

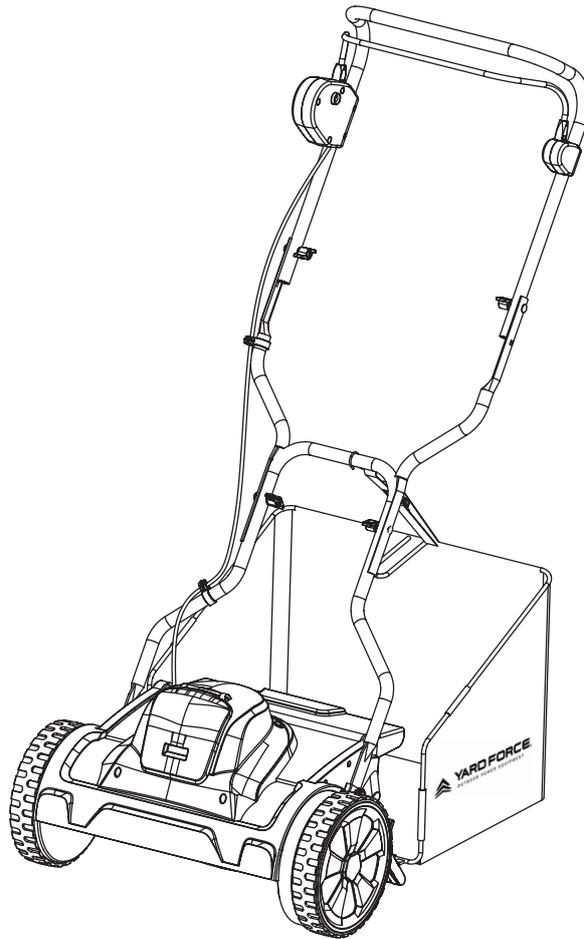


YARD FORCE®

OUTDOOR POWER EQUIPMENT

YF20VRX-RM

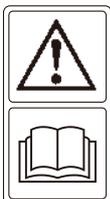
20V CORDLESS REEL MOWER OPERATOR'S MANUAL



Our Customer Service staff is ready to provide assistance.

In the case of a damaged or missing part, most replacement parts ship directly from Merotec USA in Atlanta or from one of our service partners in the US.

For immediate help with assembly, or for additional product information, email support@MerotecUSA.com or call 866-902-9690 M-F 8:30am – 5:00pm ET. More information can be found on www.YardForceUSA.com.



SAVE THIS MANUAL FOR REFERENCE

You will need this manual for safety instructions, operating procedures, and Warranty. The original sales receipt is required for warranty service.

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IMPORTANT!
Safety Instructions

All Operators Must Read These Instructions Before Use

Always follow these safety guidelines. Failure to do so may result in serious bodily injury or death.

GENERAL SAFETY WARNINGS!

When using this cordless reel mower, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury. These precautions include:

 **WARNING!** The use of any other accessory or attachment might increase the risk of injury.

 **WARNING!** To reduce the risk of injury, inspect the grass collection bag frequently and replace with recommended replacement if there are signs of wear or deterioration.

Before using the reel mower, take the time to familiarize yourself with the controls, especially how to stop the reel mower in an emergency. The only individuals who should use the reel mower are those who have a thorough understanding of the instructions and who know how to operate the machine. Children should never be allowed access to the reel mower.

Retain this manual for future reference and reread it at the start of each mowing season.

1. **Avoid dangerous conditions** – Do not use the reel mower in the rain or when the grass is damp or wet.
2. **Keep children, bystanders, and pets away** – Always keep children and spectators a safe distance away from the reel mower during operation and as the machine cools.
3. **Dress properly** – Always wear personal safety gear (i.e. glasses, rubber gloves, protective footwear, and dust masks) and proper clothing when using the reel mower. Loose clothing, long hair, or jewelry may get caught in the moving parts. Wear a protective covering to contain long hair.
4. **Use the right appliance** – Do not use the reel mower for any applications other than those for which it was intended.

5. **Do not force the reel mower** – It will perform better with less likelihood of personal or mechanical injury if it is used at the rate for which it was designed.
6. **Do not overreach** – Keep proper footing and balance at all times.
7. **Stay alert** – Always stay alert and watch what you are doing. Use common sense. Do not operate the reel mower when you are tired or under the influence of alcohol or drugs. This reel mower is not designed to be used by people (including children) with limited physical, sensory or mental capacities. It should also not be used by those lacking the proper experience and/or knowledge unless they are supervised by a person who is responsible for their safety or they have received instructions from such a person on how to safely use the equipment.
8. **Prevent unintentional starting** – Ensure the switch is in the off-position before connecting to battery pack, picking up or carrying the appliance. Carrying the appliance with your finger on the switch or energizing appliance that have the switch on invites accidents.
9. **Remove the battery** – Disconnect the battery pack from the appliance before making any adjustments, changing accessories, or storing appliance. Such preventive safety measures reduce the risk of starting the appliance accidentally.
10. **Store idle reel mower indoors** – When not in use, the reel mower should be stored indoors in a dry, locked place out of the reach of children.
11. **Maintain the reel mower with care** – Keep cutting edges sharp and clean for best and safest performance. Inspect the reel mower cord periodically and if damage is found have it repaired by an authorized service facility. Keep handles dry, clean, and free from oil and grease.

Electrical Safety

 **WARNING!** Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or 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.

2. Use appliances only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
 3. When the battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.
 4. 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.
 5. Do not use a battery pack or appliance that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.
 6. Do not expose the battery pack or appliance to fire or excessive temperature. Exposure to fire or temperature above 104°F (40.5°C) may cause explosion.
 7. Follow all charging instructions and do not charge the battery pack or appliance outside of the temperature range specified in the instructions. Charging improperly or at temperatures outside of the specified range may damage the battery and increase the risk of fire.
 8. Do not modify or attempt to repair the appliance or the battery pack except as indicated in the instructions for use and care.
- Clear the mowing area of foreign objects such as rocks, wire, toys, and other miscellaneous articles, which could be picked up and thrown by the blade. Stay behind the handle when the engine (motor) is running.
 - Make sure that the mowing area is clear of bystanders before starting the machine. Stop the machine if anyone enters the area.
 - Do not operate the machine while barefoot or while wearing sandals. Always wear substantial footwear.
 - Always look down and behind before and while moving backward with the reel mower.
 - Never direct discharged material toward anyone. Avoid discharging material against a wall or other obstruction.
 - Never leave a running machine unattended.
 - Stop the engine (motor) and wait until the blade comes to a complete stop before cleaning the machine, removing the grass collection bag, or changing accessories.
 - Operate the machine only in daylight or in good artificial light.
 - Do not operate the machine when you are tired or under the influence of alcohol or drugs.
 - Never operate the reel mower in wet grass. Always be sure of your footing; walk, never run, with the reel mower.
 - If the machine should start to vibrate abnormally, stop the engine (motor) and immediately check the machine to ascertain the cause. Vibration is generally a signal of trouble.
 - Keep blades sharp.
 - Keep hands and feet away from the cutting area.
 - Always wear eye protection when operating the machine.
 - Objects struck by the reel mower blade can cause severe injuries. The mowing area should always be carefully examined and cleared of all objects prior to each mowing.
 - If the reel mower strikes a foreign object, follow these steps:
 - i. Stop the reel mower by releasing the ON/OFF switch lever.
 - ii. Remove the battery.
 - iii. Inspect for damage.
 - iv. Repair any damage before restarting and operating the reel mower.

IMPORTANT!
Safety Instructions for
Walk-Behind Mowers
General Operation

- Read, understand, and follow all instructions on the machine and in the manual(s) before starting.
- Do not put hands or feet near or under the machine. Always stay clear of the discharge opening.
- Keep guards in place and in proper working order.
- Only responsible adults who are familiar with the instructions should be allowed to operate this machine.

Slope Operation

Slopes are major factors related to slip and fall accidents, which can result in severe injury. Operation on all slopes requires extra caution. If you feel uneasy on a slope, do not mow it.

- Mow across the face of slopes; never mow slopes following an up and down traverse. Exercise extreme caution when changing direction on a slope.
- Watch for holes, ruts, bumps, rocks, or other hidden objects. These may cause an unexpected slip or fall.
- Do not mow on wet grass or excessively steep slopes. Poor footing could cause a slip and fall accident.
- Do not mow near drop offs, ditches, or embankments. You could lose your footing or balance.

Children

Tragic accidents can occur if the operator is not alert to the presence of children. Children are often attracted to the machine and the mowing activity. Never assume that children will remain where you last saw them.

- Keep children out of the mowing area and under the watchful care of a responsible adult other than the operator.
- Stay alert and turn the reel mower off if a child enters the area.
- Never let children operate the machine.
- Use extra care when approaching blind corners, shrubs, trees, or other objects that may block your view of a child.

Service

- Stop the machine and disconnect the safety key and the battery before servicing, cleaning, or removing grass from the reel mower.
- Keep all nuts and bolts tight.
- Never tamper with safety devices. Regularly check to ensure these devices are in place and in proper working order.
- Keep the reel mower free from grass, leaves, or other debris buildup.
- Never make any adjustments or repairs with the engine (motor) running. Always remove the battery before adjusting, cleaning, or repairing.
- Check the grass bag components frequently and replace with manufacturer's recommended parts when necessary.

- Mower blades are sharp. Wrap the blade or wear gloves, and use extra caution when servicing them.
- Maintain or replace safety and instruction labels, as necessary.
- If your power tool requires service, contact the Yard Force Support Center toll-free at (866) 902-9690. Only identical replacement parts should be utilized for repairs. This will ensure that the safety of the power tool is maintained.
- If the battery charger cable is damaged, it must be immediately replaced to avoid a hazard. Contact the Yard Force Support Center toll-free at (866) 902-9690 for assistance.

Battery & Charger
Safety Instructions

We pay a great deal of attention to the design of every battery pack to ensure that we supply you with batteries that are safe, durable and have a high energy density. The battery cells have a wide range of safety devices. Each individual cell is initially formatted and its electrical characteristic curves are recorded. This data is then used exclusively to be able to assemble the best possible battery packs.

Despite all the safety precautions, caution must always be exercised when handling batteries. The following points must be obeyed at all times to ensure safe use. Safe use can only be guaranteed if undamaged cells are used. Incorrect handling of the battery pack can cause cell damage.

IMPORTANT! Analyses confirm that incorrect use and poor care of high-performance batteries are the main factors responsible for personal and/or product damage.

 **WARNING!** Use only approved replacement batteries; other batteries may damage the cordless reel mower and cause it to malfunction, which can lead to serious personal injury.

 **WARNING!** Do not use a battery pack or appliance that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.

Do not modify or attempt to repair the appliance or the battery pack except as indicated in the instructions for use and care.

Have your battery pack serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the battery pack is maintained.

CAUTION! To reduce the risk of injury, charge the 20V lithium-ion battery pack only in its designated 20V lithium-ion charger. Other types of chargers present risk of fire, personal injury and damage. Do not wire a battery pack to a power supply plug or car cigarette lighter. Such misuse will permanently disable or damage the battery pack.

- **Avoid dangerous environments** – Do not charge the battery pack in rain, snow or in damp or wet locations. Do not use the battery pack or charger in the presence of explosive atmospheres (gaseous fumes, dust or flammable materials) because sparks may be generated when inserting or removing the battery pack, which could lead to a fire.
- **Charge in a well-ventilated area** – Do not block the charger vents. Keep them clear to allow for proper ventilation. Do not allow smoking or open flames near a charging battery pack. Vented gases may explode. **NOTE:** The safe temperature range for the battery is 41°F – 105°F (5°C – 40.5°C). Do not charge the battery outside in freezing weather; charge it at room temperature.
- **Maintain charger cord** – When unplugging the charger, pull the plug, not the cord, from the receptacle to reduce the risk of damage to the electrical plug and cord. Never carry the charger by its cord or yank it by the cord to disconnect it from the receptacle. Keep the cord away from heat, oil and sharp edges. Make sure the cord will not be stepped on, tripped over or subjected to damage or stress when the charger is in use. Do not use the charger with a damaged cord or plug. Replace a damaged charger immediately.
- **Do not use an extension cord unless it is absolutely necessary** – Using the wrong, damaged or improperly wired extension cord poses a risk of fire and electric shock. If an extension cord must be used, plug the charger into a properly wired 16 gauge or larger extension cord with the female plug matching the male plug on the charger.

Make sure that the extension cord is in good electrical condition.

- **Charger is rated for 120 volt AC only** – The charger must be plugged into an appropriate receptacle.
 - **Use only recommended attachments** – Use of an attachment not recommended or sold by the battery charger or battery pack manufacturer may result in risk of fire, electric shock or personal injury.
 - **Unplug charger when not in use** – Make sure to disconnect battery pack from unplugged charger.
- WARNING!** To reduce the risk of electric shock, always unplug the charger before performing any cleaning or maintenance. Do not allow water to flow into the charger. Use a Ground Fault Circuit Interrupter (GFCI) to reduce shock hazards.
- **Do not burn or incinerate the battery pack** – The battery pack may explode, causing personal injury or damage. Toxic fumes and materials are created when battery pack is burned.
 - **Do not crush, drop or damage battery pack** – Do not use the battery pack or charger if they have sustained a sharp blow, been dropped, run over or have been damaged in any way (i.e. pierced with a nail, hit with a hammer, stepped on, etc.).
 - **Do not disassemble** – Incorrect reassembly may pose a serious risk of electric shock, fire or exposure to toxic battery chemicals. If the battery or charger are damaged, contact an authorized the Yard Force Support Center toll-free at (866) 902-9690 for assistance.
 - **Battery chemicals cause serious burns** – Never let a damaged battery pack contact the skin, eyes or mouth. If a damaged battery pack leaks battery chemicals, use rubber or neoprene gloves to safely dispose of it. If skin is exposed to battery fluids, wash the affected area with soap and water and rinse with vinegar. If eyes are exposed to battery chemicals, immediately flush with water for 20 minutes and seek medical attention. Remove and dispose of contaminated clothing.
 - **Do not short circuit** – A battery pack will short circuit if a metal object makes a connection between the positive and negative contacts on the battery pack. Do not place a battery pack near anything that may cause a

short circuit, such as paper clips, coins, keys, screws, nails and other metallic objects. A short-circuited battery pack poses a risk of fire and severe personal injury.

- **Store your battery pack and charger in a cool, dry place** – Do not store the battery pack or charger where temperatures may exceed 105°F (40.5°C), such as in direct sunlight or inside a vehicle or metal building during the summer.

Information about the battery

1. The battery pack supplied with your cordless reel mower is only partially charged. The battery pack has to be charged completely before you use the tool for the first time.
2. For optimum battery performance, avoid low discharge cycles by charging the battery pack frequently.
3. Store the battery pack in a cool place, ideally at 77°F (25°C) and charged to at least 40%.
4. Lithium-ion batteries are subject to a natural aging process. The battery pack must be replaced at the latest when its capacity falls to just 80% of its capacity when new. Weakened cells in an aged battery pack are no longer capable of meeting the high power requirements needed for the proper operation of your reel mower, and therefore pose a safety risk.
5. Do not throw battery pack into an open fire as this poses a risk of explosion.
6. Do not ignite the battery pack or expose it to fire.
7. Do not exhaustively discharge the battery. Exhaustive discharge will damage the battery cells. The most common cause of exhaustive discharge is lengthy storage or non-use of partially discharged batteries. Stop working as soon as the performance of the battery falls noticeably or the electronic protection system triggers. Place the battery pack in storage only after they have been fully charged.
8. Protect the battery and the tool from overloads. Overloads will quickly result in overheating and cell damage inside the battery housing even if this overheating is not apparent externally.
9. Avoid damage and shocks. Immediately replace batteries that have been dropped from a height of more than one meter or those that have been exposed to violent shocks, even if the housing of the battery pack

appears to be undamaged. The battery cells inside the battery may have suffered serious damage. In such instances, please read the waste disposal information for proper battery disposal.

10. If the battery pack suffers overloading and overheating, the integrated protective cutoff will switch off the equipment for safety reasons. **IMPORTANT!** Do not press the ON/OFF switch any more if the protective cut-off has been activated. This may damage to the battery pack.
11. Use only original battery packs. The use of other batteries poses a fire risk and may result in injuries or an explosion.

Information about the charger and the charging process

1. Please check the data marked on the rating plate of the battery charger. Be sure to connect the battery charger to a power supply with the voltage marked on the rating plate. Never connect it to a different mains voltage.
2. Protect the battery charger and its cord from damage. Keep the charger and its cord away from heat, oil and sharp edges. Have damaged cords repaired without delay by a qualified technician at an authorized call the Yard Force Support Center toll-free at (866) 902-9690..
3. Electrical plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with grounded appliances. Unmodified plugs and matching outlets will reduce the risk of electric shock.
4. Keep the battery charger, battery pack and the cordless tool out of the reach of children.
5. Do not use the supplied battery charger to charge other cordless tools.
6. During periods of heavy use, the battery pack will become warm. Allow the battery pack to cool to room temperature before connecting it to the charger to recharge.
7. Do not overcharge the battery. Do not exceed the maximum charging times. These charging times only apply to discharged battery. Frequent insertion of a charged or partially charged battery pack will result in overcharging and cell damage. Do not leave the battery in the charger for days on end.

8. Never use or charge the battery if you suspect that it has been more than 12 months since the last time it was charged. There is a high probability that the battery pack has already suffered dangerous damage (exhaustive discharge).
9. Charging the battery at a temperature below 41°F (5°C) will cause chemical damage to the cells and may cause a fire.
10. Do not use battery that have been exposed to heat during the charging process, as the battery cells may have suffered dangerous damage.
11. Do not use batteries that have suffered curvature or deformation during the charging process or those that exhibit other atypical symptoms (gassing, hissing, cracking, etc.).
12. Never fully discharge the battery pack (maximum recommended depth of discharge is 80%). A complete discharge of the battery pack will lead to premature aging of the battery cells.

Protection from environmental influences

1. Wear suitable work clothes. Wear safety goggles.
2. Protect your cordless tool and the battery charger from moisture and rain. Moisture and rain can cause dangerous cell damage.
3. Do not use the cordless tool or the battery charger near vapors and flammable liquids.
4. Use the battery charger and cordless tools only in dry conditions and at an ambient temperature of 41°F – 105°F (5°C – 40.5°C).
5. Do not keep the battery charger in places where the temperature is liable to reach over 105°F (40.5°C). In particular, do not leave the battery charger in a car that is parked in the sunshine.
6. Protect the battery from overheating. Overloads, overcharging and exposure to direct sunlight will result in overheating and cell damage. Never charge or work with battery that have been overheated – replace it immediately, if possible.
7. Store the charger and your cordless tool only in dry locations with an ambient temperature of 41°F – 105°F (5°C – 40.5°C). Store your lithium-ion battery pack in a cool, dry place at a temperature of 77°F (25°C). Protect the battery pack, charger and cordless tool from

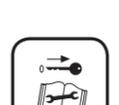
humidity and direct sunlight. Only place fully charged battery in storage (charged to at least 40%).

8. Prevent the lithium-ion battery pack from freezing. Battery pack that was stored below 32°F (0°C) for more than 60 minutes must be discarded.
9. When handling batteries, be wary of electrostatic charge. Electrostatic discharges can damage the electronic protection system and the battery cells. Avoid electrostatic charging and never touch the battery poles.

SAFETY SYMBOLS

The following table 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.

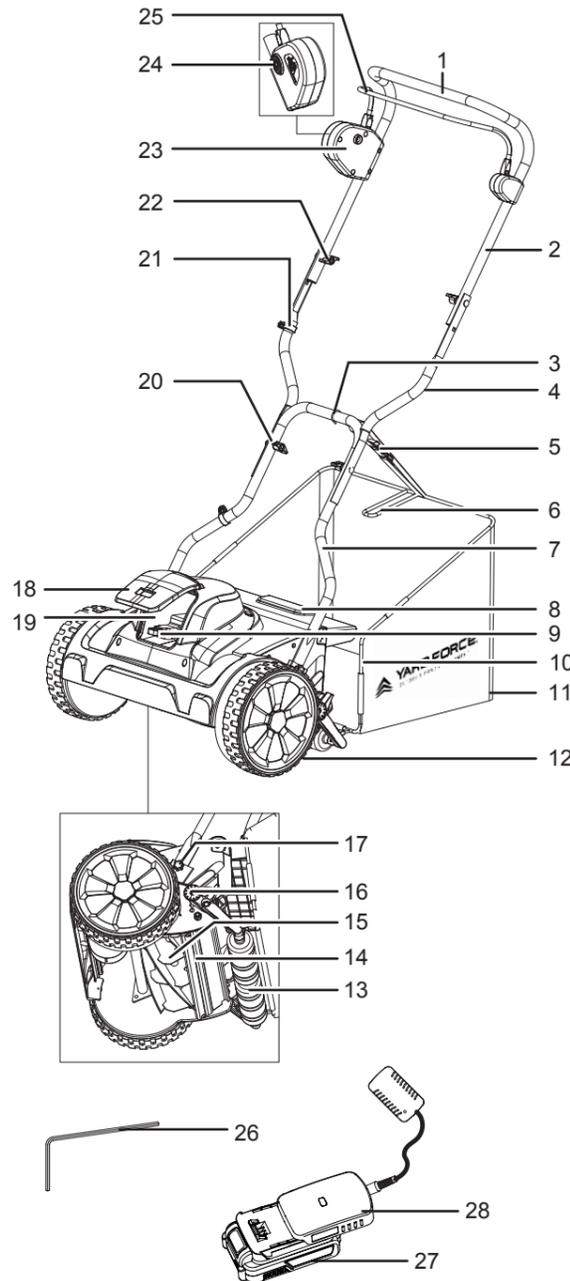
	DANGER! Rotating blades. Keep hands and feet away.
	Keep bystanders and children a safe distance away.
	Safety Alert. Caution. To reduce the risk of injury, user must read instruction manual.
	Wear eye and hearing protection. For protection against injury, wear ear defenders and safety goggles.
	WARNING! Do not expose or operate the unit in rain or wet conditions. Keep dry.
	Wear protective gloves and non-slip footwear when using the machine and handling debris.
	Slip on slope hazard – Use extra caution when mowing on slopes to prevent slip and fall accidents.

	Severing of toes or fingers by rotary mower blade.
	Thrown objects and rotating blade can cause severe injury.
	Keep bystanders a safe distance away from the work area.
	Blades continue to rotate after machine is switched off.
	Rotating blades, keep hands and feet away from the opening while the machine is running.
	WARNING! Always turn the machine OFF and remove the safety key before conducting inspection, cleaning and maintenance.
	Look behind when backing up with the mower.
	Two handed hold/Indoor use only. Only use battery charger indoors.

KNOW YOUR CORDLESS REEL LAWN MOWER

Read the owner's manual and safety instructions carefully before operating the reel mower. Compare the illustration below to the reel mower in order to become familiar with the location of the various controls and adjustments. Save this manual for future reference.

1. Soft grip
2. Upper handle frame
3. Strap hook
4. Middle handle bars (2)
5. Locking strap
6. Grass collection bag handle
7. Lower handle frame
8. Ejector flap
9. Safety key
10. Grass collection bag support rod
11. Grass collection bag
12. Wheel (2)
13. Roller bar
14. Cutting bar
15. Steel cutting blades
16. Height adjustment knobs (2)
17. Lower handle knobs (2)
18. Battery compartment cover
19. Battery compartment
20. Lower handle knob + bolt (2 sets)
21. Cable clip (2)
22. Upper handle knob + bolt (2 sets)
23. Switch box
24. Safety lock button
25. On/Off switch bail
26. Hex key wrench
27. 20V lithium-ion battery pack
28. 20V charger



TECHNICAL DATA

Motor	360 W
Battery Voltage Max*	20V D.C.
Battery Capacity	2.0 Ah
Battery Runtime Max	20 mins
	<i>cuts up to 4,910 sq. ft of grass</i>
Charger Input	100-240V AC,
	50-60HZ
Charger Output	21V DC, 1.5A
Charge Time Max	1 hr 30 mins
No Load Speed	1000 rpm
Rotor	5 steel blades
Cutting Width	15 in. (38 cm)
4-Position Cutting Heights	
	0.6 in. 1.0 in. 1.5 in. 2.0 in.
	(15 mm 28 mm 39 mm 50 mm)
Grass Collection	11.9 gal (45 L)
Bag Capacity	
Net Weight	29.5 lbs (13.4 kg)
<i>*Initial no-load voltage, when fully charged, peaks at 20 volts; nominal voltage under typical load is 18 volts.</i>	

Unpacking

Carton Contents

- Cordless reel mower body connected with upper handle frame
- Middle handle bars (2)
- Lower handle frame
- Grass collection bag
- Grass collection bag support rod
- Handle knob + bolt (4 sets)
- Lower handle knob (2)
- Cable clip (2)
- Safety key
- Hex key wrench
- 20V lithium-ion battery
- 20V lithium-ion battery charger
- Manual and registration card

1. Carefully remove the reel mower and check to see that all of the above items are supplied.
2. Inspect the product carefully to make sure no breakage or damage occurred during shipping. If you find damaged or missing parts, DO NOT return the unit to the store. Please call the Yard Force Support Center toll-free at (866) 902-9690.

NOTE: Do not discard the shipping carton and packaging material until you are ready to use your new cordless reel mower. The packaging is made of recyclable materials. Properly dispose of these materials in accordance with local regulations.

IMPORTANT! The equipment and packaging material are not toys. Do not let children play with plastic bags, foils, or small parts. These items can be swallowed and pose a suffocation risk!

BATTERY PACK OPERATION

To prepare battery.



CAUTION:

1. Improper use of battery pack and charger can result in electric shock and fire.
2. Keep battery charger and pack dry. Avoid exposing battery pack and charger to rain or wet conditions.
3. To reduce the risk of electric shock, do not allow water to flow into AC plug.
4. Do not short circuit. Never place any object into the battery pack terminals.

NOTE: Your battery must be charged before you can start your reel mower.

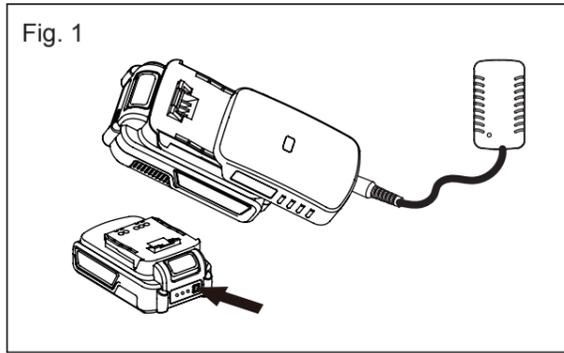
Charging Battery Pack(Fig. 1)

NOTICE:

- The battery pack is supplied partially charged. To ensure the best performance, charge the battery completely before first use.
 - Make sure the main voltage is the same as rating label which is located on the charger.
 - Remove the battery pack from the charger after it has been fully charged.
1. Connect the charger to a power supply. The red LED light on the charger will illuminate.
 2. To insert the battery pack into the charger, align the grooves on the battery pack with the raised ribs in the opening of the charger.
 3. Once the battery pack is correctly located in the charger, the green LED light of the charger will flash continuously during normal charging.
 4. When charging is complete, the green LED lights of the charger will illuminate.

This 20V Li-Ion battery pack is equipped with a power indicator which is used to show the battery pack's remaining charge. Press the power indicator button to check battery charge as shown above.(See Fig.1)

Fig. 1



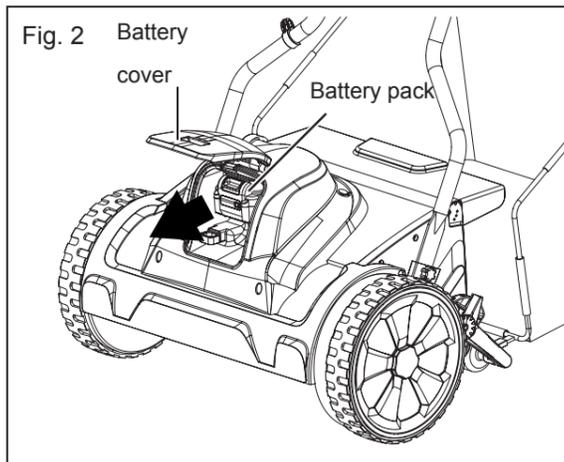
Install The Battery Pack

Open the battery compartment cover of the reel mower. Slide in the battery pack until it locks with an audible "click". Verify it is securely installed.

Remove The Battery Pack

Open the battery compartment cover, and push the push lock buttons on the battery to pull the battery pack out from the battery compartment (See Fig. 2).

Fig. 2



ASSEMBLY

WARNING! Do not insert the battery and the safety key until assembly is complete. Failure to comply could result in accidental starting and serious personal injury.

WARNING! Before performing any maintenance, make sure the battery and the safety key are removed from the unit. Failure to heed this warning could result in serious personal injury.

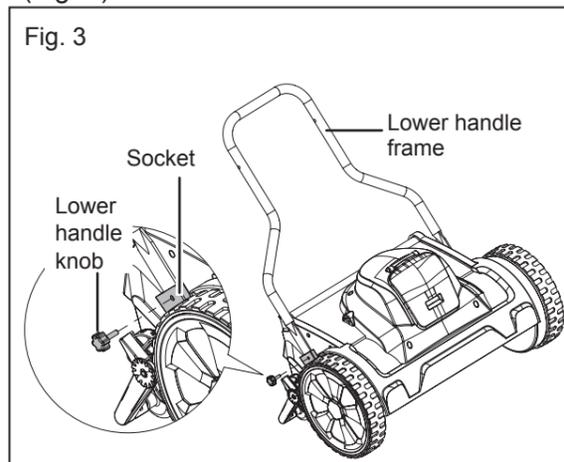
WARNING! The product must be fully assembled before operation. Do not use a product that is only partially assembled or assembled with damaged parts.

NOTE: Before using the reel mower, follow these instructions to assemble the appliance.

Handle Assembly

1. Insert the ends of the lower handle frame into the sockets on both sides of the mower base. Lock with the lower handle knobs provided (Fig. 3).

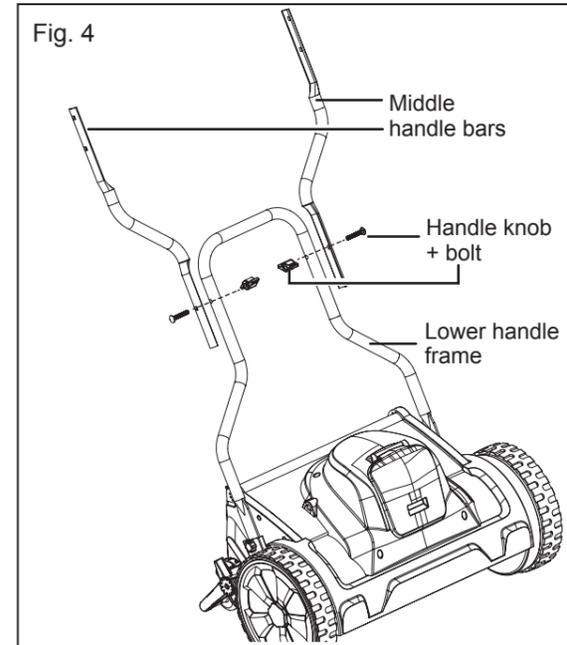
Fig. 3



2. Fit the middle handle bars on both sides of the lower handle frame, aligning the holes. Secure with two sets of handle knobs and bolts (Fig. 4).

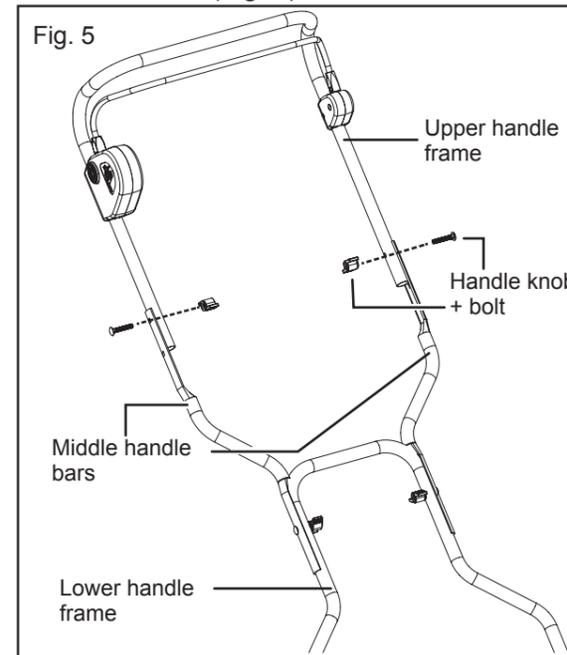
NOTE: Each middle handle bar has 2 holes on the top and the bottom. Adjust the handle assembly to the optimal position by aligning with the hole at the desired height.

Fig. 4



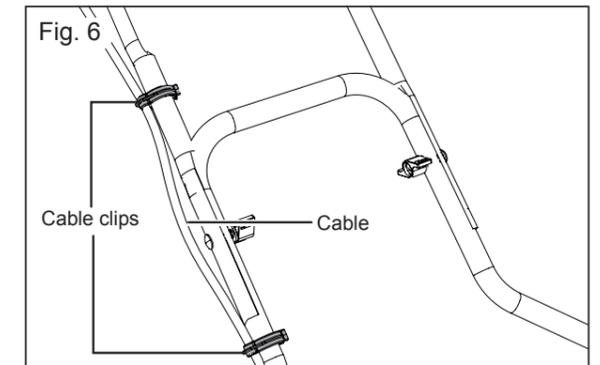
3. Fit the upper handle frame on both middle handle bars, as shown, aligning the holes. Secure with the remaining two sets of handle knob and bolt (Fig. 5).

Fig. 5



4. Secure the cable with the two cable clips, as shown (Fig. 6)

Fig. 6

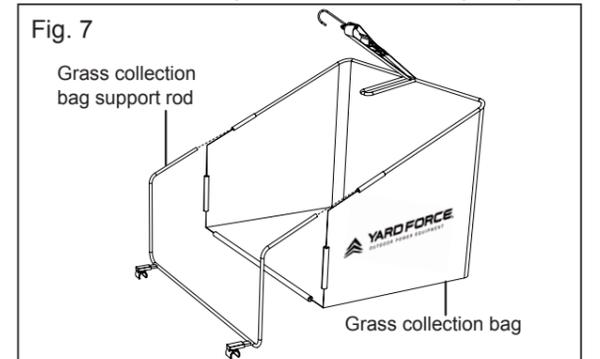


Grass Collection Bag Assembly + Fitting

The grass collecting bag prevents grass clippings being thrown across your lawn as you mow.

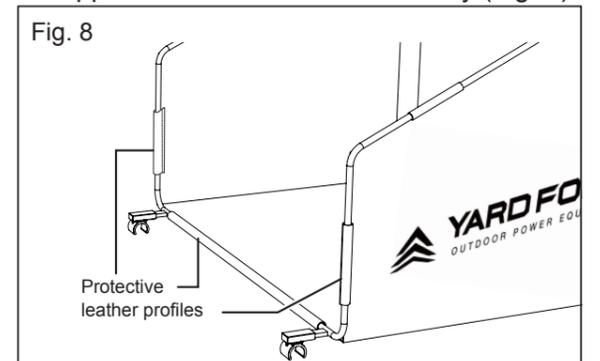
1. Fit the grass collection bag support rod into the tube of the grass collection bag (Fig. 7)

Fig. 7

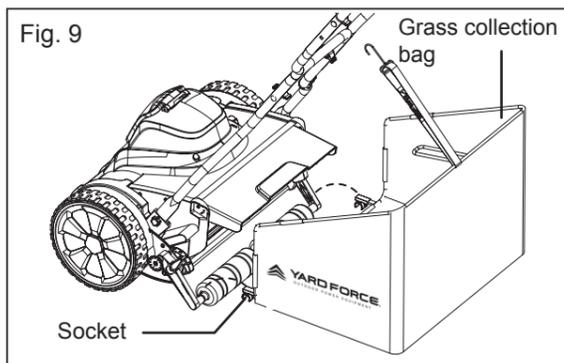


2. Clip the protective leather profiles onto the support rod to secure the assembly (Fig. 8).

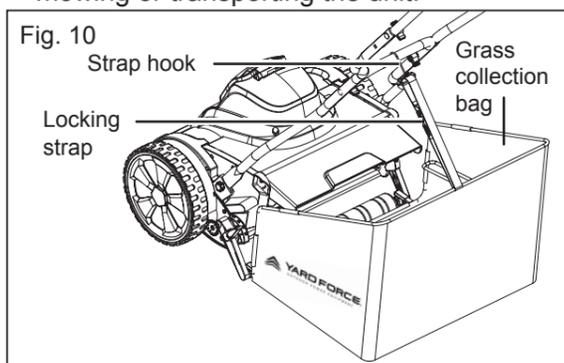
Fig. 8



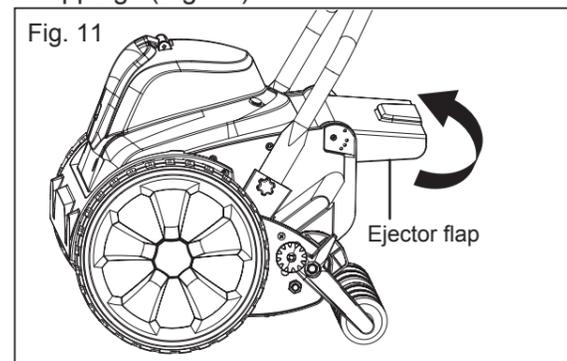
3. Lift the ejector flap to the highest position, and assemble the grass collection bag onto the mower by hooking the sockets to both ends of the roller bar shaft (Fig. 9).



- Hook the strap hook of the grass collection bag on the center bar on the lower handle frame (Fig. 10). Adjust the strap to an appropriate height so that the grass collection bag does not rub against the ground while mowing or transporting the unit.



- The mower can be used without the grass collection bag. When the grass collection bag is not attached, adjust the ejector flap to a suitable position to shield flying grass clippings (Fig. 11).



OPERATION

This reel mower is intended for private residential use to cut grass in small lawns and gardens. This reel mower is not intended to cut grass in public parks, playing fields, farms, or forests. Do not use this reel mower for any application other than that for which it is intended.

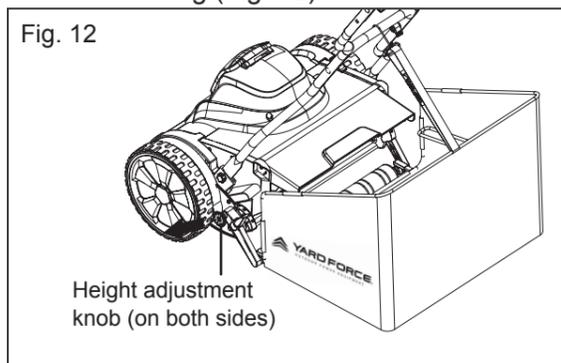
Adjusting the Cutting Height

This cordless reel mower is equipped with a 4-position height adjustment system to tailor grass cutting heights from 0.6 inch to 2.0 inch. To change the cutting height of the grass, follow the instructions below.

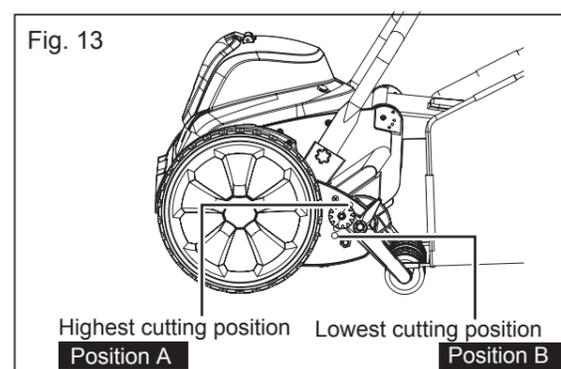
WARNING! Before making these adjustments, remove the battery and the safety key from the lawn mower and wait until the rotating blades have come to a complete standstill.

ALWAYS FOLLOW ALL SAFETY PRECAUTIONS AND RECOMMENDATIONS LISTED PREVIOUSLY IN THIS MANUAL.

- Power off the reel mower and remove the battery and the safety key.
- To adjust the cutting height, pull out the height adjustment knobs on both sides of the reel mower frame and insert the knobs to the desired setting (Fig. 12).



- To adjust the reel to the highest cutting position, place the adjustment knobs through the top hole (position A) located on the sides of the reel mower frame. To adjust the reel to the lowest cutting position, place the adjustment knobs through the bottom hole (position B) located on the sides of the frame (Fig. 13).

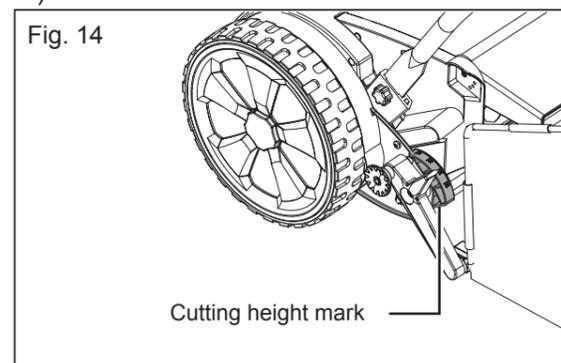


- Other cutting heights are achieved by moving the adjustment knobs to the settings between the highest and lowest positions. Refer to the mark beside the height adjustment knobs when adjusting the cutting height (Fig. 14).

4-Position Height Adjustment:

- Low: 0.6 in. (15 mm)
- Medium: 1.0 in. (28 mm)
- Medium: 1.5 in. (39 mm)
- High: 2.0 in. (50 mm)

The cutting height tolerance is +/- 0.12 in. (3 mm).

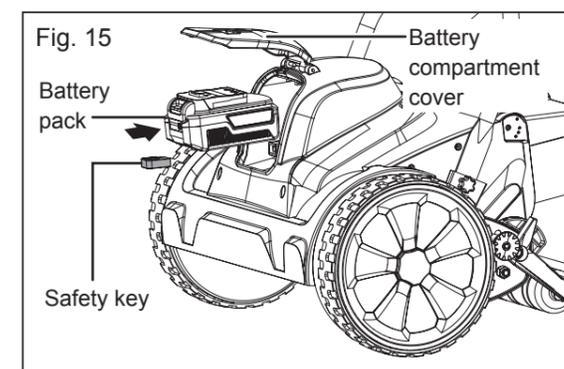


Starting + Stopping

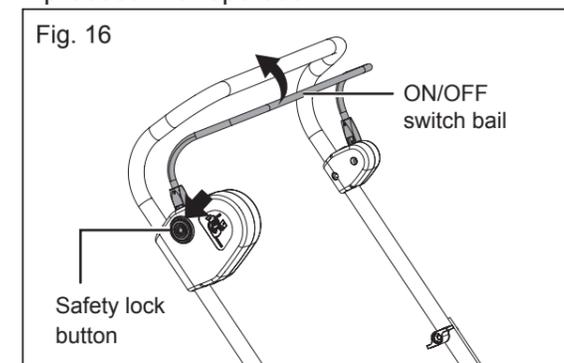
WARNING! Before switching on the reel mower, make sure that it is not in contact with any foreign objects. Keep your hands and feet a safe distance away from the rotating mower blades and the ejector opening. Failure to comply with these warnings can result in severe personal injury.

IMPORTANT: Do not start the reel mower in tall grass.

- Make sure the unit's On/Off switch bail is not squeezed on. Insert the battery and the safety key in their slots (Fig. 15). Close the battery compartment cover.



- To start the machine, press and hold the safety lock button, then pull the On/Off switch bail toward you (Fig. 16). Once the machine powers on, release the safety lock button and proceed with operation.



- To stop the mower, release the On/Off switch bail.

WARNING! The mower blade will continue to rotate for a brief period after the unit has been switched off. Do not tilt or carry the unit while the motor is still running and do not touch the blade while it is still rotating. Failure to comply could result in severe personal injury.

Mowing Tips

WARNING! Inspect the area prior to mowing and remove all the stones, sticks, wires and other foreign objects that could be picked up and thrown by the rotating blade. Failure to comply not only will damage the mower blade, but can also lead to serious personal injury.

- Be sure to check the blades periodically for signs of wear and replace them at least once per year, as described in the maintenance section.

NOTE: Sharp blades will greatly enhance the performance of the reel mower, especially when cutting tall grass.

- When cutting thick grass, reduce your walking speed in order to allow for a more effective cut and a proper discharge of the clippings. For a healthy lawn, always cut off one-third or less from the total length of the grass. The average lawn should be approximately 1.5 in. to 2 in. (3.8 cm to 5 cm) long during cool months, and more than 2 in. (5 cm) long during hot months. If there is growth, the lawn should be cut in the fall.
- The lawn will look better if it is always cut to the same height and in alternate directions.
- When crossing any gravelled surfaces, release the On/Off switch bail to turn off the mower. The stones can be picked up and thrown by the rotating blade.
- Set the mower to the highest cutting height when mowing on uneven ground or in tall weeds.

WARNING! If you strike a foreign object, stop the motor and remove the battery. Thoroughly inspect the mower and repair any damage before resuming work.

- Switch off the motor before emptying the grass collection bag. Always ensure that a safe distance (provided by the length of the long handles) is maintained between the user and the mower housing. Be especially careful when mowing and changing direction on slopes and inclines.
- Maintain a solid footing and wear sturdy, non-slip footwear and long trousers. Always mow across an incline (not up and down).
- Use special caution when backing up and pulling the reel mower towards you as such maneuvering of the machine poses a tripping hazard.
- 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 length, ideally no more than 1.5 in. 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! Before cleaning, repairing, or inspecting the reel mower, stop the machine, disconnect the safety key and the battery. Verify that all moving parts have come to a complete stop.

General

- Always keep the reel mower clean and free of grass, dirt, or other debris.
- Keep the handles dry, clean, and free of oil and grease.
- After each cutting session, remove accumulated grass clippings and debris using either a dry cloth or hand brush. You may also clean the equipment with a damp cloth. Do not use cleaning agents or harsh solvents as they may damage the equipment's plastic components. Make sure that no water penetrates the equipment's interior as intake of water can destroy the switch mechanism and the electric motor.
- Do not clean the reel mower with running water, particularly with high-pressure water.
- Check all nuts, bolts, and screws for proper tightness before each use.
- Frequently inspect the grass collection bag for signs of wear and replace immediately with a genuine Yard Force part if damage is found.
- Replace excessively worn or damaged parts immediately.

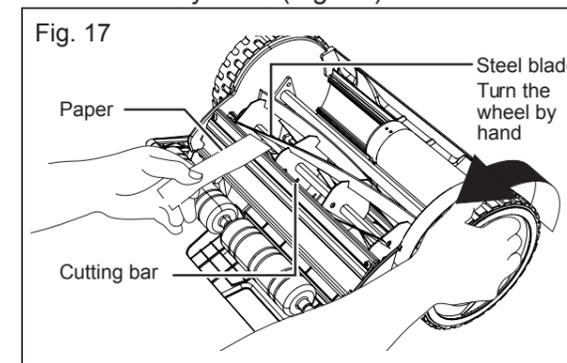
Lubrication

All of the bearings in this product are lubricated with a sufficient amount of high grade lubricants for the life of the unit under normal operation conditions. Therefore, no further lubrication of the bearings is needed.

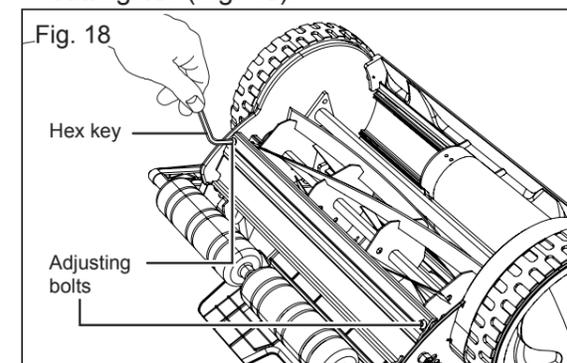
Ensuring a clean cut

WARNING! The steel blades are extremely sharp. To avoid injury, do not touch the blades while making adjustments. Misalignment of the blades can occur, which often results from blades that are either too loose or too tight. This can cause an uneven cut or difficulty pushing the mower.

1. Place the mower on a flat surface. Remove the handles and the grass collection bag. Turn the mower upside down to expose the blades and the cutting bar.
2. Insert a piece of paper between the steel blades and the cutting bar, then slowly turn the wheel by hand (Fig. 17).



3. All the blades should slice the paper evenly along the entire length of the cutting bar while the wheel is turned smoothly. Repeat this testing on the other side of the mower.
4. If the mower cuts the paper intermittently, use the hex key wrench provided to tighten the adjustment bolt closest to where the intermittent cut was observed. Tighten the bolt on the appropriate end of the cutting bar by turning it clockwise approximately 1/8th of a turn until the steel blade contacts the cutting bar (Fig. 18).



5. If it becomes too difficult to move the wheel by hand while adjusting the reel blades, back off the adjustment bolt slightly by turning it counterclockwise. Test again with a new piece of paper to verify proper cutting action.
6. Make the same adjustment at the other end of the cutting bar.

WARNING! Both adjustment bolts should have tension on final adjustment. Do not overtighten the adjustment bolts as this could damage the blades.

NOTE: If you have any questions, please call the Yard Force Support Center toll-free at (866) 902-9690 for assistance.

Cleaning and Storage

1. Clean the exterior of the machine thoroughly using a soft brush and cloth before storing. Do not use water, solvents, or polishes.
2. Turn the mower on its side to clean the blade area.

WARNING! Do not place your hands inside or near the cutting area. If grass cuttings are compacted in the blade area, remove them using a wood or plastic cleaning tool appropriate for blade cleaning.

3. Store the mower in a dry place. Do not place other objects on top of the mower during storage.

Maintenance Tips

Reel mowers are relatively low maintenance. For consistent cutting, follow the below instructions:

- Always keep the cutting blades properly adjusted. Refer to the instruction manual for further directions.
- Regularly clean and lubricate cutting edges with light spray oil.

IMPORTANT! Reel mowers have difficulty cutting tall weeds, such as dandelions, and will often bend, rather than cut, such weeds. Cut often to prevent this.

Disposal

Recycling the tool

- Do not dispose of electrical appliances as unsorted municipal waste. Use separate collection facilities.

- Contact your local government agency for information regarding the collection systems available.
- If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.
- When replacing old appliances with new ones, the retailer is legally obligated to take back your old appliance for disposal at least free of charge.

Recycling + Disposal

The product comes in a package that protects it against damage during shipping. Keep the package until you are sure that all parts have been delivered and the product is functioning properly. Recycle the package afterwards or keep it for long-term storage.



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

Battery Caution + Disposal

Always dispose of your battery pack according to federal, state, and local regulations. Contact a recycling agency in your area for recycling locations.

CAUTION! Even discharged battery packs contain some energy. Before disposing, use electrical tape to cover the terminals to prevent the battery pack from shorting, which could cause a fire or explosion.

WARNING! To reduce the risk of injury or explosion, never burn or incinerate a battery pack even if it is damaged, dead or completely discharged. When burned, toxic fumes and materials are emitted into the surrounding atmosphere.

1. Batteries vary according to device. Consult your manual for specific information.
2. Install only new batteries of the same type in your product (where applicable).
3. Failure to insert the battery in the correct polarity, as indicated in the battery compartment or manual, may shorten the life of the batteries or cause batteries to leak.

4. Do not mix old and new batteries.
5. Do not mix Alkaline, Standard (Carbon-Zinc) or Rechargeable (Nickel Cadmium, Nickel Metal Hydride, or Lithium-Ion) batteries.
6. Do not dispose of batteries in fire.
7. Batteries should be recycled or disposed of as per state and local guidelines. Service + Support If your Yard Force cordless reel mower requires service or maintenance, please call the Yard Force Support Center toll-free at (866) 902-9690 for assistance.

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TROUBLESHOOTING

- Remove the battery and the safety key before carrying out maintenance on the machine or when checking that its parts are in proper working order.
- To avoid unnecessary hassles, consult the following table before contacting a qualified repair person with any mechanical issues.

Fault	Possible Cause	Remedy
Mower fails to start	a) The safety key is not inserted	a) Insert the safety key
	b) The battery is flat	b) Charge the battery
	c) The battery is not inserted securely	c) Attach the battery pack to the mower; press it until you hear a click.
	d) The motor/blade control is disengaged	d) Press safety lock button first , then the On/Off switch lever
	e) The mower deck is clogged with grass or debris	e) Clean the mower deck. Make sure the blade is free to move
	f) The grass is too tall	f) Set the mower to a high cutting height. Lift the front wheels slightly by pressing down on the handle bar.
Mower stops while mowing	a) The battery is flat	a) Charge the battery
	b) The grass is too tall	b) Reset the cutting height
	c) The mower deck is clogged with grass or debris	c) Clean the mower deck. Make sure the blade is free to move
	d) The battery or the mower circuitry is too hot	d) Cool down the battery and the machine
The mower cannot cut grass evenly	a) The lawn is rough or uneven	a) Adjust cutting height
	b) The blade is not sharp enough	b) Sharpen or replace the blade
The mower is difficult to push	a) The grass is too tall to cut	a) Adjust cutting height higher
	b) The blade or the mower rear is dragged by heavy grass	b) Tighten the adjusting bolts
	c) Too much tolerance between the steel blades and the cylinder	
The mower is vibrating at high speed	a) The motor shaft is bent	a) Stop the motor, remove the battery, and inspect the damage. Contact with a qualified repair person.
	b) The blade is unbalanced	b) Balance the blade by grinding each cutting edge equally or replace a new one
	c) The adjusting bolts are loose	c) Tighten the adjusting bolts

Only a company specialist may be able to correct faults that cannot be rectified with the aid of this table. Please call the Yard Force customer service center at (866) 902-9690.

WARRANTY

Product Warranty

Please keep your original purchase receipt in a safe place as proof of purchase.

Warranty coverage for this product must be verified by the original purchase receipt.

The warranty period begins on the day that the product was purchased from an authorized retailer of Yard Force products. Warranty coverage only applies to the original purchaser and is not transferrable.

Warranty coverage is only provided on products purchased from authorized Yard Force retailers.

Warranty only applies to products purchased and OPERATED in the USA. Any product purchased or operated outside of the USA is not covered by any warranty.

(1) Two-Year Warranty - Yard Force Outdoor Power Equipment

The Yard Force Outdoor Power Equipment has a Two-Year Limited Warranty from the date of purchase against manufacturer defects for residential use only. Commercial use voids the warranty. This warranty does not cover accidental damage, unreasonable use, normal wear and tear, neglect or non-compliance with the Operating, Safety and Maintenance Instructions. All service, outside of normal maintenance as described in this manual, must be done by an authorized service technician. Any unauthorized service or changes to the original configuration of this product will void the warranty. All parts and accessories used on and with this product must be manufactured and/or authorized by Merotec Inc.

(2) Ninety-Day Warranty – Accessories

The accessories included with the machine including blade and other similar parts are warranted against manufacturer defects for residential use only for a period of 90 days from date of purchase.

Warranty does not cover loss of use or other consequential damages arising from any of the above, nor does it cover repairs made or attempted by unauthorized persons.

This warranty is void if the product is used for commercial, rental or industrial purposes.

Certain parts, attachments and accessories are subject to normal wear and tear and are excluded from the warranty.

Service and Warranty Claims Process

Contact the Yard Force Support Center toll-free at **(866) 902-9690 Monday-Friday between 8:30 AM and 5:00 PM Eastern Time** for service and warranty support.

Yard Force Service Support agents can help you troubleshoot problems over the phone to get you back up and running as quickly as possible. In the situation where service or warranty inspection is needed, please follow these steps:

1. Call Yard Force at **(866) 902-9690 Monday-Friday between 8:30 AM and 5:00 PM Eastern Time**.
2. Send in proof-of-purchase and serial number (if applicable) to confirm warranty Coverage as directed by Yard Force.
3. If service or a warranty evaluation is requested, Yard Force will provide an RGA number that should be used in all communications with Yard Force and is required to be indicated on the product itself and on the outside of the box.
4. All shipments to Yard Force must have an RGA number. Any shipment received that does not have an RGA number clearly marked on the outside of the box will be refused.
5. All shipments must be sent pre-paid, Yard Force does not pay for any shipping costs for service or warranty evaluation. Yard Force is not responsible for any packages that are lost by carrier. We recommend that shipments are made by a carrier that provides tracking and delivery confirmation.

For more information or to ask questions, please call toll-free **(866) 902-9690 Monday-Friday between 8:30 AM and 5:00 PM Eastern Time**.

SAVE THESE INSTRUCTIONS



1-866-902-9690



support@merotecusa.com

Need Help?

Please do not return the product to the place of purchase yet. We're here to help and take care of all your needs.

Contact our Customer Care Center in Atlanta, GA for help with:

- Product assembly or use
- Missing or damaged parts
- Troubleshooting

You can also visit our website to download owner's manuals and get additional product information. Visit www.YardForceUSA.com, or call our toll free hotline: 1-866-902-9690 M-F 8:30am – 5:00pm ET

Merotec Inc.

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Made in China at a SUMEC manufacturing facility.

MADE IN CHINA