Emmo E-bike

GENERIC

Owner's Manual

GREEN YOUR LIFE

Version 1.0, J. Lu, M. Wu

Table of Contents

E-bike MTO Label

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.

General Specifications

Colour:	A variety of colours are available, please check www.emmo.ca.
Dimension (LxWxH):	Dimensions vary, please check www.emmo.ca.
Wheel Size:	16″/3.0″
Net Weight:	85 kg (X), 75kg (Sabre, H5, GT5), 70kg (Alien)
Maximum Speed:	32 km/h
Travel Range:	60-70 km*, 90km-110km for any 30Ah Lithium Battery
Charging Time:	3 – 8 Hours for lead acid batteries, 3-6Hours for lithium batteries.
Climbing Angle:	20 Degrees (X, Sabre, H5, GT5), 18 Degrees (Alien)
Load Capacity:	180kg (X, Sabre, H5, GT5), 160kg (Alien)
Motor:	Continuous 500W Brushless
Battery:	48V/20Ah Sealed Lead Acid **(48V/20Ah and 48V/30Ah LiFePO4 option available)**
Charger:	AC100-120V, Smart Charger (Battery maintained while charging)
Front Brake:	Drum Brake
Rear Brake:	Drum Brake
Lock System:	Remote Alarm / Remote Starter / Key Ignition Lock / Steer Lock / Motor Lock
Meter & Indicator:	Speedometer, Battery Strength Indicator, Light Indicator
Lighting System:	Headlight w/High Beam, Turning Signals, Brake Light, Tail Light, Indicator Light
Storage:	Lockable Under-Seat Storage, Lockable Rear Box, Glove Box (select models)

* 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)

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.

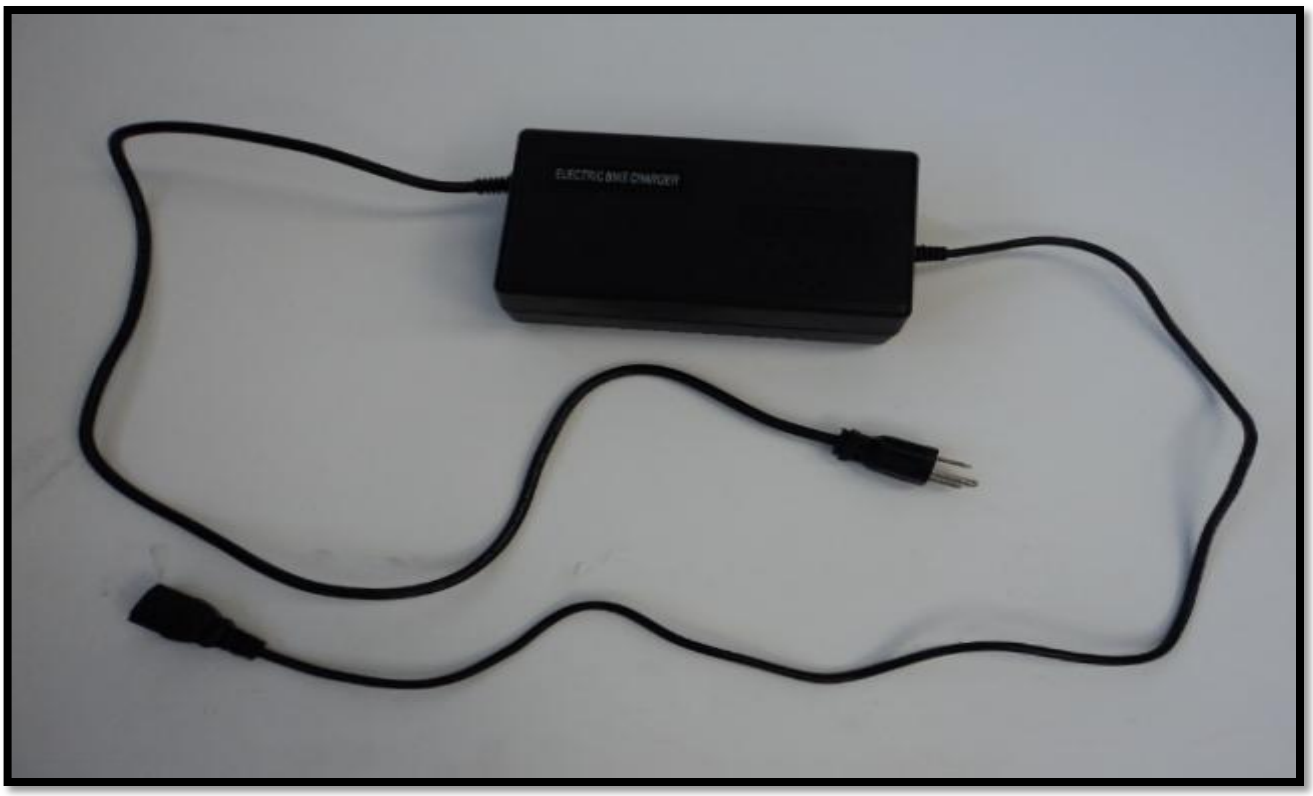
Note: The charger light must be red when both plugs are plugged in. It will always turn red first if the bike has been used. It will turn green after it is fully charged.

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



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 8).

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 lights 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)

Most models have the option of 48V/20Ah or 48V/30Ah lithium batteries as an option.

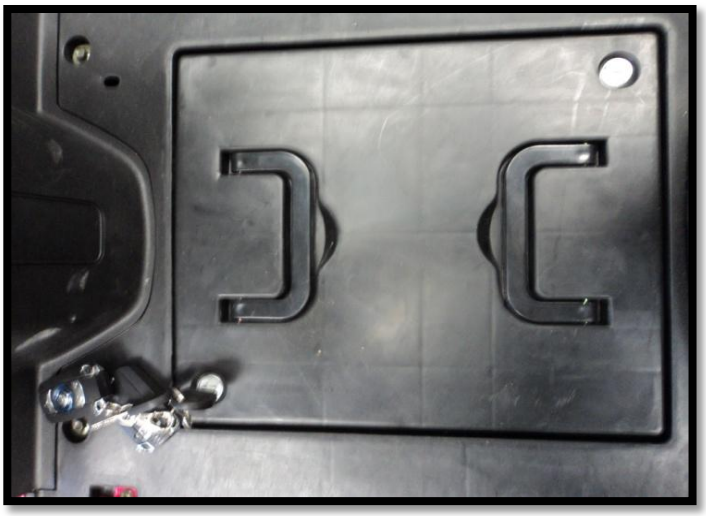
Lithium Battery Charger

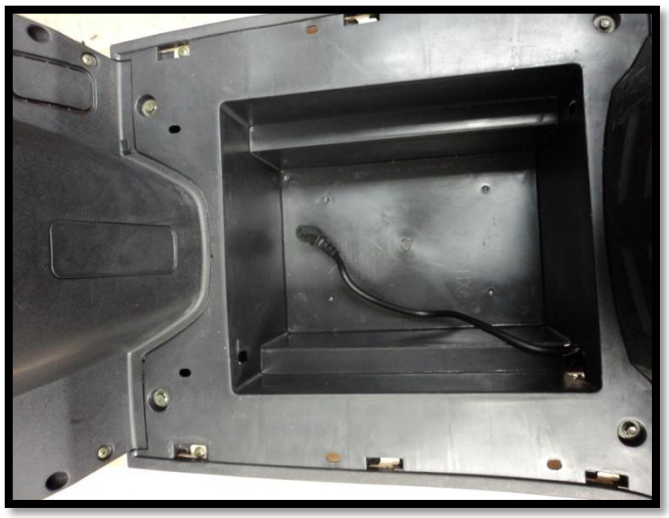
After plugging the separate cable into the charger box, plug the charger into the charger port on the bike. The LED1 light should turn red when the charger box is connected to the bike.

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.

Charging the Battery Directly/Taking the Battery Out





Removing Battery from the Bike

To remove the battery from the bike, first unlock the locks on the battery box (Some models may have two locks, some have one). Removing the battery from the bike by pulling up on the handles provided, and then remove the power cable connected to the battery box. From the same location that the power cable was plugged into, plug the charger into the same port. Proceed to plug the other end of the charger into a 110V power outlet in order to charge your battery.

Brakes and Tire Pressure

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 (Applies to the back as well).

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.

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.

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.

WARNING!

Please do not engage the side stand when the bike is left unattended. The bike is not completely stabilized with this kickstand.

Bike Chain

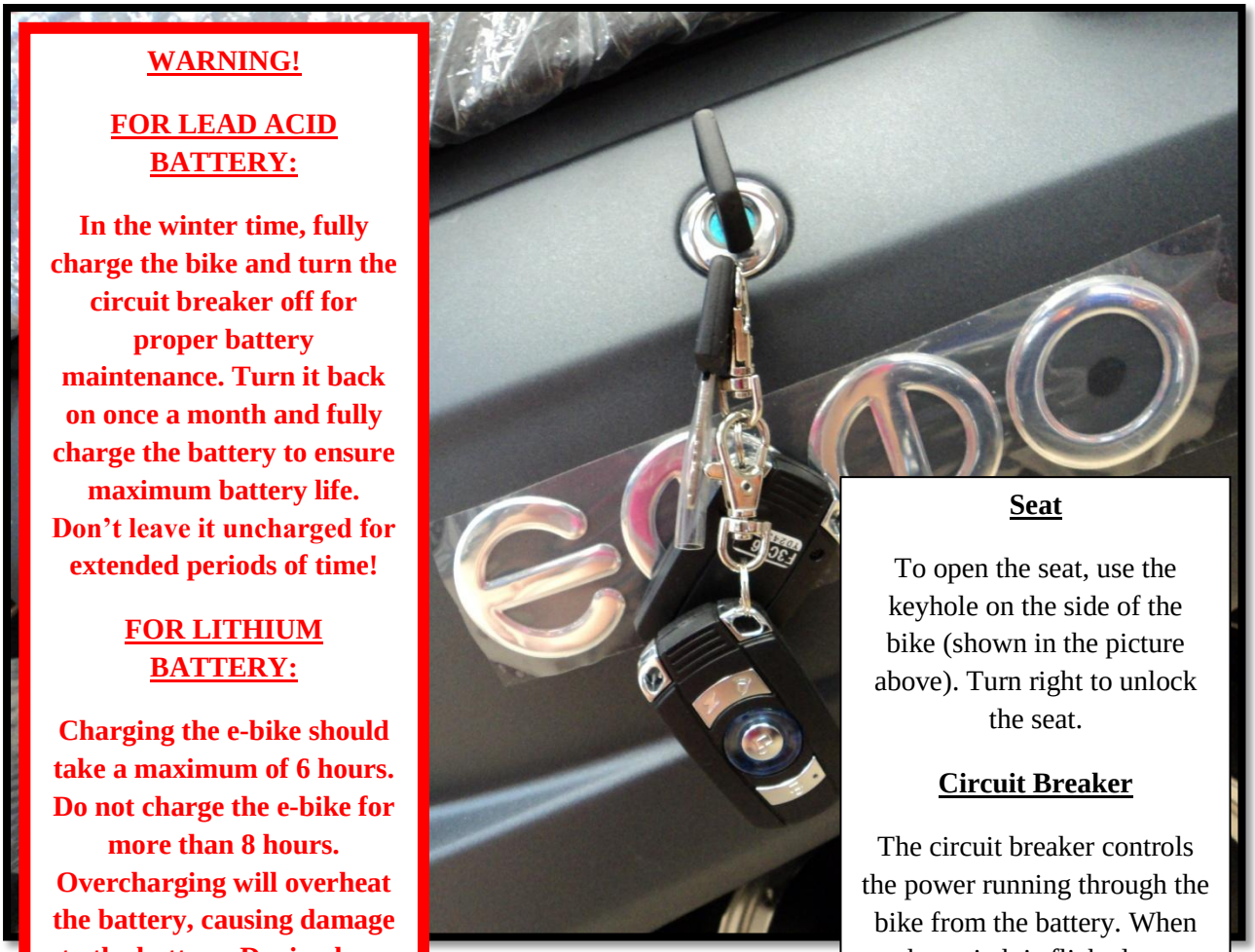
Remember to grease the chains once a month.

Foldable Bike Pedals

To fold the bike pedals, push the pedal inwards and lift up.

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.



WARNING!

FOR LEAD ACID BATTERY:

In the winter time, fully charge the bike and turn the circuit breaker off for proper battery maintenance. Turn it back on once a month and fully charge the battery to ensure maximum battery life. Don't leave it uncharged for extended periods of time!

FOR LITHIUM BATTERY:

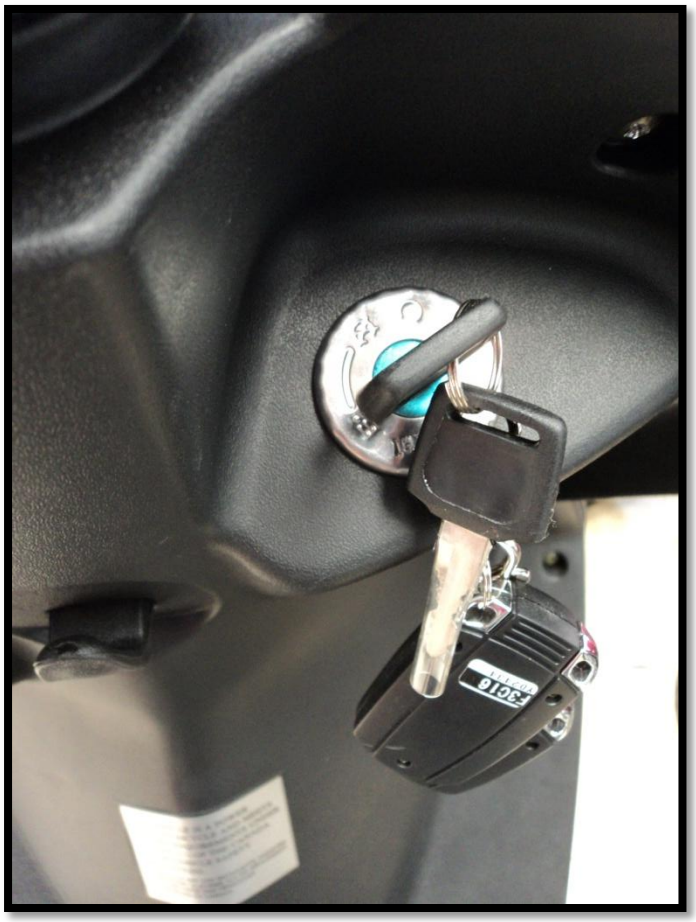
Charging the e-bike should take a maximum of 6 hours. Do not charge the e-bike for more than 8 hours. Overcharging will overheat the battery, causing damage to the battery. During long periods of inactivity, make sure that there is more than 25% power in the battery, then remove the battery from the bike.

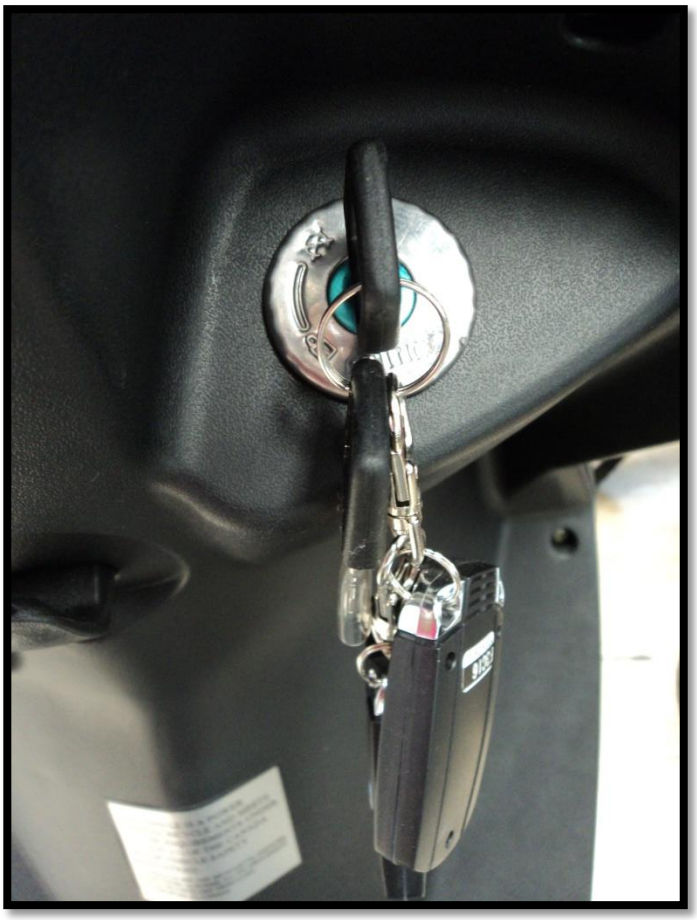
Seat

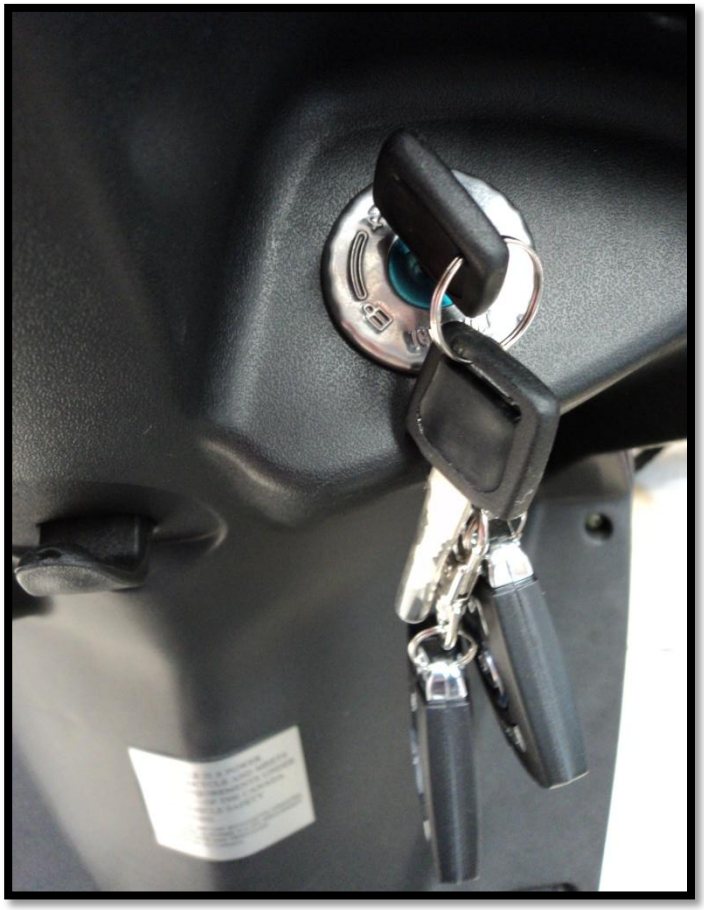
To open the seat, use the keyhole on the side of the bike (shown in the picture above). Turn right to unlock the seat.

Circuit Breaker

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







Key Positions in Ignition

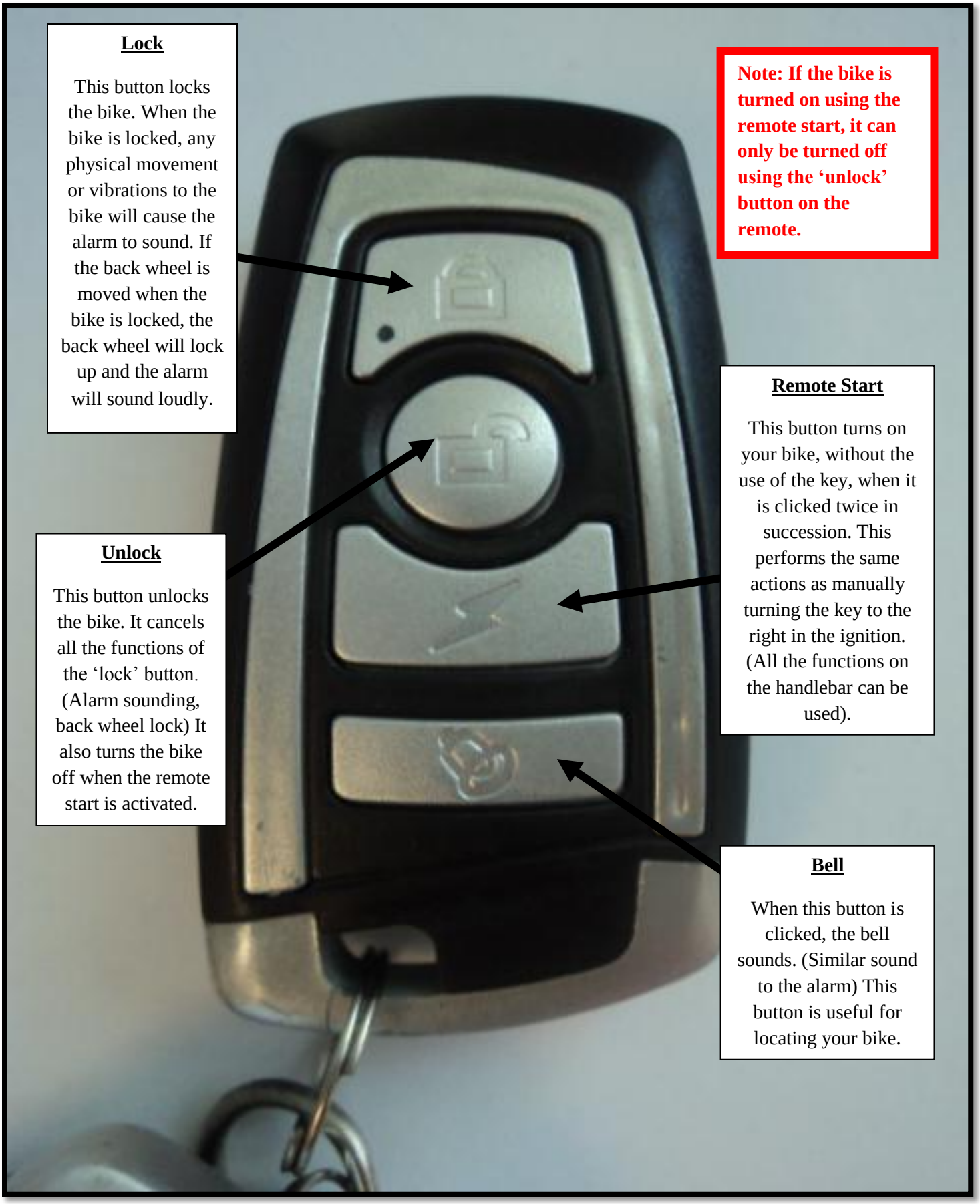
1. This is the ‘on’ position. This position is reached when the key is turned to the right, from the off position. The bike will turn on, and all functions on the handlebars will work.

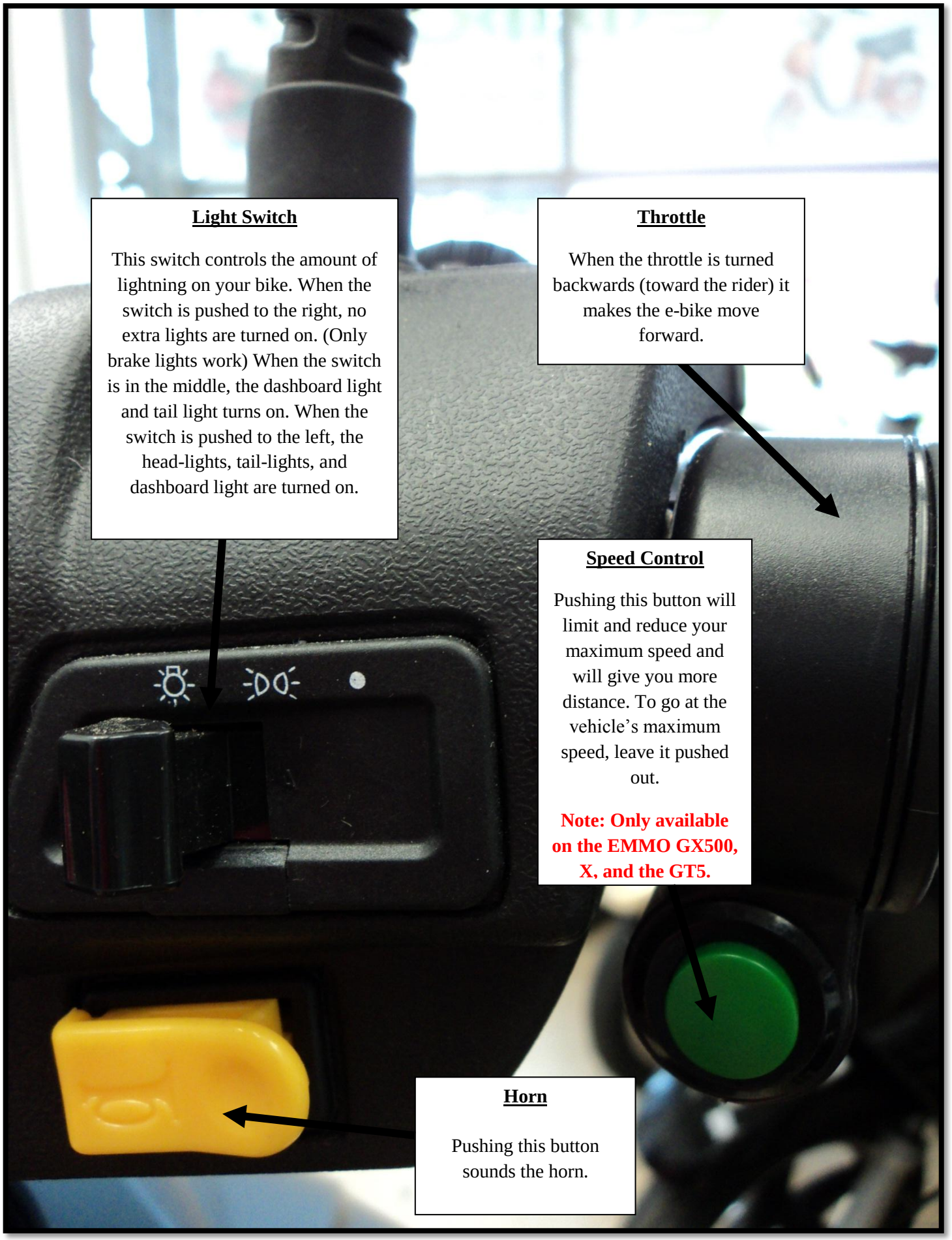
2. This is the ‘off’ position. The key simply rests in the bike, and the bike is not turned on.

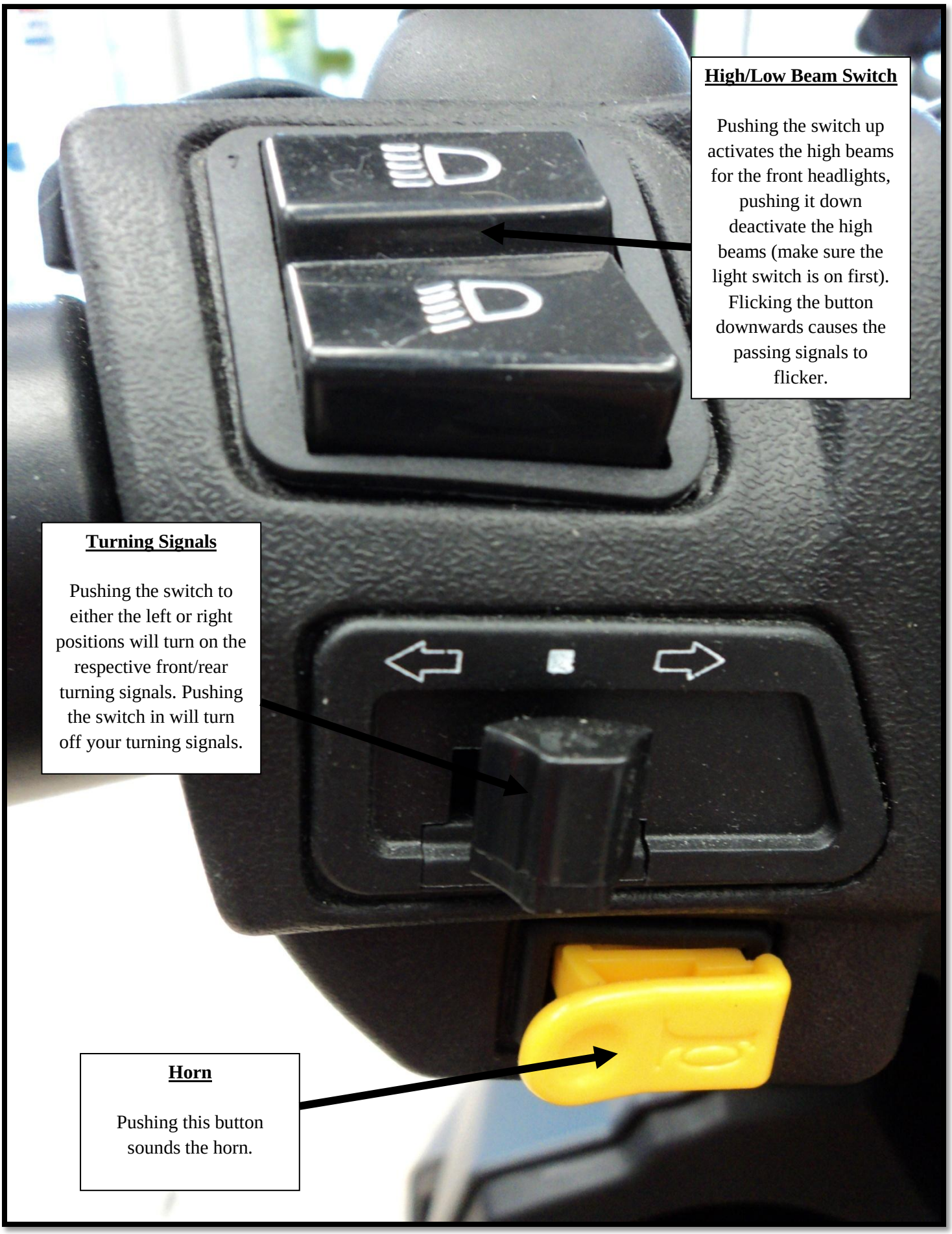
3. This is the handlebar lock position. This position is reached when the key is pushed in, and then turn to the left, from the off position. This locks the handlebar when it is turned all the way to the left. (The handlebar must be turned all the way to the left before the key will turn).

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.

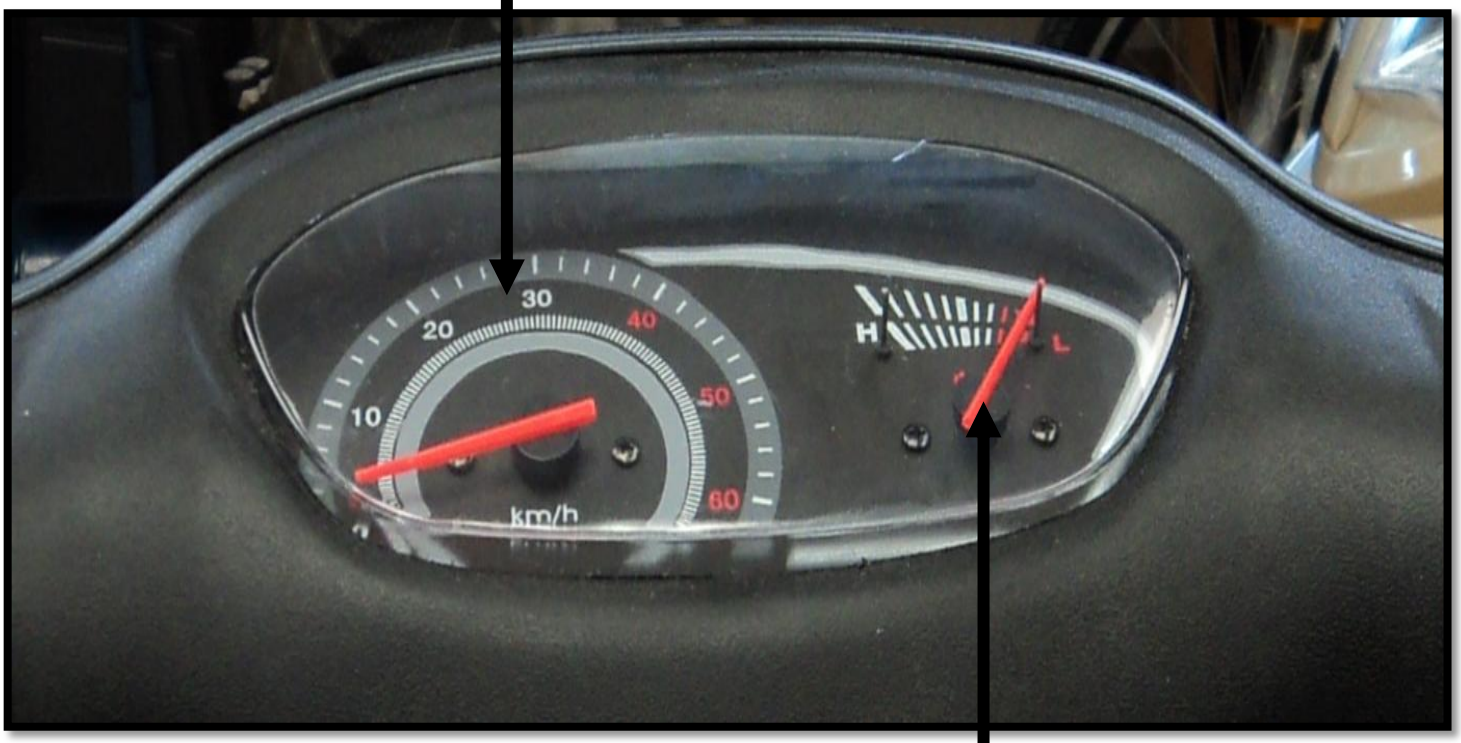

Lock
This button locks the bike. When the bike is locked, any physical movement or vibrations to the bike will cause the alarm to sound. If the back wheel is moved when the bike is locked, the back wheel will lock up and the alarm will sound loudly.
Note: If the bike is turned on using the remote start, it can only be turned off using the 'unlock' button on the remote.
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).
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.


Light Switch
This switch controls the amount of lightning 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.
Throttle
When the throttle is turned backwards (toward the rider) it makes the e-bike move forward.
Speed Control
Pushing this button will limit and reduce your maximum speed and will give you more distance. To go at the vehicle's maximum speed, leave it pushed out.
Note: Only available on the EMMO GX500, X, and the GT5.
Horn
Pushing this button sounds the horn.


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.

E-bike Registration

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

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

www.facebook.com/EmmoCanada

info@emmo.ca

Any laws/regulations regarding "E-bikes" can be found on the Ministry of Transportation website: www.mto.gov.on.ca

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If you have further questions, please contact us at:
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