

EMMO

GREEN YOUR LIFE

USER'S MANUAL



EMMO
Zone S.3

CAUTIONS

This manual contains important safety, performance and service information. Read and understand it along with the information provided during the on-delivery instructions before using the product, and keep it for reference.

EMMO

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ABOUT EMMO

Established in 2009, Emmo Inc. is a proud Canadian venture that is focused on creating a more sustainable future by providing high quality electric bicycles. We offer a wide variety of e-bikes that are suitable for leading a greener, and more stylish, way of living. Emmo e-bikes are priced competitively with other green solutions. At Emmo, you will get the best e-bikes and the most professional service.



GREEN YOUR LIFE

RULES and REGULATIONS

of riding an e-bike

According to Canada's Motor Vehicle Safety Regulations (**MVSR**). A qualified e-bike (defined as Power Assist Bicycle) must meet the following requirements:

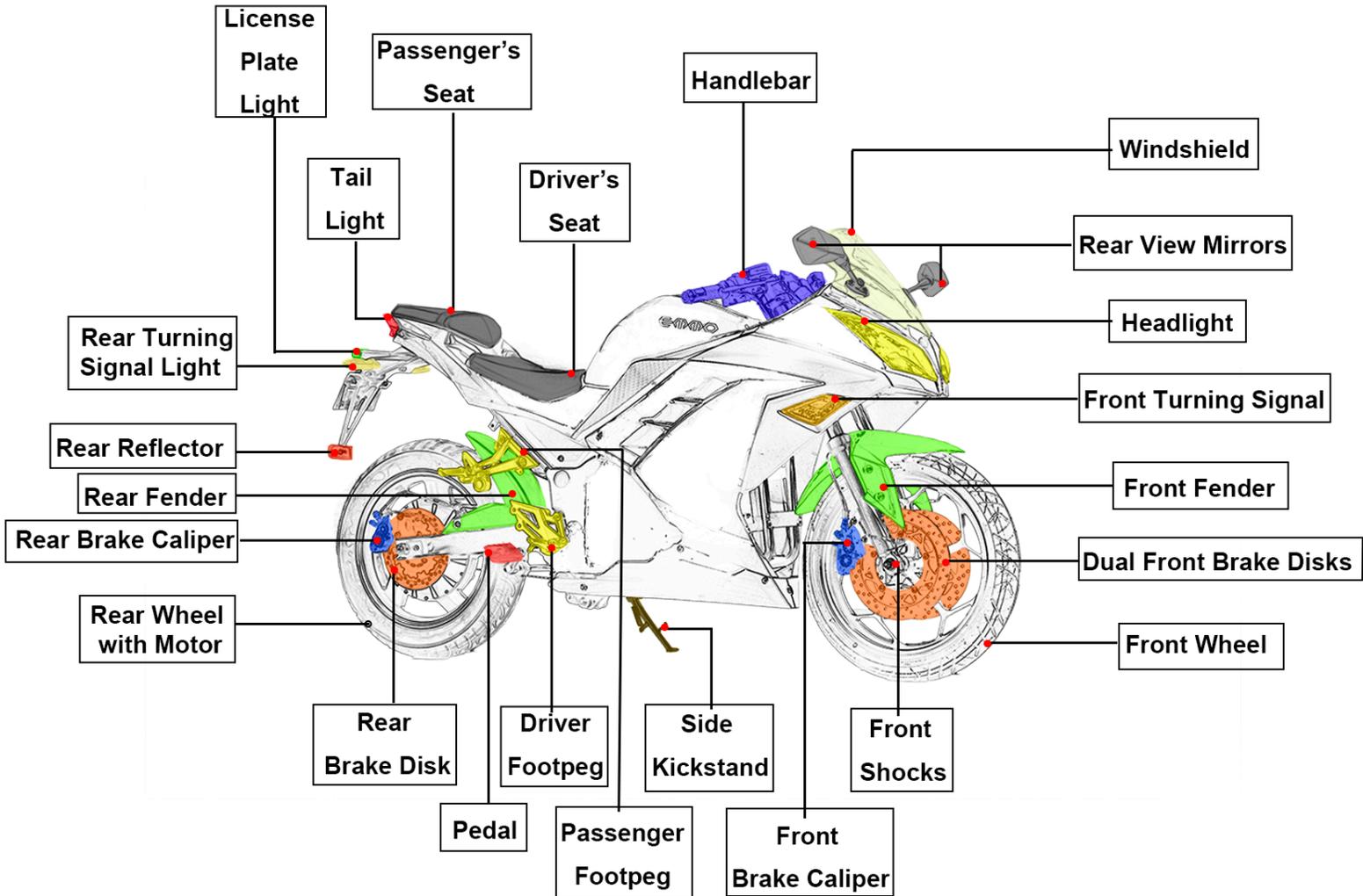
- ***The e-bike must have operable pedals***
- ***Upper wattage limit for the motor is 500W.***
- ***Maximum speed of an e-bike is 32km/h.***

Other requirements include a permanently affixed compliance label from the manufacturer stating that the vehicle is a power-assisted bicycle under statutory requirements in force at the time of manufacture. Currently, there is no license, no insurance, and no vehicle registration required to operate a qualified e-bike according to federal legislation. E-Bike riders share the same rights and responsibilities as other road users.

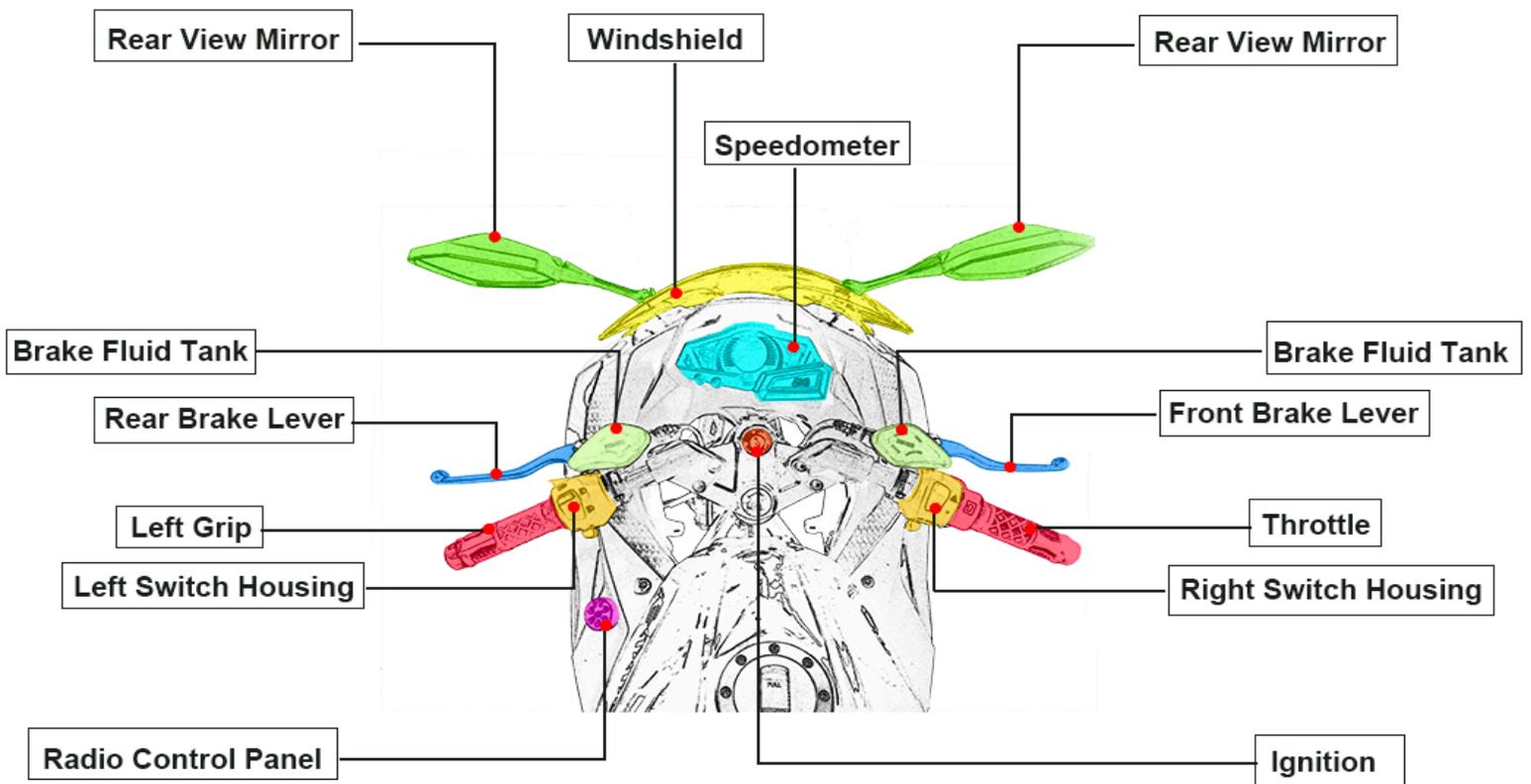
However, provinces and local municipalities have the power to restrict the use of e-bikes. Most provinces require the rider to wear a helmet. Some provinces have special requirements with regard to the age limit to operate an e-bike, the type of helmet required, even the number of wheels and wheel size. In Ontario, typically, e-bikes are generally treated the same as regular bicycles. According to the Ministry of Transportation of Ontario (MTO), the age limit to operate an is 16 years old and above; the maximum weight of the bike is 120 kilograms (265 pounds); the bike must have a brake distance of less than 9 meters; Any modifications made to the bike's motor to create speeds greater than 32km/h are prohibited.

As the rules and regulations are subject to changes in different provinces and municipalities. Please check your municipal bylaw and see where you stand.

1. PARTS OVERVIEW

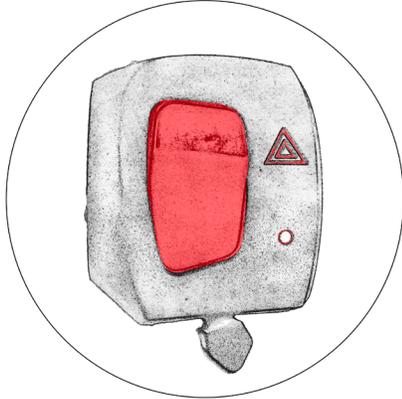


1. PARTS OVERVIEW



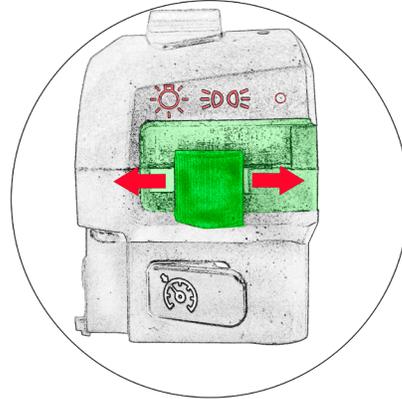
2. SWITCHES

The switch housings on the handlebar hold these switches that control the lights, signals, horn and etc..



Emergency Harzard Lights:

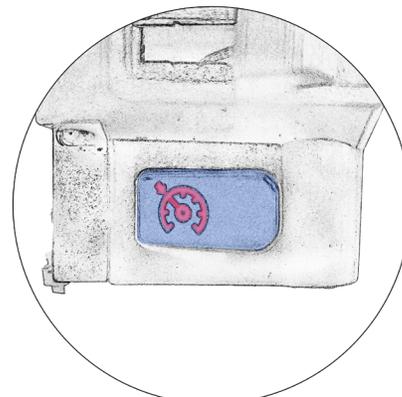
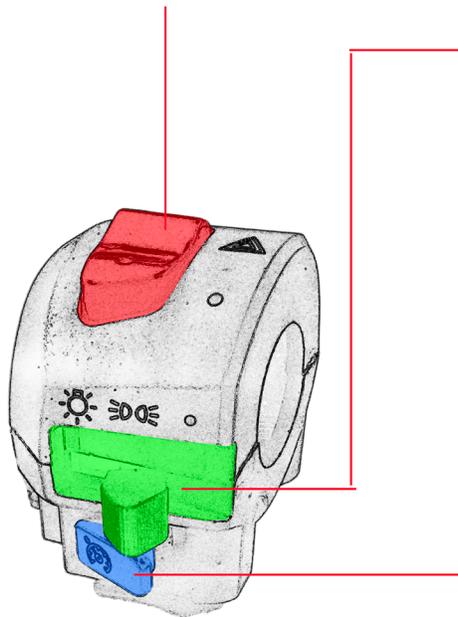
Press the button to turn on all turning signal lights.



Headlight/Tail Light:

Slide the switch to turn on the headlight / tail light.

- :Off
- ☰☷☰ :Tail Light
- ☀ :Headlight + Tail Light

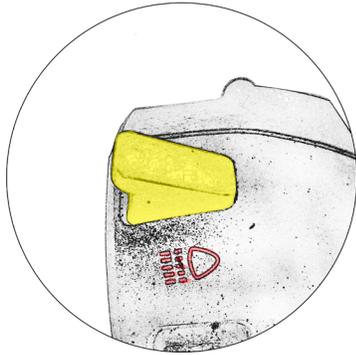


Cruise Control:

Press the button to activate the cruise control. To cancel the cruise function, press the button again or apply the brake.

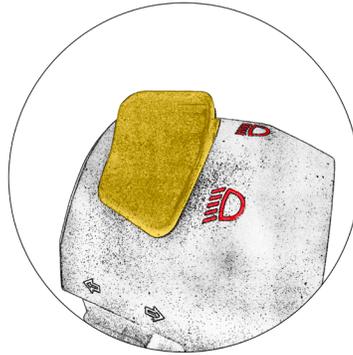
2. SWITCHES

The switch housings on the handlebar hold these switches that control the lights, signals, horn and etc..



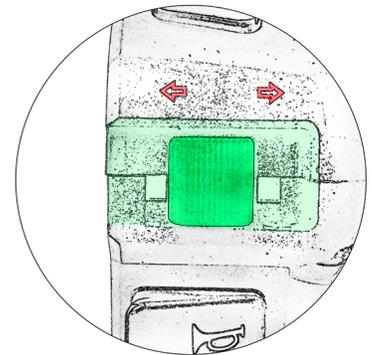
Headlight Flashing:

Press the button once to flash the high beam.



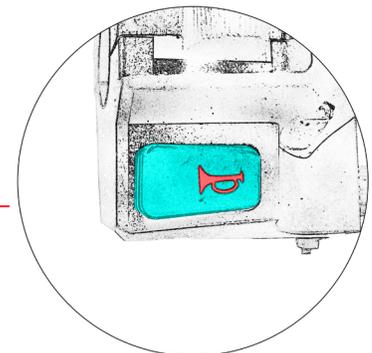
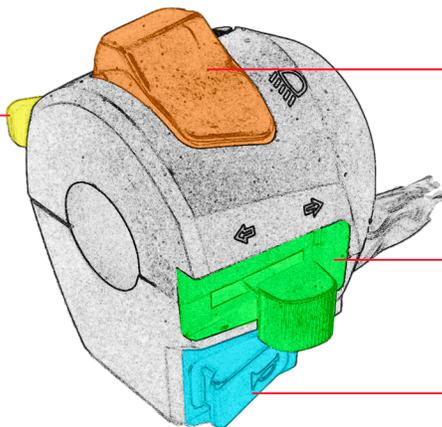
High/Low Beam Switch:

Press the button down to turn the corresponding beam on.



Turning Signal Switch:

Slide the switch to the left/right to turn on the left/right side turning signals. Push the switch lever in to cancel the signals

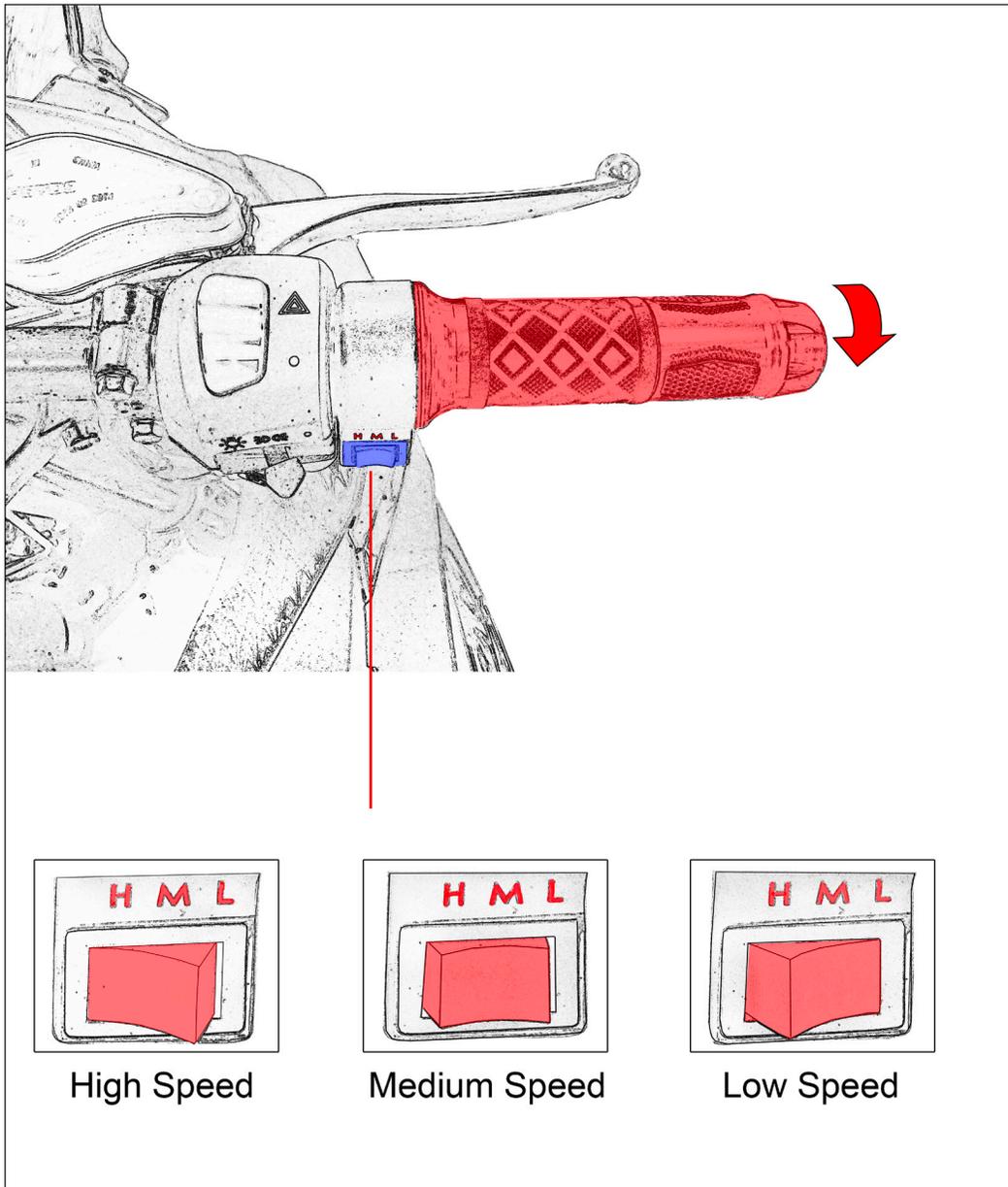


Horn Button:

Press the button to sound the horn.

3. THROTTLE

The throttle controls the speed of the e-bike. As shown below, twist the throttle towards you to operate. With the help of the speed mode switch, you can also change the speed setting.

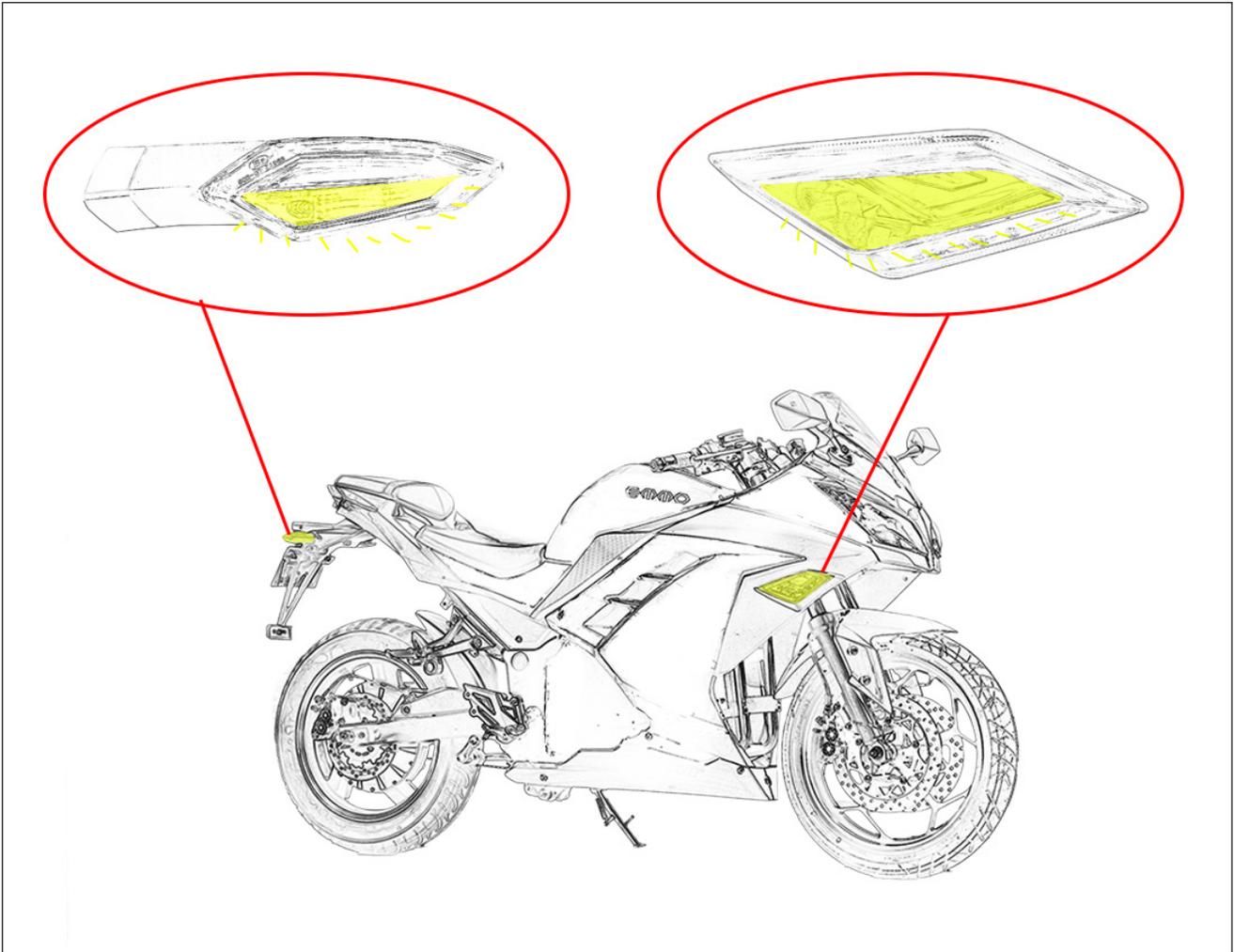


Warning:

- DO NOT turn the throttle if you are not ready to ride.

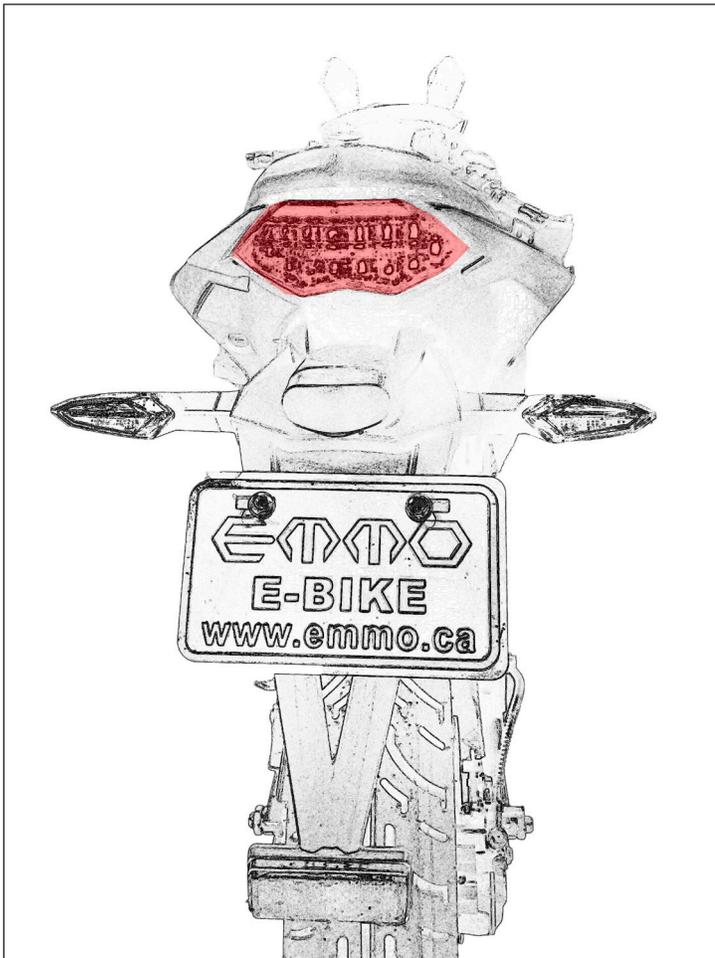
4. LIGHTS & SIGNALS

Turning signal lights are equipped on left and right sides, on the front and rear of the bike. When switched on, the turning signals will flash amber light.

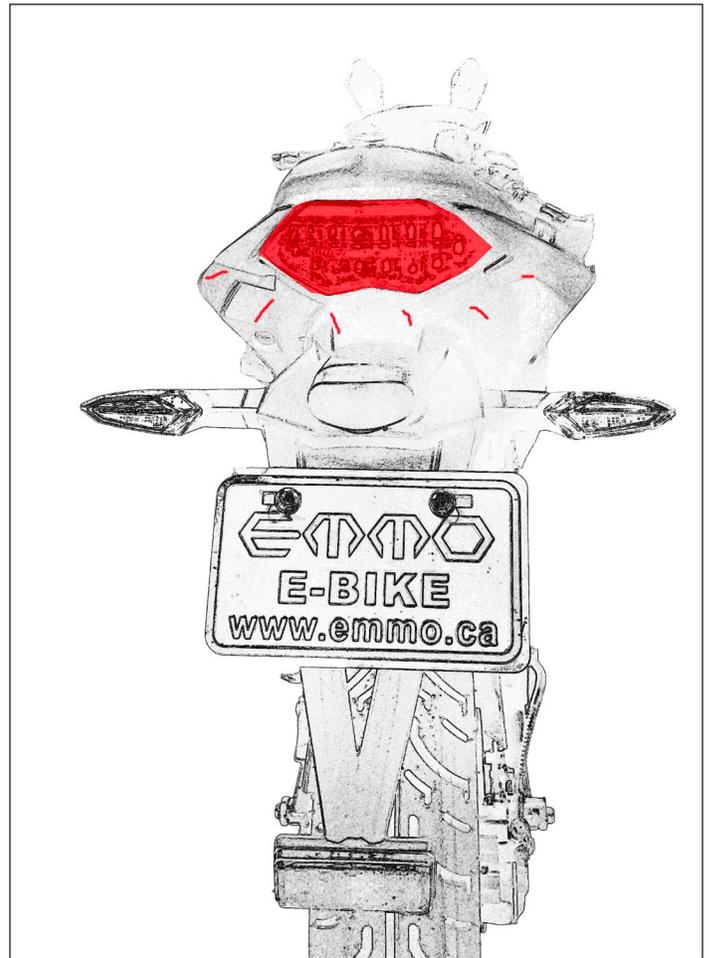


4. LIGHTS & SIGNALS

The LED tail light can be turned on by the headlight switch (refer to page 8). The tail light will become brighter when either of the brake is applied, or when the side kickstand is down.



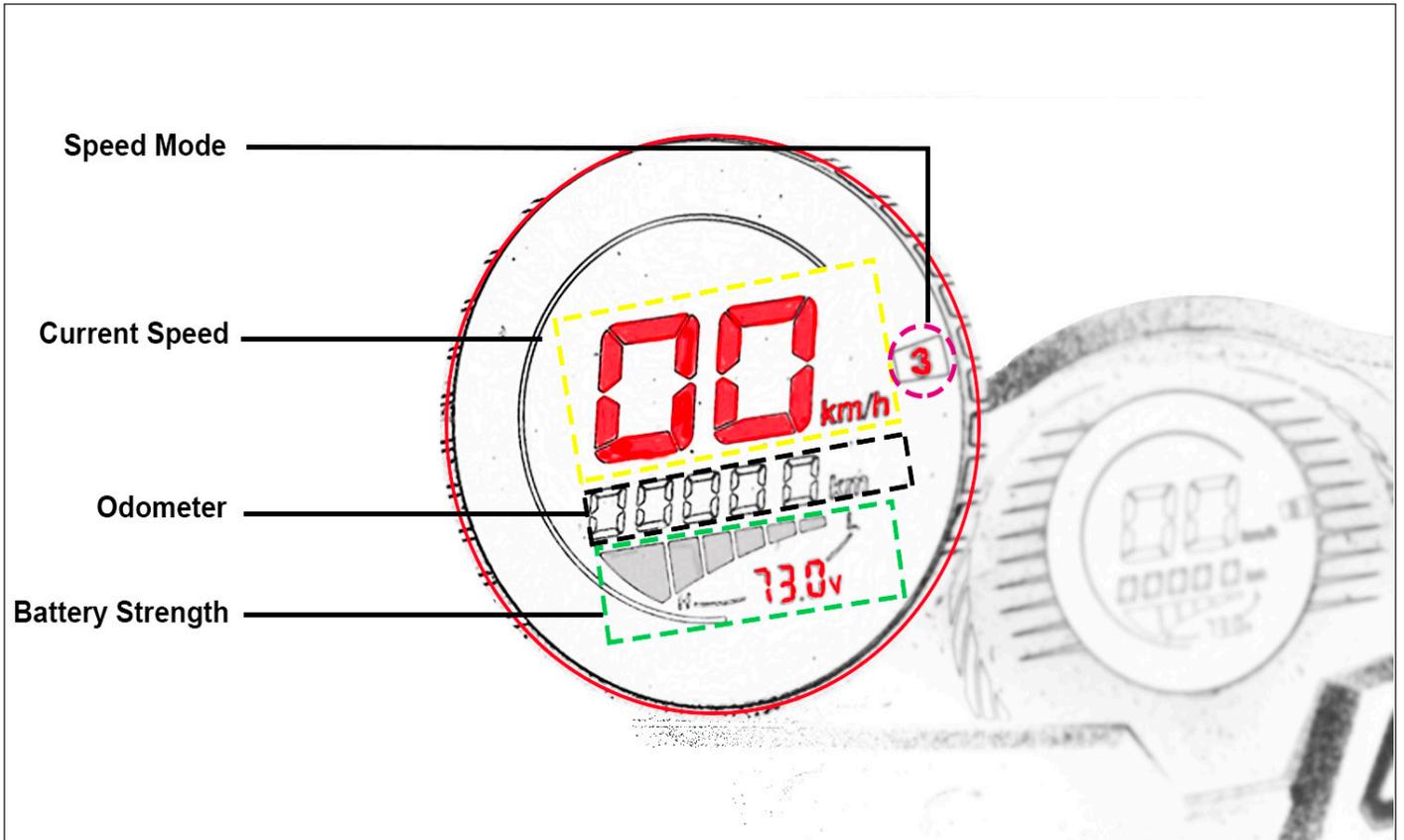
Tail Light - Normal Status



Tail Light - Brake Light On

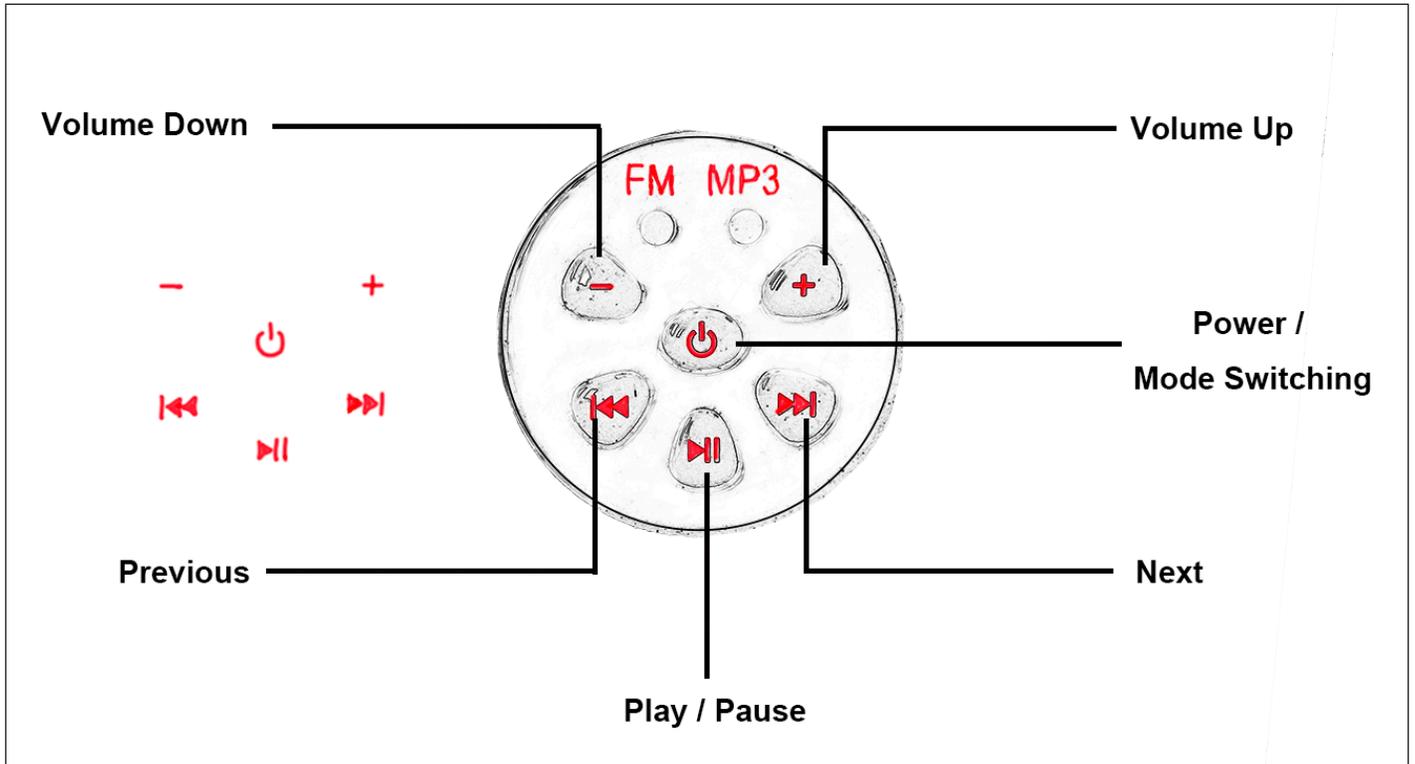
5. SPEEDOMETER

The speedometer enables you to know the working status of the bike. It provides information including the current speed, total travel distance, battery strength, and speed mode (3=high speed mode, 2=medium speed mode, 1=low speed mode).



6. AUDIO SYSTEM

The built-in audio system has two modes - MP3 player and FM radio.



Press once to turn on the radio system. The MP3 mode is set by default. You can pair your bluetooth device with the built-in MP3 player (named Electric bike) and play the music. Press the button again to switch to FM radio mode. Press the button again to turn it off.



In MP3 mode, press the button once to pause. Press again to continue to play. In FM radio mode, hold the button for 5 seconds to search for available channels. Once finished the system will stop at the first channel.



Turn the volume up.



Turn the volume down.



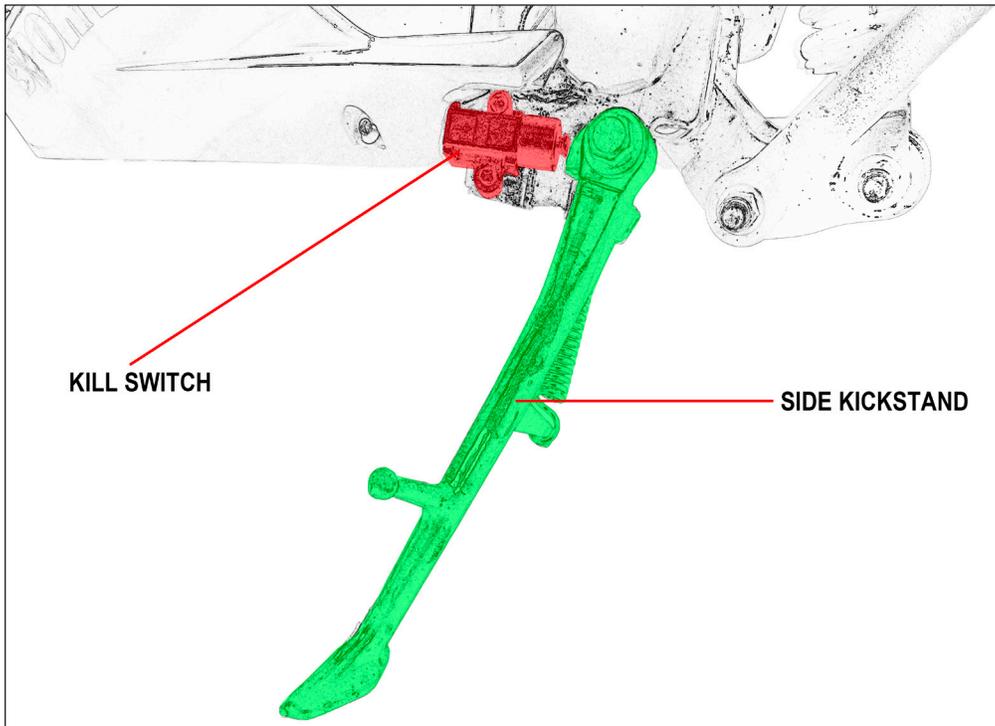
In MP3 mode, press the button once to play the previous song in the list. In FM radio mode, press the button once to switch to previous channel in the list.



In MP3 mode, press the button once to play the next song in the list. In FM radio mode, press the button once to switch to next channel in the list.

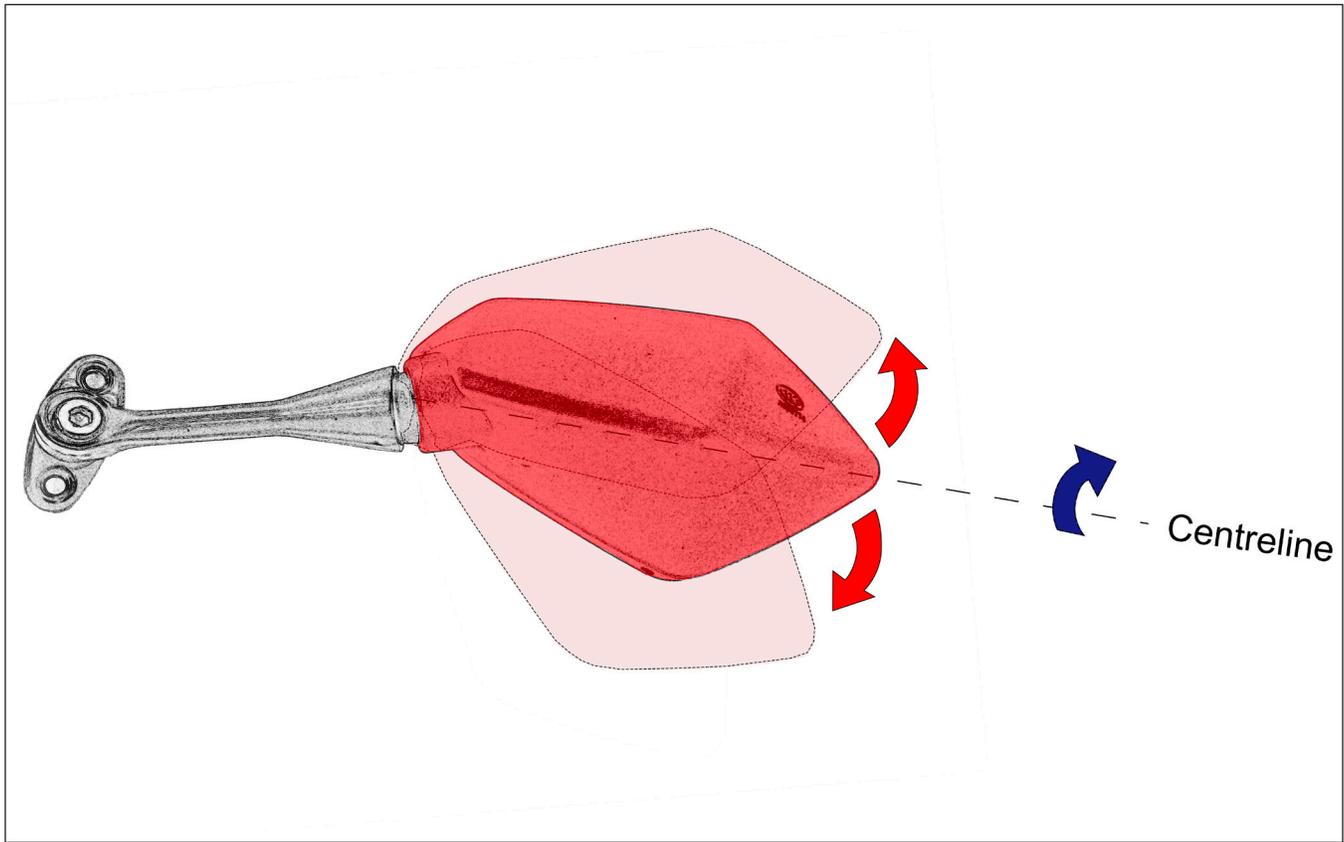
7. SIDE KICKSTAND

The side kickstand is equipped with a kill switch. The kill switch will cut off the power when the side kickstand is down. Please remember to kick the side stand up before you start the e-bike.



8. REAR VIEW MIRRORS

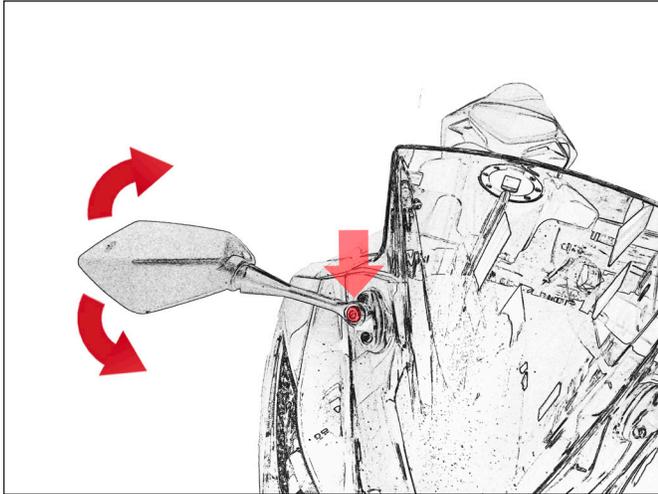
Rear view mirrors make it safer for you to check the traffic condition behind you. Please make sure the rear view mirrors are adjusted and secured properly. Check the rear view mirrors and your blind spots before you make a turn or overtake other vehicles.



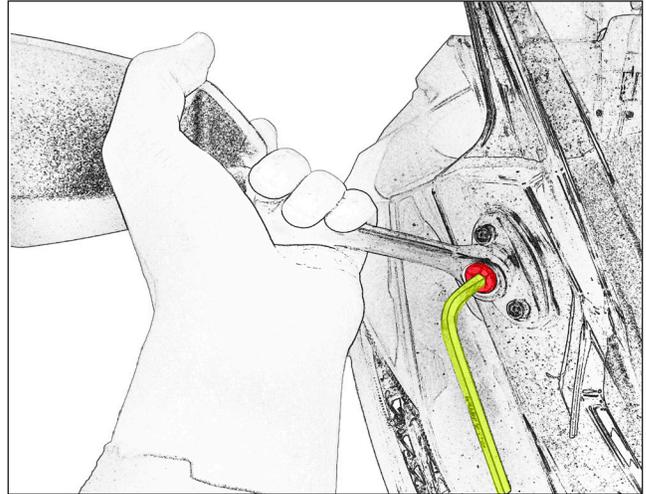
- The mirror can be tilted up and down for approximately 15 degree from the centreline (as showed by the red arrows).
- The mirror can also be rotated on the holding pole (as shown by the blue arrow).

8. REAR VIEW MIRRORS

To adjust the mirrors you will need: a **6mm Allen Key (Hex Key)** .



- Loosen the bolt slightly and adjust the holding pole to a preferred position so that you can have a good view of the rear.



- Hold the mirror firmly in place and tightened the bolt with the allen key.

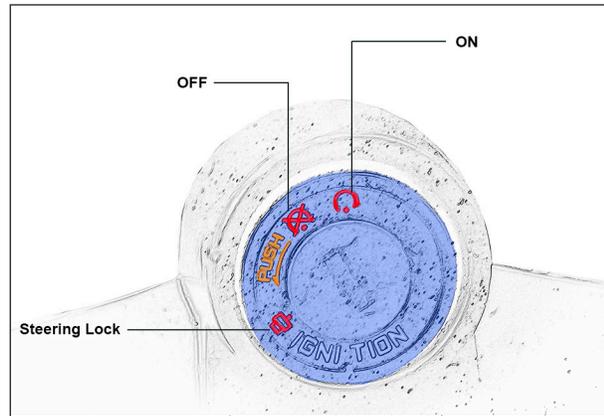
Warning:

- DO NOT adjust the mirrors while you are riding the bike.
- Be careful when you tightened the bolt to avoid damage to the windshield and other panels.

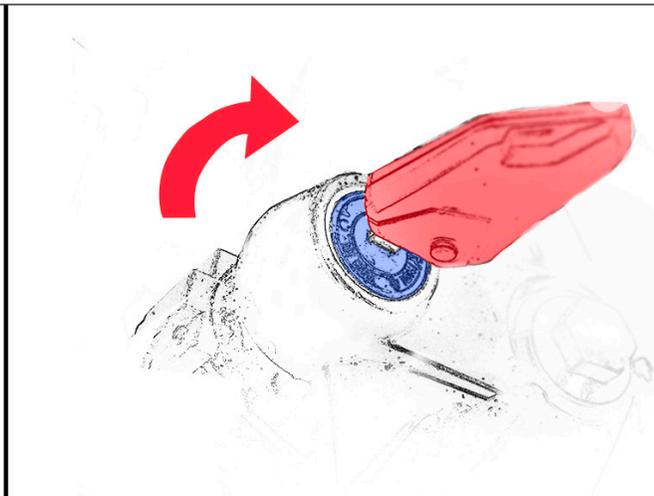
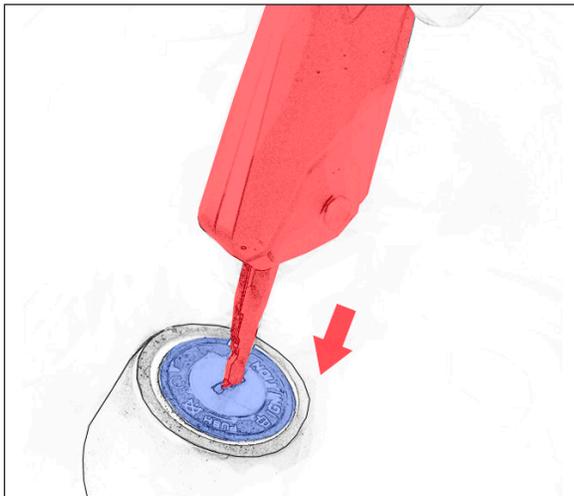
9. HOW TO TURN ON THE BIKE

via the Key Ignition

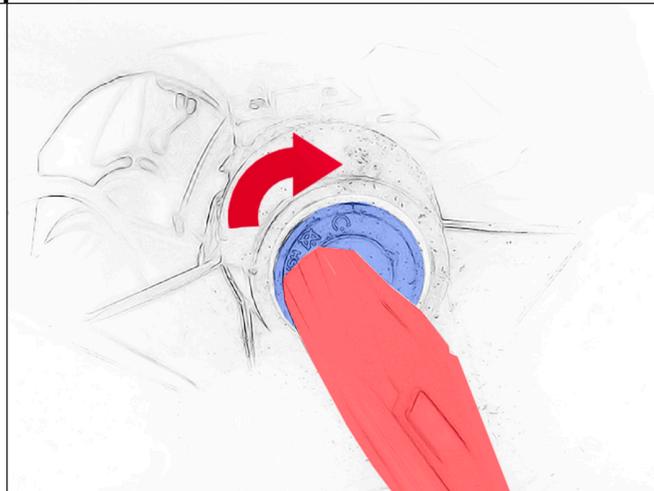
Via the key ignition, you can turn on/off the bike and you can also lock the steering (refer to page 20).



- The ignition is located at the front of the bike, centre of the handlebar.



- To turn on the bike, plug in the key and turn the key to the right.



9. HOW TO TURN ON THE BIKE

via the Remote Control

Lock Button:

Press the button once to activate the anti-theft alarm system.

Unlock/Cancel Button:

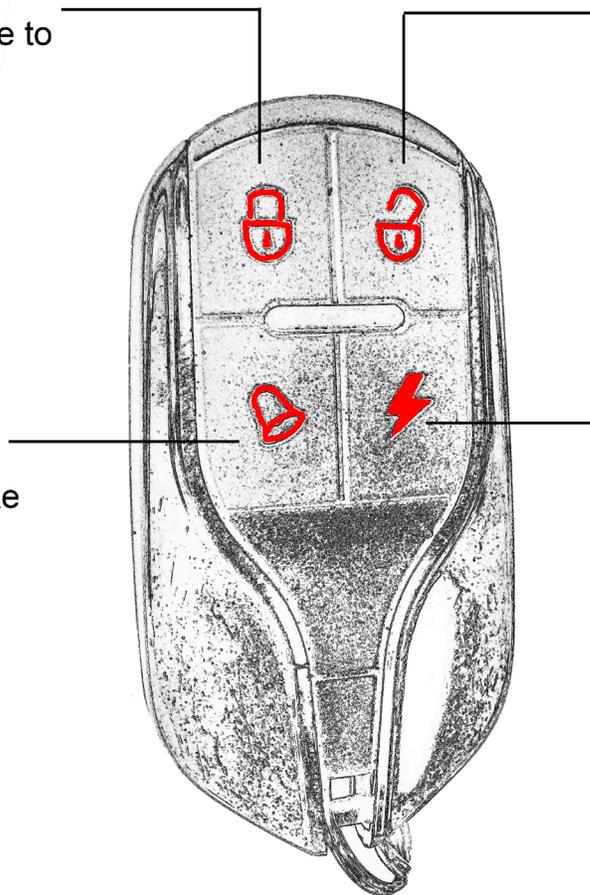
Press the button once to cancel the alarm system / to turn off the bike.

Panic Button:

Press it once, the bike will sound 5 times.

Power Button:

Press it TWICE to turn on the bike with the remote.

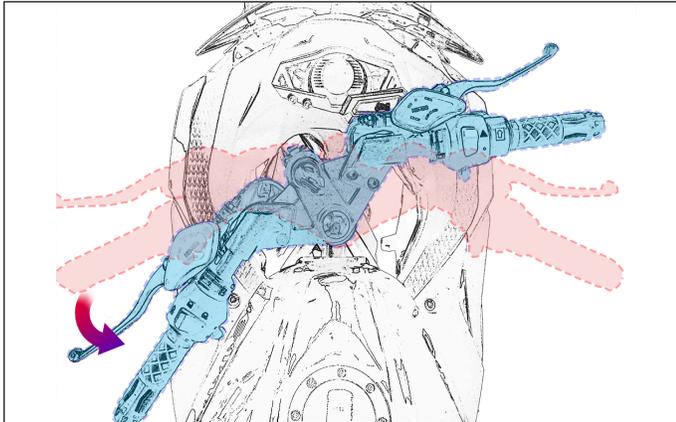


Reminder:

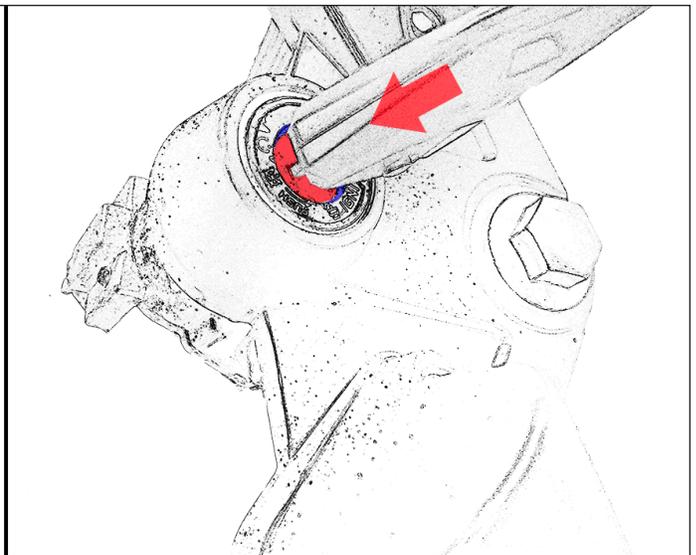
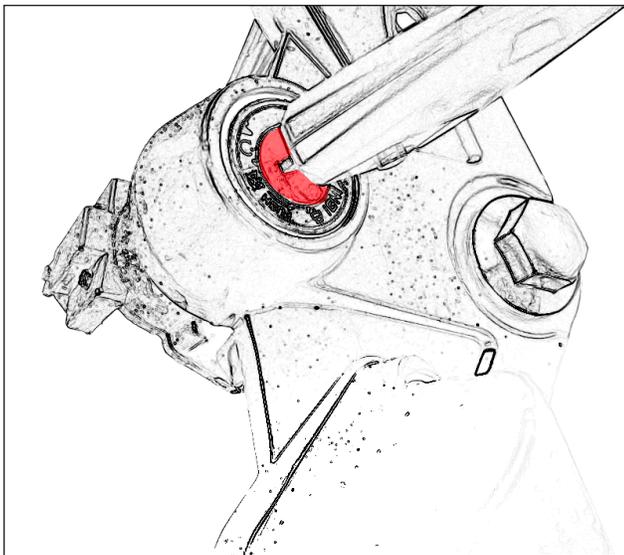
- If the alarm system is on, please cancel the alarm before you turn on the bike.

10. HOW TO LOCK THE STEERING

For the safety of your bike, it is highly recommended to lock the steering when you park your bike in public spaces.

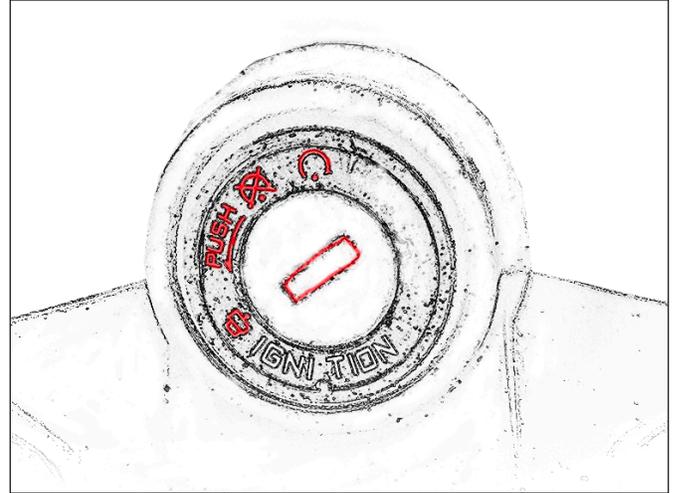
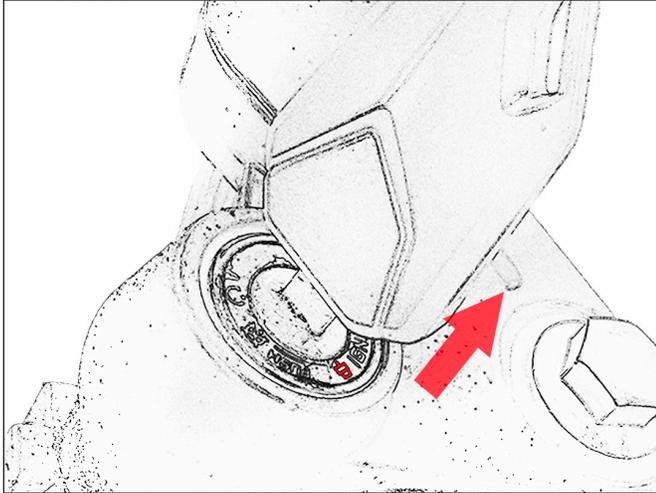


STEP 1: After the bike is turned off, turn the handlebar to the left (anti-clockwise).



STEP 2: Plug the key into the ignition, gently push the key down and turn the key to the left (anti-clockwise).

10. HOW TO LOCK THE STEERING

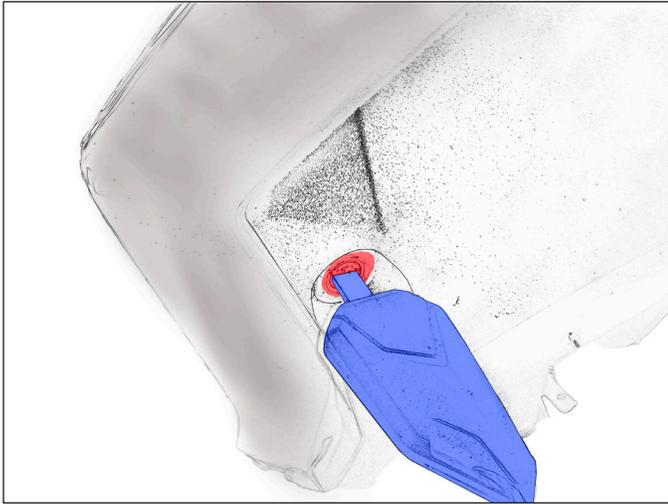


STEP 3: Once the steering is locked, the steering can not be turned without unlocking it.

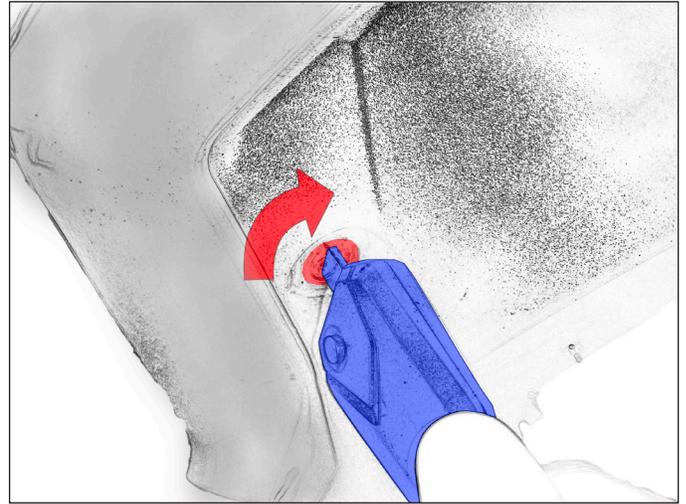
11. CIRCUIT BREAKER

Location & Instructions

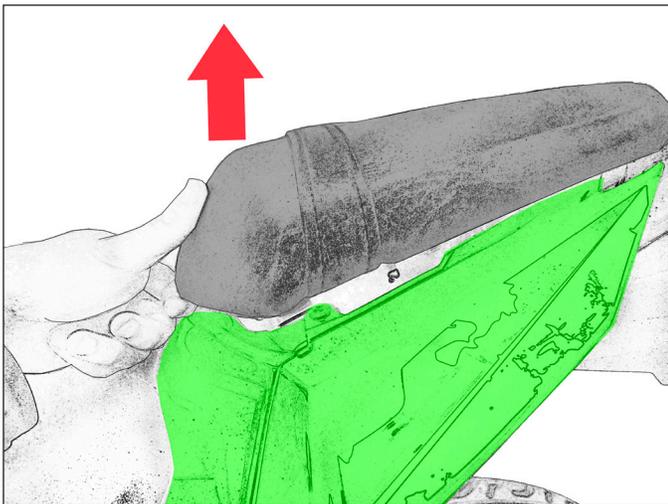
The circuit breaker is the main switch of the bike. When it is turned off, the battery will be disconnected from the system and you will not be able to use the bike, nor will you be able to charge the bike.



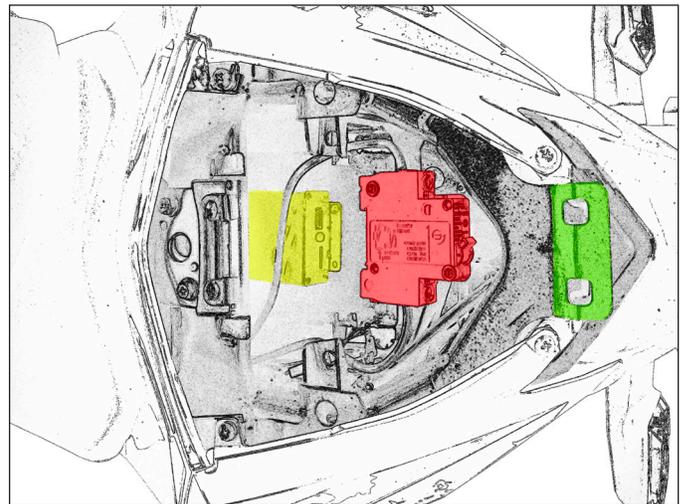
Step 1: The seat lock is located under the passenger seat.



Step 2: Plug in the key and turn it clockwise to unlock the passenger seat.



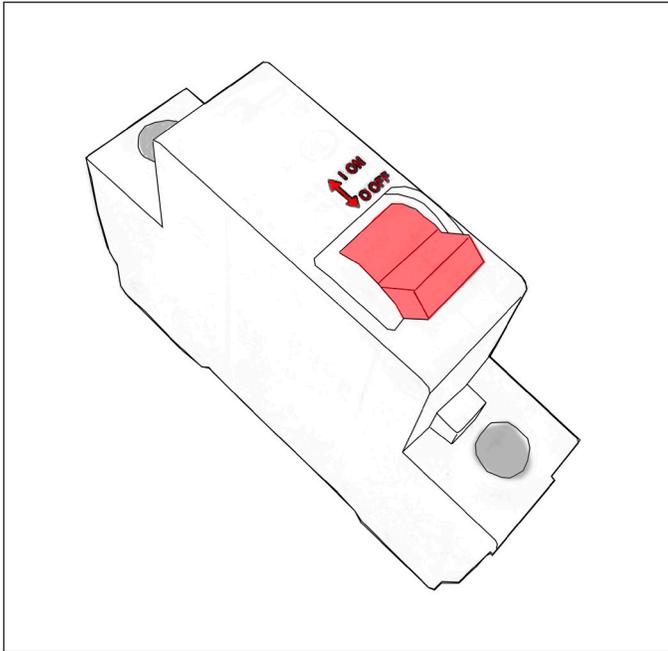
Step 3: While keeping the seat lock in the unlocked position, gently lift the seat cushion up.



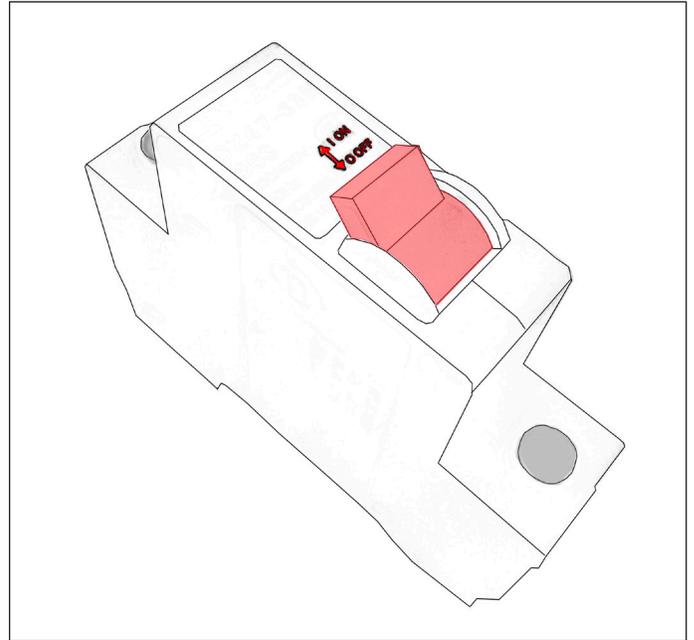
Step 4: The circuit breaker is located in the under-seat compartment (highlighted in red).

11. CIRCUIT BREAKER

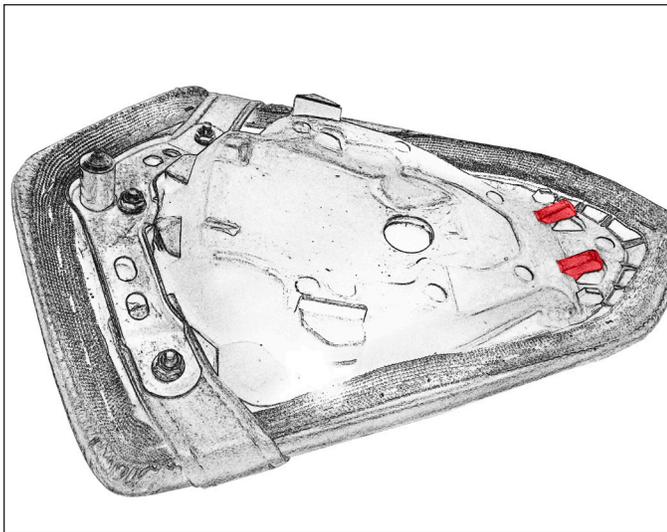
Location & Instructions



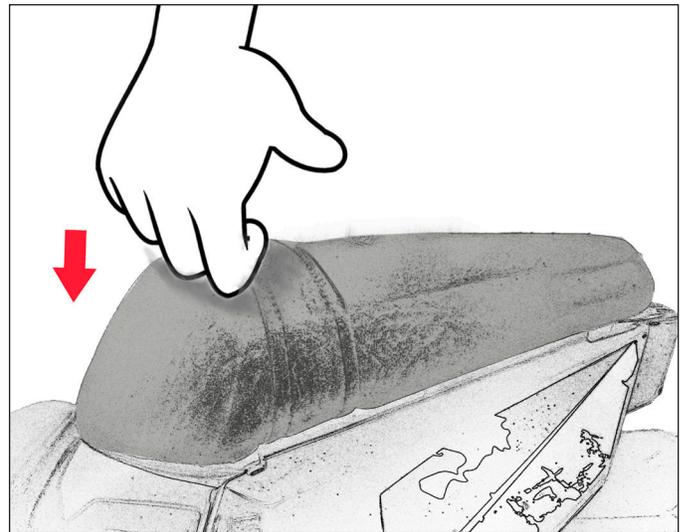
Step 5: Follow the marking on the circuit breaker, switch the circuit breaker off.



Step 6: Before you want to charge the bike/ use the bike, switch the circuit breaker on.



Step 7: When putting the seat back, make sure the teeth on the bottom of the seat (highlighted in red) are inserted into the holes.



Step 8: Gently push the seat sushion down to lock it.

Warning:

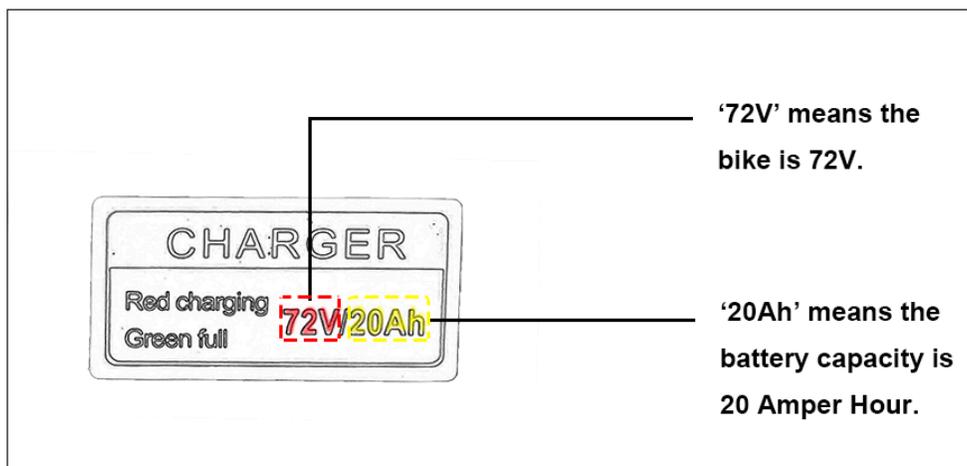
- The wires inserted into circuit breaker could have high voltage output. DO NOT touch any bare wires. If you have any concern, contact your EMMO dealer for assistance.

12. HOW TO CHARGE

Charge the battery before the battery strength drops down to 20%. Before charging the bike, make sure you are using a compatible charger*. Failure to use a compatible charger will lead to danger.



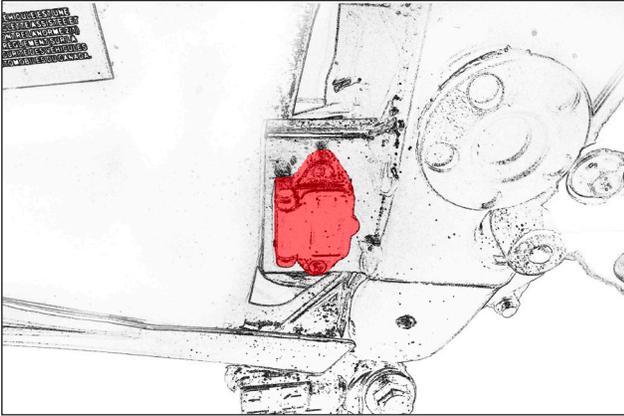
- There are two cables coming out from the charger. One cable goes to the charging port on the bike, and the other goes to the regular 110V wall outlet.



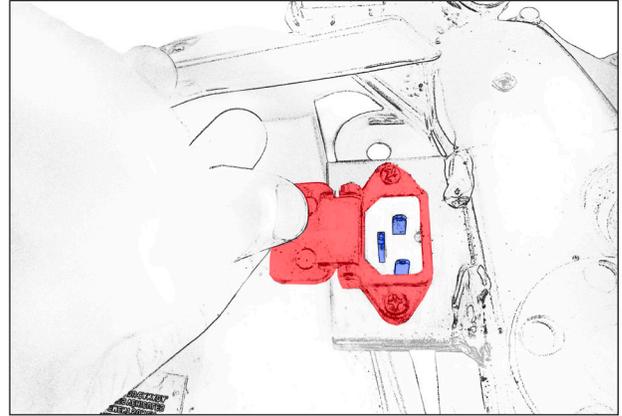
- On the charger, there is a sticker on the front indicating the voltage and capacity of the battery that the charger can be used for.

*Please refer to Appendix 1 for details of lithium battery and charger.

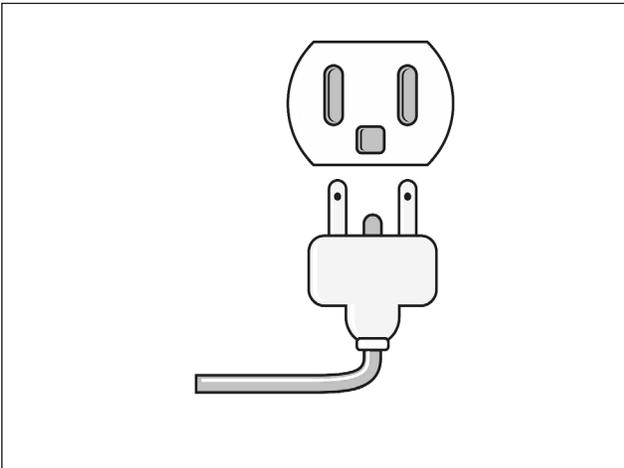
12. HOW TO CHARGE



- The charging port is close to the side kickstand, as highlighted in red.



- To charge the bike, open the charging port lid and plug in the charger.



- Take the other cable of the charger and plug it into a regular 110V wall outlet.



- Once fully charged*, unplug the charger from the wall outlet first and then unplug it from the bike.

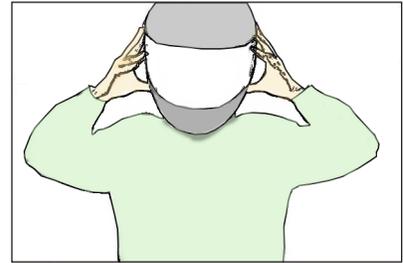
Warning:

- You **MUST** use compatible chargers to charge your bike. Failure to use a compatible charger could result in danger, including but not limited to fire.
- You **MUST NOT** charge the battery for more than 8 hours each time. If the battery/charger gets unreasonable hot, or if you have any concern, please stop charging and contact your EMMO dealer immediately.

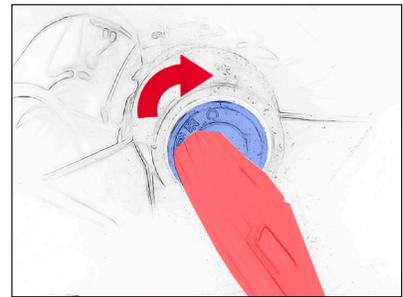
*Please refer to Appendix 2 for more details of the indicators on chargers.

13. HOW TO RIDE THE BIKE

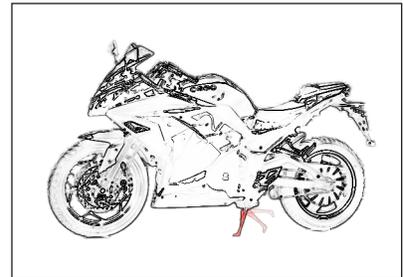
- Sit on the bike. Put on the helmet or any protective equipment required.



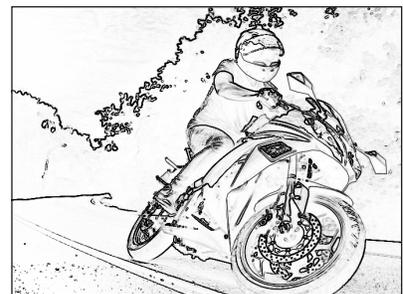
- With your feet still on the floor, turn the bike on (refer to page 14).



- Before you start off, kick the side kick-stand up.



- When you are ready, gently turn the throttle and enjoy the ride.



14. SAFETY INSTRUCTIONS

To ensure the safety of you and others,

- Do not ride after you take medications which may affect your riding ability, drink alcohol, or when you are unwell.
- Please make sure you are familiar with your local bylaw regarding e-bikes.
- Check the road conditions and weather conditions, so as to actively avoid danger.
- Wear necessary protective equipment, such as a helmet, if required by local bylaw.
- Perform a basic inspection of the bike before the ride:

1. Battery strength: *make sure that you have enough charge for the trip.*

2. Tire pressure: *on the casing side of the tire you will find the minimum and maximum pressure that applies to the tire. Insufficient tire pressure will affect the performance of your bike.*

3. Brakes: *check and make sure both brakes are in good working condition.*

4. Lights/signals: *make sure that headlight, signal lights, tail light and brake light are working well. Make sure you have a working rear reflector / tail light if you need to ride the bike at night.*

15. MAINTENANCE

Regular maintenance is required to keep the bike in its best working condition.

CLEAN

Please use clean water and neutral detergent to clean the bike. Use soft cloths or sponges to clean the surfaces. Please do not use metal brushes, sandpaper or any other abrasive material to avoid scratches or physical damage. Dry the bike with soft cloth. Please clean and grease the chain and sprockets.

Warning:

- Please turn off the circuit breaker and remove the battery (if applicable) before cleaning the bike.
- DO NOT power wash the e-bike.

STORAGE

In case of storage of more than one month, such as winter storage, **Please charge the battery regularly (at least once a month) and turn off the circuit breaker.** The bike, including the battery and charger, is suggested to be stored in clean, dry ventilated place. Please do not leave the battery outside under freezing temperature. Please avoid any corrosive material or heat source.

REGULAR INSPECTION

For **every 3000km** you travel or every **6 months**, a full inspection/tune-up is recommended based on the condition of the bike.

E-Bike Registration

E-Bike Registration

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

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

1. Fill out the following form:

Invoice Number: _____

Store Location: _____

Customer Name: _____

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
 Facebook Google Yelp Other _____

2. Send the information listed above to our e-mail: info@emmo.ca

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

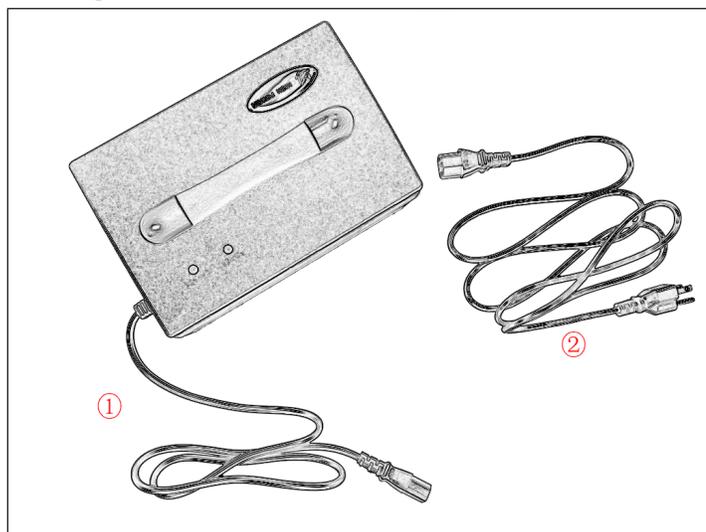
APPENDIX 1

How to Charge a Lithium E-Bike

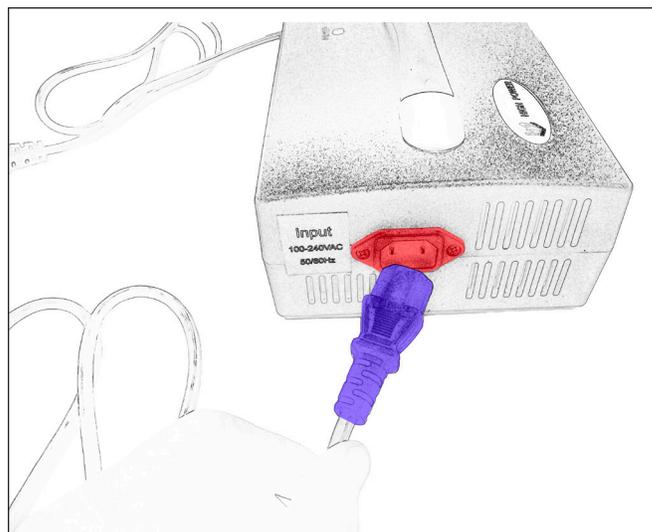
Most of the time, a lithium e-bike share the same look as a regular Gel Lead-Acid one. However, you will notice that the lithium battery is smaller in size and lighter in weight. The lithium charger is also different from ordinary Gel Lead-Acid chargers.

As shown in the follow picture, a typical lithium charger may consist of 2 parts:

1. Main body with a cable that connects to the charging port of the bike.
2. A separate cable that connects the regular 110V wall outlet with the charger.



72V / 4.5A Lithium Charger



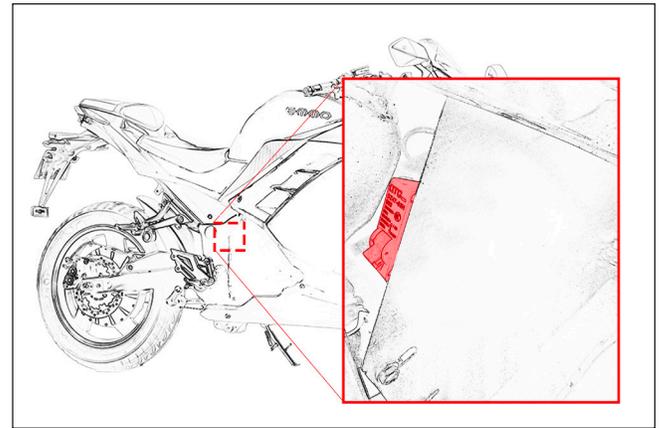
Plug the Separate Cable into the Charger

Before using the charger, you need to plug the individual cable into the charger. To charge the battery, plug the charger into the charging port of the bike. And then, plug the charger into a 110V outlet (refer to page 25).

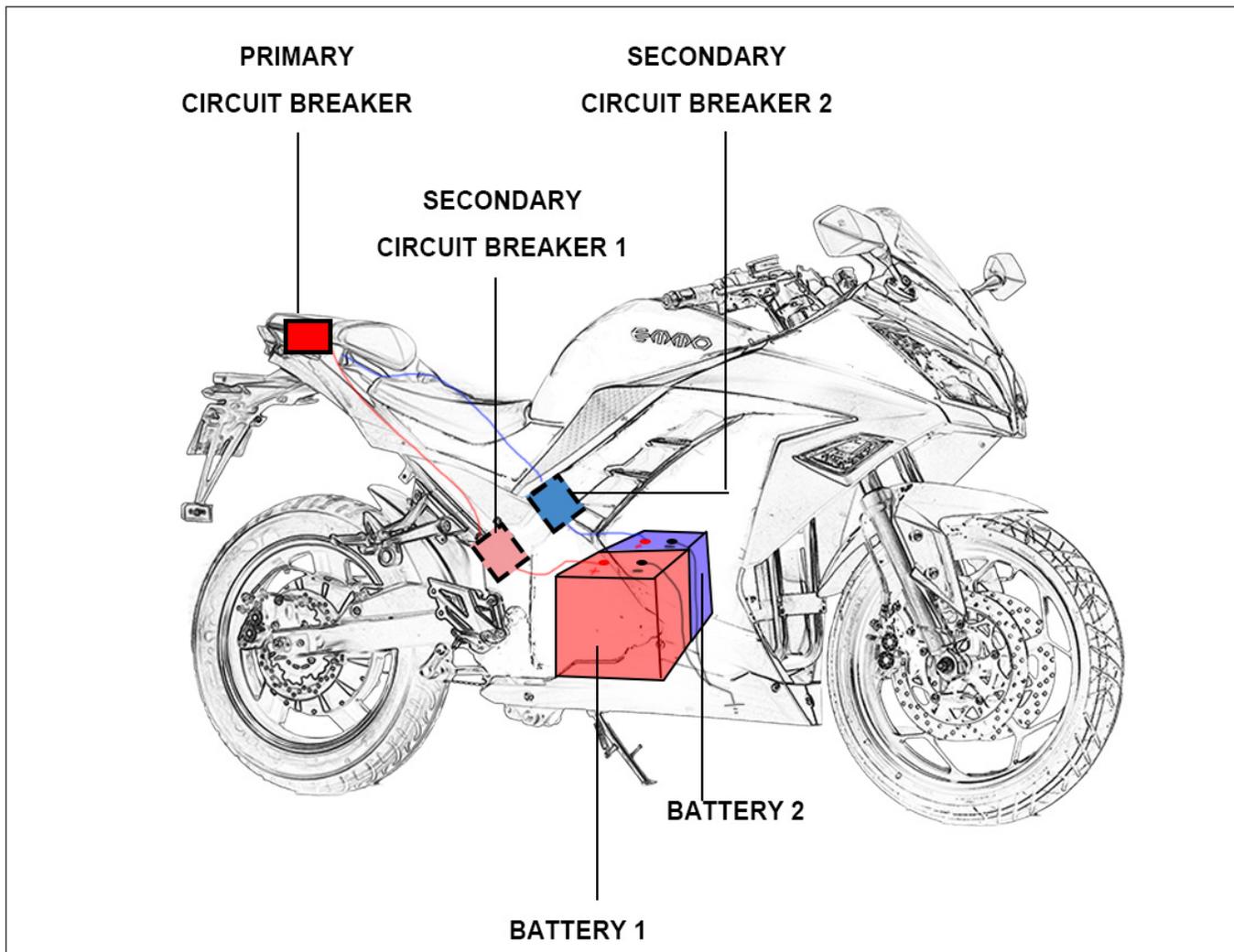
Particularly, for some bikes with double lithium battery packs. The use and charging of the e-bike can be quite different from Gel Lead-Acid ones. The Zone S with 72v60Ah lithium battery will be used as an exam ple in the following explanation.

The 72v60ah lithium battery pack consists of two 72v30ah lithium batteries.

In addition to the main circuit breaker under the passenger seat, there are another 2 secondary circuit breakers on both sides of the bike to control the individual lithium batteries.



Secondary Circuit Breaker Location



Battery Wiring Diagram (Zone S with 72V/60Ah Lithium Battery)

Through the secondary circuit breakers, the user is able to switch between two individual lithium batteries and decide which one to use/charge.

	Primary Circuit Breaker	Secondary Circuit Breaker 1	Secondary Circuit Breaker 2	Explanation	Note
I	ON	ON	ON	The bike still works with both batteries connected. But only one battery should be connected to the bike at a time*.	
II	ON	ON	OFF	Battery 1 is connected to the bike.	
III	ON	OFF	ON	Battery 2 is connected to the bike	
IV	OFF			Both batteries are disconnected from the bike.	

*Failure to following the instructions could result in damage to the battery and the bike.

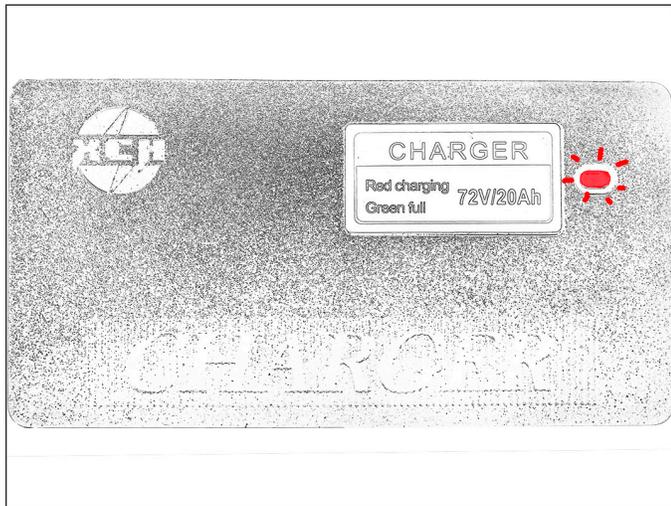
Warning:

- ONLY one of the secondary circuit breaker should be switched on at a time. To switch between different battery packs, turn off the corresponding secondary circuit breaker of the battery that you are using, before switching the other secondary circuit breaker on.

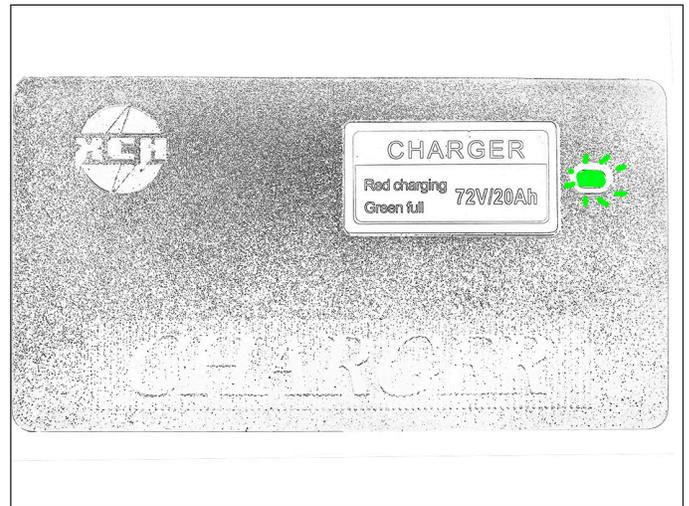
APPENDIX 2

Charger Indicator Explanation

Usually, there is only one indicator on Gel Lead-Acid chargers. The indicator has only two colors - Red and Green. Red light means that the charger is charging the bike, while green light can show up when the battery is fully charged or when the charger is not connected to the bike properly. In other words, green light indicates the charger is not charging the battery/bike.



***Regular Charger with One Indicator
(Charging)***

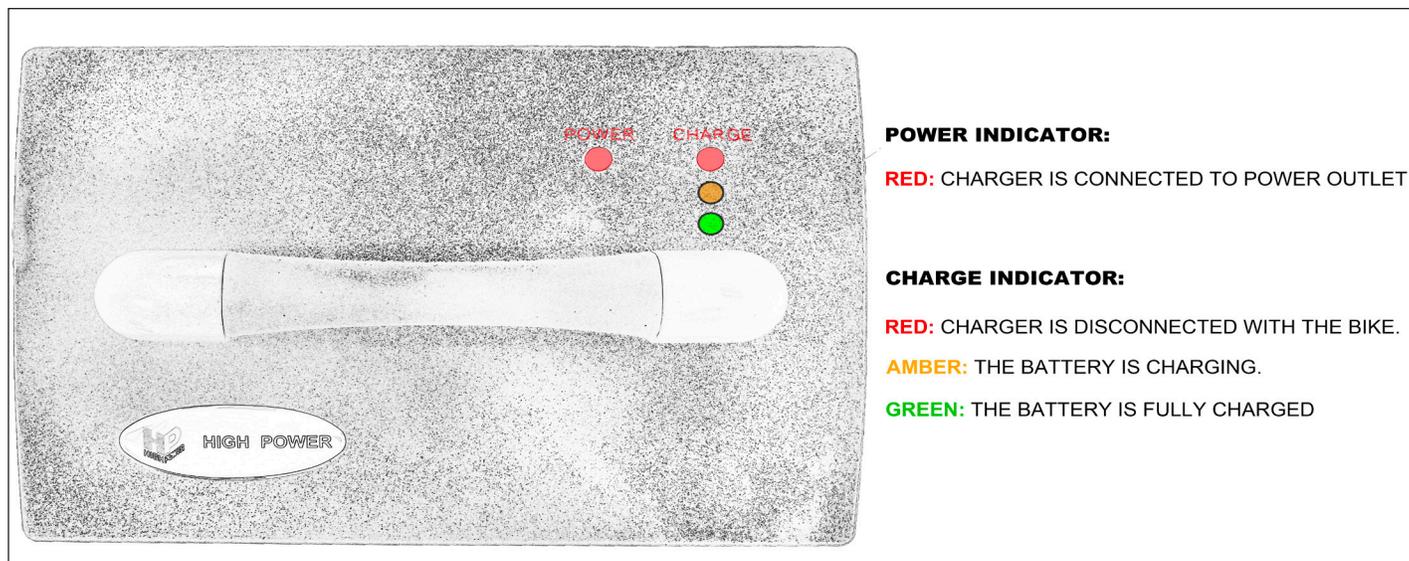


***Regular Charger with One Indicator
(Fully Charged)***

For some models, the lithium charger is similar to a Gel Lead-Acid one, with only one indicator and same indicating system.

However, for some lithium chargers, especially those with higher output, the charger is bigger in size and there are usually 2 indicators - the POWER indicator & the CHARGE indicator.

- *The POWER indicator has only one color- red. When the red light comes on, it means the charger is connected to the power outlet.*
- *The CHARGE indicator shows the working status of the charger with different colors of light. Red light means the charger is not connected to the bike / battery properly. Amber light means the charger is charging the battery, and green light indicates the battery is fully charged.*



72V / 4.5A Lithium Charger Indicators

For troubleshooting, please contact your EMMO dealer.