

# Emmo Urban

## Owner's Manual



GREEN YOUR LIFE

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## E-bike MTO Label

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**THIS VEHICLE IS A POWER  
ASSISTED BICYCLE AND  
MEETS ALL THE  
REQUIREMENTS UNDER  
SECTION 2(1) OF THE  
CANADA MOTOR VEHICLE  
SAFETY REGULATIONS.**

**CE VÉHICULE EST UNE BICYCLETTE  
ASSISTÉE ET RECONTRE LA NORME 2(1)  
DU RÈGLEMENT SUR LA SÉCURITÉ  
DES VÉHICULES AUTOMOBILES DU CANADA.**

**WARNING!**

**Please make sure this MTO label is on your e-bike. If this label is not present, please ask your dealer to put one on. All electric bicycles are required to have this sticker on the bike for it to be a legal vehicle.**

# Specifications

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<b>Color:</b>	Black; White; Red; Orange; Yellow; Green
<b>Dimension (LxWxH):</b>	1650 x 710 x 1220
<b>Wheel Size:</b>	18"/2.5"
<b>Net Weight:</b>	55 kg
<b>Maximum Speed:</b>	32 km/h
<b>Travel Range:</b>	50(Lead Acid 12Ah)-70(Lithium 20Ah) km*
<b>Charging Time:</b>	3-8 Hours (Lead Acid) / 3-6 Hours (Lithium)
<b>Climbing Angle:</b>	16(Lead Acid Version) - 18( Lithium Version) Degrees
<b>Load Capacity:</b>	140kg (Lead Acid Version)/180kg (Lithium Version)
<b>Motor:</b>	Maximum 500W Brushless / 48V DC
<b>Battery:</b>	48V/14Ah Lead Acid / 48V/14Ah LiFePO4 (14L) / 48V/20Ah LiFePO4 (20L)
<b>Charger:</b>	AC100-120V, Smart Charger (Battery maintained while charging)
<b>Front Brake:</b>	Drum Brake
<b>Rear Brake:</b>	Drum Brake
<b>Lock System:</b>	Remote Alarm / Remote Starter / Key ignition lock / Steer lock / Motor Lock
<b>Meter &amp; Indicator:</b>	LCD Screen, Speedometer, Battery Strength Indicator, Light Indicator
<b>Lighting System:</b>	Headlight w/High Beam, Turning Signals, Brake Light, Tail Lights, Indicator Back Light
<b>Storage:</b>	Lockable Front Box / Tail Box (option)

\* Travel range is based on riding on level ground, no stops, no winds, warm temperatures for a 175lb rider with no extra cargo.

# Charging the Bike (Lead Acid Battery)

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There are two different plugs on your charger: one end that goes into an 110V power outlet, and the other into the charger port.

1. Take one end of the charger and plug it into the charger port located on the bike (Please make sure that it is fully plugged in)
2. Plug the other end of the charger into the power outlet.
3. Confirm that the charging indicator turns red.

Note: When the battery is fully charged, the charging indicator will turn green.

4. Unplug the charger from the power outlet.
5. Unplug the charger from the battery/bike.

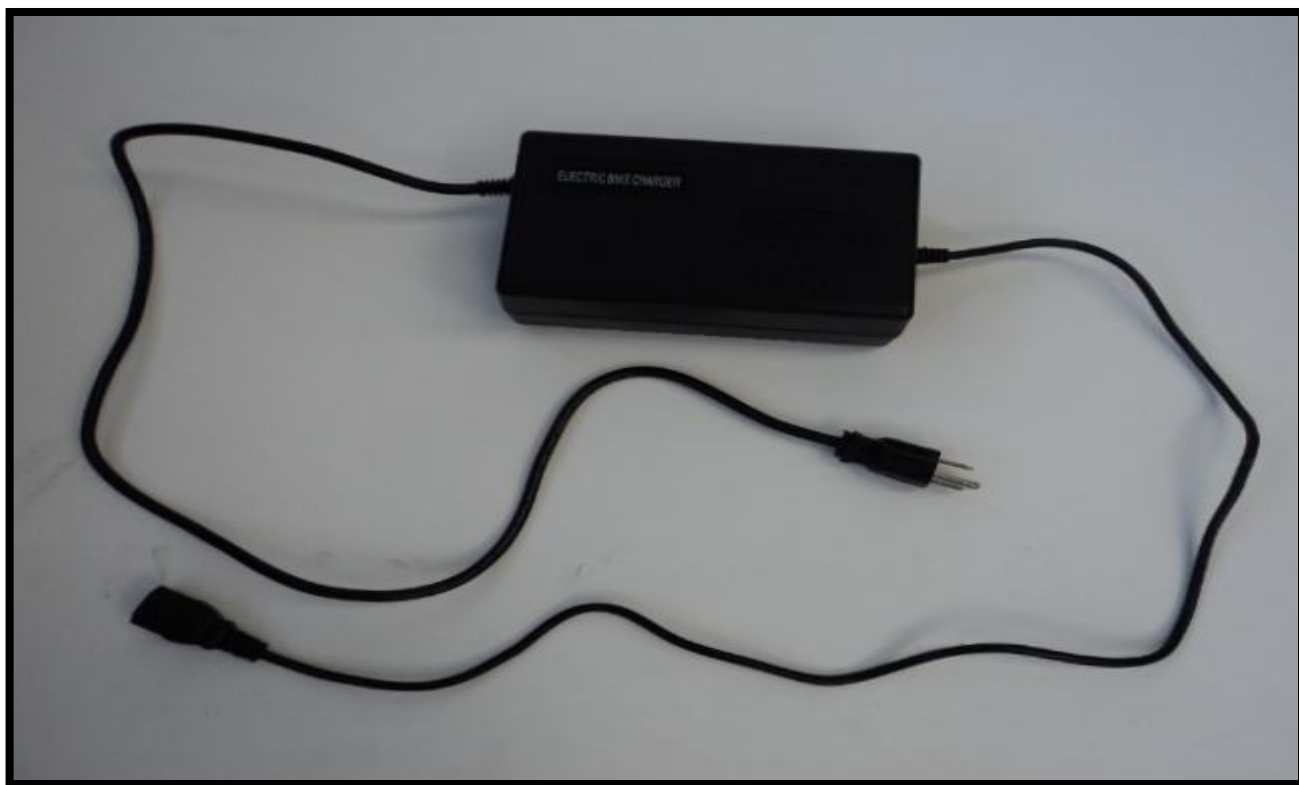
Note: The charger light must be red when both plugs are plugged in. It will always turn red first if the bike has been used. It will turn green after it is fully charged.

## **WARNING!**

**Charge the bike for no more than 8 hours.**

**Fully charge the bike once a month during long periods of inactivity. (i.e. during the wintertime)**

# Lead Acid Battery Charger







### **Charging the Bike**

There are two ways to charge the Emmo Urban.

1. As indicated on **page 6**, you can remove the battery from the bike and charge the battery directly. To do so, you must unlock the seat and unplug the power cable from the battery itself, and then you can remove the battery by using the battery handle to pull it out. After the battery has been removed, plug the charger into the battery first then plug the other end into an outlet to charge the battery.
2. To charge the Urban without having to remove the battery from the bike, plug your charger into the socket that is underneath the seat and between the shocks (as indicated by the circle in the image above), then plug the other end of the charger into an outlet.



### **WARNING!**

**\*CHARGING THE E-BIKE SHOULD TAKE A MAXIMUM OF 8 HOURS.**

**\*DO NOT CHARGE THE E-BIKE FOR MORE THAN 12 HOURS. OVERCHARGING WILL OVERHEAT THE CHARGER, AND WILL RESULT IN THE CHARGER DAMAGING THE BATTERY.**

**\*MAKE SURE TO FULLY CHARGE THE E-BIKE ONCE A MONTH DURING LONG PERIODS OF INACTIVITY (i.e. WINTERTIME).**

# Charging the Bike (Lithium Battery)

Charging the battery is done from the charger port located on the battery itself. The charger is separated into two different parts: A cable with one end that goes into a 110V power outlet, and the other end that goes into the charger box itself, the charger box with a cable that plugs into the bike (page 9).

1. Take the cable from the charger box and plug it into the charger port located on the bike/battery.

**Note: The LED1 light should turn red.**

2. Plug one end of the separate cable into the charger box.
3. Plug the other end of the cable into a power outlet.
4. Confirm that the charging indicators turn red. (Both LED1 and LED2 lights should be red)

**Note: When the battery is fully charged, the LED2 light will turn green.**

5. Unplug the charger from the power outlet.
6. Unplug the charger from the battery.

**Note: The charger light must be red when both plugs are plugged in. It will always turn red first if the bike has been used. One light will turn green after it is fully charged.**

## **WARNING!**

**Charge the bike for no more than 8 hours (lithium batteries).**

# Lithium Battery

There are many advantages of using Lithium Batteries instead of the standard Lead Acid Batteries:

- Lithium batteries are physically much lighter than Lead Acid batteries. (~20lbs compared to ~60lbs)
- As Lithium batteries are lighter than Lead Acid batteries, there is less physical weight on the bike, and therefore it takes less power to operate the bike. As such, the bike achieves a greater travel distance with Lithium batteries than it would with Lead Acid batteries.
- Lithium batteries charge faster than Lead Acid batteries. (6 hours maximum charge time as compared to 8 hours maximum charge time for Lead Acid batteries)
- Lithium batteries have a longer lifespan than Lead Acid batteries. (3-4 years vs. 2 years)

This model has the option of 48V/14Ah or 48V/20Ah lithium batteries as an option.



# Lithium Battery Charger



After plugging the separate cable into the charger box, plug the charger into the charger port on the bike. The LED1 light should turn red when the charger box is connected to the bike.

Plug the other end of the cable into a 110V power outlet. The LED2 light should turn red when the power source is connected.



The LED1 light stays red throughout, but the LED2 light turns green when the battery is fully charged.

**Front Brake**

When this lever is pulled towards the rider, the front brake activates.

**Back Brake**

When this lever is pulled towards the rider, the back brake activates.

**Tighten Brakes**

Turning this nut (shown by the white arrow) tightens or loosens the brake. Clockwise tightens the brakes while counter clockwise loosens the brakes

**Carrying Case**

This is the Urban's storage space, which can be opened through the keyhole indicated by the black arrow.

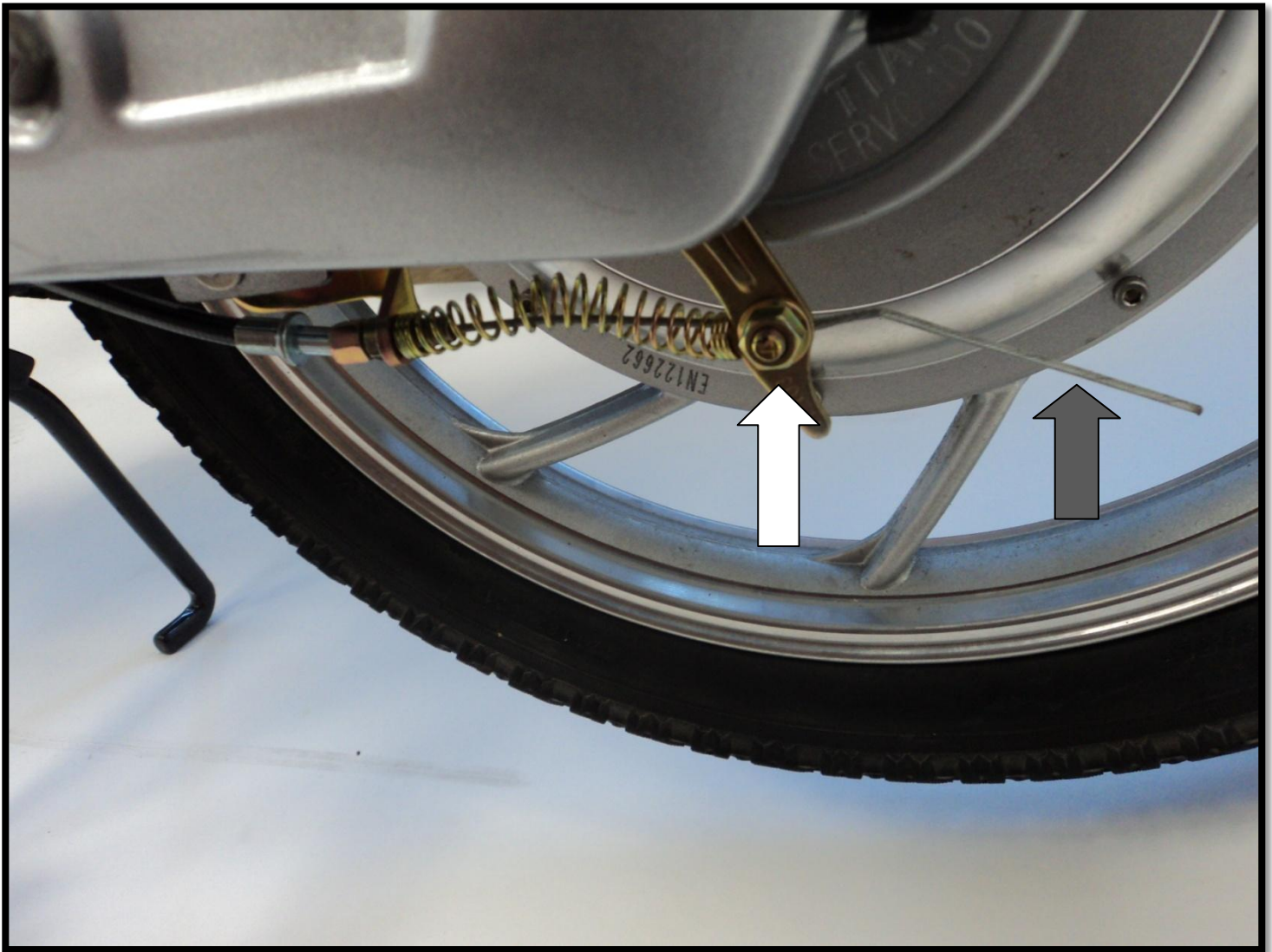
**Tire Pressure**

The recommended air pressure for the tires is 40 psi. Check the tire pressure once a month. Please note that the wheel is composed of two parts: the tire itself and the tube within.

**Note: Please also make sure that both front and back brake are not over tighten after adjustment.**

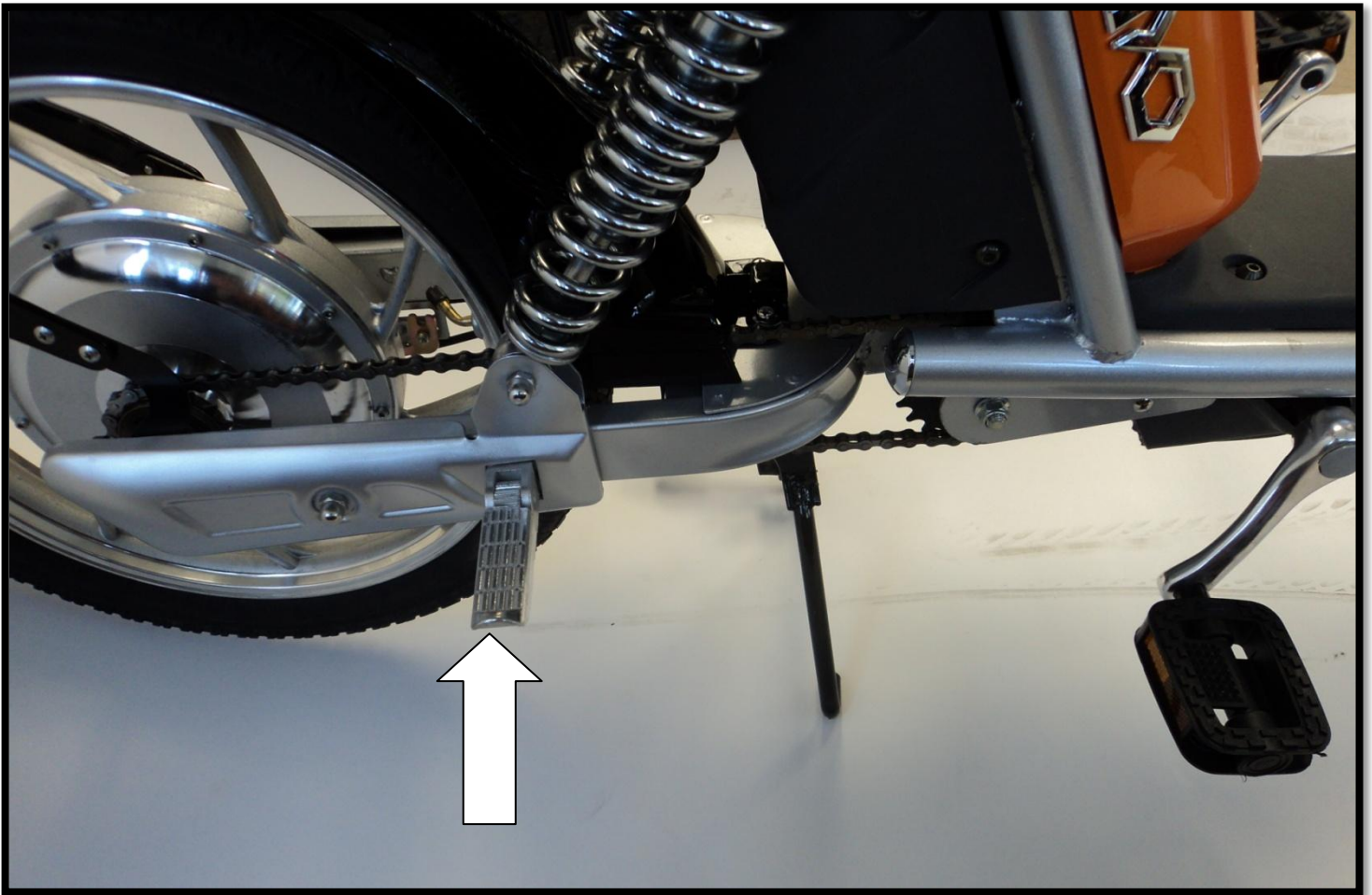
**When either brake is activated, all power to the motor will be disconnected. Always use the back brake first, then the front brake.**





### **Adjusting the Back Brake**

To tighten the back brake on the Urban, loosen the nut (as indicated by the white arrow) and pull the cable (as indicated by the gray arrow). After pulling the cable to the desired tightness, tighten the nut to secure position. To loosen the back brakes, simply loosen the nut, push in the cable to the desired tightness and then tighten the nut to secure the position.



### **Centre Stand**

The centre kick stand is better used for all situations. In order to engage the kickstand, apply pressure with your foot downwards and gently lift the bike upwards, NOT BACKWARDS.

### **Bike Chain**

Remember to grease the chains once a month.

### **Pegs**

The pegs (as indicated by the white arrow) can be folded up or down to accommodate a passenger.

### **WARNING!**

**The law requires all e-bikes to have pedals installed. If the pedals are off, these vehicles will be considered a motorcycle which does not follow the same regulations as e-bikes.**



### Seat

To open the seat, use the keyhole on the side of the bike (shown in the picture above on the left). Turn right to unlock the seat.

### Power Cable

The power cable (as indicated in the white arrow above, in the picture on the right) controls the power running through the bike from the battery. When the power cable is unplugged from the battery, it stops the power from flowing throughout the bike and vice versa. None of the electrical aspects will work on the bike if the power cable is unplugged.

### **WARNING!**

#### **FOR LEAD ACID BATTERY:**

**In the winter time, fully charge the bike and unplug the battery for maintenance. Fully charge the battery once a month to ensure maximum battery life.**

**Don't leave it uncharged for extended periods of time!**

#### **FOR LITHIUM BATTERY:**

**During long periods of inactivity, make sure that there is more than 25% power in the battery, then remove the battery from the bike.**





### **Key Positions in Ignition**

1. This is the 'on' position. This position is reached when the key is turned to the right, from the off position. The bike will turn on, and all functions on the handlebars will work.
2. This is the 'off' position. The key simply rests in the bike, and the bike is not turned on.
3. This is the handlebar lock position. This position is reached when the key is pushed in, and then turn to the left, from the off position. This locks the handlebar when it is turned half way to the left. (The handlebar must be turned half way to the left before the key will turn).

### **WARNING!**

**Do not turn on the bike without sitting on it first, otherwise you will risk touching the throttle by accident and having it run off by itself.**



**Note: If the bike is turned on using the remote start, it can only be turned off using the 'unlock' button on the remote.**

### Lock

This button locks the bike. When the bike is locked, any physical movement or vibrations to the bike will cause the alarm to sound. If the back wheel is moved when the bike is locked, the back wheel will lock up and the alarm will sound loudly.

### Unlock

This button unlocks the bike. It cancels all the functions of the 'lock' button. (Alarm sounding, back wheel lock) It also turns the bike off when the remote start is activated.

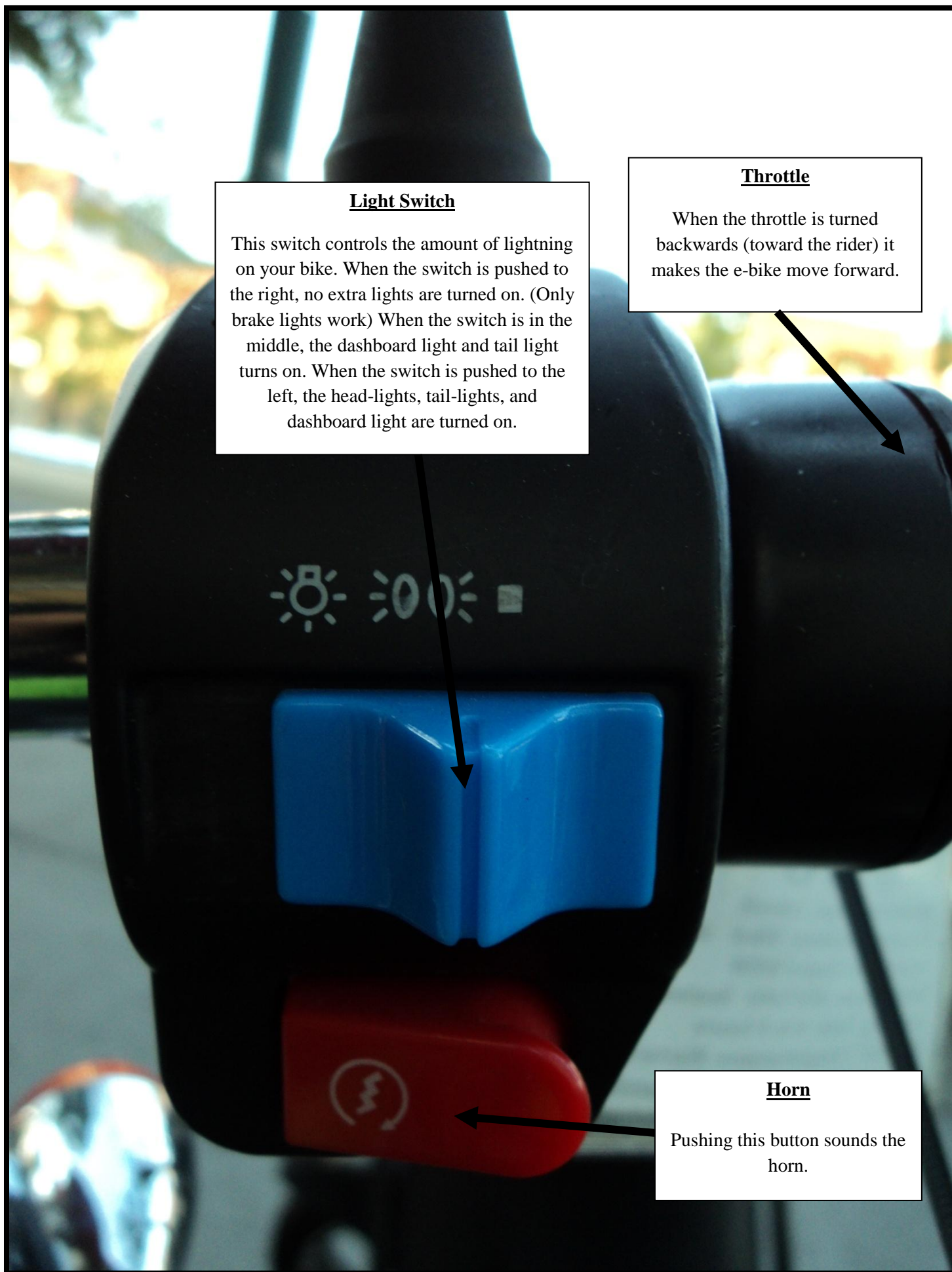


### Bell

When this button is clicked, the bell sounds. (Similar sound to the alarm) This button is useful for locating your bike.

### Remote Start

This button turns on your bike, without the use of the key, when it is clicked twice in succession. This performs the same actions as manually turning the key to the right in the ignition. (All the functions on the handlebar can be used).



**High/Low Beam Switch**

Pushing the switch up activates the high beams for the front headlights, pushing it down deactivate the high beams (make sure the light switch is on first).

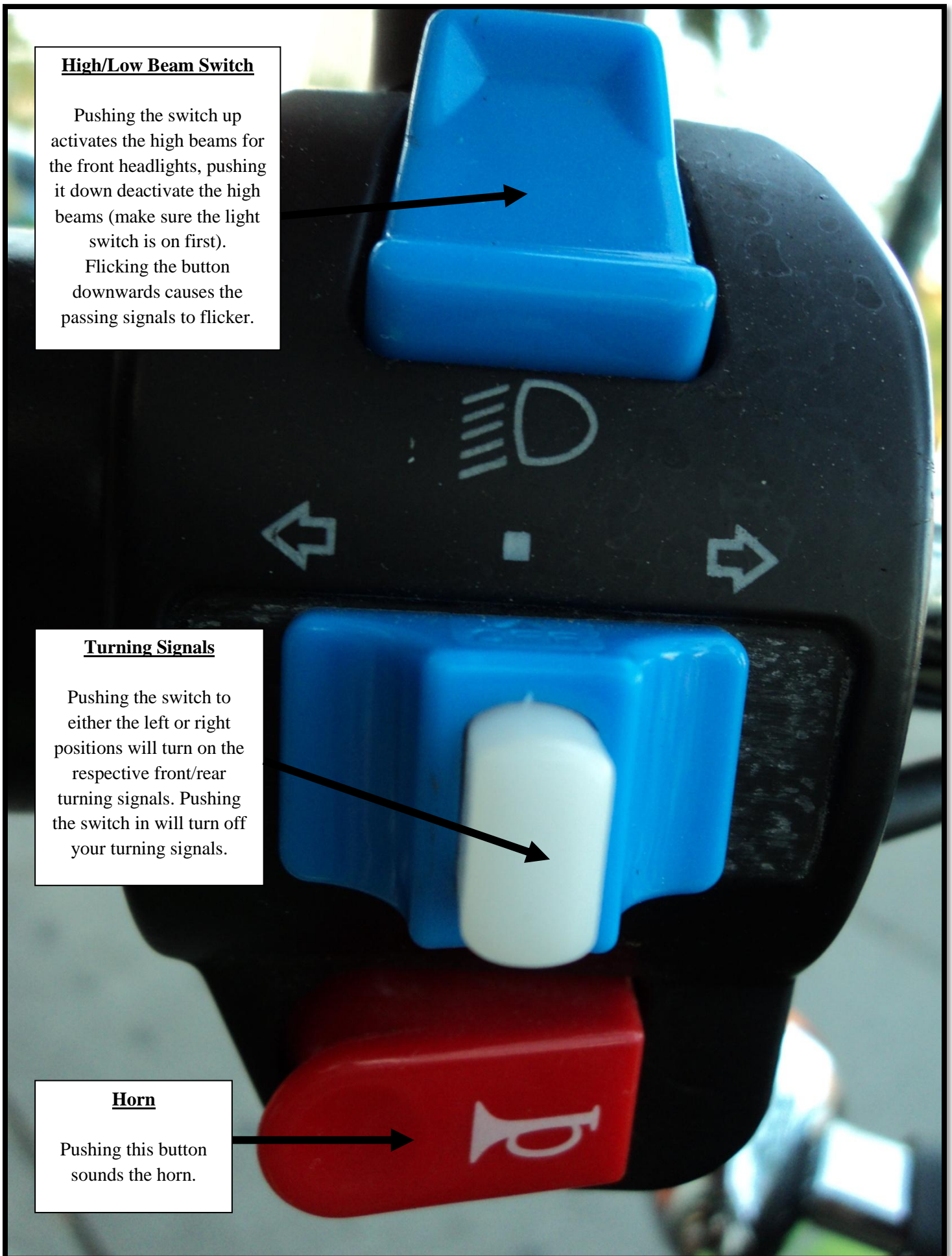
Flicking the button downwards causes the passing signals to flicker.

**Turning Signals**

Pushing the switch to either the left or right positions will turn on the respective front/rear turning signals. Pushing the switch in will turn off your turning signals.

**Horn**

Pushing this button sounds the horn.





**Speedometer**

This shows the speed you are going at once the bike is running.

**Power Gauge**

This meter demonstrates the remaining amount of electricity available in your battery. H indicates High energy and L indicates Low energy.

**Note: When you first turn on your e-bike, the battery life meter needle will go immediately to high (H) and will drop to its accurate level once you (sit on your bike and turn the throttle) driving the bike.**

**Light Indicators**

# E-bike Registration

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Once you have purchased an Emmo E-bike, please register your vehicle with us to validate your warranty.

In order to register your e-bikes, please follow the steps listed below:

## 1. Fill out the following form:

Invoice Number:

Purchase Date:

Motor Number:

E-bike Model and Colour:

Store Location:

Customer Name:

Home Address:

Phone Number:

E-mail:

Survey:

How did you find out about Emmo Inc.? (Please select the options that apply)

☐ Returning Customer    ☐ Family/Friend    ☐ Passing by Store    ☐ Kijiji  
☐ TERA    ☐ Google    ☐ Yelp    ☐ Other \_\_\_\_\_

**2. Send the information listed above to our e-mail: [info@emmo.ca](mailto:info@emmo.ca)**

**3. Wait for a confirmation e-mail from Emmo Inc.**

# Thank you for Choosing



## GREEN YOUR LIFE

### Connect With Us!

Stay tuned for updates regarding new e-bike models, special deals and more!

**Official Website:** [www.emmo.ca](http://www.emmo.ca)



[www.facebook.com/EmmoCanada](http://www.facebook.com/EmmoCanada)



[info@emmo.ca](mailto:info@emmo.ca)

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**Any laws/regulations regarding “E-bikes” can be found on the Ministry of Transportation website:**

[www.mto.gov.on.ca](http://www.mto.gov.on.ca)

**If you have further questions, please contact us at:**

**438 Spadina Avenue, Toronto ON**

**Toll Free: 1 888 510 3666 Tel: (416) 792-3227 Fax: (416) 792-6736**

**Email: [info@emmo.ca](mailto:info@emmo.ca)**