



**YARD FORCE**<sup>®</sup>  
OUTDOOR POWER EQUIPMENT

**Model: Y0LMX21P300**

## **21" CORDLESS PUSH LAWN 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 from our facility.*

*For immediate help with assembly, or for additional product information, visit [www.YardForceUSA.com](http://www.YardForceUSA.com) or email [support@MerotecUSA.com](mailto:support@MerotecUSA.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.*

### TABLE OF CONTENTS

Description of product parts.....	3
Technical specifications .....	5
Intended use .....	5
Safety Information .....	6
Assembly.....	12
Adjustment .....	15
Operation .....	16
Maintenance and Storage .....	21
Trouble shooting .....	23
Warranty .....	24

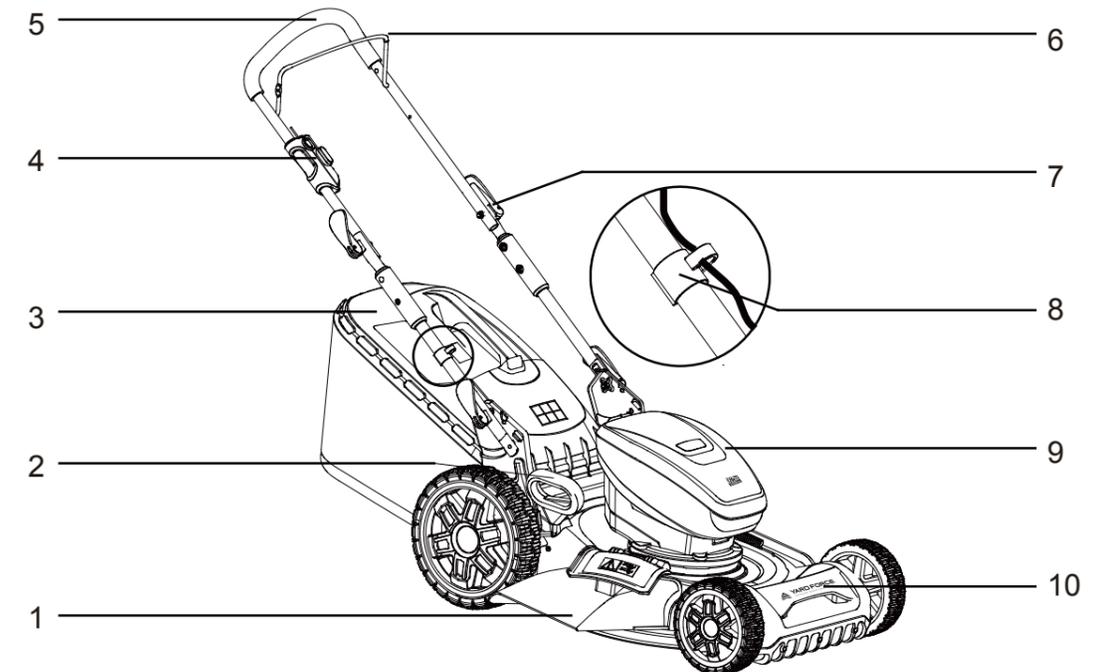
1. For safe operation, read and understand the instruction manual.
2. To reduce the risk of electric shock, do not expose to water or operate on wet ground.
3. Replace damaged parts immediately.
4. Disconnect and remove battery prior to servicing.
5. Remove the battery pack before servicing or removing blade.
6. Do not reach under blade guard. Go across slopes, not up and down. Do not operate within 100 ft. of people or animals.
7. Do not mow when children or others are around. Keep safety devices (guards, shields, switches etc. in place and working.
8. Look down and behind before and while moving backwards.
9. Remove objects that could be thrown by the blade.
10. To reduce the risk of eye injury, wear safety glasses.
11. Meet CPSC blade safety requirements.
12. Use only SUMEC 120V Li-ion battery Y0L120BAT2.5 and SUMEC battery charger Y0L120CGR.

### DESCRIPTION OF PRODUCT PARTS

#### PARTS LIST (See Fig. 1)

1. Side discharge chute
2. Cutting height adjustment handle
3. Grass bag
4. Safety lock button
5. Upper handle
6. Blade-Stop/Start lever
7. Handle quick release lever
8. Cable clip
9. Power head
10. Front carry handle

Fig. 1



#### NOTICE!

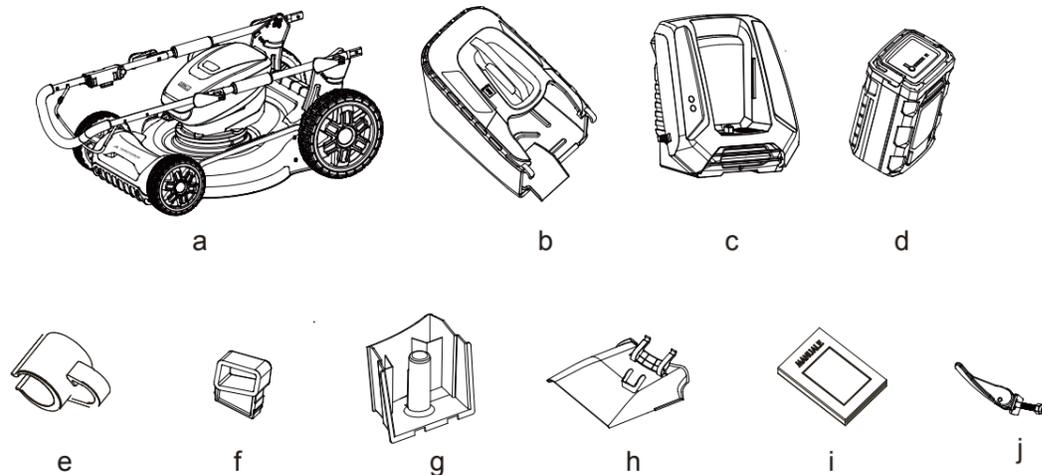
1. Remove everything from the bag except the lawn mower.
2. Open carton completely by cutting each corner from top to bottom.
3. Remove the lawn mower from carton.

## DESCRIPTION OF PRODUCT PARTS

### DELIVERY LIST (See Fig.2)

- a. Main mower x 1
- b. Grass bag x 1
- c. Charger x 1
- d. Battery pack x 2
- e. Cable clip x 1
- f. Safety key in power head x 1 (Pre-assembled)
- g. Munching Plug in mower x 1 (Pre-assembled)
- h. Side discharge chute x 1
- i. Manual x 1
- j. Handle quick release lever x 2

Fig. 2



Carefully remove the machine and parts from its packaging. Identify all the parts packaged in the carton against the parts list. Please contact our customer service center (Monday - Friday 8:30AM - 5:00PM ET) at (866) 902-9690 if anything is missing.

**WARNING!** If any parts are damaged or missing, do not operate this tool until the missing parts are replaced. Failure to heed this warning could result in serious personal injury.

**NOTE!** Always recycle the packaging in accordance with local recycling laws.

## TECHNICAL SPECIFICATIONS

### PARTS AND DIAGRAM LIST

Item No.	Y0LMX21P300
Voltage/Capacity	120 V DC / 2.5 Ah Li-ion
Deck Size	21 "
Cutting Size	20 "
Cutting Height	7 positions: 1 1/4 -3 3/4 in.
Cutting area	Up to 1100 sqm
Grass Bag Capacity	2 Bushels
No-load Speed	3200 RPM
Booster Function	3500 RPM
Wheel Size	8" Front / 12" Rear
Weight	85 Lbs
Charger	Input: 100~120 V, 50/60 Hz, Output: 120 V DC, 4A
Charging Time	40 Minutes
Battery Pack Type	Y0L120BAT2.5
Adapter Type	Y0L120CGR

## INTENDED USE

This cordless lawn mower is intended for use in maintaining residential lawns only.

The machine is to be used only for its prescribed purpose, any other use is deemed to be a case of misuse. The user/operator and not the manufacturer will be liable for any damage or injuries of any kind caused as a result of this.

Please note that our equipment has not been designed for use in commercial, trade or industrial applications. Our warranty will be voided if the machine is used in commercial, trade or industrial businesses or for equivalent purposes.

## SAFETY SYMBOLS

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

**WARNING!** Be sure to read and understand all safety instructions in this Operator's Manual, including all safety alert symbols such as "DANGER," "WARNING," and "CAUTION" before using this tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious personal injury.

### SAFETY INSTRUCTIONS

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



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



Do not open or remove safety shields while engine is running.



Keep bystanders away.



Look behind while backing.



Steep slope hazard.



Severing of toes or fingers rotary mower blade.



Thrown or flying objects whole body exposure.



Remove disabling device before maintenance.



Requirement of wearing ear protection, eye protection and gloves when using the product.



Do not expose and operate the tool in rain.



Wait until all machine components have completely stopped before touching them. The blades continue to rotate after the machine is switched off, a rotating blade can cause injury.

## SAFETY INSTRUCTIONS

### WARNING SYMBOLS ON THE BATTERY PACK



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



Do not throw into water.



Do not litter to fire.



Do not subject the battery to strong sunlight over long periods and do not leave it on a heater (max. 113 °F).



Batteries contain Li-ion. Waste batteries should be sorted for ecofriendly. Do not dispose of waste batteries as unsorted municipal waste.

### WARNING SYMBOLS ON THE CHARGER



The charger is for indoor use only.



Double insulation.



Protective 6.3 A limited.



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

## SAFETY INSTRUCTIONS

### SAFETY RULES FOR LAWN MOWER IMPORTANT SAFETY INSTRUCTIONS

#### READ ALL INSTRUCTIONS BEFORE USING MOWER

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

1. Avoid Dangerous Environment - Don't use lawn mowers in damp or wet locations.
2. Don't Use in Rain.
3. Keep Children Away - All visitors should be kept a safe distance from work area.
4. Dress Properly - Do not wear loose clothing or jewelry. They can be caught in moving parts. Use of rubber gloves and footwear is recommended when working outdoors.
5. Use Safety Glasses - Always use face or dust mask if operation is dusty.
6. Use the right tool - Do not use lawn mower for any job except that for which it is intended.
7. Don't Force Lawn Mower - It will do the job better and safer at the rate for which it was designed.
8. Don't Overreach - Keep proper footing and balance at all times.
9. Stay Alert - Watch what you are doing. Use common sense. Do not operate lawn mower when you are tired.
10. Disconnect battery pack when not in use, before cleaning or servicing, when changing accessories such as blades, and the like.
11. Store lawn mower indoors when not in use. Lawn mower should be stored in an indoor, dry and locked place - keep out of reach of children.
12. Maintain Lawn Mower with Care - Keep cutting edges sharp and clean for best and safest performance.
13. Follow instructions for lubricating and changing accessories.
14. Keep handles dry, clean, and free from oil and grease.
15. Keep guards in place and in working order.
16. Keep blades sharp.
17. Keep hands and feet away from cutting area.
18. Objects struck by the lawn mower blade can cause severe injuries to persons. The lawn should always be carefully examined and cleared of all objects prior to each mowing.
19. If lawn mower strikes a foreign object, follow these steps:
  - 1) Stop lawn mower. Release the switch.
  - 2) Unplug battery pack.
  - 3) Inspect for damage.
  - 4) Repair any damage before restarting and operating the lawn mower.
20. Use identical replacement blades only.
21. Use only genuine spare parts. Only these spare parts are designed and suitable for the product. The use of other spare parts not only voids the warranty, but also endanger yourself and your environment.

#### SAVE THESE INSTRUCTIONS

##### Training

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

## SAFETY INSTRUCTIONS

### Preparation

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

### General Operation

1. Use the tool only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
2. Operate the product only in daylight or in good artificial light.
3. Do not expose tool and charger to rain or wet conditions. Water entering a tool or charger will increase the risk of electric shock.
4. Avoid operating the product in wet grass.
5. Always be sure of your footing on slopes.
6. Walk, never run.
7. For wheeled rotary mowers, mow across the face of slopes, never up and down.
8. Exercise extreme caution when changing direction on slopes.
9. Do not mow excessively steep slopes.
10. Use extreme caution when reversing or pulling the product towards you.
11. Stop the blade(s) if the appliance has to be tilted for transportation when crossing surfaces other than grass, and when transporting the product to and from the area to be mowed.
12. Never operate the appliance with defective guards or shields, or without safety devices, for example deflectors and/or grass catchers, in place.
13. Switch on the motor carefully according to instructions and with feet well away from the blade(s).
14. Do not tilt the product when switching on the motor, except if the product has to be tilted for starting. In this case, do not tilt it more than absolutely necessary and lift only the part, which is away from the operator. Always ensure that both hands are in the operating position before returning the appliance to the ground.
15. Do not start the machine when standing in front of the discharge opening.
16. Do not put hands or feet near or under rotating parts. Keep clear of the discharge opening at all times.
17. Do not transport the product while the cutting blade is running.
18. Switch off and remove the key/battery pack from the machine. Make sure that all moving parts have come to a complete stop.
  - whenever you leave the product,
  - before clearing blockages or unclogging chute,
  - before checking, cleaning or working on the product,
  - after striking a foreign object. Inspect the product for damage and make repairs before restarting and operating the product;
19. If the product starts to vibrate abnormally (check immediately)
  - inspect for damage,
  - replace or repair any damaged parts,
  - check for and tighten any loose parts.
20. Use only with the battery packs and chargers listed below:

Battery pack	Charger
YOL120BAT2.5	YOL120CGR

## SAFETY INSTRUCTIONS

### SPECIAL OPERATION SAFETY FOR THE CHARGER

1. Recharge only with the charger specified by the manufacturer. Do not use the original charger on other li-ion batteries or on any other type of battery—fire or explosion may occur.
2. Check the battery charger, cable and plug each time before using. Do not use the battery charger when defects are detected. Do not open the battery charger yourself and have it repaired only by qualified personnel using original spare parts.
3. The charger is designed to use standard household 100-120 V, 50/60 Hz power source. The charger's plug must match the outlet. Never modify the plug in any way. Unmodified plugs and matching outlets will reduce risk of electric shock.
4. Do not abuse the cord of charger. Never use the cord for carrying, pulling or unplugging the charger. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
5. Make sure the charger cord is located so that it will not be stepped on, tripped over, or otherwise subjected to damage or stress.
6. Keep the battery charger clean. Contamination may cause the danger of electric shock.
7. Protect the battery charger from rain and moisture. The penetration of water in a battery charger increases the risk of electric shock.
8. Do not operate the battery charger on easily inflammable surfaces (e.g. paper, textiles, etc.) or in combustible environments. There is danger of fire due to the heating of the battery charger during charging.
9. The temperature range over which the battery pack can be charged is typically 41° F to 113° F. Therefore, charging efforts outside the prescribed temperature range may automatically be blocked by the protection circuitry of the battery pack. Longest life and best performance can be obtained if the battery pack is charged in the normal room condition.
10. Disconnect charger from the power supply when not in use. This will reduce the risk of electric shock or damage to the charger if metal items should fall into the opening.
11. The charger is for indoor use only.

### SPECIAL OPERATION SAFETY FOR THE BATTERY PACK

1. The Li-ion battery pack is not fully charged at the factory. Before attempting to use it, the battery must be fully charged first.
2. The battery pack should be recharged when it fails to produce sufficient power on jobs which were easily done previously. DO NOT CONTINUE using product with its battery in a depleted condition.
3. Do not charge the battery in an air temperature below 41° F or above 113° F. This is important and will prevent serious damage to the battery. Longest life and best performance can be obtained if the battery is charged when air temperature is about 68 °F.
4. When the machine continues to be used and the battery temperature is above 113° F, the battery can not be charged, even you put on the charger. Let the machine cool for some times and wait the temperature reduced, it can be charged again.
5. Protect the battery pack against heat, e.g. including against continuous sun exposure and fire. There is a danger of explosion.
6. Do not carry individual battery packs in your pockets or bags, as they could short-circuit against other metal items.
7. If an exposed li-ion battery pack does start a fire, it will burn even more violently if it comes into contact with water or even the moisture in the air. DO NOT throw water on a burning li-ion battery! A fire extinguisher must be used.
8. If the battery pack becomes too hot to the touch during charging, disconnect and switch off immediately. Contact at 866-902-9690.
9. Do not open the battery yourself. There is danger of a short circuit.
10. When battery pack is not in use, keep it away from other metal objects, like paperclips, 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.

## SAFETY INSTRUCTIONS

### MAINTENANCE AND STORAGE

1. Keep all nuts, bolts and screws tight to be sure the product is in safe working condition.
2. Check the grass collector frequently for wear or deterioration.
3. Be careful during adjustment of the product to prevent entrapment of the fingers between moving blades and fixed parts of the product.
4. Always allow the product to cool down before storing.
5. When servicing the blades, be aware that even though the power source is switched off, the blades can still be moved.
6. Replace worn or damaged parts for safety. Use only genuine replacement parts and accessories.
7. DO NOT attempt to open the charger and battery pack. There is no customer serviceable parts inside. Return to any authorized service center.
8. Store the appliance with battery pack fully charged at the room temperature (around 68° F).
9. Every deep discharge cycle decrease the capacity of battery pack. To prolong battery life, recommend to charge the battery every 6 months, which over extended periods of time without use.

### Service

- a) Have your tool repaired by an authorized service agent. This tool is manufactured in accordance with the relevant safety regulations. To avoid danger, equipment must only be repaired by qualified technicians.
- b) Only use parts and accessories made for this machine by the manufacturer. Failure to do so can result in personal injury.

### RESIDUAL RISKS

Even if you are operating this product in accordance with all the safety requirements, potential risks of injury and damage remain. The following dangers can arise in connection with the structure and design of this product:

- Health defects resulting from vibration emission if the product is being used over long periods of time or not adequately managed and properly maintained.
- Injuries and damage to property due to broken application tools or the sudden impact of hidden objects during use.
- Danger of injury and property damage caused by flying objects.

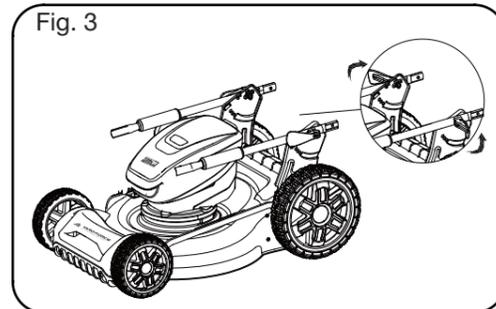


**WARNING!** This product produces an electromagnetic field during operation! This field may under some circumstances interfere with active or passive medical implants. To reduce the risk of serious or fatal injury, we recommend persons with medical implants to consult their doctor and the medical implant manufacturer before operating this product!

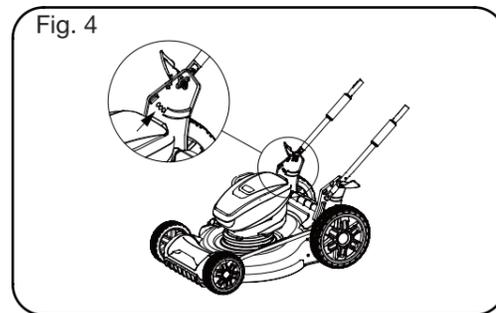
## ASSEMBLY

### UNFOLD THE HANDLE

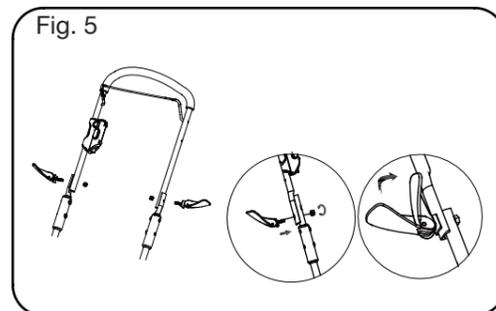
1. Rotate the handle quick release levers to release the operation handle (Both sides). (See Fig. 3)



2. Rotate the handle and then position the lower handle lock pin into the mower bracket - one of the three angle positions (Both sides). (See Fig. 4)
3. Lock the handle in place by closing the handle quick release levers- make sure that the handle is securely locked in position (Both sides). (See Fig. 4)



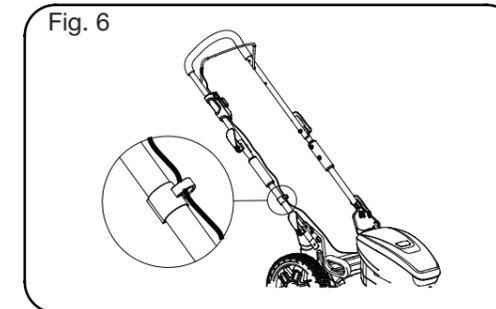
4. Assemble the upper handle (Fig. 5)  
Lift the upper handle, and lock in place using the handle tension knob and tensioning bolts. Ensure the lower and upper handles are firmly connected. A wrench is needed to tighten the nut.



## ASSEMBLY

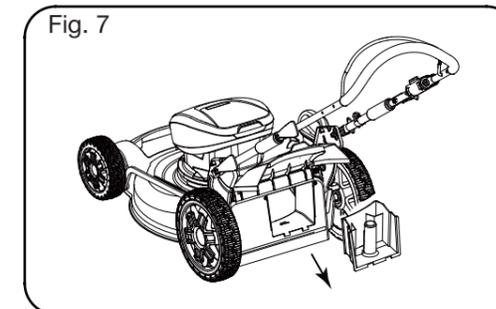
### Check the cable clips fitting

Make sure the cable clips fits on upper handle securely and the cable into the cable clips. (See Fig. 6)

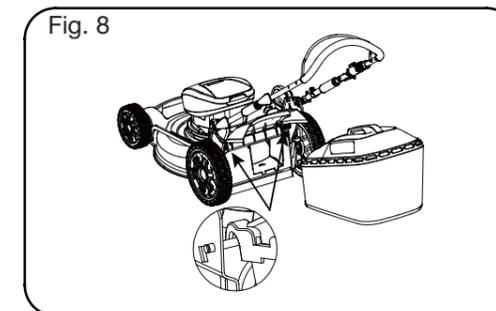


### Fit grass bag onto the mower

1. Lift the rear flap and remove the pre-assembled mulching plug from the machine. (See Fig. 7)



2. Insert the grass bag onto the hooks. Release the rear flap to secure the grass bag in position. (See Fig. 8)



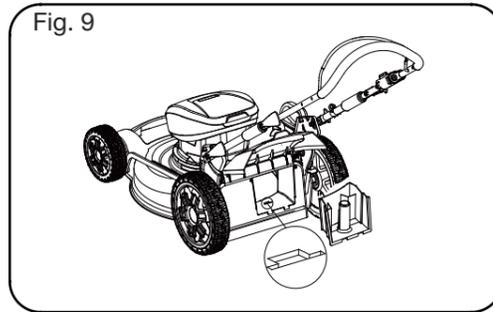
### Installing the mulching plug



**NOTE:** Switch off the tool and make sure that the blade has stopped completely. Then remove the battery completely.

## ASSEMBLY

1. Lift the rear flap with one hand and push the mulching plug into the rear discharge chute until it is locked in place. Make sure that the mulching plug is locked in position. (See Fig. 9).

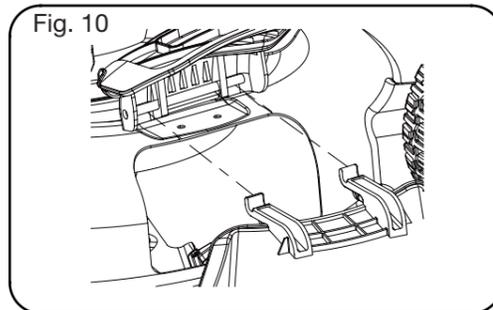


2. Release the rear flap, it will close back to cover the mulching plug.
3. If you want to remove the mulching plug, hold the handle of the mulching plug, press down the hook with your finger, meanwhile lift it upward slightly and pull it out.

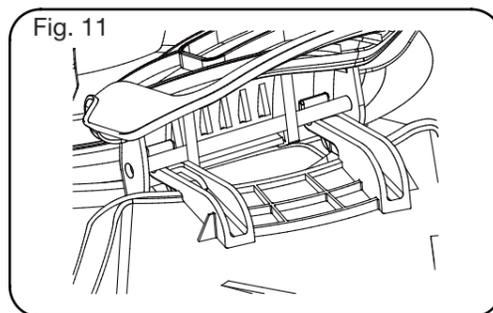
### Installing the side discharge chute

**NOTE:** Switch off the tool and make sure that the blade has stopped completely. Then remove the battery completely.

1. The mulching plug should be installed as described above.
2. Lift the side discharge cover with one hand and hook in the side discharge chute with the other hand. (See Fig. 10)



3. Release the side discharge cover to secure the chute in position. (See Fig. 11)



## ASSEMBLY

### Set required function

**WARNING!** Before changing any accessory, switch off the tool and make sure that the blade has stopped completely. Then remove the battery completely.

**NOTE:** his lawn mower has three functions. These functions can be converted by changing accessory setting as described above. Please see the following chart for detail.

	Mulching plug	Grass bag	Side discharge chute
Collection*	×	√	×
Mulching *	√	×	×
Side Discharge *	√	×	√

“√”: installed “×”: uninstalled

\* The following information:

Collection: the grass has been cut and collected by grass bag.

Mulching: mulch the grass, by cutting into small pieces which then degrade and fertilize the lawn.

Side discharge: the grass has been cut and distributed to the side of the machine.

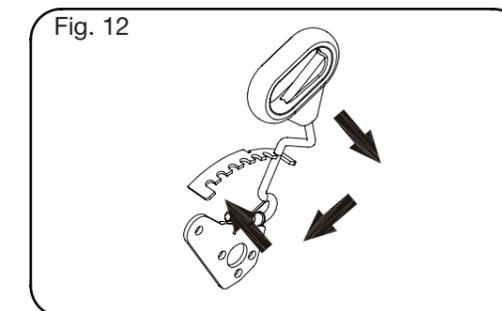
## ADJUSTMENT

**WARNING!** Never operate the cutting height adjustment handle roughly. Switch off the tool and make sure that the blade has stopped completely.

### Adjust the cutting height

The cutting height is centrally adjusted by the cutting height adjustment handle. Different cutting heights can be selected as follows:

1. Pull the adjusting handle outwards. (See Fig. 12)



2. Move it forwards or backwards to select the desired cutting height.
3. Return adjusting handle back into plate. Make sure the lever is secured in position. From position 1 to position 7, the cutting height ranges from 1 1/4 - 3 3/4 in.

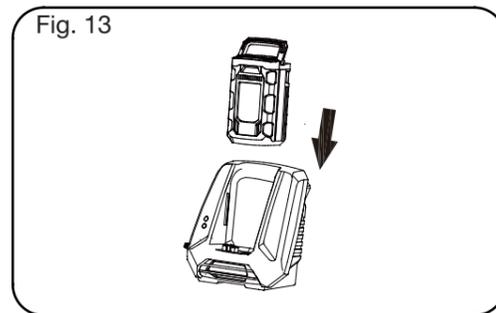
## OPERATION

### CHARGING THE BATTERY PACK (Fig. 13)



#### NOTE:

- 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.

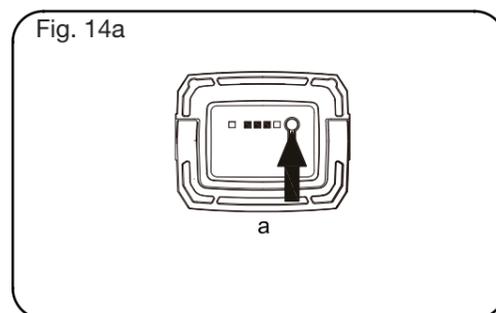


1. Connect the charger to a power supply. The red LED light on the charger will be on.
2. To insert the battery pack into the charger, align the grooves on the battery pack with the raised ribs in the opening of the charger. Then press the battery pack downward with moderate force. (There is a carrying handle at the top of the battery pack. Lift the handle up for easy-transporting.)
3. Once the battery pack is correctly located in the charger, the green LED light of the charger will flash continuously during normal charging, while the red LED light is still on.
4. When charging is complete, both the green and red LED lights of the charger will be on.
5. If you encounter one of following situations, the red LED light of charger will flash.

- Wrong communication. This refers to poor connection between charger and battery pack.
- Fault with battery pack. The battery pack will need to be returned to customer service center for repairs.

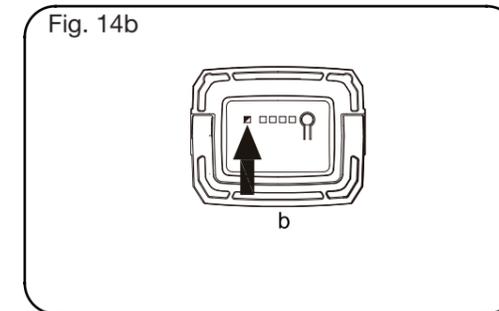
### BATTERY PACK OPERATION (See Fig. 14)

1. When you push the power indicator button, the green LED lights will show the power remaining. (see Fig. 14 a)

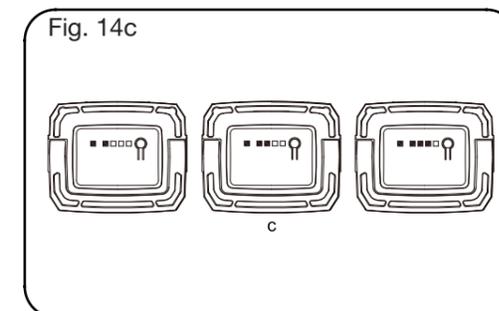


## OPERATION

2. When the battery pack over discharges or remains very low power, the red LED light will flash. (see Fig. 14 b)
3. When the battery pack temperature is exceeded, the red LED light will flash. Cool it down for 10-20min. (see Fig. 14 b)
4. When there is fault with the battery pack, the red LED light will flash. (see Fig. 14 b)

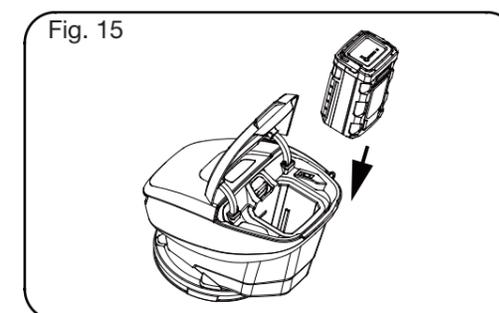


5. Once the battery pack is correctly located in the charger, the 4 green LED lights of the battery pack will flash LED lights to indicate the charging process. At the same time the green LED light of the charger will flash continuously during normal charging, while the red LED light is still on. (see Fig. 14 c)



### TO INSERT THE BATTERY PACK

1. Open the battery pack cover and hold it in place. (See Fig. 15)



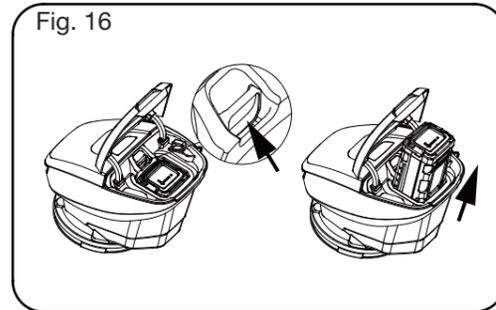
2. Align the groove on the battery pack with the corresponding ribs in the receptacle of the device.
3. Depress the battery pack with moderate force until it was locked in place (Make sure that the battery handle is folded down).
4. Close the cover.

## OPERATION

WARNING: Make sure that the tool is "POWER OFF".

### TO REMOVE THE BATTERY PACK FROM THE TOOL

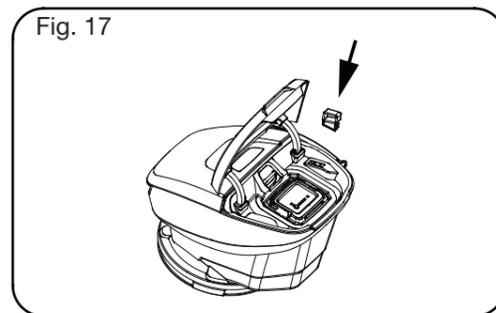
1. Open the battery pack cover and hold it in place.
2. Press the battery pack release button, the battery pack will spring out automatically. (See Fig. 16)



3. Lift up the carrying handle and remove the battery pack.

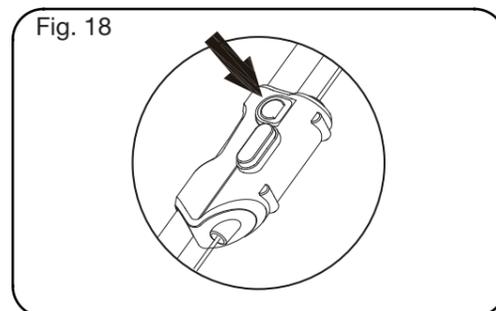
### SAFETY KEY

The machine is fitted with a safety key this prevents the accidental start up of your cordless lawnmower. The safety key has been designed to totally disable the lawnmower when the key is removed. (See Fig. 17)



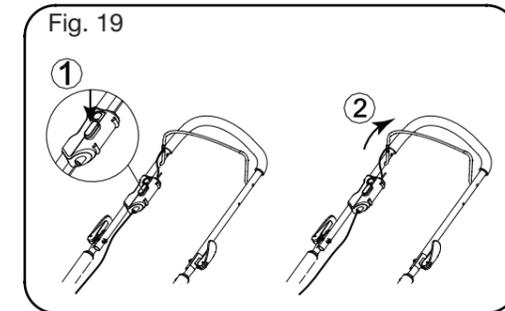
### TO SWITCH ON:

1. Depress the center of the power ON/OFF button and hold down for 2 seconds- The green LED light will be ON. This means the tool is powered on normally. (See Fig. 18)

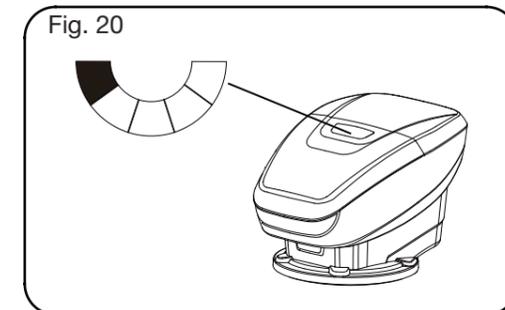


## OPERATION

2. Depress the safety lock button and keep it in place. Whilst pulling the blade-Stop/ Start lever towards the handle and hold it in position. The motor will start to work, blade will rotate. Then release the safety lock button. (See Fig. 19)



3. During the normal operation, the indicators on the power head will shine accordingly to show the remaining capacity of battery pack. (See Fig. 20)



4. During the normal operation, once the capacity of battery pack becomes low, the LED light of Power ON/OFF button will turn red.



### CAUTION!

1. Do not start the motor in tall grass.
2. Before starting the lawn mower, ensure that the battery pack and safety key are correctly installed in place.
3. Before operating the lawn mower, remove stones, loose pieces of wood and other objects from the cutting area.

### TO SWITCH OFF:

1. Release the blade-Stop/Start lever.
2. Depress the center point of power ON/OFF button, and hold it in place for 2 seconds. The LED light will turn RED. Release the power button. The LED light will flash three times then turn off.
3. When mower is powered ON but there is no operation for 3 minutes, the LED light of power button will flash for 3 seconds then the mower will be powered off automatically.



### WARNING:

The blade will continue to rotate for 3-5 seconds after the mower has been switched off.

## OPERATION

### OPERATE THE LAWN MOWER

Operation on a slope:

Slopes are a major factor related to slip-and-fall accidents, which can result in severe injury.



**WARNING:** Always be sure of your footing on slopes. Operation on slopes requires extra caution. If you feel uneasy on a slope, do not mow it.

#### DO:

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

#### DO NOT:

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

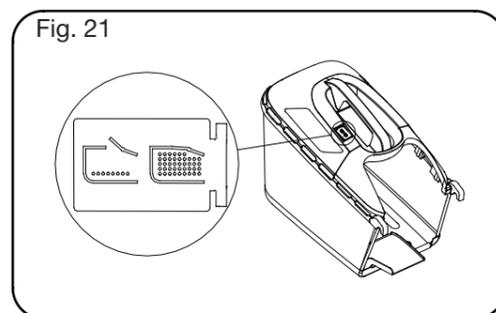
### MOWER OVERLOAD PROTECTION

To prevent overload conditions, do not try to cut too much grass at one time. Slow down your cutting pace or raise the cut height. Your mower has built-in overload circuit protection. When the mower is overloaded, the motor will stop. Switch the mower OFF and remove the battery. Check to see if grass has collected beneath the deck and clear it if necessary, then restart the mower.

### BATTERY HIGH TEMPERATURE PROTECTION

The battery pack will generate heat during operation. The heat dissipates more slowly in hot weather. If the battery temperature exceeds more than 158° F during operation, the protection circuit will immediately turn off the mower to protect the battery pack from damage. Release the bail handle, wait until the battery pack cools down, then restart the mower.

### FUNCTION OF GRASS BAG FULL INDICATOR (See fig. 21)



1. If the grass bag is empty or it is not filled with grass, the grass full indicator will open.
2. If the grass bag is filled with grass the grass full indicator will close.

## OPERATION

### EMPTYING THE GRASS BAG

When the grass bag full indicator starts to close during grass cutting, it is time to empty the grass bag.



**NOTE:** before taking off the grass bag, switch OFF the power and wait until the blade has come to a stop.

1. To take off the grass bag, use one hand to lift up ejector flap and the other to grab onto the carry handle. The ejector flap automatically falls down after removing the grass bag and closes off the rear chute opening.
2. Empty the grass debris in the grass bag, and refit grass bag.



**NOTE:** If any grass residue is caught in the discharge chute, clean it using a brush. Do not remove grass debris in the discharge chute or on the blade by hand or with your feet. Instead use suitable tools such as a brush or broom. To ensure that the cut grass can be collected into grass bag, the discharge opening and inside the discharge chute must be cleared of any blockage.

## MAINTENANCE AND STORAGE



**WARNING!** Before performing any maintenance or cleaning work, always ensure that the battery pack/safety key has been removed and wait until the blade has stopped completely and the tool has cooled down.

### CLEANING

#### Cleaning the product

- Use a soft brush to remove any accumulated dust and debris. Wear safety glasses to protect your eyes whilst cleaning.
- Wipe down the product enclosure with a slightly damp cloth. Do not spray the unit with water. Exposure to water may destroy the switch unit and the electric motor.

### MAINTENANCE



**NOTE:** Always wear gardening gloves when handling or working near the sharp blades.

- 1) Keep all nuts, bolts and screws tight to be sure that the machine is in safe working condition.
- 2) Check the grass bag frequently for wear or deterioration.
- 3) Examine the machine and replace worn or damaged parts for safety.

### REMOVING/INSTALLING THE BLADE

1. Using a wrench of correct size locate on the blade bolt nut.
2. wearing heavy gloves hold the blade fixed and turn the wrench anti-clockwise and remove the bolt.
3. Fitting the replacement blade correctly with marking facing up and align pegs correctly then fit the bolt and retighten the bolt securely to torque 36- 43 Ft. Lb.



**WARNING!** Replace or re-sharpen the mowing blade at the end of the mowing season. Always have the mowing blade re-sharpened or replaced by a customer service center (measurement of imbalance). Unbalanced blades will cause the lawn mower to vibrate violently-risk of accident!

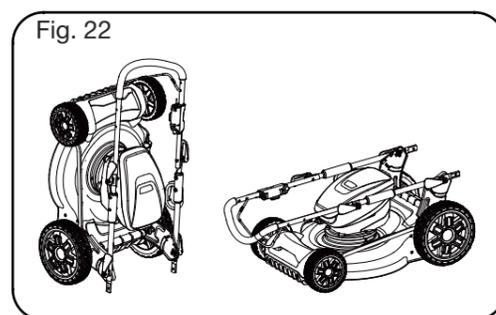
## MAINTENANCE AND STORAGE

### BATTERY MAINTENANCE:

Use the following procedures to enable optimum usage of the battery:

1. Protect the battery against moisture and water.
2. Store the battery only with in a temperature range from 32° F to 113° F. As an example, do not leave the battery in the lawn mower in direct sunlight.
3. Clean the battery occasionally with a soft, clean and dry brush.
4. If you do not use the product for a long time, please charge and discharge the battery pack once every 6 months.

### STORAGE AND TRANSPORT (See fig. 22)



After cleaning the unit thoroughly, store it in a dry room and allow the motor to cool down.

1. Release the Handle Quick release levers, and fold the handles down.
2. Position the lower handle lock pin into the mower bracket. Lock the handles in place by closing the Quick release handle.

**NOTE:** Remove the safety key and battery packs. Ensure cables are not trapped when folding/unfolding the handle. If stored vertically –Make sure it is position in a corner so that the blade is facing inwards to a wall and it is secure to prevent accidentally falling over.

### TRANSPORT

Use the original packaging to ship whenever possible.

## TROUBLE SHOOTING

**WARNING!** Before performing any repair work, always ensure that the battery pack/safety key has been removed and wait until the blade has stopped completely and the tool has cooled down.

**WARNING!** Always wear heavy duty gloves when adjusting or cleaning, especially when handling sharp objects.

Fault/malfunction	Cause	Remedy
Mower fails to start	Safety key is not inserted	Insert safety key
	Battery is not correctly inserted	Remove the battery and reinsert
	Mower standing in high grass	Start motor on shorter grass or already mowed area ;change cutting height if necessary
	The mower housing is clogged	Clean housing so that the blade can move freely
	Battery has no power	check and recharge battery
Mower stops working /loses power	Cutting height is improper	Adjust the cutting height
	Discharge chute/ housing is blocked	Clean the discharge chute/ housing
	Cutting blade is worn or damaged	Replace with New blade from dealer service center
	Battery performance decreasing Mower Overloaded -Red light displayed switch box	Check the battery performance and charge it if necessary Wait until reset occurs – Green light displayed on switchbox
Grass bag is not filled sufficiently	Cutting height is too Low	Adjust and increase cutting height
	The lawn / grass is wet	Allow the lawn to dry
	Discharge chute/ housing is blocked	Clean the discharge chute/ housing
	Underside of the mower deck is clogged.	Clean the underside of the mower deck
Mower vibrating at higher speed	Cutting blade is unbalanced	Balance the blade by grinding each cutting edge equality
	Blade is Loosened /incorrectly fitted	Tighten the blade bolt
Mower does not mulch properly	Cutting height set to low Deck has wet grass on underside of deck	Adjust cutting height Clean underside of deck and wait until grass is dry
Mower cuts unevenly	The blade is damaged Blade is assembled incorrectly	Sharpen the blade or replace Re-assemble blade correctly

# 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) Limited warranty

This Yard Force product is warranted against defects in material or workmanship. Defective products will be repaired at no-charge (excluding shipping)

FOR THREE YEARS from the date of original retail purchase, the Yard Force 120vRX battery pack and charger are warranted against defects in material workmanship. Defective products will be repaired at no-charge (excluding shipping).

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., a SUMEC company.

### (2) Ninety-Day Warranty – Accessories

The accessories included with the mower including blade, side discharger chute and mulching plug, 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



[www.ForceToolsUSA.com](http://www.ForceToolsUSA.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 service department for help with:**

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

You can also visit our website for typical FAQ's, downloadable troubleshooting steps and instructional videos. Replacement parts and accessories can be purchased at [www.ForceToolsUSA.com](http://www.ForceToolsUSA.com), or call our toll free hotline: 1-866-902-9690 M-F 8:30am – 5:00pm ET

Merotec Inc.

3655 Kennesaw North Industrial Parkway, Kennesaw, GA 30144  
Copyright © 2019 Merotec Inc.

Made in China at a SUMEC manufacturing facility

**MADE IN CHINA**