create a risk of fire when used with another battery pack(s).
- c) **Follow all charging instructions and do not charge the battery pack(s) or lawn mower outside the temperature range specified in the instructions.** *Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.*
- d) **Do not use a battery pack or lawn mower that is damaged or modified.** *Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.*
- e) **Do not expose a battery pack(s) or lawn mower to fire or excessive temperature.** *Exposure to fire or*

temperature above 130 °C may cause explosion.

- f) **Under abusive conditions, liquid may be ejected from the battery(ies); avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery(ies) may cause irritation or burns.**
- g) **When battery packs are not in use, keep them 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.**
- 6) **Service**
- a) **Have your lawn mower serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the lawn mower is maintained. Use of parts which do not meet the original equipment specifications may lead to improper performance and compromise safety.**
- b) **Never service damaged battery packs. Service of battery packs should only be performed by the manufacturer or authorized service providers.**

FOR BATTERY PACK

- a) **Do not dismantle, open or shred cells or battery pack.**
- b) **Do not expose battery pack to heat or fire. Avoid storage in direct sunlight.**
- c) **Do not short-circuit a battery pack. Do not store battery packs haphazardly in a box or drawer where they may short-circuit each other or be short-circuited by conductive materials. 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.**
- d) **Do not subject battery pack to mechanical shock.**
- e) **In the event of battery leaking, do not allow the liquid to come into contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice.**
- f) **Do not use any battery pack which is not designed for use with the equipment.**
- g) **Keep battery pack out of the reach of children.**
- h) **Always purchase the battery pack recommended by the device manufacturer for the equipment.**
- i) **Keep battery pack clean and dry.**
- j) **Wipe the battery pack terminals with a clean, dry cloth if they become dirty.**
- k) **Battery pack needs to be charged before use. Always use the correct charger and refer to the manufacturer's instructions or equipment manual for proper charging instructions.**
- l) **Do not leave battery pack on prolonged charge when not in use.**
- m) **After extended periods of storage, it may be necessary to charge and discharge the battery pack several times to obtain maximum performance.**
- n) **Recharge only with the charger specified by Yardworks®. Do not use any charger other than that specifically provided for use with the equipment.**
- o) **Retain the original product literature for future reference.**
- p) **Use only the battery pack in the application for which it was intended.**

- q) Remove the battery from the equipment when not in use.
- r) Dispose of properly.
- s) Do not mix cells of different manufacture, capacity, size or type within a device.
- t) Keep the battery away from microwaves and high pressure.

SAVE THESE INSTRUCTIONS

Information for radiated emission

This device complies with Canadian ICES-001. This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference; and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.












However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.



WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Some of the following symbols may be used on this product. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the product effectively and safely.

Symbol	Designation/Explanation
	To reduce the risk of injury, user must read instruction manual
	WARNING – Beware of thrown objects – keep bystanders away
	WARNING – Keep hands and feet away from the blades
	WARNING – Disconnect battery before maintenance
	Safety alert
	DANGER – Keep hands and feet away
 Li-ion	Li-ion battery; battery must be recycled
	Do not burn
	Batteries may enter water cycle if disposed improperly, which can be hazardous for ecosystem. Do not dispose of waste batteries as unsorted municipal waste.
 call  recycle	YARDWORKS® CANADA has established a partnership with the RBRC Corporation to recycle any YARDWORKS® Canada batteries with the RBRC-call2recycle seal. For environmental protection, please do not discard batteries in the trash. After the battery's life cycle is ended, please call 1-800-822-8837 for a free service that will properly dispose of the battery.

SAVE THESE INSTRUCTIONS!

PRODUCT SPECIFICATIONS

Voltage	48 V \equiv
No load speed	3000 /min
Deck size	43 cm (17")
Cutting width	41 cm (16")
Cutting height range	3.8 – 9.4 cm (1 1/2 – 3 11/16")
Collection capacity	50 L (1.4 Bushels)
Cutting height positions	6 positions
Front wheel diameter	18 cm (7")
Rear wheel diameter	20 cm (8")
Protection degree	IPX4
Battery capacity (060-1988-0)	4.0 Ah
Charging input	120 V \sim , 60 Hz, 110 W
Charging output (060-1990-2)	48 V \equiv , 2 A
Charging time	2 hours
The normal temperature range for charging the battery	0°C to 40°C
Machine weight (with battery pack)	37 lb 11 oz (17.1 kg)

SUITABLE BATTERY PACKS

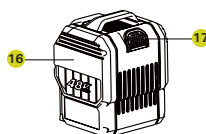
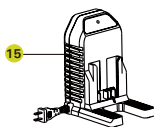
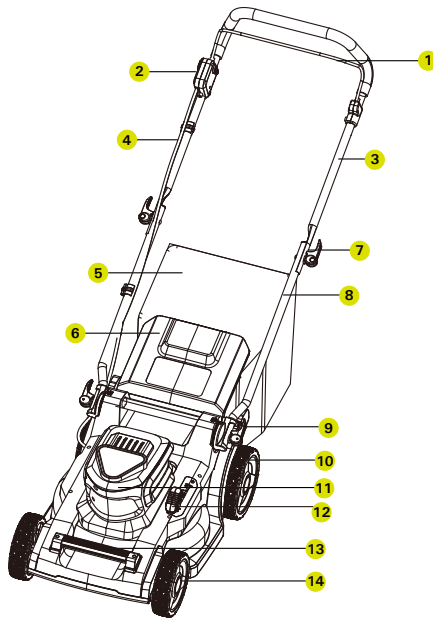
Item Number	060-1987-2	ABP4830SH1	060-1988-0	ABP4850SH	060-1989-8
Battery capacity	2.0 Ah	3.0 Ah	4.0 Ah	5.0 Ah	6.0 Ah
	Not included	Not included	Included	Not included	Not included

SUITABLE CHARGERS

Item number	060-1990-2	060-1992-8	060-1909-0
Charger input	120 V \sim , 60 Hz, 110 W	120 V \sim , 60 Hz, 320 W	120 V \sim , 60 Hz, 250 W
Charger output	48 V \equiv , 2 A	48 V \equiv , 6 A	48 V \equiv , 2 A (output 1) 48 V \equiv , 2 A (output 2)
Charger protection class	<input type="checkbox"/> /II	<input type="checkbox"/> /II	<input type="checkbox"/> /II
	Included	Not included	Not included

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- | | |
|---------------------------|-------------------------------------|
| 1. Switch lever | 10. Rear wheel |
| 2. Safety switch button | 11. Battery pack cover |
| 3. Upper handle | 12. Cutting height adjustment lever |
| 4. Cable | 13. Carry handle |
| 5. Grass collection bag | 14. Front wheel |
| 6. Rear discharge guard | 15. Charger (060-1990-2) |
| 7. Upper handle lock knob | 16. Battery pack (060-1988-0) |
| 8. Lower handle | 17. Battery pack release button |
| 9. Lower handle lock knob | 18. Mulching block |


WARNING: Any other accessory or attachment may increase the risk of injury.



To reduce the risk of injury, user must read instruction manual

Intended Use

This product is intended for domestic lawn mowing.

- Mowing with grass collection bag attached: standard lawn mowing with grass collection bag attached.
- Mulch and mowing: use the mower with mulching block instead of attaching the grass collection bag. The lawn mower will mulch as it cuts and the fine grass clippings are distributed back onto the grass surface without leaving piles of grass clippings.

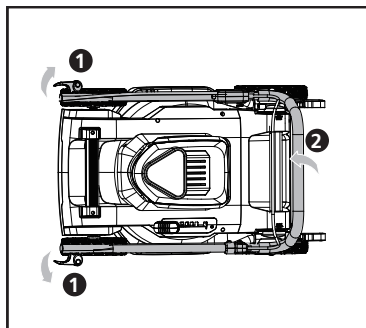
ASSEMBLY

1. HANDLE ASSEMBLY

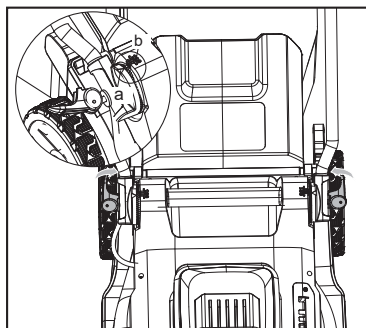
The lower handle bars are pre-installed on the transport handle.

- 1) Unfold and loosen the clamp levers counter-clockwise on the lower handle bars, but do not remove them (see Fig. A1, step 1).
- 2) Grasp the lower handle bars and unfold them from storage position to work position (see Fig. A1, step 2).
- 3) Secure the lower handle bars by folding up the clamp levers towards the lower handle bars. If the clamp lever cannot be folded, loosen it and fold again. If it is too loose, tighten it by turning the clamp lever clockwise (see Fig. A2).

NOTE: For first assembly, secure the lower handle bars with the clamp levers in the middle position of the tilt adjustment mechanism by aligning the indication line (a) with the indicator (b) of the transport handle. Ensure the lower handle bars are assembled on the same height level on both side.



A1



A2



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

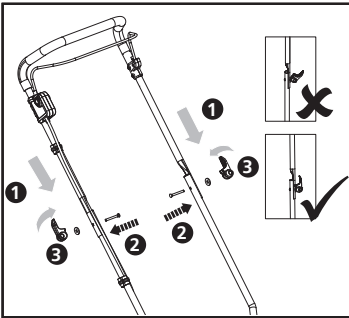


WARNING: Do not connect the product to battery pack before it is completely assembled!

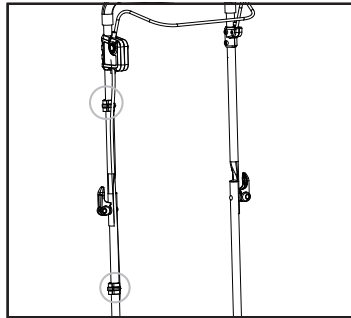


WARNING: Make sure the clamp levers are properly tightened before using the mower.

- 4) Hold the upper handle bar with the start lever facing upwards. Align the mounting holes of the upper handle bar and the lower handle bars (see Fig. A3, step 1).
- 5) Pass the mounting bolt through the mounting holes to the end (see Fig. A3, step 2).
- 6) Attach the washer and screw in the clamp lever clockwise through the thread of the mounting bolt, lock it by folding up the clamp lever towards the handle. If clamp lever cannot be folded, loosen it and fold again. If it is too loose, tighten it by swinging the clamp lever (see Fig. A3, step 3).
- 7) Repeat these instructions for the other side.
- 8) Secure the inter-connection cord with two wire clips (see Fig. A4). Pull the inter-connection cord to avoid contact with the rear wheel if necessary.



A3



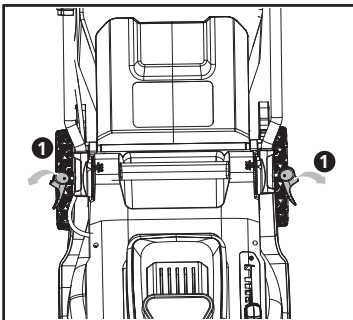
A4

2. HANDLE HEIGHT ADJUSTMENT (SEE FIG. B1, B2)

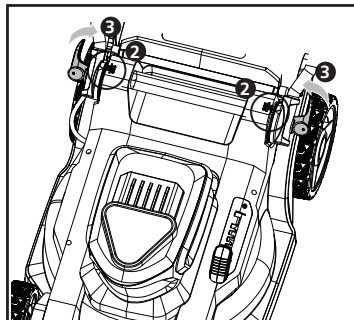
Adjust the lower handle bars to a suitable height according to your needs.

There are three handle heights to choose.

- 1) Unfold and loosen the clamp levers counter-clockwise on both sides of the lower handle bars, but do not remove them (see Fig. B1, step 1).
- 2) Hold and swing the handle assembly gently to the desired position by aligning the indication line with the indicator of transport handle. Ensure the handle assembly is assembled on the same height level on both side (see Fig. B2, step 2).
- 3) Secure the handle assembly by folding up the clamp lever towards the transport handle. If clamp lever cannot be folded, loosen it and fold again. If it is too loose, tighten it by turning the clamp lever clockwise (see Fig. B2, step 3).



B1



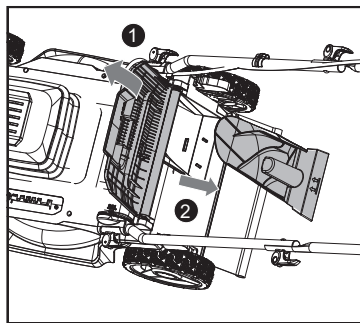
B2

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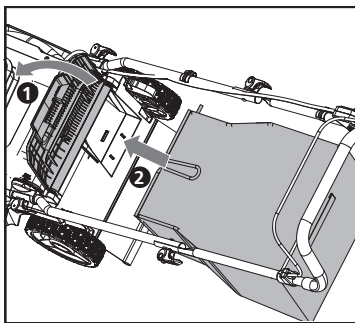
3. GRASS COLLECTION BAG FITTING

- 1) Raise the rear discharge guard and hold it up, remove the mulching block if it is in the rear chute (see Fig. C1).
- 2) Raise the rear discharge guard and hold it up. Pick up the grass collection bag by the handle, and position the left and right hooks of grass collection bag onto the mower (see Fig. C2, C3).
- 3) Release the rear discharge guard. Ensure the grass collection bag is installed securely.

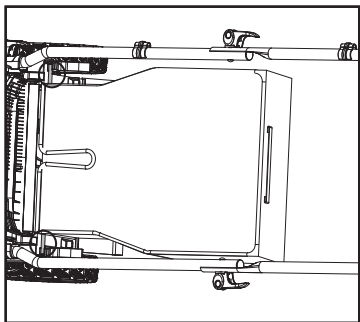
NOTE: Depress the grass collection bag slightly to ensure that it is completely installed.



C1



C2



C3



WARNING: Before fitting, make sure the mower is switched off, the battery pack is removed, and the blades have come to a standstill.

4. REMOVING / EMPTYING THE GRASS COLLECTION BAG

- Removing (See Fig. D)

Raise the rear discharge guard and hold it up. Lift the grass collection bag by the handle upwards a little, and then remove the grass collection bag from the rear discharge chute.

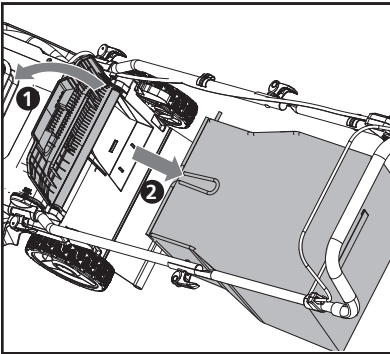
- Emptying

As soon as you see mown grass debris on the lawn, the grass collection bag needs to be emptied.

- 1) Empty the grass clippings from the grass collection bag into the appropriate bin. Check with your local municipality for disposal of grass clippings. Refit grass collection bag per previous instructions.
- 2) If any grass clippings are caught in the rear discharge chute, clean it using a broom or similar extension.
- 3) Do not remove grass debris from under the deck, or on/around the blades by hand or with your feet. Instead use suitable tools such as a brush or broom.
- 4) To ensure that the grass clippings can be blown into the grass collection bag, the rear discharge chute and the inside of the mower deck must be cleared of any blockage.

NOTE:

- Always empty the grass collection bag before it has reached its maximum capacity.
- Do not leave grass clippings in the grass collection bag for extended periods of time.



D



WARNING: Before you remove the grass collection bag, switch off the mower, remove the battery pack, and ensure the blades have come to a standstill.



WARNING: Always check the rear discharge guard closes tightly before using. Never lift the rear discharge guard when the lawn mower is in operation.

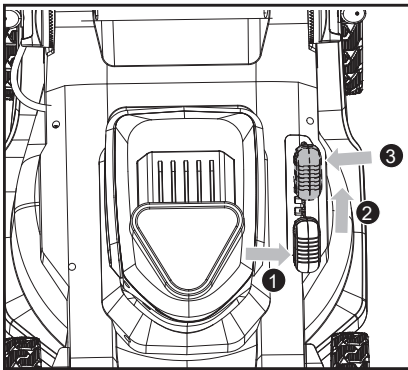
5. ADJUSTING THE CUTTING HEIGHT (SEE FIG. E)

NOTE:

- Always try to adjust the cutting height of the lawn mower while positioned on the area of grass you plan to mow.
- It is recommended to start on a higher setting and mow a trial area of lawn before deciding on the final cutting height position. Then readjust if necessary.

The lawn mower has one cutting height adjustment lever to easily adjust the cutting height. The lawn mower can be set to 6 cutting heights between 3.8 and 9.4 cm (1 1/2 and 3 11/16").

- 1) Pull the lever outward to release the lever (see Fig. E, step 1).
- 2) Move forward or backward to adjust the cutting height (see Fig. E, step 2).
- 3) Release the lever and ensure it is engaged in the slot properly (see Fig. E, step 3).



E



WARNING! Switch off the mower, and wait for blade to come to a complete stop. The blades continue to rotate after the machine is switched off, and a rotating blade can cause injury.



CAUTION! Do not touch rotating blades.

BEFORE OPERATION

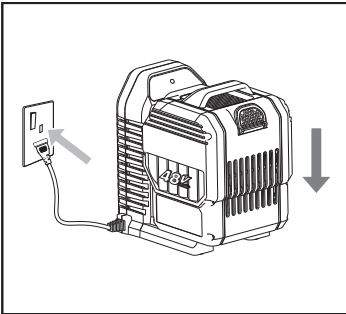
1. CHARGING YOUR BATTERY PACK

NOTE:

- 1) The battery in your new tool is not charged when it leaves the plant; therefore, it must be fully charged before using the first time.
- 2) If the battery pack is very hot, remove the battery from the charger and allow it to cool to ambient temperature before attempting to recharge.
- 3) To prevent damage to the battery pack, please charge the battery to full or no less than half charge before storage.
- 4) If the tool will not be used for long periods of time, charge the battery pack every 3 – 6 months.

CHARGING PROCEDURE (SEE FIG. F)

- 1) Plug the charger into an appropriate outlet.
- 2) Slide the battery pack into the charger firmly. Make sure the battery is in the correct charge position. The light will begin flashing green to indicate the charging process has started.
- 3) When charging is completed, the light will become solid green.
- 4) When fully charged, unplug the charger and remove the battery pack.



F











WARNING! The charger and battery pack are specially designed to work together—do not attempt to use any other devices. Never insert or allow metallic objects into your charger or battery pack connections because an electrical failure and hazard will occur.



WARNING: When battery charge runs out after continuous use or exposure to direct sunlight or heat, allow time for the battery to cool down before re-charging to achieve the full charge.

CHARGING INDICATOR

This charger is designed to detect some problems that can arise with battery packs. Indicator lights indicate problems (see table below).

Light	ON/ Flash	Status
Red on  	————	Defective battery.
Red flash  	Battery temperature protection. The temperature of battery pack is less than 0°C (32°F) or more than 40°C (104°F).
Green on  	————	Fully charged.
Green flash  	Charging.

2. TO REMOVE OR INSTALL BATTERY PACK

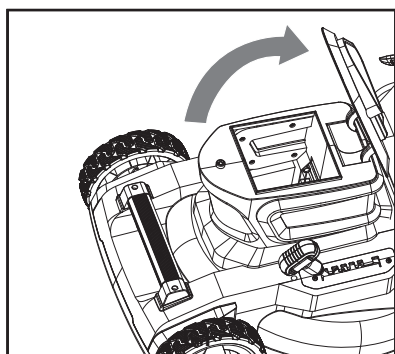
Open the battery pack cover (see Fig. G1).

1) INSTALLING (SEE FIG. G2)

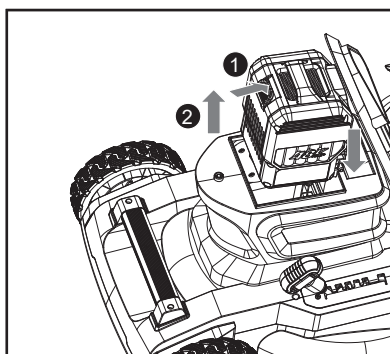
Place the fully charged battery pack into the tool until it clicks into position.

2) REMOVING (SEE FIG. G2)

Depress the battery pack release button firmly first and then lift the battery pack up to remove from your tool.



G1

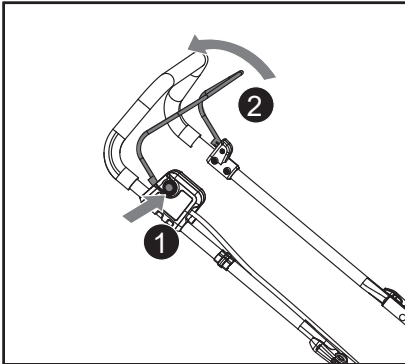


G2

3. STARTING/STOPPING (SEE FIG. H)

NOTE: The mower can only be started by pressing the safety switch button followed by squeezing the start lever. Reverse operation will not start the mower.

- 1) Install the battery pack into the battery compartment.
- 2) Stand behind the grip handle.
- 3) While holding the safety switch button pressed, pull the start lever towards the grip handle (see Fig. H).
- 5) After the mower starts, release the safety switch button.
- 6) The product begins mowing.
- 7) Release the start lever to stop the mower.



H



WARNING: The start lever must be held firmly against the grip part of the upper handle to both start the mower and to keep the mower running. Releasing the start lever will stop the mower.



WARNING: Keep hands, feet, hair and clothing away from all the moving parts of the lawn mower. Make sure that the blade is securely fastened before starting the mower.



WARNING: The battery pack will be too cold to be used if it has been left in an environment with too low temperature (less than -20 degrees Celsius) for a long time. The battery pack needs to be warmed up before use.

4. MOWING TIPS (Grass Catcher Mowing and Mulch Insert Mowing)

NOTE: Always inspect area where mower is to be used and remove all stones, sticks, wire, metal and other debris which might be thrown by the rotating blade.

- 1) It is recommended to mow your lawn more frequently, walk at normal pace, and not to start/stop the mower too often during operation.
- 2) For best performance, please use a fully charged battery pack.
- 3) Walk slowly when cutting long grass so as to have more effective cutting and to properly discharge the clippings.
- 4) Avoid cutting wet grass—it will stick to the underside of the deck and the clippings will not be collected or discharged properly.
- 5) Use a higher cutting height for new or thick grass to extend battery life.
- 6) Mow across the face of slopes, never up-and-down. Exercise extreme caution when changing direction on slopes. Do not mow excessively steep slopes. Always maintain good footing.
- 7) Release start lever to turn mower OFF when crossing any gravelled area (stones can be thrown by the blade).
- 8) Set mower at highest cutting height when mowing in rough ground or in tall weeds. Removing too much grass at one time can cause circuit breaker to trip, which stops mower.
- 9) If mower should start to vibrate abnormally, release start lever to turn mower OFF. Check immediately for cause. Vibration is a warning of trouble. Do not operate mower until a service check has been made.
- 10) 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 (see Fig. I).
- 11) ALWAYS RELEASE START LEVER TO TURN MOWER OFF WHEN LEAVING IT UNATTENDED EVEN FOR A SHORT PERIOD OF TIME.

Mowing with grass collection bag attached

If a grass bag is used during the fast growing season, the grass may tend to clog up at the discharge opening. Release switch lever to turn mower off. Remove the grass bag and shake the grass down to the back end of the bag. Also clean out any grass or debris which may be packed around the discharge opening. Replace the grass collection bag.

Mowing and mulching

Insert the mulching block into the backside of the mower deck (see Fig. J).

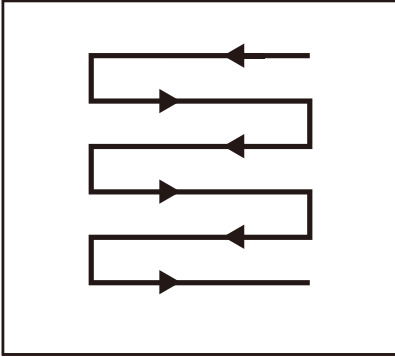
When mulching and mowing, your new mower is designed to cut the grass clippings into small pieces and distribute them back into the lawn using mulching fins located inside the mower deck.



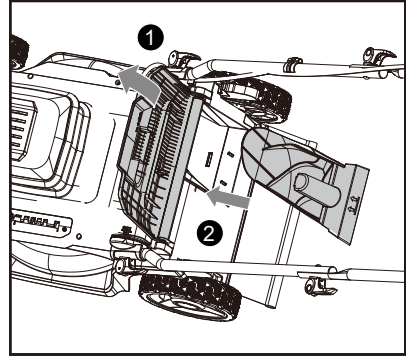
WARNING: If the mower strikes a foreign object, stop immediately! Let the mower cool down and thoroughly inspect the mower for damage.

Have any damage repaired before restarting.

Extensive vibration of the mower during operation is an indication of damage. The mower should be promptly inspected and repaired.



I



J

Under normal conditions, the mulched grass will biodegrade quickly to provide nutrients to the lawn. Please review the following recommendations for optimum mulching performance.

- 1) Avoid mowing when the grass is wet from rain or dew. Wet grass may form clumps which interfere with the mulching action and reduce runtime. 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.
- 2) For best mulching performance, ideally mow no more than 4 cm (1 1/2") at one time. If the lawn is overgrown, it may be necessary to increase the cut height to reduce the pushing effort and prevent overloading the motor. For extremely heavy mulching, 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.
- 3) For best performance, keep the mower housing free of built-up grass. From time to time turn off mower and wait for the blade to come to a complete stop. Remove the battery pack. Using an object such as a stick, wipe out any accumulation of grass in the blade area. Be careful of the sharp edges of the blade. Clean often in wet, new grass, and always clean after every use.
- 4) Under certain types of grass conditions, an area be mulched may require a second mulching to fully disperse the grass throughout the lawn. If cutting a second time, it is advisable to cut perpendicular (across) the first cut pattern.
- 5) Change your cutting pattern from week to week. This will help prevent matting and graining of the lawn.

GENERAL MAINTENANCE

- a. Check the blade and the motor mounting bolts at frequent intervals for proper tightness.
- b. Keep all nuts, bolts, and screws tight to be sure the equipment is in safe working condition.
- c. Check bag frequently for deterioration and wear, and replace worn bags. Check that replacement bags comply with the original manufacturer's recommendations or specifications.
- d. Replace the blade if it is bent or cracked. An unbalanced blade causes vibration that could damage the motor drive unit or cause personal injury.
- e. Sharpen a dull blade equally at each end to maintain the balance.
- f. Clear the blade thoroughly and check its balance by supporting it horizontally on a thin nail through its centre hole. The nail should also be in a horizontal position. 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.

NOTE: To ensure long and reliable service, perform the following maintenance procedures regularly. Check for obvious defects such as a loose, dislodged or a damaged blade, loose fittings, and worn or damaged components. Check that the covers and guards are all undamaged and are correctly attached to mower. Carry out any necessary maintenance or repairs before operating mower.

BLADE SHARPENING

KEEP BLADE SHARP FOR BEST MOWER PERFORMANCE. A DULL BLADE DOES NOT CUT GRASS CLEANLY OR MULCH PROPERLY.

BE SURE THE MOWER IS TURNED OFF AND REMOVE THE BATTERY PACK. WEAR PROPER EYE PROTECTION AND GLOVES PROTECTION WHILE REMOVING, SHARPENING, AND INSTALLING BLADE. 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.

REPLACE BENT OR DAMAGED BLADE IMMEDIATELY.



WARNING! Stop the mower before removing the grass collection bag.

WHEN SHARPENING THE BLADE (SEE FIG. K)

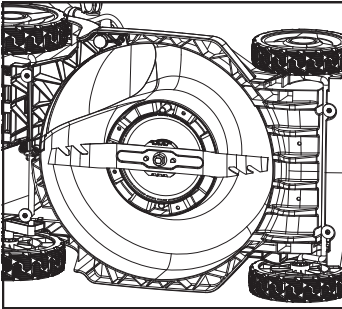
1. Make sure blade remains balanced.
2. Sharpen blade at the original cutting angle.
3. Sharpen cutting edges on both ends of blade to keep it balanced, removing equal amounts of material from both ends.

NOTE:

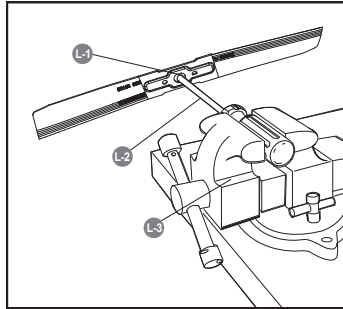
1. Be sure the mower is turned off.
2. Remove the battery pack.

BLADE BALANCING (SEE FIG. L)

Check balance of blade by placing centre hole in blade L-1 over a nail or screwdriver shank L-2, clamped horizontally in a vise L-3. If either end of the blade rotates downward, file that end. Blade is properly balanced when neither end drops.



K



L

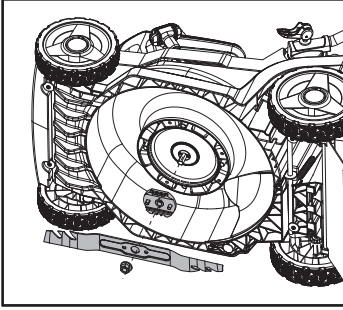
BLADE MAINTENANCE (SEE FIG. M)

Replace your blade after 50 hours mowing or 2 years, whichever is the sooner—regardless of condition.

BE SURE THE MOWER IS TURNED OFF AND REMOVE THE BATTERY PACK.

Follow these procedures to remove and replace the blade. You will need garden gloves and a wrench to remove the blade. Hold the blade and unscrew the blade bolt counter-clockwise using a wrench, and then remove the blade.

To re-assemble, position the blade with the cutting edges towards the ground. Then securely tighten the blade bolt.



M

GENERAL SERVICE

- a. Keep all nuts and bolts tight to be sure the equipment is in safe working condition.
- b. Never tamper with safety devices. Check their proper operation regularly.
- c. Keep machine free of grass, leaves, or other debris build-up.
- d. If you strike a foreign object, stop and inspect the machine. Repair, if necessary, before starting.
- e. Never make any adjustments or repairs with the motor running.
- f. Always unplug electric mowers before adjusting, cleaning, or repairing.
- g. Check grass catcher components and the discharge guard frequently and replace with manufacturer's recommended parts, when necessary.
- h. Mower blades are sharp. Wrap the blade or wear gloves, and use extra caution when servicing them.
- i. Maintain or replace safety and instruction labels, as necessary.

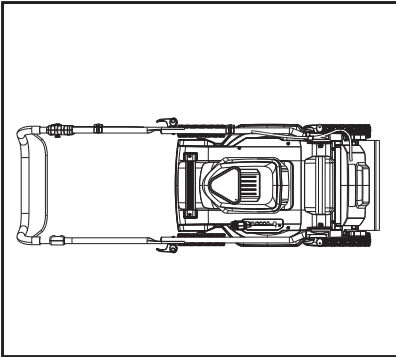
Mower

Stop the mower. Remove the battery. Clean the exterior of the machine thoroughly using a soft brush and cloth. Do not use water, solvents or polishes. Remove all grass and debris, especially from the ventilation slots. Always allow the machine to cool down before storing.

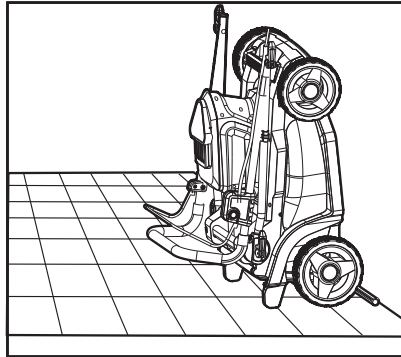
Turn the machine on its side and clean the blade area. If grass cuttings are compacted in the blade area, remove with a wooden or plastic implement.

Store the machine in a dry place. Do not place other objects on top of the machine.

To aid storage, unfold and loosen the clamp levers counter-clockwise on both sides of the lower handle bars as shown in N1. Store the mower vertically as shown in N2.



N1



N2

Battery and Charger

The ambient temperature range for the use and storage of the charger and battery is 0 to 45°C (32 to 113°F).

The recommended ambient temperature range for the charging system during charging is 0 to 40°C (32 to 104°F).

It is recommended that the battery be stored indoors for the winter months.

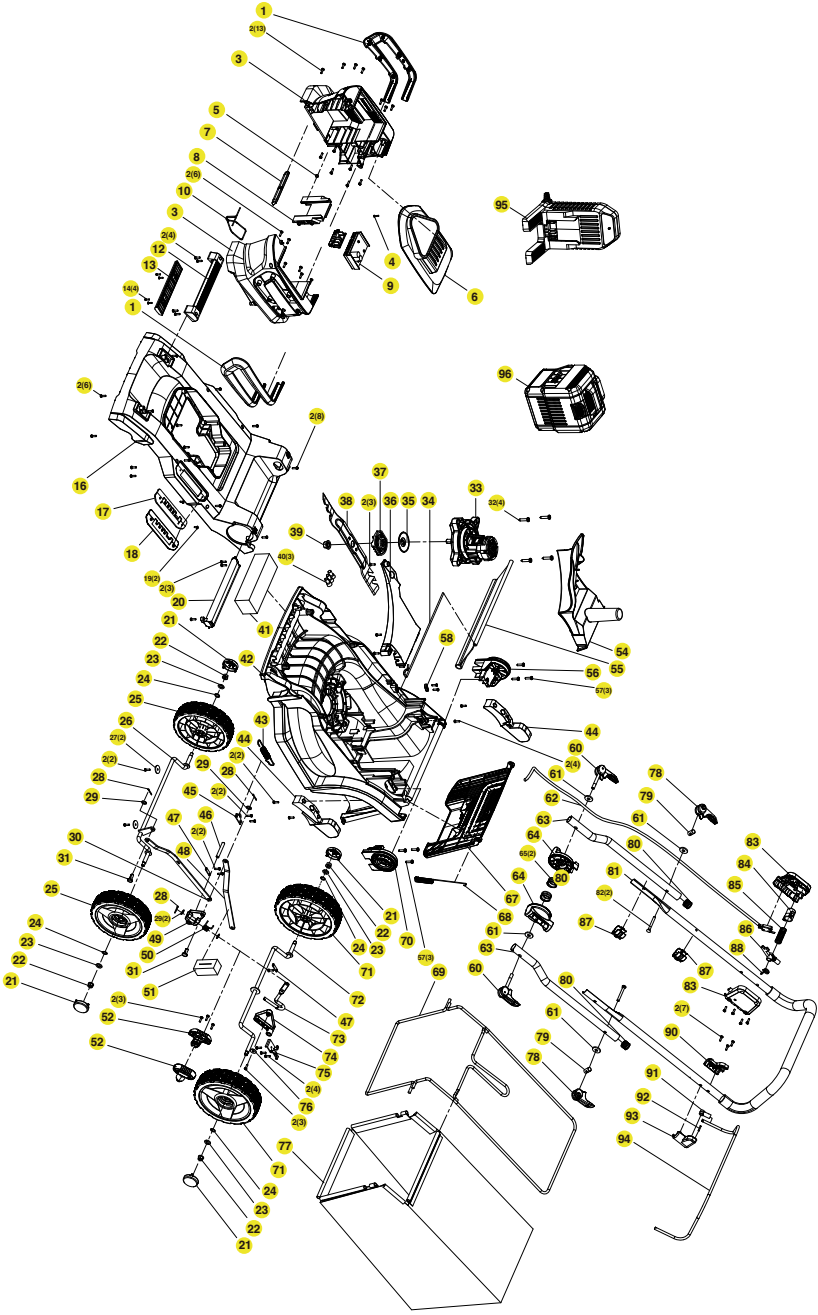
At the end of the life of the appliance, remove the battery pack safely before disposing of the appliance. Do not throw batteries away or throw them in the normal trash can. Also do not dispose of the battery with the machine. Remove the used battery pack from the appliance and dispose of it at the nearest or convenient dedicated recycling facility. If in doubt, consult your local environmental protection department. Batteries may enter water cycle if disposed improperly, which can be hazardous for ecosystem. Do not dispose of waste batteries as unsorted municipal waste.

model no. 060-1960-4 | contact us 1.866.523.5218

The following table gives checks and actions that you can perform if your machine does not operate correctly. If these do not identify/remedy the problem, contact Yardworks[®] at 1.866.523.5218.

Problem	Solution
Mower doesn't run when switch lever is activated.	Release switch lever to turn mower off. Remove the battery pack. Turn mower over and check that the blade can turn freely. If not, contact Yardworks [®] at 1.866.523.5218. Has battery been fully charged? If not, charge the battery pack.
Motor stops while mowing.	Turn mower off. Remove the battery pack. check that the blade can turn freely. If not, contact Yardworks [®] at 1.866.523.5218. Raise cutting height of wheels to highest position and start mower. Has battery been fully charged? If not, charge the battery pack. Avoid overloading the mower. Slow down the cutting pace by pushing mower slower or raise the cut height. Or both.
Mower runs but cutting performance is unsatisfactory, or does not cut entire lawn.	Has battery been fully charged? If not, charge the battery pack. Turn mower over. Remove the battery pack. Check blade for sharpness; keep blade sharp. Check deck and discharge chute for clogging. Wheel height adjustment may be set too low for grass condition. Raise cutting height.
Mower is too hard to push.	Raise cutting height to reduce deck drag on grass. Check each wheel for free rotation.
Mower is abnormally noisy and vibrates.	Turn mower off. Remove the battery pack. Turn mower on side and check blade to ensure it has not been bent or damaged. If blade is damaged, replace with a replacement blade. If the underside of the deck is damaged, contact Yardworks [®] at 1.866.523.5218. If there is no visible damage to the blade and the mower still vibrates: turn mower off, remove the battery pack, and then remove blade. Rotate blade 180 degrees and retighten. If mower still vibrates, contact Yardworks [®] at 1.866.523.5218.
Mower not picking up clippings with the grass collection bag.	Remove mulch block when bagging. Chute clogged. Release switch lever to turn mower off. Clear chute of grass clippings. Too much cut grass. Raise cutting height of wheels to shorten length of the cut. Bag full. Empty bag more often.
When mulching there are clippings visible.	Too much cut grass. Raise cutting height of wheels to shorten length of the cut. Do not cut off more than 1/3 of total length. Check blade for sharpness. Always keep blade sharp.
Low or diminished run-time after many uses.	Contact Yardworks [®] at 1.866.523.5218.—may need new battery.

Exploded View



model no. 060-1960-4 | contact us 1.866.523.5218

Item No.	Description	QTY.	Item No.	Description	QTY.
1	Left/right decorative cover	1	38	Blade	1
2	Self tapping screw	72	39	Lock nut	1
3	Left/right housing	1	40	Terminal port	3
4	Self tapping screw	1	41	Counterweight	1
5	Magnet	1	42	Base	1
6	Battery cover	1	43	Extension spring	1
7	Press plate	1	44	Left/right support plate	1
8	Bracket	1	45	Press plate	1
9	Control board	1	46	Clevis pin	1
10	Torsional spring	1	47	Press plate	1
12	Front handle stand	1	48	Linkage	1
13	Handle lower cover	1	49	Base holder	1
14	Self tapping screw	4	50	Torsional spring	1
16	Top cover	1	51	Filter	1
17	Rubber washer	1	52	Left/right handle cover	1
18	Position piece	1	54	Mulch plate	1
19	Self tapping screw	2	55	Rear flap	1
20	Rear handle	1	56	Right holder	1
21	Decorative cover	4	57	Self tapping screw	6
22	Nut m8	4	58	Cord clamp	1
23	Washer	4	60	Spanner	2
24	Ripple washer	4	61	Washer	4
25	Front wheel	2	62	Power cord	1
26	Front roller shaft	1	63	Pushing rod	2
27	Washer	3	64	Left/right gear cover	1
28	Spring pin	3	65	Compression spring	2
29	Washer	3	67	Guard flap	1
30	Linkage	1	68	Extension spring	1
31	Clevis pin	2	69	Support	1
32	Self tapping screw	4	70	Left holder	1
33	Gear case	1	71	Rear wheel	2
34	Locking lever	1	72	Rear roller shaft	1
35	Fence	1	73	Hight adjustable handle	1
36	Base plate	1	74	Rear support	1
37	Washer	1			

model no. 060-1960-4 | contact us 1.866.523.5218

Parts List

Item No.	Description	QTY.
75	Press plate	1
76	Washer	1
77	Dust bag	1
78	Spanner	2
79	Clevis pin	2
80	Tube plug	2
81	Push stick	1
82	Bolt	2
83	Left/right switch cover	1
84	Switch lever	1
85	Compression spring	1
86	Switch lever	1
87	Cable clamp	2
88	Torsional spring	1
90	Fixed guard	1
91	Fixed support	1
92	Cylindrical pin	1
93	Base holder	1
94	Control bar	1
95	Battery pack	1
96	Charger	1

FIVE-YEAR LIMITED WARRANTY

For five (5) years from the date of purchase within Canada, Yardworks Canada will, at its option, repair or replace for the original purchaser, free of charge, any part or parts found to be defective in material or workmanship (excludes battery and charger).

For three (3) years from the date of purchase within Canada, Yardworks Canada will, at its option, repair or replace for the original purchaser, free of charge, any battery or charger found to be defective in material or workmanship.

THIS WARRANTY DOES NOT COVER

1. Any part that has become inoperative due to misuse, commercial use, abuse, neglect, accident, improper maintenance, or alteration;
2. The unit, if it has not been operated and/or maintained in accordance with the owner's manual;
3. Normal wear, except as noted below;
4. Routine maintenance items such as lubricants, blade sharpening; or
5. Normal deterioration of the exterior finish due to use or exposure.

FULL ONE YEAR (365) DAYS WARRANTY ON NORMAL WEAR PARTS

Normal wear parts are defined as blade adaptors, blades, grass bags and tires. These parts are warranted to the original

purchaser to be free from defects in material and workmanship for a period of three hundred and sixty-five (365) days from the date of retail purchase.

HOW TO OBTAIN SERVICE

Warranty service is available by calling the toll-free helpline at 1.866.523.5218. The factory will not accept the return of a complete unit unless prior written permission has been extended by Yardworks Canada.

TRANSPORTATION CHARGES

Transportation charges for the movement of any power equipment unit or attachment are the responsibility of the purchaser. The purchaser must pay transportation charges for any part submitted for replacement under this warranty unless such return is requested in writing by Yardworks Canada.

OTHER WARRANTIES

All other warranties, express or implied, including any implied warranty of merchantability is limited in its duration to that set forth in this express limited warranty.

The provisions as set forth in this warranty provide the sole and exclusive remedy of Yardworks Canada obligations arising from the sale of its products.



Always remove or disconnect the battery pack before adjusting, cleaning, servicing or transporting your appliance.

FCC Part 15

Supplier's Declaration of Conformity
Product Description: 48V 2.0A Charger
Model Number: 060-1990-2
Trade Name: YARDWORKS[®]

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference; and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Responsible Party:

**YARDWORKS**[™]

1.866.523.5218

Made in China
Imported by Yardworks Canada
Toronto, Canada M4S 2B8