



# Battery-Powered Mower

## *Safety & Operating Instructions*

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Model: CE6.3

**UPDATED  
MAY 2010**



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**! WARNING!**

Read and understand this manual and all instructions before operating this Mower.

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## Conventions used in this Manual

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### **WARNING!**

This indicates a hazardous situation, which, if not avoided, *could result in death or serious injury.*

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### **CAUTION!**

This indicates a hazardous situation, which, if not avoided, *could result in minor or moderate injury.*

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### **NOTICE**

This information is important in the proper use of your mower. Failure to follow this instruction could result in damage to your machine or property.

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### **TIP**

This is a helpful hint to guide you in getting the most out of your NEUTON Mower.

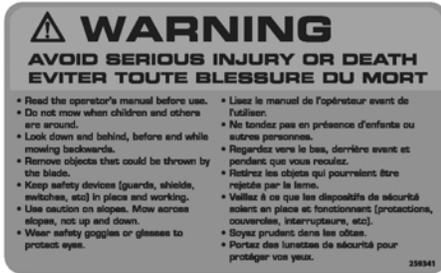
**NOTE:** *This information may be helpful to you in using your Mower.*

**Tools Needed:** This indicates you will need a special tool to perform a maintenance function on your Mower.

Neuton Power Equipment reserves the right to discontinue, change, and improve its products at any time without notice or obligation to the purchaser. The descriptions and specifications contained in this manual were in effect at printing. Equipment described within this manual may be optional. Some illustrations may not be applicable to your machine.

# Chapter 1: Important Safety Considerations

We want you to enjoy years of safe and productive use from your NEUTON Battery-Powered Mower. We do not want you injured, so please take a few moments to read the following instructions for safely operating your new Machine.



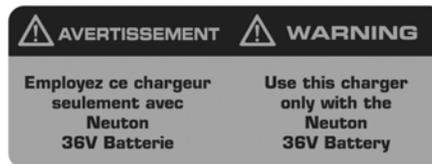
WARNING Label (259341)



WARNING Label (259281)



Danger Label (237761)



Battery Charger WARNING Label (259351)

## Protecting Yourself and Those around You

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

### **! WARNING!**

This cutting machine is capable of amputating hands and feet, and throwing objects. Failure to observe the following safety instructions could result in serious injury or death.

- Be sure the area is clear of other people before mowing. Never allow children, other bystanders, or pets in your work area when operating the Mower. Stop the machine if anyone enters the area.
- Only allow responsible individuals who have a thorough understanding of these instructions to operate the Mower. Never allow children to operate the machine.
- Before and while pulling the machine backwards, look behind and down for small children and for secure footing. Be sure to shut off the Motor before pulling the machine backwards.
- Use extra care when approaching blind corners, shrubs, trees, or other objects that may obscure your vision.
- If you are ever unsure about an action you are about to take, please do not do it.

## Dressing Appropriately

### **! WARNING!**

- Always wear protective goggles or safety glasses with side shields when using your NEUTON Mower to protect your eyes from possible thrown objects. Use a face or dust mask when operating in dusty conditions.
- Wear shoes with non-slip treads when using your machine. If you have safety shoes, wear them. Do not use the Mower while barefoot or wearing open sandals.
- Wear long pants while mowing.

## Preparing to Use Your Mower

### **WARNING!**

- Read, understand, and follow all instructions on the machine and in the manual. Be thoroughly familiar with the controls and the proper use of the Mower before starting.
- Never operate the NEUTON Mower without the proper guards, safety switches, or other safety and protective devices in place and properly connected. Inspect the machine and cutting blade to determine proper installation of these devices, and they are in good repair, and operate properly. If the condition or operation of these devices is questionable, you must repair them or replace them before using the machine.
- Follow the instructions for the proper installation and operation of accessories. Use only accessories approved by the manufacturer. Do not alter any aspect of the Mower, Attachments, or Accessories in any way. Modifying or changing your Mower or its Attachments and Accessories in any way could cause personal injuries and property damage, and will void your warranty.
- Thoroughly inspect the area where you will be using the Mower, and remove all stones, lawn toys, wire, bones, sticks, pet supplies, and any other foreign objects which could be picked up and thrown by the Mower blade. Objects struck by the Mower Blade can cause severe injuries. Also, note the location of holes, ruts, bumps, stumps, and other possible hazards to avoid.
- Never turn the Mower over while the motor is running. The Blade may throw objects or come loose and cause injury.
- Mow only in daylight or in an area well lit by artificial light.
- Do not charge the Mower battery in wet or rainy conditions.

## Operating Your Mower Safely

Your Mower can operate as a Discharging, Mulching, or Bagger Mower. Learn how to use the Side Discharge Chute, Mulching Plug, and Rear Bagger as appropriate.

### **WARNING!**

- Always stop the Motor, wait for the Blade to stop moving, and remove the Safety Key whenever you leave the operating position (behind the handlebar) for any reason. In addition, remove the Battery when inspecting and cleaning the machine, performing routine maintenance, clearing grass, making adjustments, and attaching or removing accessories.
- Never insert the Safety Key into the Mower until you are ready to operate the Mower. Store the Safety Key away from children and people not authorized to use the Mower.
- The Cutting Blade always turns when the Motor is running. To quickly stop the machine's Motor – simply release the orange Control Bar. Remember that the Blade will continue to rotate for up to three (3) seconds after you release the Control Bar.
- Always stop the Motor completely before changing modes (Mow/Auxiliary).
- Do not put your hands or feet near or under the rotating Blade. Keep clear of the discharge area at all times.
- Never operate the Mower in the rain or when the grass is wet. Always be sure of your footing.
- Keep a firm hold on the Handlebar, and walk – never run.
- Stay alert and watch what you are doing.
- Watch out for traffic when mowing near roadways.
- Stop the Motor when crossing over loose materials such as gravel drives, walks, or roads, as objects discharged by the Mower can be hazardous.
- Do not operate the machine when you are tired or under the influence of medication, drugs, or alcohol.
- Remove the Safety Key when the machine is not in use.

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## CAUTION!

- Keep the Blade cutting edges sharp and clean for the best and safest performance. To be sure the Mower is in safe operating condition, keep all nuts, bolts, and screws tight. Follow the instructions in this manual for changing accessories.
  - Never pull the Mower toward you while cutting grass. By design, you should only push the NEUTON Mower forward while cutting.
  - Use extreme caution when maneuvering backwards. Always stop the Motor, look first to check your footing, look down and behind you before moving backwards.
  - If you strike a foreign object, or if the Mower vibrates abnormally, stop the motor, remove the Safety Key and Battery, and inspect the machine for any damage. Repair the damage before restarting and operating the machine. Striking an object may loosen the blade. **Note:** *Excessive vibration is generally a sign of trouble.*
  - Do not use your NEUTON Mower for any job other than the intended use.
  - Do not operate the machine if it does not start normally or stop normally when you release the Control Bar.
  - Empty the rear Bagger of all debris following each use. The fabric will wear and deteriorate under normal usage. Before each use, check the Bagger for wear and replace if it is torn or worn.
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## Handling the Battery Safely

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### WARNING!

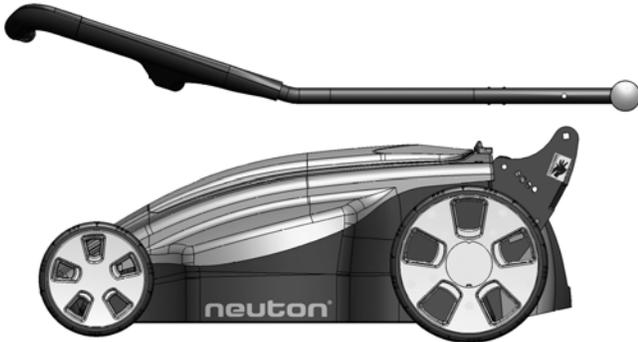
- Never charge the lawn mower Battery in the rain or in wet conditions.
  - Use only an approved 36-Volt NEUTON Charger to charge the Battery. Make sure that the NEUTON Charger output voltage printed on the Charger label matches the voltage of your Battery. Use of a different Charger may not allow the Battery to fully recharge and may cause a fire or explosion. Use of a non-approved NEUTON Charger will void your warranty.
  - Exercise care in handling the Battery in order not to short-circuit it with conducting materials such as rings, bracelets, and keys. When short-circuited, the Battery or conductor may overheat and cause burns.
  - Never attempt to alter or open the Battery. Opening your Battery will void your warranty and could result in an unsafe condition or risk of personal injury. Use normal household voltage (110 Volts) when charging the Battery. Plug the Charger directly into the electrical outlet.
  - Never attempt to replace the individual Battery cells inside the Battery. Mixing fresh and discharged Batteries could increase internal cell pressure and rupture the discharged Battery. Improper wiring within the Battery could result in leakage or explosion.
  - Never dispose of Batteries in a fire, as the Battery cells may explode. Never open or mutilate the Battery. Released electrolyte (battery acid) is corrosive and will cause damage to eyes, skin, or clothes. Battery acid is toxic if swallowed or if you inhale the fumes.
  - Never throw away used Batteries in your household trash. Bring them to a recycling center or household hazardous waste depot for proper disposal. Please refer to "Recycling your used Battery" on page 15 for more information.
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**NOTE:** See additional details on Battery care in "Chapter 4: Charging and Caring for the Battery".

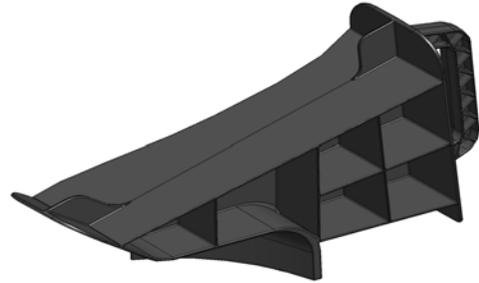
No list of Warnings and Cautions can be all-inclusive. If situations occur not covered by this manual, the operator must apply common sense and operate the NEUTON Mower in a safe manner. Visit our website at [www.neutonpower.com](http://www.neutonpower.com) or call Toll Free: **1-866-NEUTON1 (638-8661)** for assistance.

# Chapter 2: Setting Up Your NEUTON Mower

## NEUTON Mower Package Contents



**NEUTON CE 6.3 Mower w/ Handlebar**



**Mulching Plug (260561)**



**(2) 8mm x 38mm Shoulder Bolts  
(2) 8mm Lock Nuts  
(2) Washers**



**Side Discharge Chute (243191)**



**Bagger (243121)**



**Battery (260591)**



**Battery Charger (260601)**



**Safety Key (175931)**



**36mm Wrench (176281)  
&  
3/4\" Wrench (240841)**

**Figure 1**

## Assembling Your NEUTON Mower

To allow you to quickly begin using your NEUTON Mower, it was shipped to you partially assembled. The assembly process is easy and does not require any special tools, knowledge, or strength.

Assembling your NEUTON Mower takes just a few steps:

**Step 1: Read the *Safety & Operating Instructions* before proceeding.**

**Step 2: Remove the Battery.**

**Step 3: Attach and Adjust the Handlebar.**

**Step 4: Charge the Battery before your first use.**

**Step 5: Attach the Side Discharge Chute, Mulching Plug, or Rear Bagger.**

**Step 6: Insert the Battery after being fully charged.**

**Step 7: Adjusting the Cutting Height.**

**NOTE:** See **Figure 22** on page 10 for a photograph of the fully assembled Mower.

### **! WARNING!**

Remove the Battery and Safety Key during assembly, adjustments, cleaning, Blade replacement, or when the Mower is not in use. Removing the Safety Key and Battery will prevent accidental starting, and help avoid serious personal injury.

**Step 1: Read the *Safety & Operating Instructions* before proceeding.**

The NEUTON Mower is a motorized cutting machine that uses a sharp Blade. For your safety, and for best results, it is important to read the information in "Chapter 1: Important Safety Considerations" before you assemble or use the Mower.

To familiarize yourself with the assembly, features, and operation of your Mower, please read the remainder of this manual before proceeding.

**NOTE:** Do not discard the shipping box and packaging material until you are fully satisfied with your new NEUTON Battery-Powered Mower.

**Step 2: Remove the Battery.**

You can quickly and easily remove the Battery from your Mower.

1. Push the Cover Latch back to open the Access Cover (**Figure 2**).

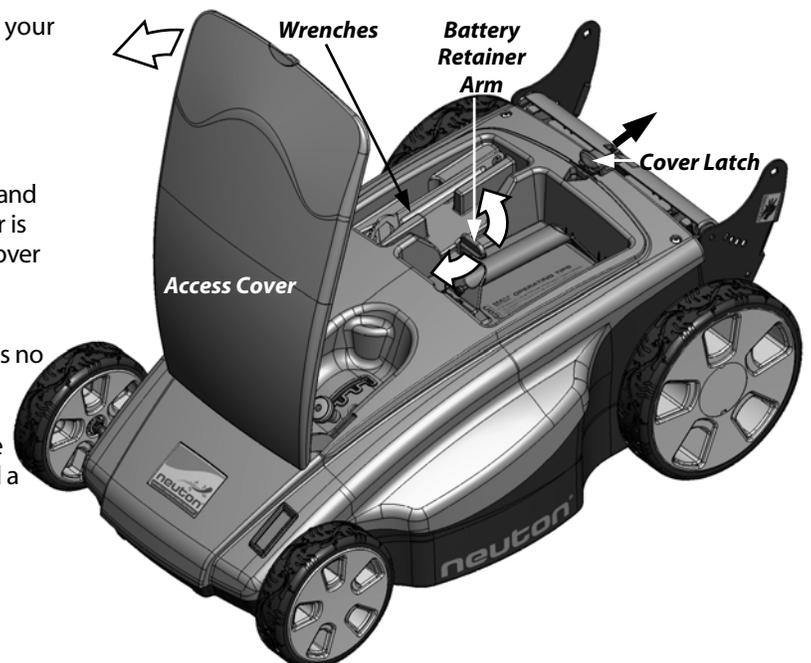
**TIP** Push the Cover Latch back with one hand and hold the Cover with the other, as the Cover is spring loaded. Once released, allow the Cover to open toward the front of the Mower.

2. Twist the Battery Retainer Arm either way until it is no longer blocking the Battery (**Figure 2**).

**TIP** To help keep the Mower from rolling while removing the Battery, put one foot behind a wheel for stability.

3. Pull the Battery straight up and remove it.

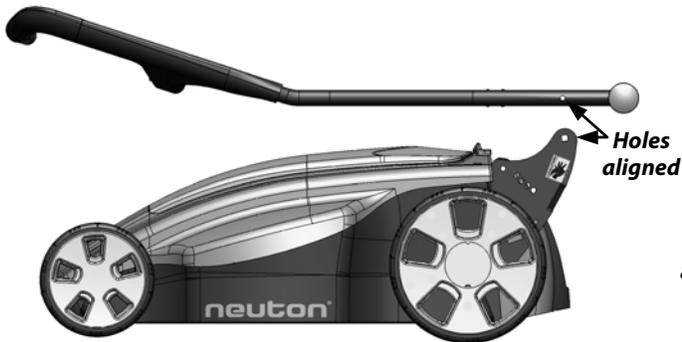
**NOTE:** Use care, as the Battery is heavy.



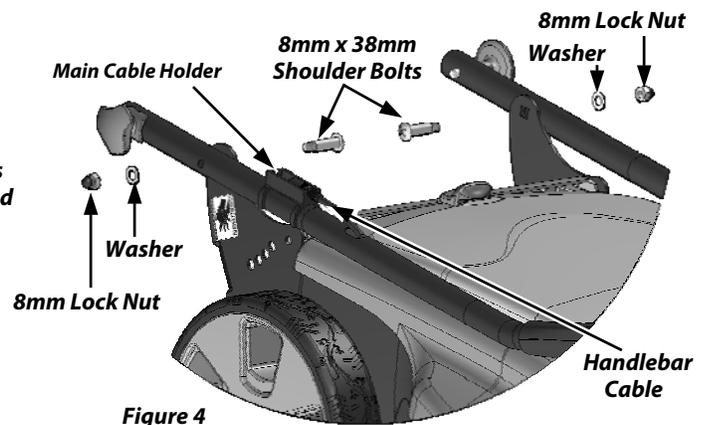
**Figure 2**

### Step 3: Attach and Adjust the Handlebar.

1. Remove either one of the Wrenches from under the Access Cover and close the Cover (**Figure 2** on page 5).
2. Lay the Handlebar on top of the Mower and align the two (2) holes as shown in **Figure 3**.
3. Insert a 8mm x 38mm Shoulder Bolt from the inside through the aligned holes (**Figure 4**), attach a 8mm Lock Nut and repeat for other side. Tighten the Lock Nuts using the small Hexagonal end of the Wrench and a Phillips Screwdriver.

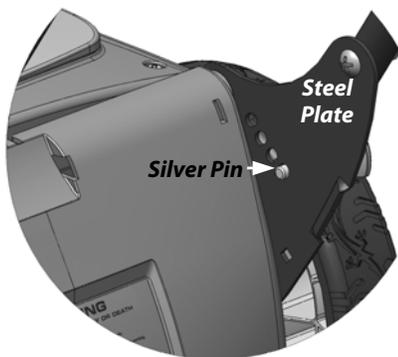


**Figure 3**

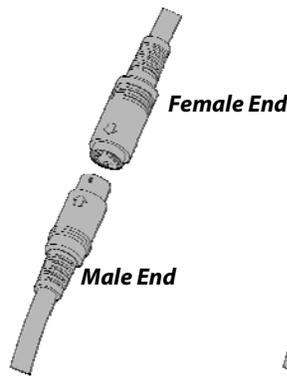


**Figure 4**

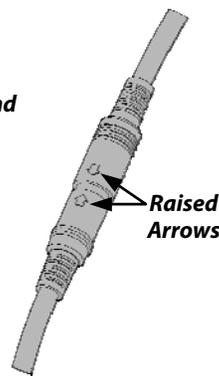
4. Rotate the Handlebar into the upright position. The Handlebar will lock into its highest position producing an audible click. Note the Silver Pin protruding through the hole in the Steel Plate (**Figure 5**).
5. Unsnap the Handlebar Cable from the Main Cable Holder (**Figure 4**).
6. Locate the opposite end of the Main Cable from the Mower (**Figure 6a**), line up the raised Arrows (**Figure 6b**) on each connector, and push the connectors together until fully mated (**Figure 6b**).
7. Snap the mated connectors into the Main Cable Holder on the Handlebar (**Figure 6c**) and then snap the Protective Cover over the mated connectors.



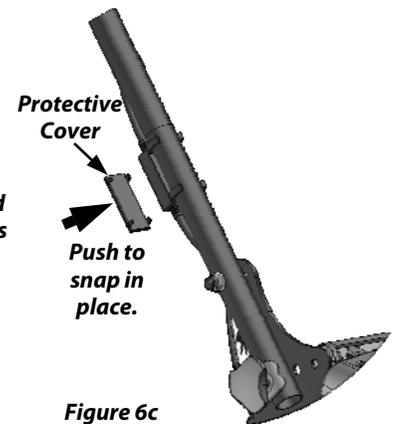
**Figure 5**



**Figure 6a**

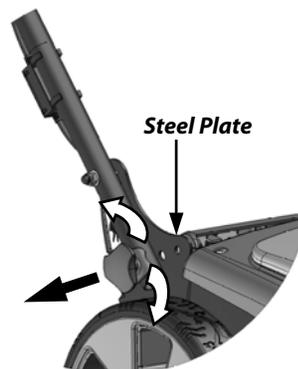


**Figure 6b**

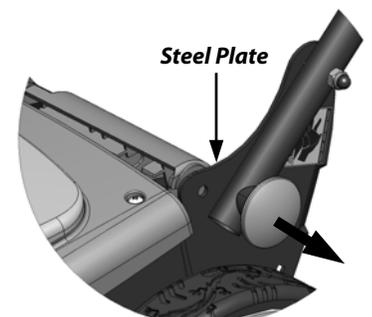


**Figure 6c**

8. To adjust the Handlebar height, pull the right Knob (**Figure 7**) all the way out and twist the Knob in either direction 1/4 turn. This will lock the Knob in the out position.
9. While holding the Handlebar, pull the left Knob (**Figure 8**) all the way out and rotate the Handlebar to the desired position. Release the Knob and move the Handlebar until the Knob clicks back into position with an audible "click". Make sure the Silver Pin is protruding through one of the four (4) Height Adjustment holes in the Steel Plate.
10. Slowly twist the right Knob until it locks into position with an audible "click". Check to make sure both Silver Pins are protruding through their respective holes in the Steel Plates.



**Figure 7**



**Figure 8**

#### Step 4: Charge the Battery before your first use.

### **! WARNING!**

- Risk of electric shock; do not touch the non-insulated portion of the output connector or the non-insulated Battery terminal.
- Use the NEUTON 36V Charger only with the NEUTON 36V Battery. Use of other Chargers or the NEUTON 36V Charger with other types of Batteries may result in bursting of the Battery, which could cause personal injury and property damage.

You **MUST** charge the Battery for at least ten (10) to twelve (12) hours maximum before you use the Mower for the first time. If you do not charge it before using the Mower, the Battery's charging capacity may decrease.

**NOTE:** Always charge the Battery while it is out of the Mower.

1. Remove the Protective Plug from the Charger Receptacle on the Battery and plug in the round Charger Connector (**Figure 9**).
2. Plug the Charger into a standard 110V wall outlet. The RED light on the Battery will illuminate indicating a connection between the Battery and the Charger. The LED light on the Charger will quickly change from GREEN to RED indicating that the Battery is charging.
3. After ten (10) to twelve (12) hours, the Battery should be completely recharged. The LED on the Battery will not turn off or change colors.

**NOTE:** The LED on the Charger may not have changed to GREEN and may still be RED after twelve (12) hours of charging. This does not mean that the Battery is not completely charged. Do not charge any longer than 12 hours.

4. Remove the Charger from the Battery and from your standard 110-Volt wall outlet and place both the Battery and the Charger in a **DRY** environment for storage until you need them again.

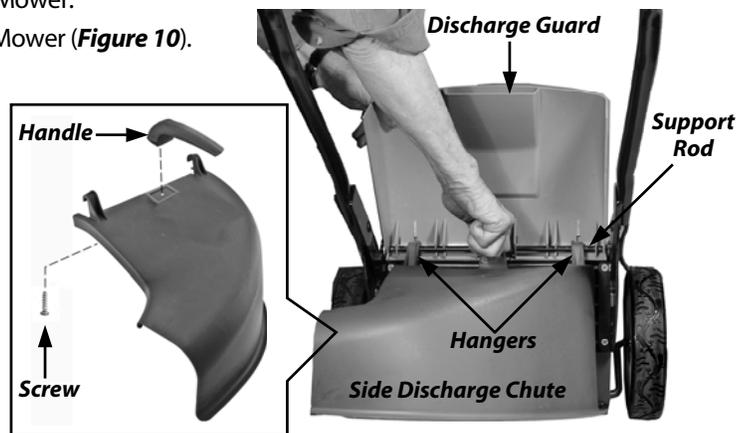
**NOTE:** For the first five (5) hours, the Charger may be warm to the touch. This is normal and does not indicate a problem.

#### Step 5: Attach the Side Discharge Chute, Mulching Plug, or Rear Bagger.

##### Side Discharge Chute

The Side Discharge Chute (**Figure 10**) allows for proper discharge of the grass, which prevents clogging. The Chute shipped without the Handle so you will have to install the Handle prior to use using a small Phillips Screwdriver. The Handle and Screw are located in the Product Pack bag that shipped with the Mower.

1. Raise the hinged Discharge Guard on the back of the Mower (**Figure 10**).
2. Orient the Discharge Chute as shown in **Figure 10**. Position the two (2) Hangers on the Chute over the Support Rod and lower the Chute into place (**Figure 10**).
3. Lower the hinged Discharge Guard.



**Figure 10**

## Mulching Plug

To mulch your grass, install the Mulching Plug.

1. If necessary, remove the Rear Bagger or Side Discharge Chute from the Mower.
2. Install the Mulching Plug (**Figure 11**). Be sure to push the Plug all the way in.

- TIP** There's a slight knack to installing the Plug; push the Plug in with a slightly arcing motion as follows:
- Align the Plug in the Mower.
  - Start to push the top of the Plug in first.
  - Then put pressure towards the bottom and slide in the Plug.



Figure 11

## Rear Bagger

The NEUTON Rear Bagger lets you cut and catch your grass clippings, eliminating the need to rake. The Rear Bagger easily attaches to the rear of the Mower (**Figure 12**). The Bagger shipped unassembled. The following instructions outline the steps necessary to assemble, install, and remove the Bagger.

### Assembling the Bag to the Bag Frame

1. With the Bottom Stiffener Board facing down, insert the Frame into the Bag (**Figure 13**).
2. Snap the Bag Clips around the Frame top, sides and bottom (**Figure 14**) to secure the Bag to the Frame.

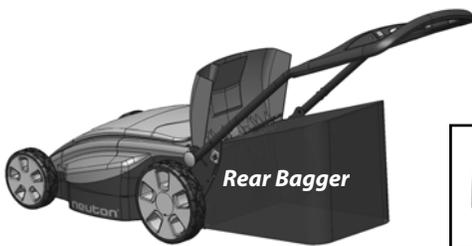


Figure 12

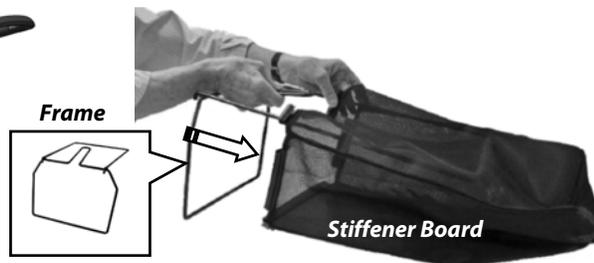


Figure 13



Figure 14

### Installing the Bagger

1. Raise the Discharge Guard on your Mower (**Figure 15**) and note the metal Support Rod at the rear of the Mower.
2. Grasp the Bagger by the Top Handle (**Figure 16**) and center it at the back of the Mower.
3. Align the Metal Latch Hooks (**Figure 16**) over the Support Rod (**Figure 17**) and lower the Bagger in place until the Wire Frame at the bottom of the Bagger rests on the Mower. Lower the Discharge Guard.

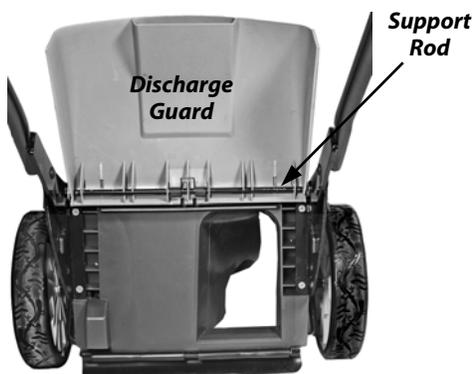


Figure 15

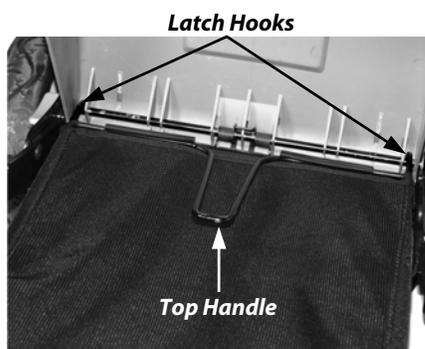


Figure 16

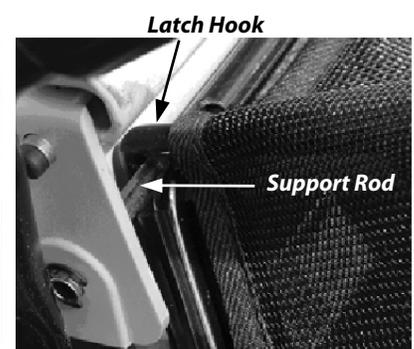


Figure 17

## Removing and Emptying the Bagger

1. Raise the Discharge Guard and using the Top Handle of the Bagger, lift the Bagger off the Support Rod and away from the Mower. Lower the Discharge Guard.
2. To empty the Bagger, tilt the Top Handle forward. Use the Cloth Handle (**Figure 18**) at the rear of the Bagger to move the contents toward the front as you empty the Bagger.

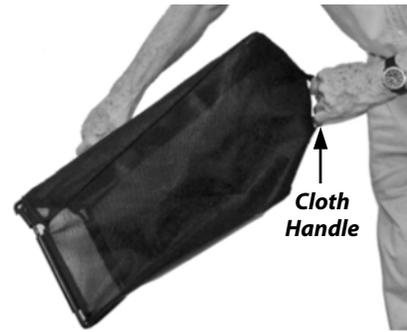


Figure 18

## Step 6: Insert the Battery after being fully charged.

1. Orient the Battery as shown in **Figure 19**. Align the black side of the Battery with the side of the Mower housing where the label reads "Insert Battery with the black side along this edge."

**NOTE:** The indentations on the bottom of the Battery must line up with the metal tabs in the bottom of the Battery compartment. A new replacement battery now has a gold faceplate (originally black as seen in **Figures 19 and 20** below).

2. After confirming the correct orientation of the Battery, insert the Battery fully into the Battery compartment.
3. Turn the Battery Retainer Arm back over on top of the Battery to secure it in place (**Figure 20**).

## NOTICE

If the Battery is not oriented correctly, it will not fully depress into the opening. If this happens, remove the Battery, recheck the orientation, and try again.

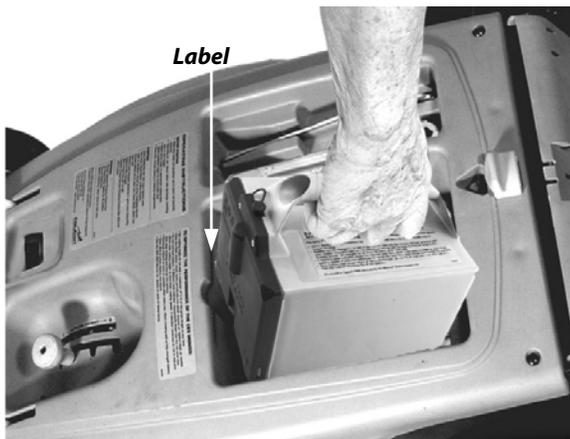


Figure 19

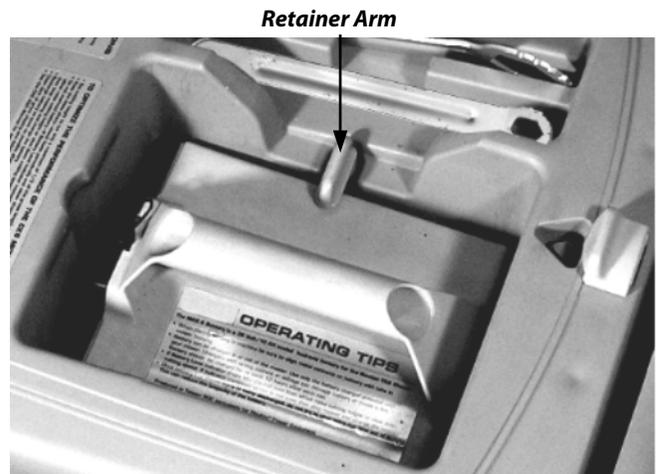


Figure 20

### Step 7: Adjusting the Cutting Height.

Using the Cutting Height Lever located under the Access Cover (**Figure 21**), adjust the Cutting Height so that you cut off only one (1) to two (2) inches of grass at a time.

1. Open the Access Cover and remove the Safety Key.
2. Make sure all four (4) Wheels are level.
3. Push the Lever out of its present notched position and move the Lever up or down to the desired level. When you reach the desired level, simply release the Lever into the notch.

**TIP** → To easily move the Cutting Height Lever, hold the Handlebar with your right hand to keep the Mower steady and adjust the Lever with your left hand.

Each position adjusts the Mower's Blade level to a different Cutting Height. Pushing the Cutting Height Lever towards Position 1 cuts more grass (which leaves your grass shorter); pushing the Lever towards Position 4 cuts less grass (leaving your grass longer).

The following table lists the final cut grass heights.

Lever Position	Cut Height
1	1.2" (3.0 cm)
2	1.5" (3.8 cm)
3	2.0" (5.1 cm)
4	3.0" (7.6 cm)

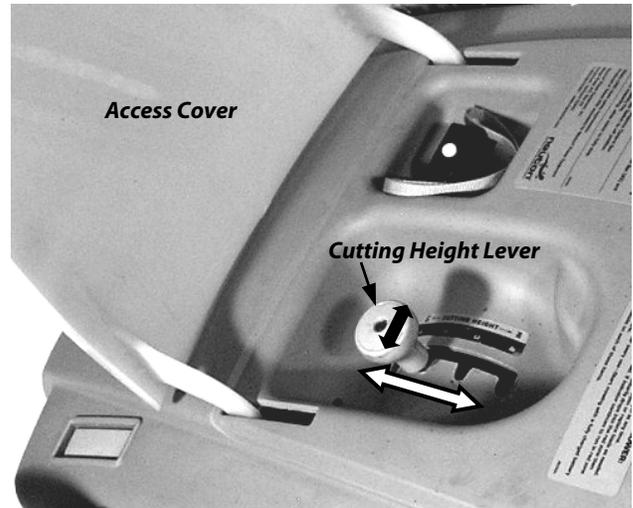
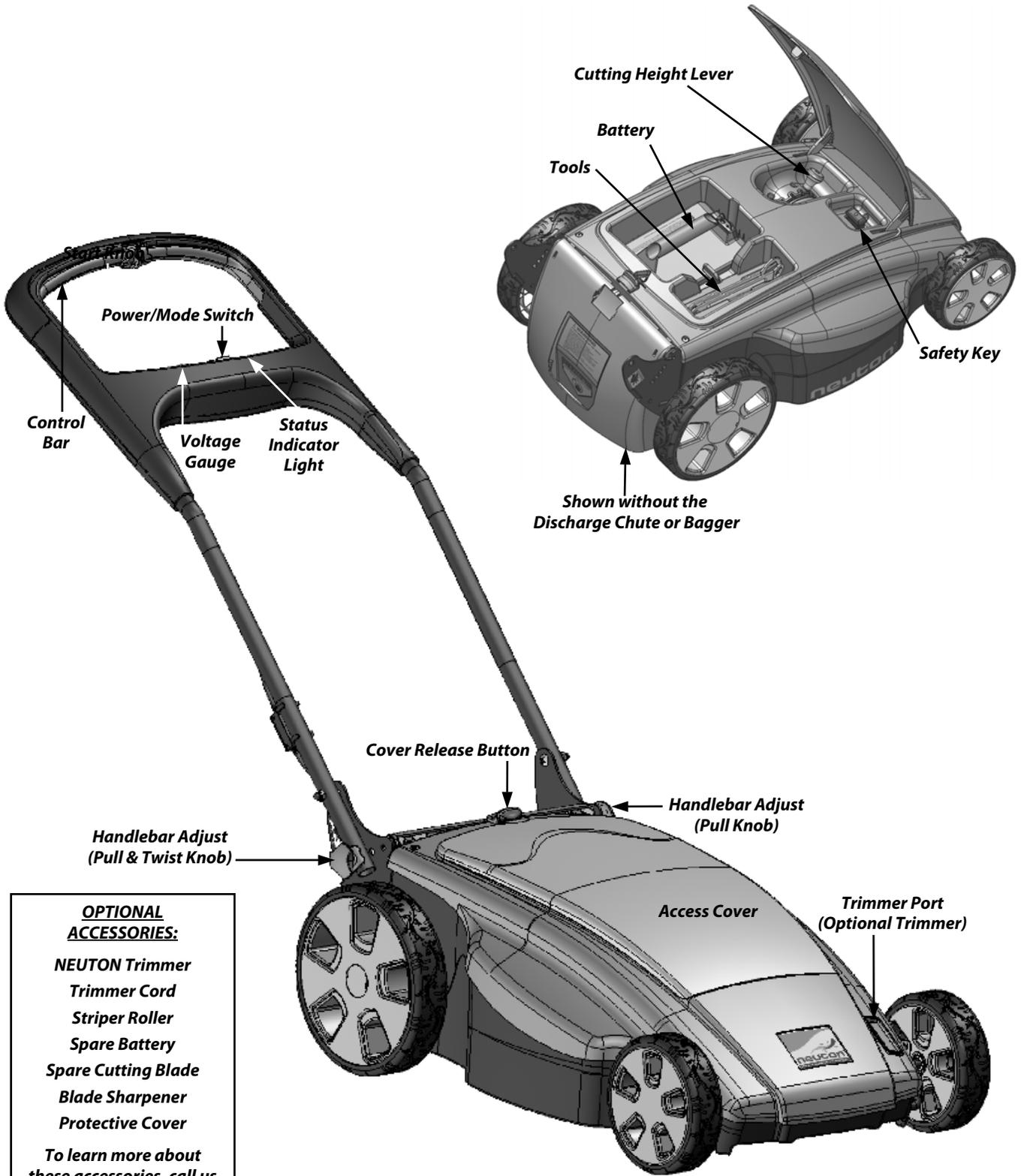


Figure 21

# Your Fully Assembled NEUTON Mower



**OPTIONAL ACCESSORIES:**

- NEUTON Trimmer
- Trimmer Cord
- Striper Roller
- Spare Battery
- Spare Cutting Blade
- Blade Sharpener
- Protective Cover

To learn more about these accessories, call us at 1-866-Neuton1 (638-8661) or visit us on our web site: [www.neutonpower.com](http://www.neutonpower.com)

Figure 22

## Controls and Features

### ⇒ Status Indicator Light

The green Status Indicator Light (**Figure 23**) on the Lower Crossbar lights up when you install a charged Battery, insert the Safety Key and when you place the Power/Mode Switch in either the Mow or Auxiliary position.

**NOTE:** A green Status Indicator Light does not guarantee that the Battery is fully charged, only that it has some charge, the Safety Key has been inserted, the electrical system is ready, and that the Mower can be started.



Figure 23

## NOTICE

If the green Status Indicator Light goes out, do not operate the Mower again until the Battery is fully charged. If you do operate the Mower with the green Status Indicator Light out, this will result in decreased charging capacity.

**NOTE:** Although you may notice that a short period of rest may restore the Status Indicator Light, you still must fully charge the Battery before continuing to mow.

### ⇒ Power/Mode Switch

The Power/Mode Switch (**Figure 24**) controls the Mower, Power, and optional Trimmer. This Switch has three (3) settings.

- Mower (rear position), used for normal mowing; and
- Power OFF (center position), used to conserve Battery power (green Status Indicator Light goes out); and
- Auxiliary (forward position), used when operating the Optional Trimmer.



Figure 24

### ⇒ Analog Voltage Gauge

The Analog Voltage Gauge (**Figure 25**) indicates the amount of Battery life remaining. The yellow area indicates acceptable voltage whereas the red area indicates low voltage. You should raise the Cutting Height or mow slower if the gauge momentarily drops into the red area. Recharge the Battery if the Gauge stays in the red area.

**NOTE:** The Analog Voltage Gauge will only show the Battery's voltage when you correctly insert the Battery in the machine and the Power/Mode Switch is in either the Mow, or Auxiliary position.



Figure 25

## NEUTON CE 6.3 Product Specifications

### Motor

RPM	3800
Tip Speed	18,000 ft./min.
AMP Idle	5 – 6
AMP Cutting	10 – 12
MAX Torque (Stall)	2.28 Ft.-Lbs.
Size	750W, 36V DC/50 Amp
Noise	Under 80 Decibels

### Controls

Start/Stop	Safety Control Bar, Start and Stop
Shape	Comfortable, Ergonomically Designed Housing
Key	Removable Safety Key w/Circuit Breaker
Electric System	Printed Wiring Board Control System
User Interface	ON/OFF Indication Mow/OFF/Auxiliary Switch Battery Voltage Level Indicator

### Housing

Material	Injected Polypropylene
Assembly	Handlebar Assembly only
Handlebar Height Adjustment	34.8" - 40.5" (at lowest Housing height) 36.6" - 42.3" (at highest Housing height)
Wheels, Front	7.25" x 2", Molded Rubber Tread
Wheels, Rear	10" x 2.1", Molded Rubber Tread
Weight	69 lbs. 10 oz. (including Battery) 46 lbs. 5 oz. (without Battery)
Housing Length	34.5"
Housing Width	21"
Housing Height	12.5"

### Cutting

Cutting Deck Width	19"	
Blade	18.7" Steel Aero Blade (extra Blades available)	
Blade Nut Torque	16.6 Ft.-Lbs.	
Blade Function	Cutting and Mulching	<b>Height Positions</b>
Cutting Height	Easily Adjustable from 1.2 – 3.0 inches	1=1.2" (3.0cm)
Discharge	Rear Discharge Chute Included	2=1.5" (3.8cm)
Bagger	Rear Bagger Included	3=2.0" (5.1cm)
Bagger Capacity	1.33 Bushel (1.65 cubic ft.)	4=3.0" (7.6cm)
Mulching	Mulching Plug Included	
Trimming	Optional Trimmer/Edger Attachment	
Lawn Size	Up to 1/3 acre on a single Battery charge	

### Battery

Voltage	36V DC
AMP	10 Amp-Hour
Type	Sealed, Lead/Acid
Weight	23 lbs. 5 oz.
Approximate Run Time	45 - 60 minutes for fully charged Battery
Battery Charger	Included with Mower. 36V Charger, plugs into standard electrical outlet
Charge Time	10-12 hours maximum to fully recharge
Replacement	Easy to lift out and replace with optional spare Battery

### Optional Accessories

Trimmer	Plug-in Trimmer/Edger w/2 extra spools
Trimmer Cord	80 MIL/2.0mm Diameter x 14.6 Feet/Spool
Blade Sharpener	Hand-Held Sharpener
Protective Cover	Fits machine with Handlebars up or down
Striper/Roller	Attaches to back of Mower

### Meets CPSC Mower Safety Standards

## Chapter 3: Operating Your NEUTON Mower

**NOTE:** If the Mower Battery is not fully charged or if you are unpacking a new Mower for the first time, read “Chapter 4: Charging and Caring for the Battery” before operating the Mower. You should charge the Battery for ten (10) to (12) twelve hours maximum before use.

### Starting the Motor and Engaging the Blade

#### NOTICE

- Starting, stopping, and restarting an electric Motor repeatedly within a few seconds can generate a great deal of heat and damage the Motor. To protect the life of your NEUTON Mower, always wait at least five (5) seconds after stopping before restarting the Mower.
- The cutting Blade always turns when the Motor is running; there is no clutch to allow the Blade to stop rotating while the Motor is running.

- Perform the Daily Checks listed on the back cover of this manual.
- Insert the Safety Key into the Key Slot (**Figure 26**). You can insert the Safety Key either way and it should snap into place. The green Status Indicator Light on the Lower Crossbar should come on when you place the Power/Mode Switch in either the Mow or Auxiliary position.

#### Starting the Mower

- Slide the orange Start Knob to your left (**Figure 27**).
- Squeeze and hold the orange Control Bar (**Figure 28**). The orange Start Knob fits snugly into the Slot on top of the Handlebar.
- Continue to hold the Control Bar against the Handlebar for as long as you want the Motor to run.

If the Mower does not start, first check for simple solutions:

- Make sure the Battery is in, the Safety Key is in, and the Status Indicator Light is green.
- Make sure the Power/Mode Switch is in the Mower position.
- Make sure the white Circuit Breaker Button on the Safety Key is depressed.
- Did you follow the two (2)-step Start sequence: slide the orange Start Knob to the left, then squeeze and hold the Control Bar?

**NOTE:** If the Mower still does not start, follow the steps in “Chapter 6: Troubleshooting Tips”.

#### **WARNING!**

The orange Control Bar is a safety device; do not tamper with it.

#### Stopping the Motor and Blade

Simply releasing the orange Control Bar stops the Motor and Blade.

#### **WARNING!**

The Blade continues to rotate for a few seconds after you shut off the Motor.

#### NOTICE

After mowing is complete, make sure to move the Power/Mode Switch to the center, OFF position. The Status Indicator Light should turn off. If the Mower is stored with the Power/Mode Switch in either the Mow or Trim position with the Battery in the Mower, the Status Indicator Light will remain ON and will drain your Battery between uses.



Figure 26



Figure 27



Figure 28

## Chapter 4: Charging and Caring for the Battery

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### CAUTION!

Before charging the Battery, read all instructions and cautionary markings in this manual and on your Mower. Do not operate your Mower until you have read and understand all instructions and the Battery is fully charged. Reference “**Step 4: Charge the Battery before your first use.**” on page 7 for information on connecting the Battery Charger to the Battery.

---

### The Battery

The NEUTON Mower comes with a sealed, lead acid Battery already installed at the factory. The Battery is 36 volts and rated at 10 amp-hours. The Battery should not leak, regardless of the position in which it is stored. Read “Handling the Battery Safely” in Chapter 1 for additional information.

The Battery is completely maintenance free. You never need to add water. With all rechargeable Batteries, after years of use, they will eventually need replacement. With proper care, the Battery can last up to three (3) to five (5) years.

---

### WARNING!

- Never attempt to alter or open the Battery. Use normal household voltage (110 volts) when charging the Battery. Plug the Charger directly into the electrical outlet.
  - Risk of electric shock; do not touch the non-insulated portion of the output connector or the non-insulated Battery terminal.
  - Use the NEUTON 36-Volt Charger only with the NEUTON 36-Volt Battery. Use of other Chargers or the NEUTON 36-Volt Charger with other types of Batteries may result in bursting of the Battery, which could cause personal injury and property damage.
- 

### TIPS

- Under normal conditions, the Battery charge should last for approximately forty-five (45) to sixty (60) minutes per use with a fully charged Battery. The length of time depends on the length, density, and dampness of the grass, cutting height setting, current Battery charge level, and ongoing Battery care/charging. If the Battery does not provide a forty-five (45) minute run time, it does not mean that your Battery is defective. If you generally intend to use your Mower for a longer duration, Neuton Power Equipment recommends that you purchase an extra Battery. Whereby, you could have a second fully charged Battery ready so you can continue mowing.
  - The optimal ambient temperature for charging of the Battery is between +32°F (0°C) and +104°F (+40°C). Make sure the charging temperatures will never be outside these limits.
  - It may take up to five (5) charging and discharging cycles before your Battery provides maximum life.
  - A Battery may last much longer if you charge it as soon as it starts to lose power and not let it completely discharge. You should not try to coax a little more power out of your Battery. Recharge the Battery as soon as possible after each use and remove it from the Charger. The Battery will fully recharge in ten (10) to twelve (12) hours.
  - Avoid leaving the Battery on the Charger for a period of more than a week.
  - For superior Battery performance, always store the Battery in a **DRY** environment with temperatures between +5°F (-15°C) and +104°F (+40°C). Make sure the storage temperatures will never be outside these limits. The lower the storage temperature is within the specified range, the better. The Battery will discharge more slowly at low temperatures. Charge the Battery for ten (10) to twelve (12) hours maximum prior to storage and then every one (1) to two (2) months; and then again prior to the first seasons use. Be sure to remove the Charger from the Battery after charging. Also, do not store the Battery near children or pets or close to a source of heat, sparks, open flame or on the floor as it may be damp or subject to accidental flooding. In addition, never expose the Battery to abnormal shaking or shocks. Regularly observe the external appearance of the Battery. Never use a Battery that shows cracks, changes shape, leaks, or is obviously damaged.
- 

### NOTICE

Periodically inspect the Cord on the Charger unit for damage. If damage occurs, discontinue use of the Charger immediately and visit our website at [www.neutonpower.com](http://www.neutonpower.com) or call Neuton Power Equipment Toll Free at: **1-866-NEUTON1 (638-8661)** for a replacement Charger. Do not abuse the Cord. Never carry the Charger by the Cord. Always pull the Charger – and not the Cord – when disconnecting the Charger from the electrical outlet (wall outlet). Always pull the Charger Connector – and not the Cord – when disconnecting the Charger from the Charging Receptacle on the Battery after charging. When using an extension Cord with your Charger, use a heavy-duty extension Cord of a type “suitable for outdoor use” (although you should never charge the Battery in the open outdoors).

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## Recycling your Used Battery

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### **WARNING!**

Never attempt to dispose of your Battery in a fire; the cells may explode.

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### **NOTICE**

Please dispose of used Batteries responsibly, according to your local hazardous materials regulations. Never throw away used Batteries in your household trash.

---

Please dispose of your used Batteries responsibly by recycling them. We have partnered with East Penn Manufacturing, one of the leading producers of lead-acid batteries in the U.S., to recycle your Battery when it reaches the end of its life. East Penn has nearly 100 distribution centers throughout the U.S. and Canada that will accept your Battery for recycling. East Penn will separate and reuse everything in your old Battery: the plastic cover, the lead, and even the Battery acid using a patented process. To find the location of the East Penn distribution center nearest you, visit <http://www.dekabatteries.com>.

You can also visit the Web site of Earth 911 for more information [[www.earth911.org](http://www.earth911.org)]. Once there, click the Municipal HHW link under Hazardous Household Waste, and enter your zip code. The site lists recycling centers located near you. You can also visit our website [www.neutronpower.com](http://www.neutronpower.com) and click on "Customer Service" to find distribution centers across the country that will accept your Battery for 100% recycling of the plastic, lead, and acid.

For a fee, you can recycle your Batteries with the International Metals Reclamation Company. Visit them at [www.inmetco.com](http://www.inmetco.com) and click Services; or contact them at:

INMETCO, P.O. Box 720, 245 Portersville Road, Ellwood City, PA 16117, (724) 758-2825; fax (724) 758-2845

To learn more about hazardous waste recycling, visit the Web site for Battery Council International [[www.batterycouncil.org](http://www.batterycouncil.org)] or for the Environmental Protection Agency [[www.epa.gov](http://www.epa.gov)].

## Chapter 5: Servicing Your NEUTON Mower

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This chapter explains how to clean your Mower, and change and sharpen the Blade.

### Servicing Your Mower

#### **WARNING!**

- Never make adjustments or repairs with the Motor running. Always stop the Motor, wait for the Blade to stop moving, remove the Safety Key, and remove the Battery to prevent accidental starting.
  - Never tamper with safety devices. Check their proper operation regularly.
  - Never attempt to make wheel-height adjustments while the Motor is running.
  - Grass catcher components are subject to wear, damage, and deterioration, which could expose moving parts or allow the Blade to throw objects. Check components frequently, and replace them with the manufacturers recommended parts when necessary.
  - Check the Blade and Motor mounting bolts at frequent intervals for proper tightness. Use only authorized NEUTON replacement parts.
- 

#### **CAUTION!**

- Keep your Mower free of grass, leaves, or other debris build-up.
  - Allow the Mower to cool for at least five (5) minutes before servicing or storing.
  - The Mower Blade is sharp, it can and will cut. Wrap the Blade or wear gloves, and use extra caution when working on it.
- 

### Cleaning the Handlebar

Remember to clean and lubricate the Handlebar on your Mower at least once a year or whenever grime builds up on the sliding parts of the Handlebar.

#### **WARNING!**

Before performing the following cleaning procedures, remove the Safety Key and Battery to prevent accidental starting.

---

#### **Supplies Needed:**

- Clean cloth or paper towel
  - WD-40® or similar lubricant
- 

#### **NOTICE**

- Use only lubricants that are compatible with electrical components such as WD-40®.
  - Never use silicone or graphite based lubricants.
- 

1. Spray a small amount of WD-40® or similar lubricant on a paper towel or clean cloth.
  2. Clean both sides all along the top and sides of the orange Control Bar (**Figure 22** on page 10).
  3. Slide the Start Knob (**Figure 27** on page 13) to the left and squeeze the orange Control Bar up into the top of the Handlebar as if you were starting the Mower (**Figure 28** on page 13).
  4. Holding the orange Control Bar in this position, clean the inside side walls of the Handlebar where the orange Control Bar slides up and down.
  5. Operate the orange Control Bar several times to insure that it is moving freely and properly returns to the OFF (down) position.
-

## Removing and Attaching the Blade

### NOTICE

- You must remove the Blade to sharpen it.
- Always check the Blade for sharpness, damage, and tightness before and after each use. If the Blade is bent or damaged, replace the Blade promptly.
- Replace the Blade when worn, damaged, or at least every five (5) years.

#### Tools and Supplies Needed:

- 36mm Wrench (supplied with Mower under the Access Cover)
- 3/4" Wrench (supplied with Mower under the Access Cover)
- Torque Wrench (optional)
- Heavy Gloves

### CAUTION!

Wear heavy gloves to protect your hands when removing and attaching the Blade.

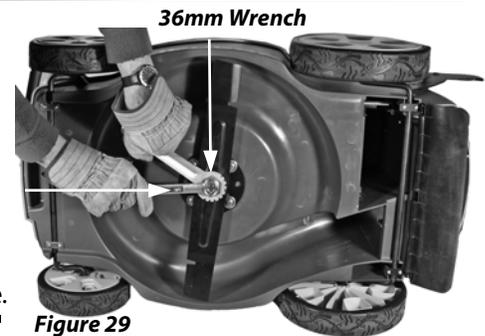


Figure 29

1. Place the 36mm Wrench over the Steel Hex Adapter (the large metal piece that holds the Blade in position) and place the 3/4" Wrench or Socket over the Blade Nut (**Figure 29**).
2. While holding the Hex Adapter in place, loosen the Blade Nut by turning counterclockwise. Be careful, hold the Hex Adapter firmly in place so that the Blade does not spin and strike your hand. The safest way to keep the Blade from spinning is to block it with a piece of 2" x 4" wood against the Mower frame.

**TIP** Hold the Wrenches at a slight angle to each other and squeeze together to avoid spinning the Blade. Squeeze the 3/4" Wrench clockwise to tighten the Nut and counterclockwise to loosen the Nut.

3. Remove the Blade Nut, Steel Hex Adapter, Blade, and Steel Blade Adapter in that order (**Figure 30**).
4. To install a sharpened Blade or a new Blade, reverse the order of step 3. Be sure to replace all parts exactly as you removed them (**Figure 30**) and make sure to properly seat the Blade.

**NOTE:** Be sure that the stamping on the Blade "THIS SIDE TOWARDS MOWER" is facing the Mower. Also, if replacing the Blade with a new one, use the new Nut supplied. If you assemble the Blade more than ten (10) times, replace the Blade Nut with a new one.

5. Place the 36mm Wrench over the Steel Hex Adapter, then place the 3/4" Wrench (or optional Torque Wrench with a 3/4" Socket) over the Blade Nut (**Figure 29**) and while holding the Hex Adapter in place; tighten the Blade Nut securely (16.6 Ft-Lbs) by turning clockwise. Again, be careful, hold the Hex Adapter firmly in place so that the Blade does not spin and strike your hand.

## Sharpening the Blade

When the Blade is dull, the cut ends of the grass end up ragged and may turn brown soon after mowing. A dull blade also causes the Battery to discharge faster. When this occurs, sharpen the Blade (assuming the Blade is otherwise in good condition).

#### Tools and Supplies Needed:

- Fine-Toothed File or NEUTON Blade Sharpener (optional)
- Safety Glasses
- Vise

1. Remove the Blade (see "Removing and Attaching the Blade").
2. Secure the Blade in a sturdy Vise and while wearing Safety Glasses, carefully file the Cutting Edges of the Blade using even strokes. Be sure to file both sides and both ends equally.

**TIP** Simply counting the number of strokes per edge will help to keep the sharpening equal.

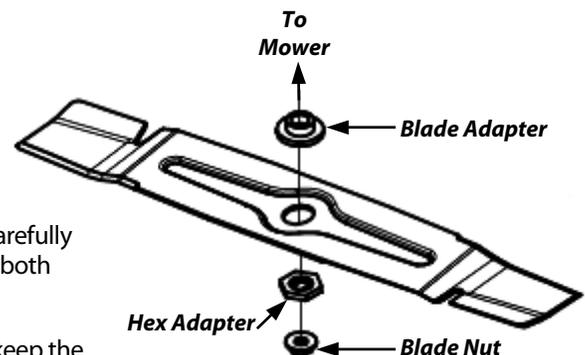


Figure 30

## Chapter 6: Troubleshooting Tips

Most difficulties are easy to fix. Consult the Troubleshooting Table for common problems and their solutions. If you continue to experience problems or need repairs beyond these minor adjustments, visit our website at [www.neutonpower.com](http://www.neutonpower.com) or call Neuton Power Equipment Toll Free at: **1-866-NEUTON1 (638-8661)** for assistance.



Always remove the Safety Key and Battery before performing any adjustments, maintenance, or repairs to your Mower.

### Troubleshooting Table

PROBLEM	CORRECTIVE ACTION
<i>The Motor fails to start with the Safety Key inserted, and the Control Bar depressed.</i>	<ul style="list-style-type: none"> <li>⇒ Check to make sure that you properly inserted the Safety Key and the green Status Indicator Light is ON.</li> <li>⇒ Check to see if the white Button on the Safety Key has popped up; if it has, then depress the Button to reset it.</li> <li>⇒ Check that you installed the Battery correctly and that the Battery is fully charged. The green Status Indicator Light should be ON. If not, replace with a fully charged Battery or recharge the Battery.</li> <li>⇒ Check to make sure the Power/Mode Switch is in the correct position.</li> <li>⇒ Make sure you follow the correct starting sequence of sliding the orange Start Knob to the left and squeezing the orange Control Bar.</li> <li>⇒ Possibly the Blade is obstructed. Remove the Safety Key and Battery, turn the Mower over, and check the Blade to make sure the Blade spins freely and is unobstructed.</li> </ul>
<i>The Mower stops while mowing (for reasons other than releasing the Control Bar).</i>	<ul style="list-style-type: none"> <li>⇒ The Battery has completely depleted its charge. Recharge the Battery fully or replace it with a fully charged Battery.</li> <li>⇒ The Mower was probably overloaded. If the Status Indicator Light is out, the Circuit Breaker inside the Safety Key has tripped to protect the Motor. Reset Breaker by pushing in the white Button in the Safety Key and restart the Mower.</li> <li>⇒ The grass may be too high for the cutting height. Raise the cutting height or narrow your cutting swath and try again.</li> <li>⇒ The Blade, Mower Deck, or Side Discharge Chute probably clogged with debris. Remove the Safety Key and Battery, turn the Mower over, and clean if necessary.</li> <li>⇒ The white Circuit Breaker Button in the Safety Key may not be pushed in fully. Reset it and try again.</li> <li>⇒ If the Mower bogs down or stalls in heavy grass, raise the cutting height, walk more slowly, or cut a narrower swath. If the grass is wet, let it dry before mowing.</li> </ul>
<i>Excessive vibration or noise.</i>	<ul style="list-style-type: none"> <li>⇒ The Blade may be loose. Remove the Safety Key and the Battery; turn the Mower over and check that the Blade is securely attached.</li> <li>⇒ The Blade may be unbalanced, bent, or damaged. Remove the Safety Key and Battery, turn the Mower over, remove the Blade, and check its condition. Replace with a new Blade if necessary.</li> </ul>
<i>The Mower runs, but the cutting performance is unsatisfactory, or there is a loss of power.</i>	<ul style="list-style-type: none"> <li>⇒ The Battery was probably not at full charge prior to Mowing. Charge the Battery, if necessary.</li> <li>⇒ The Blade may be dull, bent, loose or damaged. Remove the Safety Key and the Battery, turn the Mower over, and check the condition of the Blade. Sharpen, tighten, or replace the Blade, if necessary.</li> <li>⇒ The grass may be too high or too thick for the cutting height. Raise the cutting height or narrow your cutting swath and try again.</li> </ul>
<i>The Mower is hard to push.</i>	<ul style="list-style-type: none"> <li>⇒ The grass may be too high or too thick for the cutting height. Raise the cutting height or narrow your cutting swath and try again.</li> <li>⇒ The Wheels may not be rotating freely. Remove the Safety Key and the Battery, turn the Mower over, and check the Wheels for damage.</li> </ul>
<i>The Battery loses its charge quickly.</i>	<ul style="list-style-type: none"> <li>⇒ The Battery was probably not at full charge prior to Mowing. Charge the Battery, if necessary.</li> <li>⇒ <b>NOTE:</b> You will need to charge a new Battery at least five (5) times to achieve maximum cutting time.</li> <li>⇒ The grass may be too high or too thick for the cutting height. Raise the cutting height or narrow your cutting swath and try again.</li> <li>⇒ The Battery may be getting old. After some time, usually between three (3) and five (5) years, you will need to replace the Battery.</li> </ul>
<i>The Mower rear Bagger is collecting grass poorly.</i>	<ul style="list-style-type: none"> <li>⇒ The rear Bagger is full. Empty the Bagger, and clean it if necessary.</li> <li>⇒ The grass is too long or the Mower is cutting too low. Raise the cutting height.</li> <li>⇒ The Mower is moving too fast, slow down.</li> <li>⇒ The mesh holes in the rear Bagger are clogged, clean them out.</li> <li>⇒ The rear Bagger is wet. Allow it to dry thoroughly before using it again.</li> </ul>

## Troubleshooting Table - continued

PROBLEM	CORRECTIVE ACTION
<p>The Battery LED does not turn RED when the Charger is connected.</p>	<p>⇒ Unplug the Battery Charger from your standard 110V wall outlet and from the Charger Receptacle on the Battery. Inspect the Battery Charger for any visible signs of damage to the body and the cord. If you observe damage to the Battery Charger, please discontinue use.</p> <hr/> <p><b>⚠ WARNING!</b></p> <p>Use of a damaged Battery Charger may cause a short circuit and the potential for a fire.</p> <hr/> <p>⇒ Inspect the Charger Receptacle on the Battery for any signs of visible damage or debris. If there is debris present, please use caution to remove the debris.</p> <hr/> <p><b>⚠ WARNING!</b></p> <p>Do not remove the debris with any metallic objects, damp or flammable items, or items that may become lodged in the Charger Receptacle as this may cause a fire, or explosion of the Battery. If you observe damage to the Charger Receptacle, please discontinue use.</p> <hr/> <p><b>TIP</b> → Use a vacuum equipped with a non-metallic nozzle to remove debris from the Charger Receptacle on the Battery.</p> <p><b>NOTE:</b> You can damage the Charger Receptacle by excessive force. It should not take a great amount of force to insert the round Charger Connector. Please do not force the round Charger Connector into the Charging Receptacle on the Battery.</p>
<p>The Battery Charger LED does not come on when plugged into a standard 110V wall outlet.</p>	<p>⇒ Unplug the Battery Charger from your standard 110V wall outlet and from the Charger Receptacle on the Battery. Inspect the Battery Charger for any visible signs of damage to the body and the cord. If you observe damage to the Battery Charger, please discontinue use.</p> <hr/> <p><b>⚠ WARNING!</b></p> <p>Use of a damaged Battery Charger may cause a short circuit and the potential for a fire.</p> <hr/> <p>⇒ Verify your Standard 110V wall outlet is functioning correctly by plugging a lamp or other electrical device into the same socket on the wall outlet you are intending to use.</p>

## Chapter 7: Parts Lists, Schematic Diagrams, and Warranty

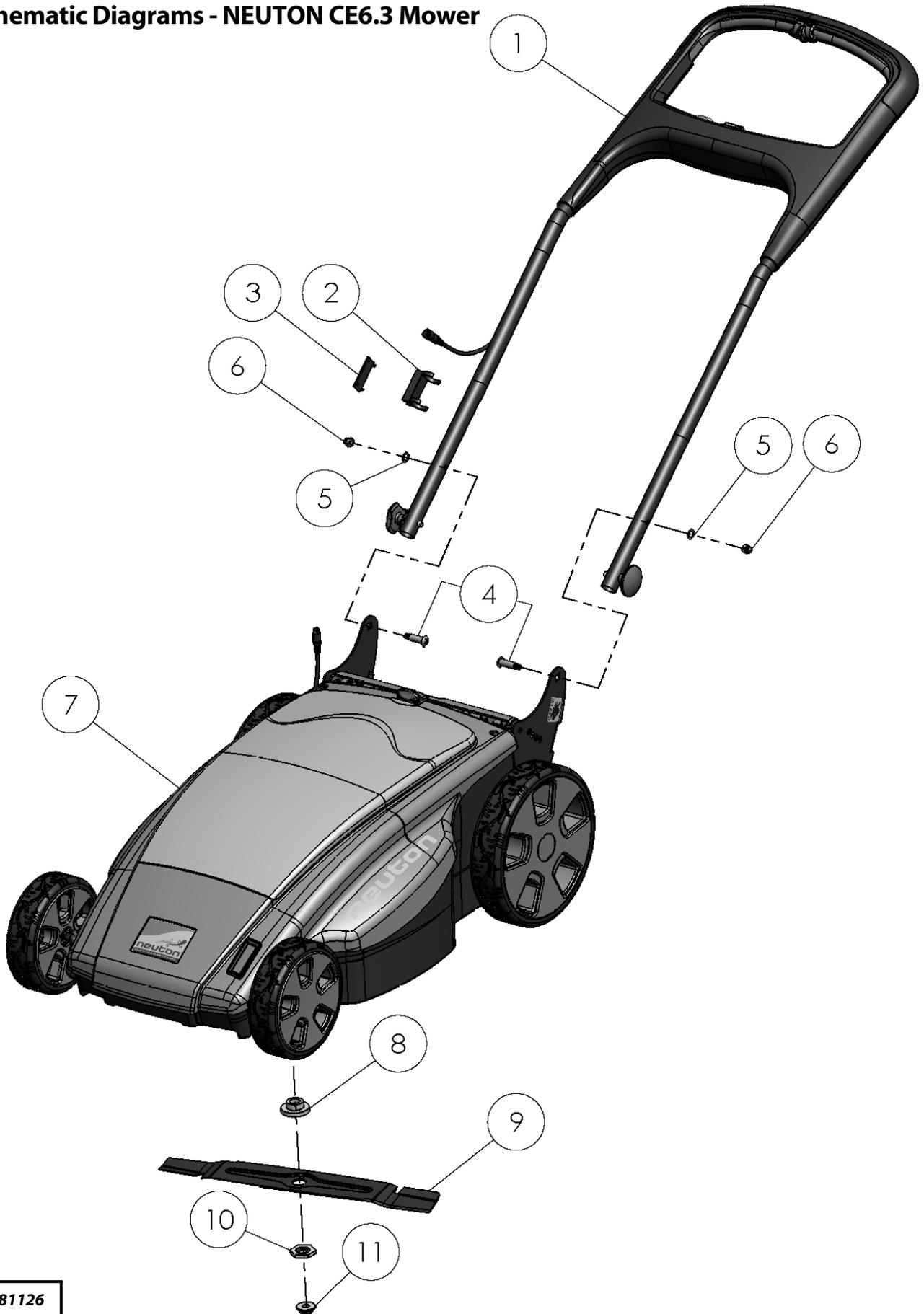
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### Parts List - NEUTON CE6.3 Mower

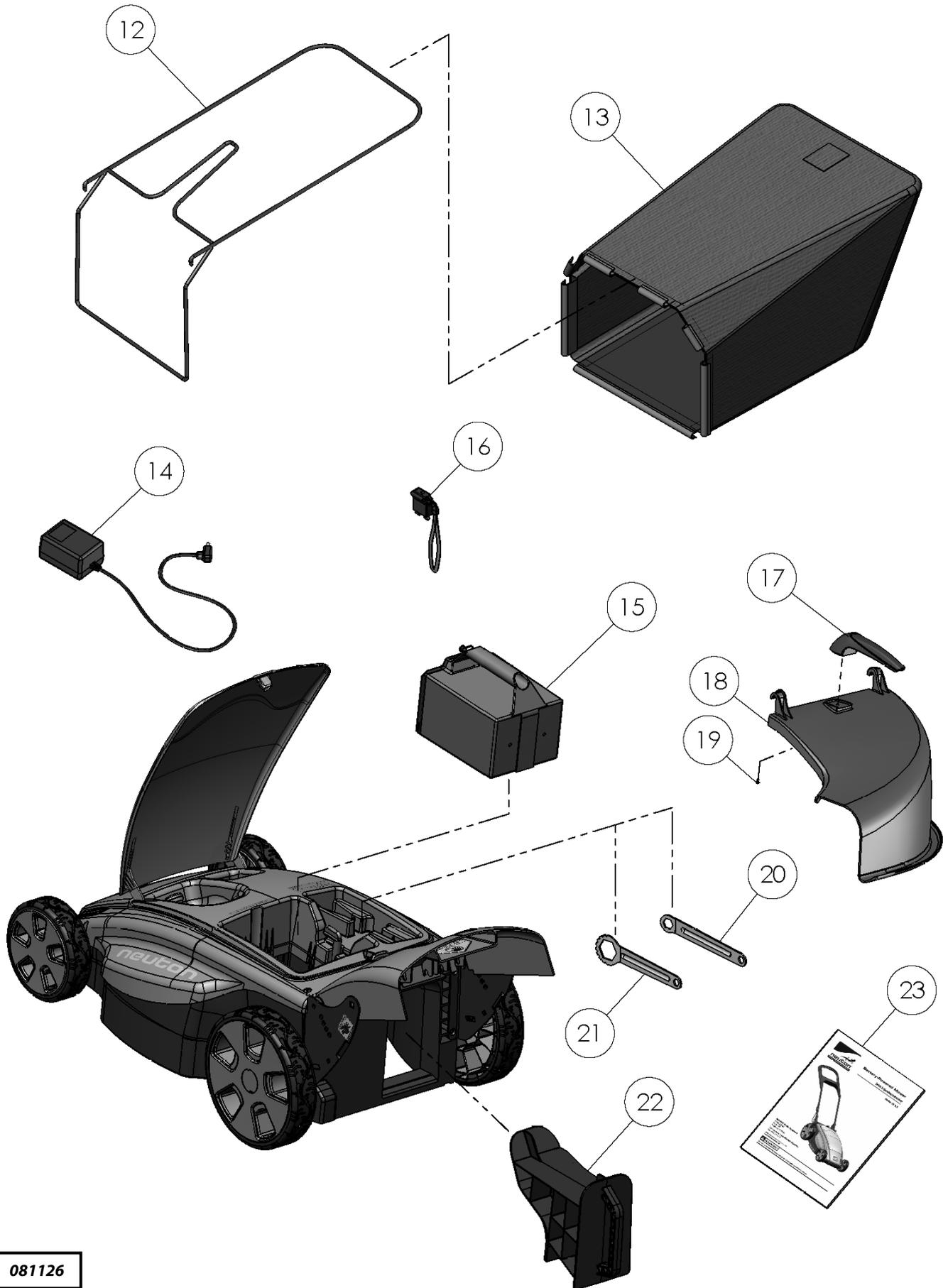
**NOTE:** Part numbers listed are available through Neuton Power Equipment.

<b>Ref#</b>	<b>Part#</b>	<b>Description</b>
1	263191	Upper Handlebar Assembly
2	260071	Cable Guide, Main Cable
3	262591	Lid, Cable Guide
4	262711	Bolt, Shoulder, 8 x 38 mm
5	260091	Washer
6	250051	Nut, Cap
7	260101	Mower Body Assembly
8	196731	Adapter, Blade
9	243161	Blade, Aero Cutting
10	196671	Adapter, Hex
11	243611	Nut w/Flange, Blade
12	238801	Frame, Rear Bagger
13	240071	Mesh, Rear Bagger
14	260601	Battery Charger, 36V
15	260591	Neuton Battery, 36V
16	175931	Safety Key
17	238841	Handle, Discharge Chute
18	238831	Discharge Chute
19	243701	Screw, Mounting, Discharge Chute Handle
20	240841	Wrench, 3/4"
21	259211	Wrench, 36 mm
22	260561	Plug, Mulching
23	256361	<i>Safety &amp; Operating Instructions Manual</i>

# Schematic Diagrams - NEUTON CE6.3 Mower



081126



081126

# 2-Year Limited Warranty

## Terms and Conditions

The NEUTON® CE 6.3 Battery-Powered Mower is warranted for two (2) years against defects in materials or workmanship when put to personal residential household use.

For the purposes of the warranty, “personal residential household use” refers to non-commercial residential use and further excludes misuse, accidents, or damage due to inadequate maintenance.

Neuton Power Equipment certifies that the NEUTON® CE 6.3 Battery-Powered Mower is fit for ordinary purposes for which a product of this type is used. Neuton Power Equipment however, limits the implied warranties of merchantability and fitness in duration to a period of two (2) years in personal residential household use.

The 2-Year Limited Warranty on the NEUTON® CE 6.3 Battery-Powered Mower starts on the date the machine shipped from our factory. The 2-Year Limited Warranty is applicable only to the original owner.

The owner is responsible for the performance of all the required maintenance as defined by the manufacturer’s owner manual.

The owner is responsible for the replacement of normally wearing parts including the Blade, Battery, and the Bagger Mesh. The Battery carries a one (1) year limited warranty.

During the warranty period, the owner is responsible for all shipping and transportation charges, if required.

SOME STATES DO NOT ALLOW LIMITATIONS ON THE LENGTH OF IMPLIED WARRANTIES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.

Neuton Power Equipment shall not be liable under any circumstances for any **incidental or consequential damages or expenses** of any kind, including, but not limited to, cost of equipment rentals, or cost of hiring services to perform tasks normally performed by the NEUTON® CE 6.3 Battery-Powered Mower.

SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE.

**NOTES:**

## Daily Checklist and Storing for your NEUTON Mower

To help maintain your NEUTON Mower for optimum performance, we recommend you follow this checklist each time you use your machine. Also, follow the checklist for storing the machine.

### **WARNING!**

Do not insert the Safety Key until you have completed all of the daily checks and you have moved the Mower to the area that you are going to mow.

- [ ] **BATTERY:** Make sure the Battery has a full charge.
- [ ] **INSPECT:** Before inserting the Safety Key, check under the Mower Deck and make sure that the Blade is attached securely. Inspect for any visible damage to the Blade or Deck. Inspect the Mower Blade and clean it to remove any debris (such as grass or twigs) that might be clinging to the Blade from its last use. For the best performance and longest life of the Blade, it is best to clean the Blade of any clinging debris after each use. Always follow the safety precautions when cleaning the Blade.  
Make sure all Knobs, Bolts, Attachments, Guards, and Covers are in place and securely attached.  
Make sure the Control Bar is clean and operating smoothly. See page 16.  
Make sure the Motor shuts off when you release the Control Bar.
- [ ] **NOISES:** If you notice anything unusual, such as a vibration or odd sound, shut the Mower down immediately. Remove the Safety Key and, following all safety procedures, inspect the Mower Blade and underside of the Mower for any obstructions.  
If you cannot find the cause of the problem or are uncertain what to do, then have the Mower inspected by a qualified repair shop before using it or visit our website at [www.neutonpower.com](http://www.neutonpower.com).
- [ ] **MOWING:** If you are uncertain whether the grass you want to cut is too long or thick for optimal cutting, raise the Blade Height and mow the yard in multiple passes, cutting it slightly shorter each time. It is best to mow more frequently, rather than let the grass become excessively long.  
Push the Mower (before starting it) to the lawn area that you wish to mow.

**NOTE:** *The length of time that a Battery can hold a charge while mowing depends upon lawn conditions; tall or thick grass makes the Mower work harder causing the Battery to discharge faster.*

## Storing

- [ ] Always store the Battery with a full Battery charge.
- [ ] Always store the Battery in a **DRY** environment where the temperature is between +5°F (-15°C) and +104°F (+40°C). Make sure the storage temperature will never be outside these limits. Store the Battery separate of the Mower.
- [ ] Do not store the Mower or Battery near chemicals, such as fertilizers, organic or other solvents. These products are often highly corrosive and may cause permanent damage to your Mower and Battery.
- [ ] Always keep the Safety Key in a safe place away from children and separate of the machine.
- [ ] Always make sure the Power/Mode Switch is in the center, OFF position.
- [ ] During long-term storage of Batteries that are intended for reuse, periodically recharge the Battery, as recommended in "Chapter 4: Charging and Caring for the Battery".

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### **Documentation**

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## Neuton Power Equipment

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