

# Emmo Knight GTS

## Owner's Manual



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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
<b>Dimension (LxWxH):</b>	2280 x 790 x 1145
<b>Wheel Size:</b>	Front 130/70/12; Back 130/90/10 Heavy duty Tubeless
<b>Net Weight:</b>	110 kg
<b>Maximum Speed:</b>	32 km/h
<b>Travel Range:</b>	50-60km
<b>Charging Time:</b>	3 – 10 Hours
<b>Climbing Angle:</b>	35 Degrees
<b>Load Capacity:</b>	400kg
<b>Motor:</b>	EMMO GTS 500W (Super Torque Motor)
<b>Battery:</b>	72V/20Ah GEL SLA
<b>Charger:</b>	AC100-120V, Smart Charger (Battery maintained while charging)
<b>Front Brake:</b>	Disc Brake
<b>Rear Brake:</b>	Disc Brake
<b>Lock System:</b>	Remote Alarm / Remote Starter / Key Ignition Lock / Steer Lock / Motor Lock
<b>Meter &amp; Indicator:</b>	LED ->Speedometer, Odometer, Battery Strength Indicator, Light Indicator
<b>Lighting System:</b>	Angel eye HID Projector Headlight, LED Turn Signals, LED Brake and Tail light, LED Indicator light
<b>Storage:</b>	Front Small Glove Box

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 (Type of Battery)

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

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.
6. It takes 10 hours to fully charge the bike from 0% battery life to 100% battery life.

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 12 hours.**

**Fully charge the bike once a month during long periods of inactivity and turn off the circuit breaker. (i.e. during the wintertime)**





**WARNING!**

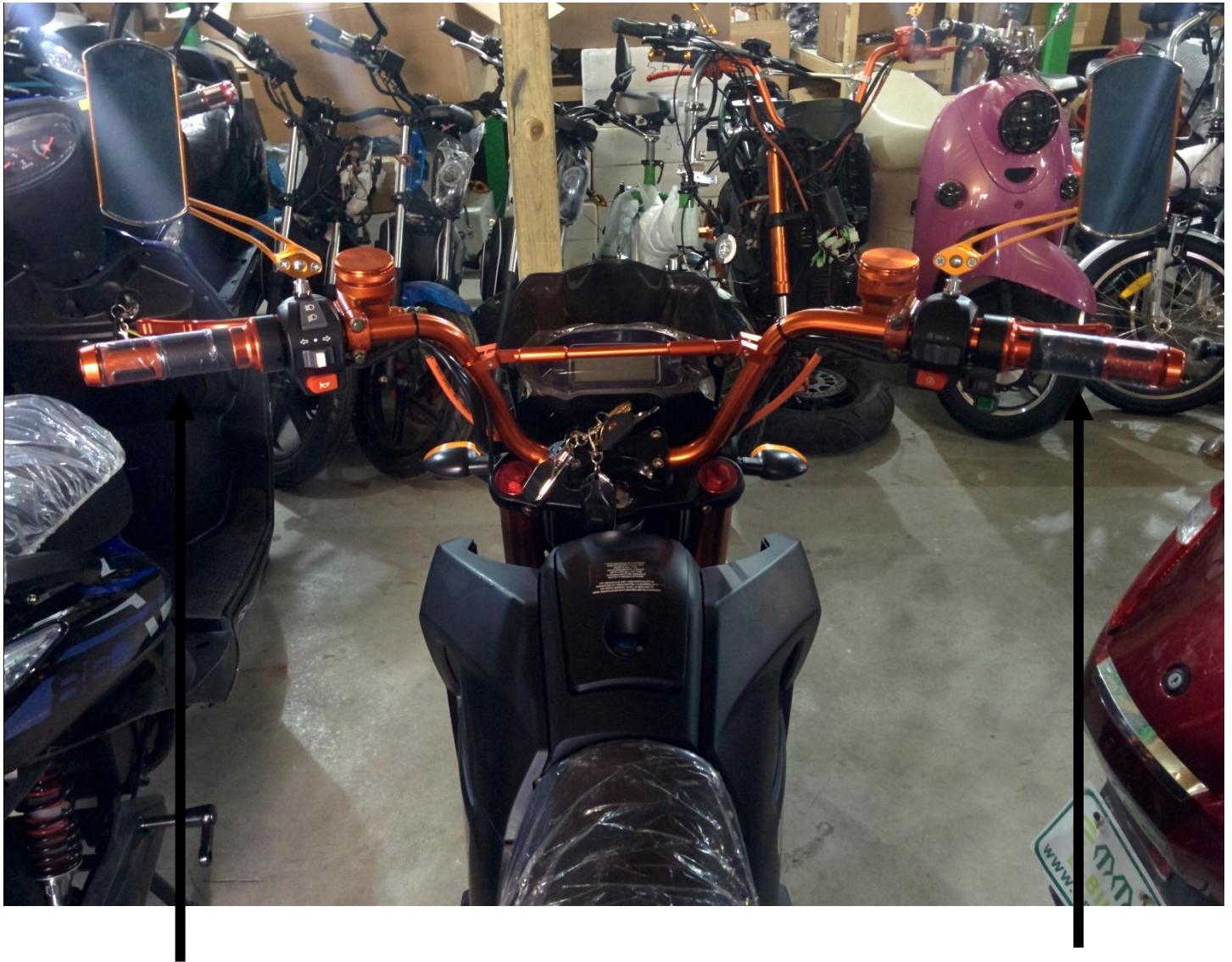
**\*CHARGING THE E-BIKE SHOULD TAKE A MAXIMUM OF 10 HOURS.**

**\*DO NOT CHARGE THE E-BIKE FOR MORE THAN 12 HOURS. OVERCHARGING WILL OVERHEAT THE BATTERY, CAUSING DAMAGE TO THE BATTERY.**

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

**TURN ON THE CIRCUIT BREAKER BEFORE CHARGING THE BIKE AND FULLY CHARGE THE BIKE. AFTER CHARGING IT, TURN OFF THE CIRCUIT BREAKER.**





**Rear Brake (left side)**

To activate the rear brake, the rider can pull this lever.

**Front Brake (right side)**

To activate the front brake, the rider can pull this lever.

**Note: When either brake is activated, all power to the motor will be disconnected (safety design). Always use the back brake first, then the front brakes.(adjust this depending on what brakes are available on the bike)**

### Side Stand

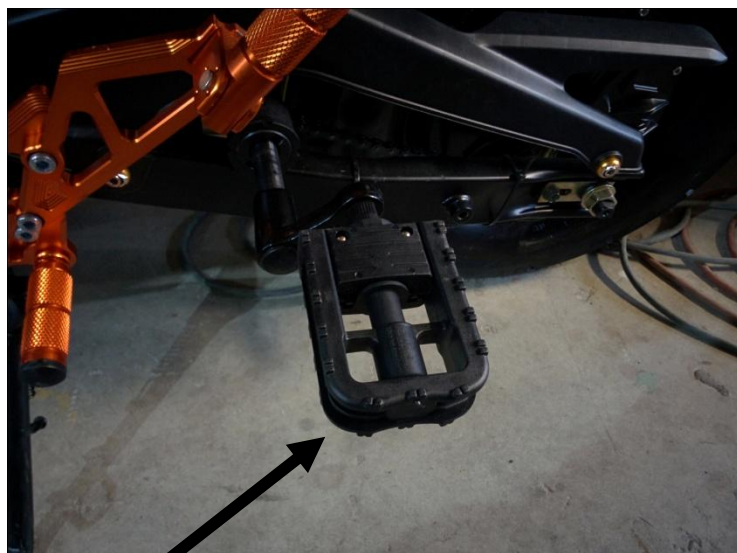
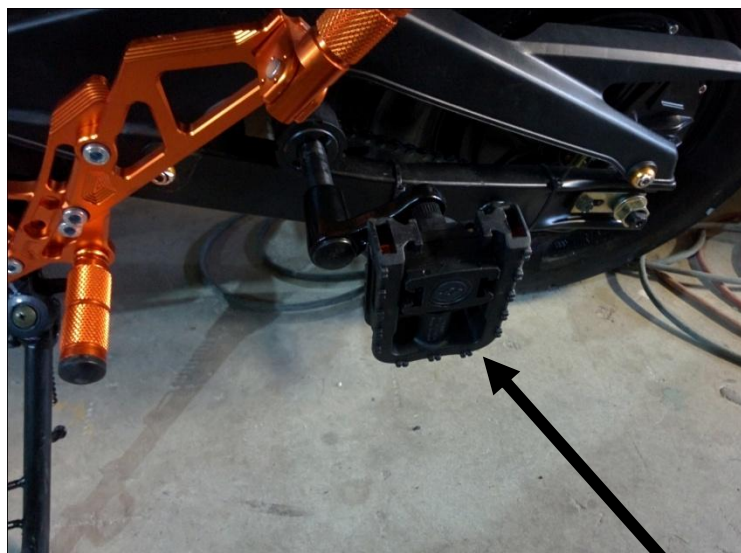
The side stand is similar to other bicycles – flick it downwards such that it sticks out, as shown in the picture, then lean it to the left.



### **WARNING!**

**When the Side Stand is engaged the throttle is deactivated. This stops the user from accidentally twisting the throttle while the kickstand is down preventing a potential fall. The brake light will remain on until the kickstand is disengaged.**





### **Foldable Bike Pedals**

To fold the bike pedals, push the pedal inwards and lift up.(change if necessary

### **WARNING!**

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



**Disk Brakes (Rear) and Tire.**

This bike features a hydraulic disk brake system that adjusts by itself, no maintenance is required. We recommend 40 PSI for the back and to check the pressure once a month.

**Note: Remember to grease the chains once a month.**

**Please also make sure that the back wheel is not over tighten after adjustment.**





### **Disc Brakes (front) and Tubeless Tires**

The Emmo Knight GTS is assembled with front disc brakes, as opposed to drum brakes, and tubeless tires. These brakes are virtually maintenance free; the only maintenance required is the replacement of the fluid every 10,000km.

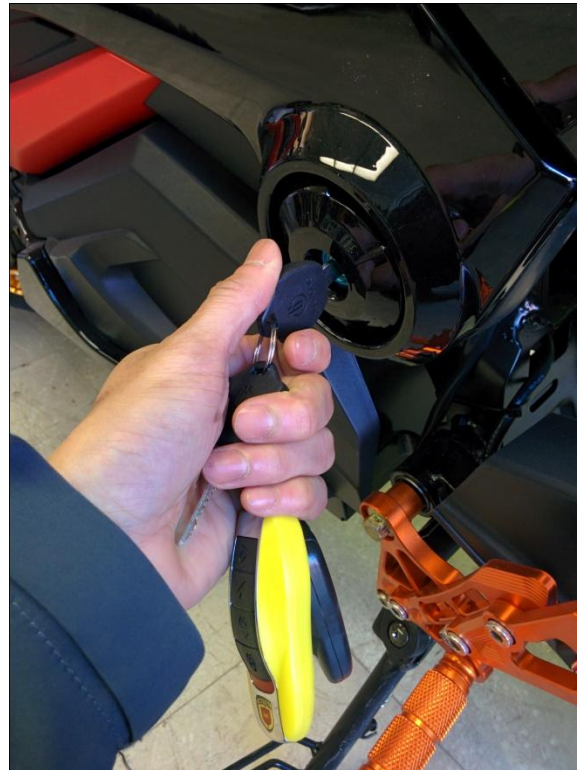
They are also stronger, more resistant to wear and tear, and last longer than the opposing drum brakes. The tubeless tires are extremely difficult to puncture, so that chance of getting a flat tire is very slim. Additionally, air rarely escapes from these tires. We recommend 40 PSI for the front tire and we recommend that it is checked once a month.





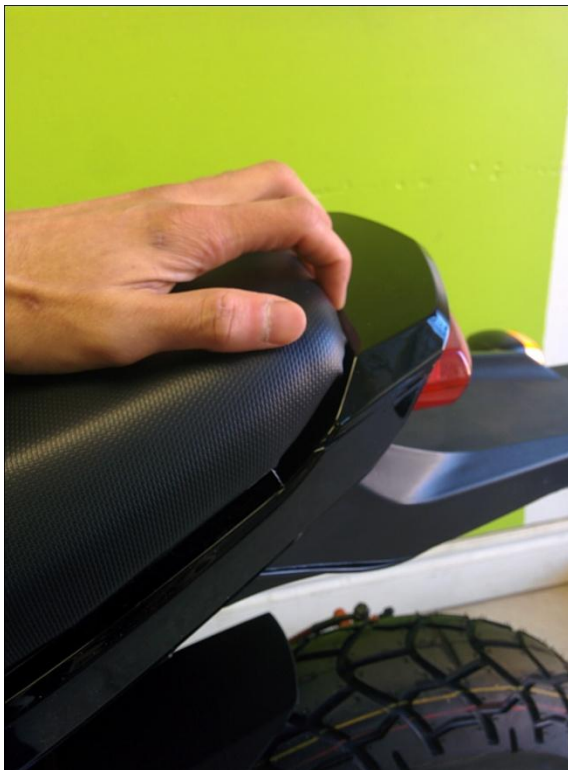
### **Seat Lock**

To take the seat off of this bike you must first insert your key on the left side of the bike and twist clockwise.



### **Unlocking the Seat**

While holding the key in the twisted position, gently lift the seat up from the back just above the tail light. Once the seat is unlocked you can remove the key from the side of the bike.





### Removing the Seat

While gently pushing down on the **middle** of the seat, pull the rear of the seat directly **backwards** away from the bike at the same time until the seat comes off the bike. If the seat still does not come off, move the seat back and forth while still pulling backwards. Make sure not to pull the back of the seat upwards or downwards as this will lock the seat in place.







### Circuit Breaker

The circuit breaker controls the power running through the bike from the battery. When the switch is on, power flows throughout the bike and all functions work. When the switch is off, power does NOT flow through the bike, and none of the electrical aspects will work on the bike.

### **WARNING!**

**In the winter time, fully charge the bike (with the circuit breaker on). After the bike is fully charged, properly unplug the charger and turn the circuit breaker off. Repeat this once a month for every month of inactivity.**

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





1



2



3

#### **Key Positions in Ignition**

1. This is the handlebar lock position. This position is reached when the key is pushed in, and then turn counter clockwise, 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).
2. This is the 'off' position. The key simply rests in the bike, and the bike is not turned on.
3. This is the 'on' position. This position is reached when the key is turned clockwise, from the off position. The bike will turn on, and all functions on the handlebars will work.

#### **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 arms the bike. When the bike is armed, any physical movement or vibrations to the bike will cause the alarm to activate. 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 to start the bike. (All the functions on the handlebar can be used also this does not open the storage under the seat).



### Light Switch

This switch controls the amount of lighting on your bike. When the switch is pushed to the right, no extra lights are turned on. (Only brake lights work) When the switch is in the middle, the dashboard light and tail light turns on. When the switch is pushed to the left, the head-lights, tail-lights, and dashboard light are turned on.

### Speed Control

This button controls and limits the speed of your bike. 3 is the fastest speed, 1 is the slowest speed. Starting in speed 1 is ideal for initial pickup. When you hit the top speed, switch to speed 2, then to speed 3. Note: Some versions of the Knight GTS have these speeds reversed. (i.e. 3 is the fastest, 1 is the slowest)

### Throttle

When the throttle is turned backwards (toward the rider) it makes the e-bike move forward. (The amount of speed that the rider gets depends on how far the throttle is pulled).



### Throttle Control

This button controls the throttle. When this button is pushed out, pulling the throttle will not cause anything to happen. When the button is pushed in, the throttle works as normal. **(This function is disabled on some versions of the bike)**

### Cruise Control

This button activates the cruise control. When the bike is running at a certain speed and this button is pressed, the bike will continue to run at that speed regardless of whether or not the throttle is being used. Pressing the button again, pulling the brake, or using the throttle when this happens turns off the cruise control.



### 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).



### Turning Signals

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

### Horn

Pushing this button sounds the horn.

**Left turning signal light**

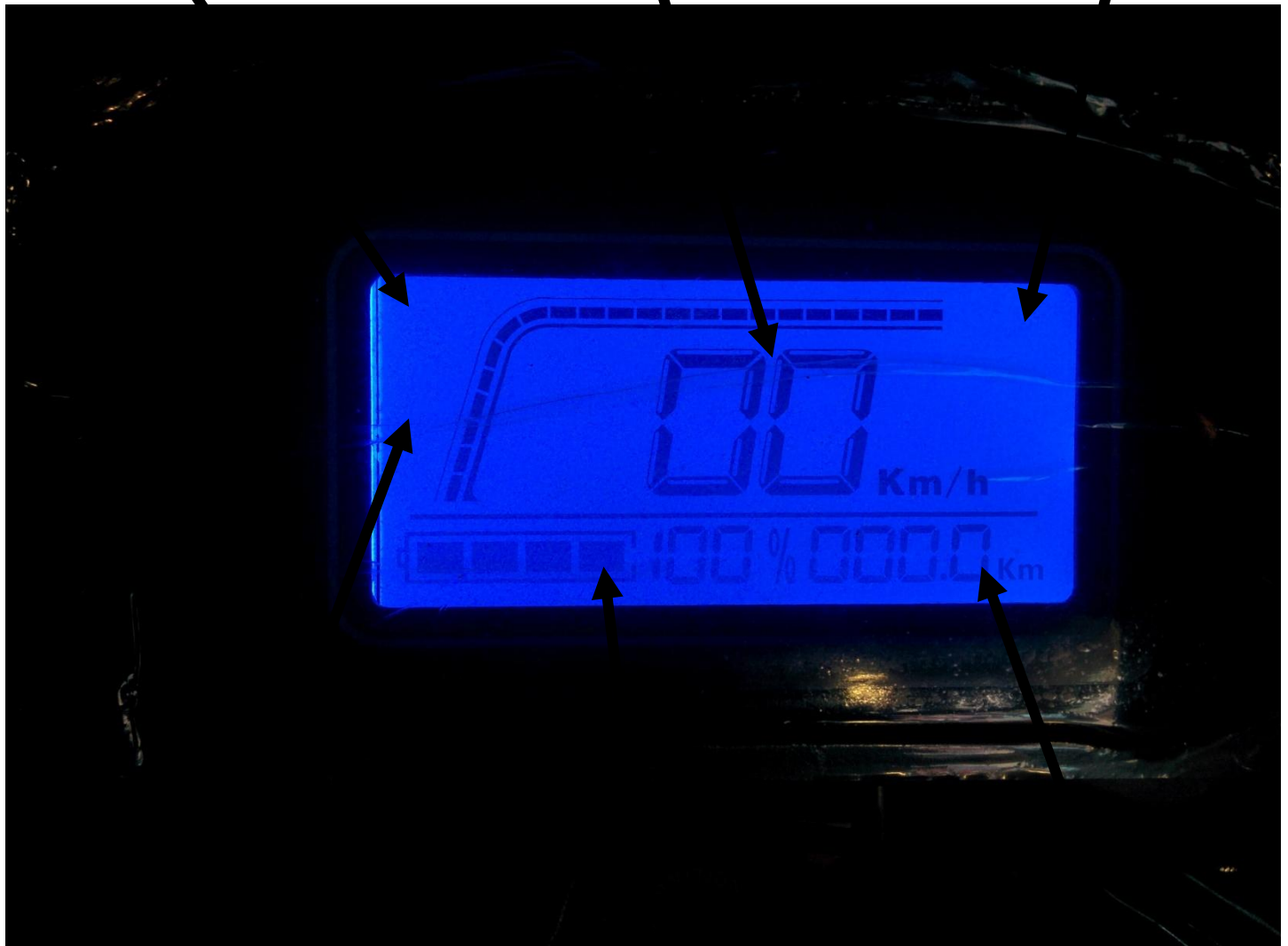
This light turns on when the left turning signal is pressed

**Speedometer**

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

**Right turning signal light**

This light turns on when the right turning signal is pressed



**High Beam indicator**

This light turns on when the high beam for the head light is activated

**Power Gauge**

This meter demonstrates the remaining amount of electricity available in your battery.

**Odometer**

This counter keep track of how many kilometres the bike has traveled

## 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:

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