



**Cordless Lawn Mower
Operators' Manual**

Model: MNA192211

2018

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Customer Service: 855-790-9771

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KNOW YOUR LAWN MOWER

Read this manual carefully, observing the recommended safety instructions before, during and after using your lawn mower. Following these simple instructions will also maintain your lawn mower in good working order. Familiarize yourself with the controls on your mower before attempting to operate it, but above all, be sure you know how to stop your mower in an emergency. Retain this user manual and all other literature with your mower for future reference.

1. SYMBOLS MARKED ON THE PRODUCT



Read this instruction book carefully before using the lawn mower and keep it in a safe place for future reference.



Keep bystanders away.



Beware of sharp blades. Blades continue to rotate after the motor is switched off.



Switch off isolator key before adjusting, cleaning and before leaving the product unattended for any period.



The charger is intended for indoor use only.



Wear hearing and eye protection



The machine is protected against splashing water from any direction.



Do not expose to rain.



Do not operate on inclines greater than 15°.Mow across the face of slopes,never up and down.



Electric shock hazard.



Wait until all machine components have completely stopped before touching them.

Accumulator Disposal:

Old Accumulators and batteries must not be added to household waste, but should be disposed of in accordance with the applicable legislation.

Take unusable rechargeable batteries to the dealer's or community's battery collection point.

Disposing of the packaging:

The packaging is made of cardboard and separately labeled foil which is also recyclable.

Take these materials to a recycling centre.

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The packaging is made of cardboard and separately labeled foil which is also recyclable.

- Take these materials to a recycling center.



Noise level marking
Your tool noise is not more than 92dB.

SAFETY ALERT SYMBOL: Indicates caution or warning may be used in conjunction with other symbols or pictures.

2. GENERAL SAFETY RULES

The purpose of the safety rules is to attract your attention to possible dangers. The safety symbols and the explanations with them, require your careful attention and understanding. The safety warnings do not by themselves eliminate any danger. The instruction or warnings they give are not substitutes for proper accident prevention measures.

WARNING: Failure to obey a safety warning can result in serious injury to yourself or to others. Always follow the safety precautions to reduce the risk of fire, electric shock and personal injury. Save owners manual and review frequently for continuing safe operation and instructing others who may use this tool.

WARNING: This machine 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 physician and the medical implant manufacturer before operating this machine.

WARNING: The operation of any tool can result in foreign objects being thrown into your eyes, which can result in eye damage. Before beginning power tool operation, always wears safety goggles or safety glasses with side shields and a full-face shield when needed. We recommend Wide Vision Safety Mask for use over eyeglasses or standard safety glasses with side shield.

IMPORTANT READ CAREFULLY BEFORE USE. KEEP FOR FUTURE REFERENCE.

- 1) Read the instructions carefully. Be familiar with the controls and the proper use of the equipment;
- 2) Never allow children or people unfamiliar with these instructions to use the lawnmower. Local regulations can restrict the age of the operator
- 3) Never mow while people, especially children, or pets are nearby;
- 4) Keep in mind that the operator or user is responsible for accidents or hazards occurring to other people or their property.
- 5) While mowing, always wear substantial footwear and long pants. Do not operate the equipment when barefoot or wearing open sandals; Avoid wearing clothing that is loose fitting or that has hanging cords or ties.
- 6) Thoroughly inspect the area where the equipment is to be used and remove all objects which can be thrown by the machine.
- 7) Before using, always visually inspect to see that the blades, blade bolts and cutter assembly are not worn or damaged. Replace worn or damaged blades and bolts in sets to preserve balance. Replace damaged or unreadable labels.
- 8) Mow only in daylight or in good artificial light.
- 9) Avoid operating the equipment in wet grass, where feasible.
- 10) Always be sure of your footing on slopes.
- 11) Walk, never run while mowing.
- 12) For wheeled rotary machines; mow across the face of slopes, never up and down.
- 13) Exercise extreme caution when changing direction on slopes.
- 14) Do not operate on inclines greater than 15°.Mow across the face of slopes, never up and

down.

- 15) Use extreme caution when reversing or pulling the lawnmower towards you.
- 16) Stop the mower if the lawn mower has to be tilted for transportation when crossing surfaces other than grass, and when transporting the lawn mower to and from the area to be mowed.
- 17) Never operate the lawnmower with defective guards, or without safety devices, for example deflectors and/or grass catchers, in place.
- 18) Start or switch on the motor carefully according to instructions and with feet well away from the blades.
- 19) Do not tilt the lawnmower when starting it.
- 20) Do not start the motor when standing in front of the discharge chute.
- 21) Do not put hands or feet near or under rotating parts, Keep clear of the discharge opening at all times.
- 22) Never pick up or carry a lawnmower while the motor is running;
- 23) Stop the motor and switch off isolator key. Make sure that all moving parts have come to a complete stop:
 - whenever you leave the machine;
 - before clearing blockages or unclogging chute;
 - before checking, cleaning or working on the lawnmower;
 - after striking a foreign object. Inspect the lawnmower for damage and make repairs before restarting and operating the lawnmower.
- If lawnmower starts to vibrate abnormally (check immediately):
 - inspect for damage;
 - replace or repair any damage parts;
 - check for and tighten any loose parts.
- 24) Stop the mower whenever you leave the lawnmower.
- 25) Keep all nuts, bolts and screws tight to be sure the equipment is in safe working condition.
- 26) Check the grass catcher frequently for wear or deterioration.
- 27) Replace worn or damaged parts for safety.
- 28) Children are not allowed to use the machine.
- 29) This mower is not intended for use by persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

- 30) Be careful during adjustment of the machine to prevent entrapment of the fingers between moving blades and fixed parts of the machine.
- 31) Always allow the machine to cool before storing.
- 32) After use and before storage, remove the battery from the machine and check for damage.
- 33) When servicing the blades be aware that, even though the power source is switched off, the blades can still be moved.
- 34) Replace worn or damaged parts for safety; Use only genuine replacement parts and accessories.
- 35) Be careful during adjustment of the appliance to prevent entrapment of the fingers between moving blades and fixed parts of appliance.
- 36) Recharge only with the charger specified by the manufacturer . Using a charge with an incompatible battery pack may create a risk of fire.
- 37) Use power tools only with specifically designated batteries .Use of any other batteries may create a risk of injury and fire.
- 38) When battery pack is not in use ,keep it away from other metal objects like ,paper clips ,coin, 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.
- 39) Under abusive conditions, liquid may be ejected from the battery:
 - 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.

Safety Advice for Rechargeable Battery and Charger

Use only the battery and battery charger provided with the lawn mower .

Protect battery and battery charger from humidity.

Do not operate the battery charger outdoors.

When mower is not in use or before cleaning and servicing, disconnect the battery charger from the power supply.

Avoid dropping battery onto any hard surface and do not subject it to pressure or any other form of mechanical stress.

Keep the battery away from extreme heat and cold.

Do not open or attempt to repair the battery or the battery charger. If any parts are defective, have

them repaired by a qualified technician or send them to our service department for repair.

Only charge the battery at an ambient (surrounding air) temperature between +45°F and +104°F.

A charged battery can be used to power the machine under ambient temperature conditions between +45°F and +104°F.

When not in use, store the battery in a dry place between 50°F and 85°F

The battery 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.

The battery is not fully charged at the factory. Before attempting to use it, it must be fully charged.

Charger Safety Rules

- Charge the battery in a dry area that is protected from the weather.
- Do not expose the charger to rain.
- Do not abuse the charge cord. Never carry the charger by the cord.
- Do not disconnect the charger from the outlet by pulling the charger cord.

⚠ Important! Danger!

Never short-circuit the battery or expose it to moisture. Do not store it together with any metal parts which could short-circuit the contacts. The battery could overheat, start burning or explode.

If any person comes into contact with acid or similar internal fluids or substances contained in the battery, wash off these substances immediately with plenty of water. If these substances make contact with the eyes, rinse with plenty of water and visit a doctor immediately.

⚠ WARNING!

Do not open the battery pack to get the battery out by yourself.

Do not place the rechargeable battery into fire or water. It can explode. The rechargeable battery should not be discarded with household waste, regardless of whether used or unused. Please recycle where facilities exist. Check locally to find a facility that accepts lithium-ion batteries

3. GENERAL IDENTIFICATION

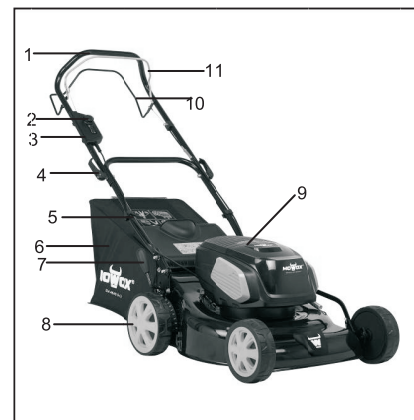


Fig.1

- | | | | |
|-----------------|--------------------------|--------------------------------|------------------|
| 1. Upper handle | 2. On-off button | 3. Switch box | 4. Locking lever |
| 5. Cable clamp | 6. Grass catcher | 7. Height adjusting lever | 8. Wheel |
| 9. Battery door | 10. Brake control handle | 11. Self-propel control handle | |

4. TECHNICAL DATA

Model:	MNA192211
Rated Voltage:	40V DC
No Load Speed:	3000min-1
Grass Catcher Capacity	60 L
Cutting Width:	19 In
Net Weight(without battery):	54 lb.
Height Adjustment :	1" – 3", 7 adjustments

Battery	Lithium-ion
Model number	MNAA84
Rated voltage	40Vd.c.
Capacity	144Wh
Number of battery	20pcs
Battery charger	
Model number	MNAA94
Input	100-120VAC,60Hz,2A
Output	40Vd.c,2A
Allowable charging temperature range	+45 - +104°F

5. ASSEMBLY

5.1 ASSEMBLE THE FOLDING HANDLE

1. Fix the lower handlebars into the unit body with a suitable spanner. (Fig.2A)
2. Lift the two locking levers to release the upper handlebars for folding. (Fig. 2B)
3. Push the locking lever closed to lock the handlebars in the operating position. (Fig.2C)
4. Adjust the tension by turning the lock nut with a suitable spanner. (Fig.2C)
5. Attach the cable clamp to the position shown and then attach the cable. (Fig.2D)



Fig.2A

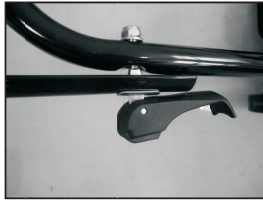


Fig. 2B



Fig. 2C

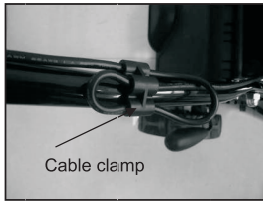


Fig. 2D

5.2 MOUNTING AND DISMOUNTING THE GRASS CATCHER

1. To fit: Raise the rear cover and hitch the grass catcher on rear of mower. (Fig.3A/3B/3C)
2. To remove: grasp and lift rear cover, remove grass catcher.

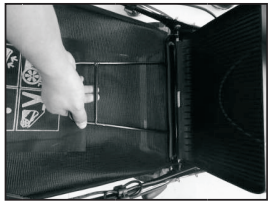


Fig.3A



Fig.3B



Fig.3C

5.3 INSERT THE BATTERY

1. Make sure the isolator key is pull out. (Fig. 4A)
2. Open the battery door. (Fig. 4B)
3. Insert the battery pack into battery holder. (Fig. 4C)
4. Make sure the latch on bottom of battery pack snaps in place and that battery pack is fully seated. (Fig.4D)
5. Close the battery door. (Fig.4E)

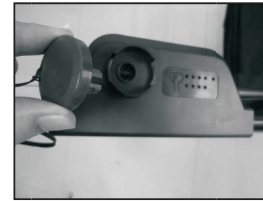


Fig. 4A



Fig. 4B



Fig.4C

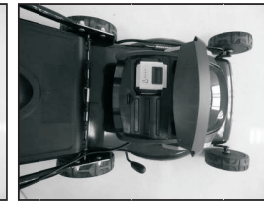


Fig.4D



Fig.4E

5.4 REMOVE THE BATTERY

1. Lift and hold up the battery door
2. Press and hold the battery latch button at the bottom of the battery pack. (Fig.5A)
3. Remove battery pack from the product. (Fig.5B)



Fig.5A



Fig.5B

6. ADJUSTMENT OF CUTTING HEIGHT

Apply outward pressure to disengage lever from rack. Move lever forward or back to adjust height. The height (the blade to the ground) can be adjusted from 1" (position 1) to 3" (position 7), 7 height positions.



Fig.6

WARNING: Make this adjustment only when the blade is stopped.

7. SAFETY PRECAUTIONS

- a) Always operate with the deflector or grass catcher in the correct position.
- b) Always stop the motor before removing the grass catcher or adjusting the height of cutting position.
- c) Before mowing, remove all foreign objects from the lawn which may be thrown by the machine. While mowing, stay alert for any foreign objects which may have been missed. (Fig.7A)
- d) Never lift the rear of the mower while starting the motor or during normal operation. (Fig.7B)
- e) Never place your hands or feet underneath the under pan or into the rear discharge chute while the motor is running. (Fig.7C)

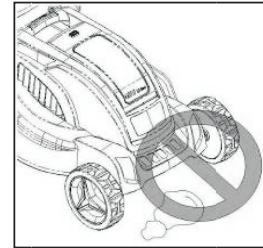


Fig.7A

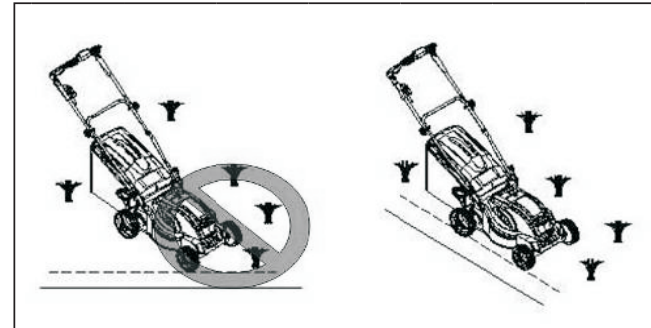


Fig.7B

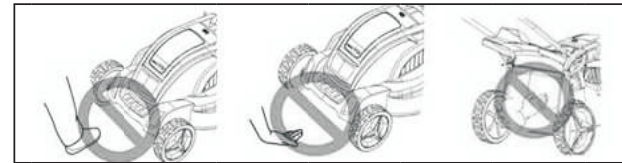


Fig.7C

8. OPERATING INSTRUCTIONS

8.1. STARTING

Start the motor as follows

1. Insert the battery as part 5.3 described.
2. Turn the isolator key from position "0" to position "1" shown as Fig.8A
3. Insert the isolator key on the upper handle (Fig.8B/8C)
4. Grasp the brake control handle and keep it engaged. Press the On-off button. (Fig.8D)
5. If you release the brake control handle, the motor will stop.



Fig.8A



Fig.8B



Fig.8C



Fig.8D

CAUTION! The blade starts turning as soon as the motor is started.

WARNING! Blades may continue to rotate after the motor is switch off.

8.2 ENGAGING SELF-PROPEL

Grip the Self-drive control handle, the lawnmower will move forward automatically with about 1.8mph. The lawnmower will stop moving once the self-drive control handle is released.

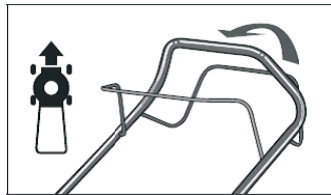


Fig.9A

CAUTION: your mower is designed to cut normal residential grass of a height no more than 9 inches.

Do not attempt to mow through unusually tall dry or wet grass or piles of dry leaves. Debris may build up on the mower deck or contact the engine exhaust presenting a potential fire hazard.

2. Adjust the tension of the self-drive control wire.

When the self-drive control wire is too loose, the self-drive control handle will be not

engage the self-drive mode. Adjust the wire using the adjuster screw (Fig.9B). Screw the adjustment screw clockwise to tension the wire. And meanwhile, rotate the nut to the position of the adjustment screw (Fig.9C)

Make sure the tension for the self-drive control wire is not too tight. If the mower starts to move without the self-drive control handle being engaged, please loosen the tension of the self-drive control wire by turning the adjustment screw counterclockwise.

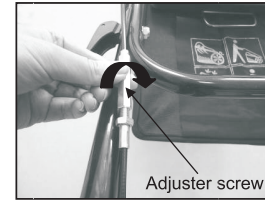


Fig.9B

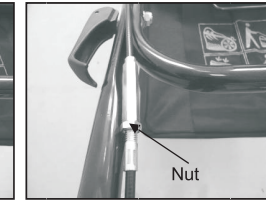


Fig.9C

8.3 LED



Fig.10

Please refer to the following table for the meaning of LED display.

Lawn mower status	Battery pack capacity indicator status (Press "POWER" button (1))
	Green light (2)
The battery pack capacity is between 75%~100%.	Four LEDs ON
The battery pack capacity is between 50%~75%.	Three LEDs ON
The battery pack capacity is between 25%~50%.	Two LEDs ON
The battery pack capacity is between 0%~25%.	One LED ON

8.4 FOR THE BEST RESULTS WHEN MOWING

Clear lawn of debris. Be sure that the lawn is clear of stones, sticks, wire or other foreign objects which could be accidentally thrown out by the mower in any direction and cause serious personal injury to the operator and others as well as damage to property and surrounding objects. Do not cut wet grass. For effective mowing do not cut wet grass because it tends to stick to the underside of the deck preventing proper mowing of the grass clippings. Cut no more

than 1/3 the length of the grass. Ground speed will need to be adjusted so the clippings can be dispersed evenly into the lawn. For especially heavy cutting in thick grass it may be necessary to use one of the slowest speeds in order to get a clean well mowed cut. When mowing long grass you may have to cut the lawn in two passes, lowering the blade another 1/3 of the length for the second cut and perhaps cutting in a different pattern than was used the first time. Overlapping the cut a little on each pass will also help to clean up any stray clippings left on the lawn. The mower should always be operated at full throttle to get the best cut and allow it to do the most effective job of mowing. Clean underside of deck. Be certain to clean the underside of the cutting deck after each use to avoid a build-up of grass, which would prevent proper mulching. Mowing leaves. The mowing of leaves can also be beneficial to your lawn. When mowing leaves make sure they are dry and are not laying too thick on the lawn.

⚠ WARNING: if you strike a foreign object, stop the motor. Switch off the isolator key, thoroughly inspect the mower for any damage and repair the damage before restarting and operating the mower. Extensive vibration of the mower during operation is an indication of damage. The unit should be promptly inspected and repaired.

9. BLADE

The blade is made of pressed steel. It will be necessary to reshape it frequently (with a grind wheel).

Ensure that it is always balanced (an unbalanced blade will cause dangerous vibrations). To check for balance, insert a round rod through the central hole and support the blade horizontally. A balance blade will remain horizontal. If the blade is not balanced the heavy end will rotate downwards. Reshape the heavy end until the blade is currently balanced. To remove the blade (1), unscrew the blade screw (2).

and replace any parts, which are damaged. When reassembling, make sure that the cutting edges face in the direction of the motor rotation. The blade screw (2) must be torque to 20N.m.

⚠ WARNING: For service, replace the blade with DAYE blade: DAYE 2105200076

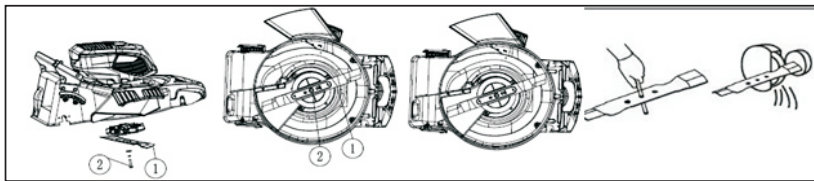


Fig.11

⚠ WARNING: Remove the battery from the machine.

⚠ WARNING: Protect hands by using heavy gloves or a rag to grasp the cutting blades when replace the blade.

10. MAINTENANCE AND CARE

⚠ Warning: Before performing any Maintenance or cleaning work, Always remove batteries and pull out the isolator key!


Do not spray the unit with water. Ingress of water may destroy the Switch-plug combination unit and the electric motor. Clean the unit with a cloth, hand brush, etc.


Expert inspection is required, do not make any adjustment by yourself. Please contact to customer service center: Number: 855-790-9771.

- if the lawn mower strikes an object.
- if the motor stops suddenly
- if the blade is bent (do not align!)
- if the motor shaft is bent (do not align!)
- if the V-belt is defective.
- Use only manufacturer's recommended replacement parts and accessories.

11. TROUBLESHOOTING

Problem	Possible cause	Possible solution
Motor does not run	Power Turned off	Turn power on
	The battery is not charged.	Charge the battery.
	Grass too long	Increase the height of cut and move machine to shorter grass to start
	Blade blocked	Remove the battery. Check under deck for jams. Remove any obstacle blocking the blade.
Motor power drops	Thermal cut out activated	Allow motor to cool
	Blade blocked	Remove the battery. Check under deck for jams. Remove any obstacle blocking the blade.
	Blade blunt or damaged	Have mowing blade sharpened /replaced
Grass catcher is not filled	Grass too short	Raise the cutting height
	Grass too wet	Allow the lawn to dry
	Blade blunt or damaged	Have mowing blade sharpened /replaced
	Grille dirty	Clean the grille on the grass catcher
Wheel drive does not function	V-belt / gears damaged	Check the V-belt / gears
	Wheels damaged	Check the drive wheels for damage
Motor runs intermittently	Thermal cut out activated	Allow motor to cool
The mower cuts the grass unevenly.	The lawn is rough or uneven,	Check the mowing area.
	The cutting height is not set properly	Increase height of cut. Move the wheels to a higher setting.
	Blade blunt or damaged	Have the blade sharpened or replaced

 **Warning:** Before performing any maintenance or cleaning work, always remove battery and pull out the isolator key! Only with a stopped motor and standstill cutter.

 **CAUTION!** Faults which can not be rectified with the aid of this table may be rectified by a specialist company only (customer service centre).

12. Warranty

This product is warranted in accordance with legal regulations for a 2 year period effective from the date of purchase by the first user.

This warranty covers all material or production failures, it does not include defects from normal wear & tear parts, such as bearings, brushes, cables, plugs or accessories like drills, drill bits, saw blades etc. ;damage or defects resulting from abuse, accidents or alterations; nor the costs for transport.

We reserve the right to reject any claim where the purchase cannot be verified or when it is clear that the product was not maintained properly. (Clean ventilation slots, carbon brushes serviced regularly)

Your receipt must be kept as proof for date of purchase.

Your fully assembled tool must be returned to your dealer in an acceptably clean state, in its original blow molded case if applicable to unit, accompanied by your proof of purchase.

13. DISPOSAL

Should your mower need replacing after extended use, please consult your local laws and regulations to ensure you dispose of mower in the proper and environmentally appropriate way.