



**500W/800W/1000W**



**USER MANUAL**



# IMPORTANT

## BATTERY CARE

1. Make sure that your **Evo 500/800/1000** is fully charged prior to initial use. The first charge should take approximately 6-8 hours. Do not remove the charger once the green light is illuminated; wait for the full 6-8 hour charge period.
2. Always charge your **Evo 500/800/1000** after every use.
3. Turn the key to the OFF position when not in use.
4. DO NOT leave your **Evo 500/800/1000** charging for more than 12 hours.
5. Should you wish to store your **Evo 500/800/1000** charge it beforehand and make sure to charge once every 14 days.

This manual contains vital information regarding product care as well as best riding practices, riding conditions, and precautionary measures. Read through this entire manual before riding, and make sure to heed all warnings, failure to do so may result in your **Evo 500/800/1000** not being covered by warranty.

# WARNINGS

The Evo 500/800/1000 is not intended to be used on public roads where there are cars, buses, taxis or any other licensed motor vehicles. Make sure to familiarize yourself with the traffic rules and regulations in your area to determine where it is safe for you to ride your scooter.

Riding the **Evo 500/800/1000** can result in serious injury or even death regardless of the ability of the rider, any factory fault, any precautions taken or conditions in which they [the rider] were riding in. Make sure to check that all nuts and bolts are tight before use, that your brakes are in proper working condition, and that you are both able and competent to handle this scooter. Parents should be made aware that this scooter is not for children under the age of 16, and further still, that riders above this age should show a suitable degree of awareness, skill and ability to handle a ride-on of this nature.

**Do not exceed the weight limit of 100kg.**

## Riding Conditions, Method and Appropriate Apparel

Make sure to use proper riding attire in the form of elbow and knee pads as well as a helmet and appropriate footwear. Gloves and goggles are recommended.

Riders will become accustomed to riding the **Evo 500/800/1000** over time, accidents can occur when given to someone who has never ridden a scooter before. Exercise caution when allowing a first time rider to get onto the **Evo 500/800/1000**. The rider should be instructed on how to ride the **Evo 500/800/1000** [see full details on how to ride the scooter on page 4].

Use caution when riding, and make sure to always be aware of your surroundings so as to avoid any pedestrians, other riders, animals or fixed obstacles that may cause you, or that you may cause, any injury. The **Evo 500/800/1000** is not designed to withstand any extreme manoeuvres. Do not attempt to perform any tricks, wheelies, bunny hops or any other extreme manoeuvres on the **Evo 500/800/1000**. Evidence of such abuse will render your warranty void.

Assess riding conditions before making use of the **Evo 500/800/1000**, and do not ride through any gravel, mud, water, sand or on any off-road surface. Do not ride your **Evo 500/800/1000** in the rain, or in any other adverse weather conditions. The electrical and drive components could be damaged by riding through the aforementioned elements or surfaces and will render your warranty void.

# How to Ride Your Evo 500/800/1000

The **Evo 500/800/1000** has a variable speed accelerator (throttle) like that found on a motorcycle. You can control your speed precisely by slowly opening the throttle. Opening the throttle further will result in increased speed. Do not snap the throttle open suddenly as this will rapidly project the scooter forward. This may result in you losing control of the **Evo 500/800/1000** and can result in damage to property or cause you serious injury.

Before turning the key on make sure your scooter is aimed towards an open space with nothing in front of you. Put one foot on the deck and hold the handlebars firmly. Familiarise yourself with the brakes before turning the key. Once you are ready to ride turn the key to the ON position. Hold the accelerator firmly and slowly twist it open. As the scooter starts to move forward and you have enough speed to balance, place your second foot onto the deck. Slowly open the throttle until you get to the required speed for the conditions in which you are riding, whilst maintaining a speed suitable for your ability. Build your speed up gradually as you become familiar with the scooter. Practise using the brakes while you are going slowly. Avoid opening the throttle to its maximum until you are well accustomed to the scooter's handling and braking. Fully opening the throttle will result in your batteries discharging rapidly, and your range will be adversely affected.



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# Familiarising yourself with Your Evo 500/800/1000

1. Throttle
2. Brake
3. Folding Handle
4. Front Shock Absorber
5. Disc Brake
6. 500W/800W/1000W Motor
7. Seat
8. Quick Release Deck
9. On/Off switch
10. Rear Twin-Shock Suspension
11. Battery Pack
12. Charger
13. Evo 500/800/1000 Pack

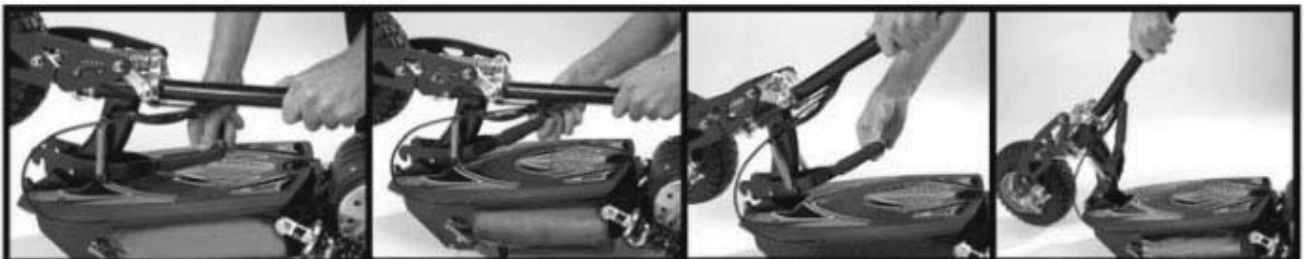


## Getting Started

### How To Unfold Your Evo 500/800/1000

To unfold the **Evo 500/800/1000**, push the lever down with one hand while gently pulling the steering column upward with the other hand.

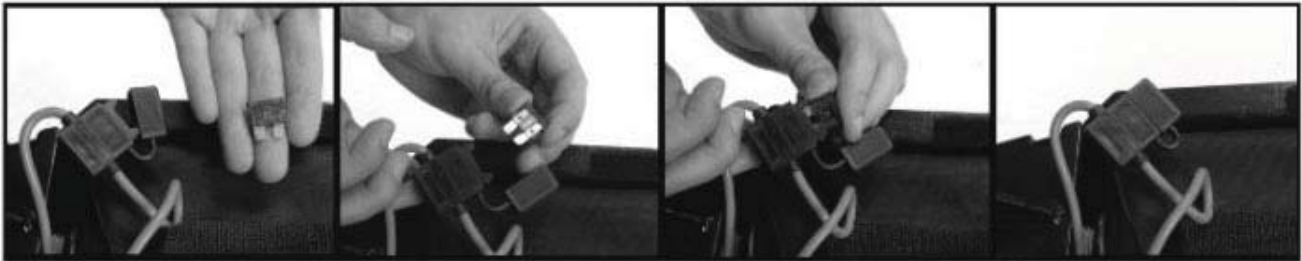
Extend the steering column fully until you feel the locking mechanism click into place.



## Fuse Installation

Before you begin assembling your **Evo 500/800/1000**, please ensure that you have installed the fuse that can be found in your **Evo 500/800/1000** pack.

To install, remove the fuse from the pack, lift the deck of the **Evo 500/800/1000**, and insert into the slot provided.



## Installing the Handlebar

Place the handlebar on the steering column and align to make sure that the wheel is exactly perpendicular to the handlebars.

Tighten the Allen bolts well using an Allen key.

If you find that the handlebars are tight around the steering column, use a large, flat screwdriver to assist you in widening the clamp.

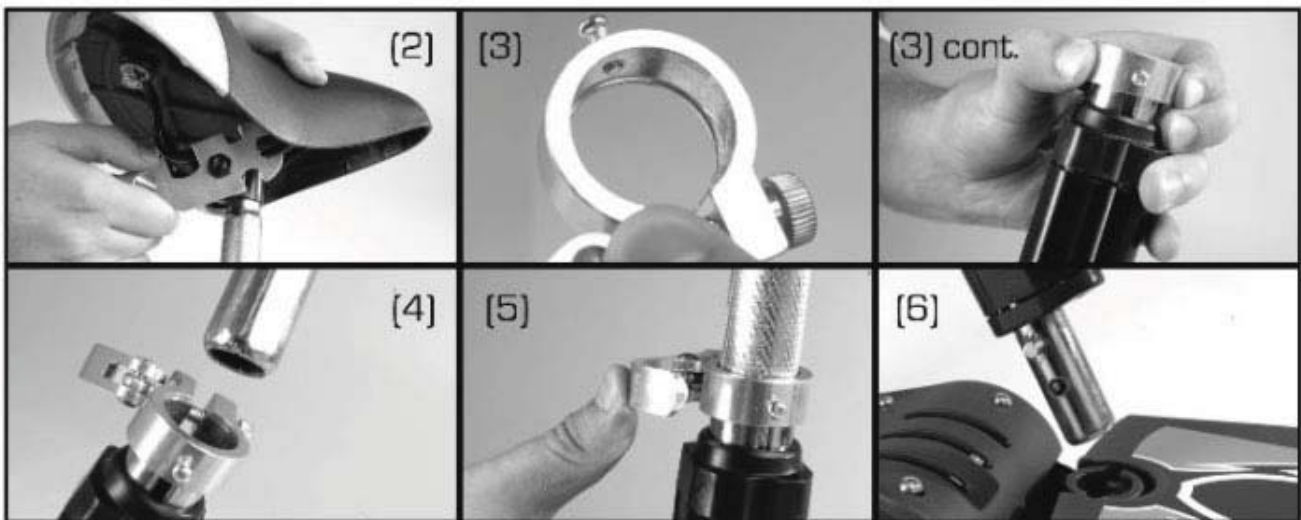
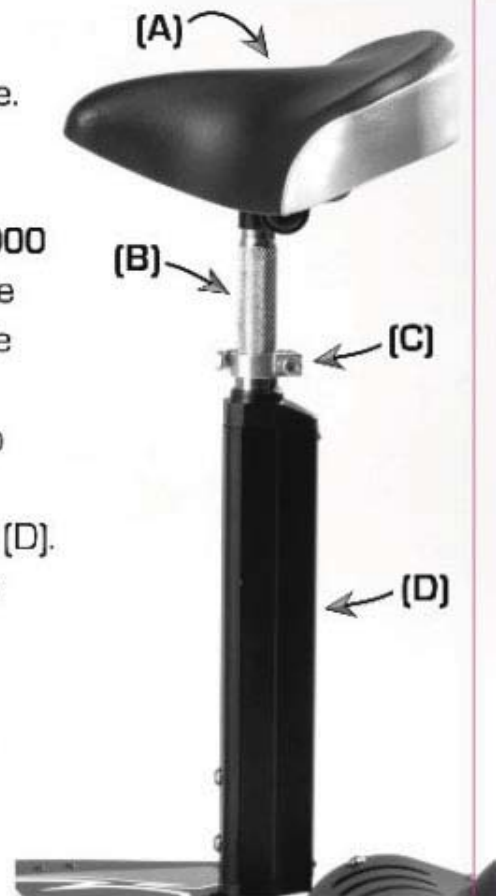


## Installing the Seat

### Steps:

1. Remove the steel stem from the black seat base.
2. Place the seat (A) on the steel stem (B) and tighten.
3. Place the clamp (C) (found in your **Evo 500/800/1000** pack) on the top of the black seat base (D). Make sure you put the correct end of the clamp on the seat base. You will see a lip on the inside of the clamp, this lip indicates the top end of the clamp (see image below).
4. Insert the steel stem (B) into the black seat base (D).
5. Tighten the clamp and tighten the fore screw to keep the seat in place.
6. Insert the seat into the scooter deck.
7. Tighten all bolts on the plastic seat stem cover.

Remember to keep the area into which the seat is inserted clean and greased or else you will find it difficult to remove the seat and access the batteries.



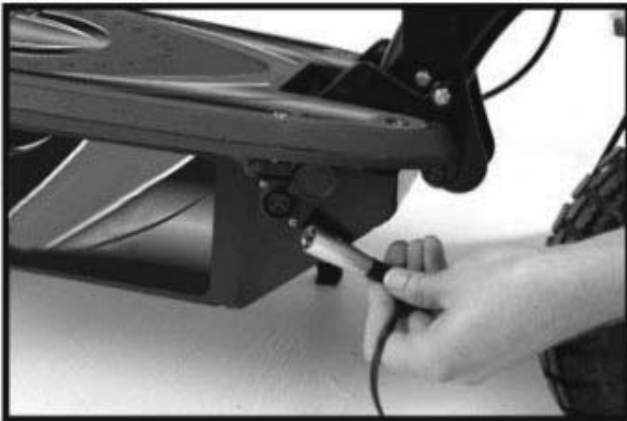


## Charging

To charge, plug the charger in the wall, and the charger into the charging port located on the right hand side of the **Evo 500/800/1000** just beneath the deck.

When charging your **Evo 500/800/1000** for the first time, it is recommended that the unit be charged for 6-8 hours prior to first use. You may notice that the green light comes on, leave the unit charging for the full 6-8 hours before unplugging.

After the first charge, charge your **Evo 500/800/1000** until the green light appears. The **Evo 500/800/1000** may be left charging for up to 12 hours. Please do not exceed this period as your batteries may suffer irreparable damage and this treatment will render your warranty null and void.



## Battery Care

1. For the first charge your **Evo 500/800/1000** must be left to charge for 6-8 hours.
2. From there onwards charge your **Evo 500/800/1000** until the green light appears on the charger. Do not keep the charger plugged in for a period longer than 12 hours, this may cause irreparable damage to your batteries and will not be covered by warranty.
3. Do not allow your batteries to go into "deep discharge". This occurs when a riders ignores the LED signals (red when riding, yellow and red or just red when not riding) and continues to ride the **Evo 500/800/1000** and does not charge the unit immediately. This will cause irreparable damage to your batteries and will not be covered by warranty.
4. Make sure that you charge your **Evo 500/800/1000** prior to storing it. Make sure that you charge it at least once every 14 days. Not charging the **Evo 500/800/1000** every 14 days may result in causing irreparable damage to your batteries which will not be covered by warranty.

To increase the range on your batteries, be sure to charge the **Evo 500/800/1000** whenever the scooter is not in use. On returning from a ride, charge your **Evo 500/800/1000** right away. Consistent charging will build up the range of your batteries.

## Before Riding

Make sure that your tyres are pumped up to the correct pressure before riding. The correct pressure for your **Evo 500/800/1000** is 2 bar.

Check that the wheels spin freely and that the brakes are not catching at any point.

## Onboard LED

The onboard LED, attached to the throttle of your **Evo 500/800/1000**, assists in showing how much power is left in your battery system.

When the unit is fully charged and not in motion the green, yellow and red lights will be illuminated. When you step onto the scooter, twist the throttle, and begin to move, only the red and yellow lights will be illuminated. If when you turn on your **Evo 500/800/1000**, only the yellow and red, or only the red light is illuminated, it means that your **Evo 500/800/1000** requires charging and you must charge your scooter before riding it. If while riding and under acceleration, you notice that the orange light is off and only the red light is on, return and charge your scooter immediately to avoid "deep discharge".



## Suspension

Your **Evo 500/800/1000** is equipped with a shock absorber in the front and a twin-shock suspension in the rear. The twin-shock suspension can be adjusted for comfort depending on the weight of the rider. Make sure that the linkage bolts on the front shock absorber are fairly tight and there is no play, do not overtighten.

## Adjusting Your Rear Suspension

To adjust the rear suspension tighten/loosen the adjustment nut.

Please do not attempt to adjust the shock absorber.

Make sure that the nuts and bolts on the shock absorber are tight enough that there is no play.



## Brakes

The **Evo 500/800/1000** has a front and rear wheel cable-disc brake system. To apply the rear brake, pull the left brake lever. To apply the front brake, apply the right brake lever. Good riding practice is to apply the rear brake first and then the front. Best stability is attained by using both brakes.

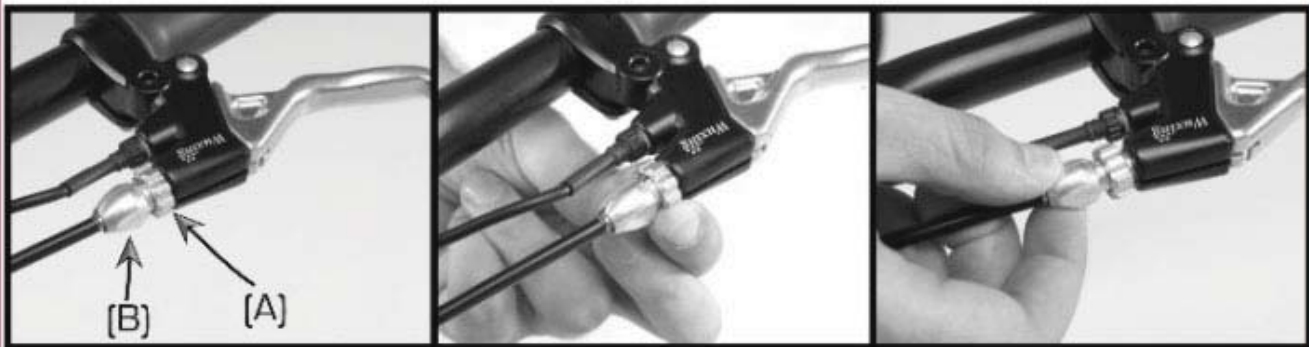
**IMPORTANT:** Do not allow any oily product to come in contact with the disc brake as this will ruin your brake system. Further, if you hear a screeching sound stop riding your scooter and visit the nearest Service Centre immediately. The brake pads on your **Evo 500/800/1000** have worn down and further application of the brakes will damage the brake rotor.

## Adjusting Your Brakes

To tighten your brakes, loosen the lock nut (A) until it spins freely. Now turn the tensioning bolt (B) outwards until the brake is correctly adjusted. Finally, tighten the lock nut to lock the adjustment in place.

To loosen your brakes, loosen the lock nut (A). Turn the tensioning bolt (B) inward and the brake will loosen. Now tighten the lock nut to lock the adjustment in place.

**IMPORTANT:** Please do not attempt to adjust the brakes at the brake caliper. This is a specialized operation that should only be done at your Service Centre.



## Chain Care

Proper chain care will increase the life and improve the performance of your **Evo 500/800/1000**.

1. Always keep the chain lubricated with a good chain spray (either motorcycle or bicycle-grade).
2. Make sure that the chain is tight with about 2-3mm of play.
3. It is recommended that you do not attempt to tighten the chain yourself, but rather visit the Service Centre for this adjustment as this is a specialized operation.
4. Incorrectly aligning the rear wheel and/or overtightening the chain will cause damage to the scooter that will not be covered by your warranty.

## Service

It is highly recommended that you visit your nearest Service Centre to give your **Evo 500/800/1000** a service every 3 months. Please call 0861 77 88 88 to find out where your nearest Service Centre is.

# Trouble shooting

Problem	Solution	If solution doesn't work
<p><b>Scooter will not go:</b></p> <p>- Are battery lights near accelerator on?</p>	<p><b>Yes:</b></p> <ol style="list-style-type: none"> <li>1. Check brake handles for damage to cut off switch.</li> <li>2. Open deck cover, free wiring harness by cutting cable ties and check all contacts.</li> </ol> <p><b>No:</b></p> <ol style="list-style-type: none"> <li>1. Open deck cover and check fuse.</li> <li>2. Free wiring harness by cutting cable ties and check all contacts.</li> </ol>	<p style="text-align: center;">Take scooter to Service Centre</p>
<p><b>Performance and Range of scooter has decreased</b></p>	<ol style="list-style-type: none"> <li>1. Scooter is overloaded. Keep to the 100kg weight limit.</li> <li>2. Hill is too steep. Max range is attained on flat ground, avoid steep hills.</li> <li>3. Scooter was used in an off-road environment. Use your scooter on hard ground only.</li> <li>4. Check that tyres are inflated to 2 bar.</li> <li>5. Check that wheels are spinning freely and brakes are not catching.</li> </ol>	<p style="text-align: center;">Replace batteries</p>
<p><b>Brakes are not working</b></p>	<p>Adjust lock nut and tensioning bolt on brake handle. (Do not attempt to fiddle with the brake caliper. Doing so will void your warranty).</p>	<p style="text-align: center;">Take scooter to Service Centre</p>
<p><b>Handlebars not aligned to front wheel</b></p>	<p>Loosen handlebar clamp on steering tube, re-align and retighten.</p>	<p style="text-align: center;">Take scooter to Service Centre</p>
<p><b>Seat is loose</b></p>	<p>Tighten seat bolts.</p>	<p style="text-align: center;">Take scooter to Service Centre</p>
<p><b>Chain is noisy</b></p>	<p>Apply chain oil.</p>	<p style="text-align: center;">Take scooter to Service Centre</p>
<p><b>Chain is very loose</b></p>	<p>Take scooter to Service Centre. A loose chain is a good indication that it is time for a professional service. (Do not attempt to adjust the chain. Doing so will void your warranty).</p>	<p style="text-align: center;">N/A</p>
<p><b>Chain falls off</b></p>	<p>Take scooter to Service Centre.</p>	<p style="text-align: center;">N/A</p>

# Charging of Batteries

Problem	Solution	If solution doesn't work
Batteries are not charging after use (charger light stays green and won't go red)	<ol style="list-style-type: none"><li>1. Clean and check both ends of the charger plug. Make sure they fit snugly and are not worn.</li><li>2. Open deck cover, free wiring harness by cutting cable ties and check charging wire contacts.</li></ol>	Take scooter to Service Centre
Charger light not working	<ol style="list-style-type: none"><li>1. Check the AC plug is making good contact and that the power is on.</li><li>2. Check power cable for breakages.</li></ol>	Replace Charger

For Warranty or Support, Contact Big Toys USA  
<http://support.bigtoysusa.com>