SCAN QR CODE FOR THE ELECTRONIC MANUAL
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LIGHT BEE X
OWNER'S MANUAL

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Please read this manual carefully before riding, and do not use electric motorcycles until you understand their characteristics.
Please keep this manual properly. This manual contains the most current product information available at the time of printing, your motorcycle may look and setup differently from the information supplied in this owner's manual.For the latest function introduction and safety guidelines, please visit our website www.sur-ron.com to view the electronic manual or go to the official online forum to communicate with other users.



This manual covers the following motorcycle

Light Bee X NA

Offroad Tire (Front 70/100-19 Rear 3.00-18)

Riding Tips for Maximum Range

Range varies in Light Bee electric motorcycles similarly to how it varies in gas motorcycles. The range variety of Light Bee electric motorcycles comes from the riding conditions after each full charge. In addition to riding habits, energy consumption is also affected by environmental conditions (such as extreme cold or hot weather, riding on steep hill or soft sand etc.). To achieve the maximum range on a single full charge, please pay attention to reduce the speed advisably and to maintain a constant speed.

To reach the ideal range, please follow the tips below:

1.Avoid frequent and abrupt acceleration and braking.

2.Under safe conditions, riding range can be extended using regenerative braking.

3.Maintain a correct tire pressure (Please refer to Standard Tire Pressure Table at page 10.11).

4.Remove any unnecessary load.

5.The maximum range in winter and summer could be slightly different.

In conclusion, you can estimate the range according to the above factors and your riding habits.

Note: The range will be varying significantly according to the various road conditions during off-road riding.

Contents

Introduction 1.1

Important Notice 1.1

Transporting 1.2

Safety Information 2.1

Safe Riding Requirements 2.1

Important Information 2.2

Location of Important Labels 2.5

Functional Part Overview 3.1

Display and Indicator 4.1

Dashboard Overview 4.2

Instrument Panel Indicator Lights Overview 4.3

Function Setting 5.1

Dashboard Setting 5.1

System Function Setting 5.1

Contents

Feature Introduction.....6.1
Handlebar Controls.....6.1
Riding Mode Switch.....6.2
SURRON Wheelie Control(SWC) System.....6.3
Auto hold system.....6 .10
Battery Pack Removal.....6 .11
Battery Pack Installation.....6 .12
Battery Bottom Buffer Installation.....6 .13
Charger .....6 .14
T-BOX Binding.....6 .15

Starting and Operating .....7 . 1
Pre-ride Check.....7.1
Key Switch.....7.4
Battery Compartment Lock.....7.5
Riding Light Bee Electric Motorcycle.....7.5
Front Fork Adjustment.....7.7
Rear Shock Adjustment.....7.9

Power Management .....8 . 1
Battery Pack 8.1
Power Supply and Charging 8.4

Power System Management ..... 9 . 1
Power System.....9.1

Maintenance .....10 . 1
Maintenance Items.....10.1
Maintenance Record.....10.1
Scheduled Maintenance 10.1
Periodic Maintenance Table.....10.2
Torque Management 10.3
Battery Pack 10.6
Brake System.....10.7
Suspension System 10.10

Contents

Contents

Wheels and Tires..... 1 0 .11

Chain ..... 1 0 .12

Light Replacement..... 1 0 .14

Motorcycle Cleaning..... 1 0 .14

Long-term Storage..... 1 0 .16

Light Bee Official Parts..... 1 0 .17

Fuse..... 1 0 .17

Light Bee Electrical Schematic Diagram..... 1 0 .19

Troubleshooting..... 1 1.1

Light Bee Electric Motorcycle Troubleshooting..... 1 1.1

Safety Interlock..... 1 1.1

Precautions for Light Bee Electric Motorcycle..... 1 1.1

System Warning Message.....1 1.3

Error Code & Fault List.....1 1.4

Common Troubleshooting.....1 1.8

Contents

Warranty Information.....12.1

Conditions of Warranty.....12.1

Period of Warranty for Surron Motorcycles.....12.1

Parts Covered by the Warranty.....12.2

Warranty Labour Coverage.....12.2

General Exclusion from Warranty.....12.2

Modifications.....12.3

Owners Responsibilities.....12.4

Limitations on Warranty.....12.5

Disclaimer.....12.5

How to Obtain Warranty Service.....12.6

Annex 13.1.....13.1

Maintenance Record.....13.1

After_Sales Record Sheet 1 3.7

Parameters List 1 3.9

Important Notice

Congratulations on your decision to purchase a Surron electric motorcycle, we welcome you to the community of Surron motorcycle riders.

Please read this manual carefully before riding, and do not use electric motorcycles until you understand their characteristics. This manual is designed to provide you with a better understanding of the operation, inspection and basic maintenance of Light Bee electric motorcycle.

You can also find this manual on our official website, welcome to go to http://www.surron.com to download. Updated information will be timely released online, you can download the latest version on the official website.

If you want to resell your motorcycle, please make sure this manual is delivered with the motorcycle.

If you have any questions regarding the operation or maintenance of your motorcycle, please contact the authorized dealer or the after-sales service department of Surron at:

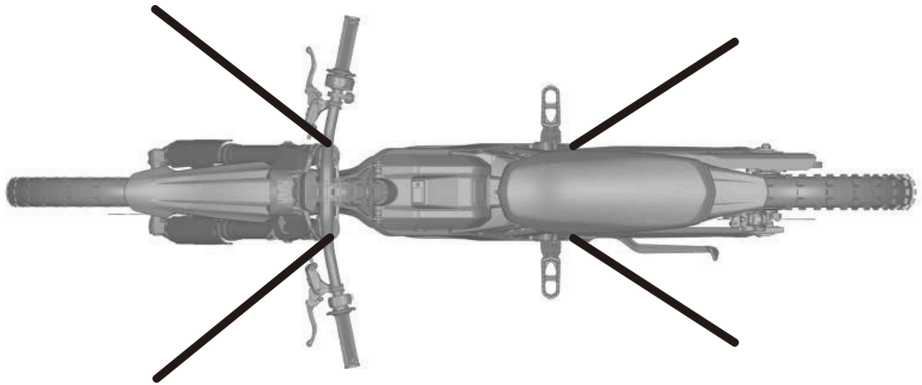
service@qiulongtech.com

WARNING

If the controller, battery pack, motor or charger malfunction, please contact the authorized dealer designated by the Surron immediately for replacement or repair.

Transporting

It is highly recommended that the Light Bee is firmly secured on the transport frame using ratchet straps during transportation. It is recommended to use soft straps to reduce scratches or other damages.It is recommended to fix the ratchet straps according to the points shown in the figure. The front two are tied to the handlebar and the back two are tied to the left and right swing arm. Avoid the chain and brake line when tying the straps. The straps should be fixed at a 45° angle to the motorcycle. Follow the manufacture' s instructions for the ratchet straps you are using.



Safe Riding Requirements

Light Bee is a high performance electric motorcycle and should be treated with extreme caution. Please comply with local laws and regulations, the Light Bee off-road version (X version) is prohibited from driving on public roads.

Proper safety gear, including a regional/national approved helmet, eyewear, riding boots, gloves and protective clothing should be worn while riding to reduce the risk of potential injury. We highly recommend the use of full height motocross boots since the vast majority of motorcycle injuries are through leg and foot impact.

Please read and ensure that you are aware of all warings and instructions as well as safety labels in this manual before operating the Light Bee electric motorcycle.

Before operating a Light Bee electric motorcycle, make sure you are legally qualified to ride an electric motorcycle.

Never consume alcohol or drugs before operating Light Bee electric motorcycle.

Please be responsible for your own riding behavior when operating Light Bee electric motorcycle. Please do not ride dangerously and recklessly. Please do not ride in a way that affects the safety of the public and yourself.

Prior to each use, the rider must check everything in the " Pre-ride Check"'section on page 7.1 and the battery level indicated on the battery indicator.

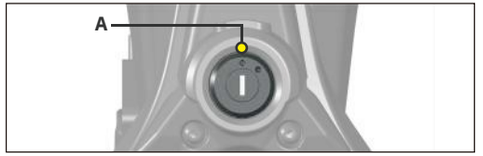
Your safety depends on the good condition of the Light Bee electric motorcycle. Ensure compliance with the periodic maintenance table and adiustment requirements contained in this manual. Make sure you understand the importance of all items that need to be thoroughly checked before riding.

Modifying a Light Bee electric motorcycle may make it unsafe and may cause serious injury. Surron is not responsible for any unauthorized modifications.

Do not load heavy objects or add accessories on the Light Bee electric motorcycle. Large, bulky items can adversely affect the safety and performance of a Light Bee electric motorcycle.

Important Information

Several important operation considerations are listed below: Always turn the key switch A to the OFF position when not actively riding. It is extremely easy to forget that the motorcycle is still in standby mode because Light Bee electric motorcycle is completely silent. An accident can occur if the motorcycle is left powered up while getting on or off the motorcycle.



Please charge the battery pack of Light Bee electric motorcycle after each use. Once fully charged, disconnect from AC power supply. Disconnect the charger and power supply after charging. Make sure that charging is done in an open area or under supervision.

When the key in the OFF position, the motorcycles electronic components will consume a small amount of power and the battery pack will drain extremely slowly.

If you don't ride for a long time (30 days or more), you may need to charge the battery pack first to ensure that it is fully charged.

The battery pack will be damaged if it is stored for a long time at a low battery level.

Safety Information

_____ CAUTION _____

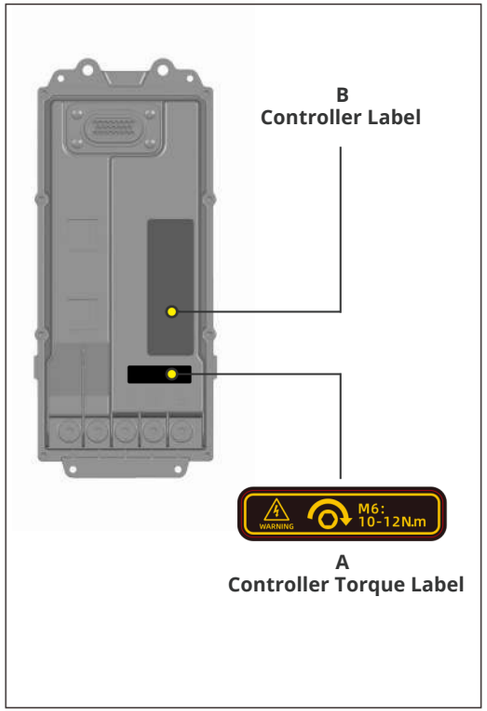
Only charge the Light Bee electric motorcycle ‘s battery pack with the original or manufacturer approved charger.

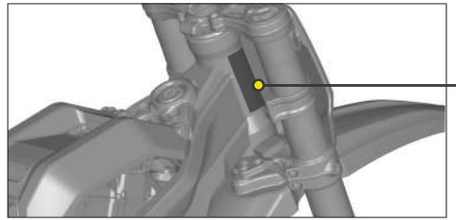
The battery pack does not benefit from deep discharging. To maximize battery life, charge the battery pack immediately after each ride. Frequent deep discharge will adversely affect the battery life.

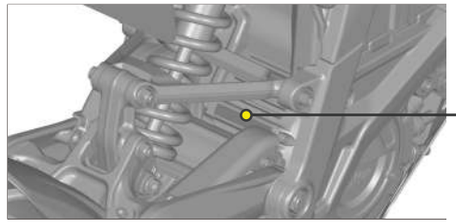
Failure to follow the battery pack storage and charging instructions described in this manual may void the warranty of the Light Bee electric motorcycle. These guidelines have been rigorously tested to ensure maximum battery pack efficiency and service.

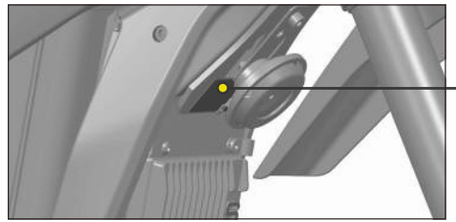
Location of Important Labels











Vehicle VIN Label

T-BOX S/N Label

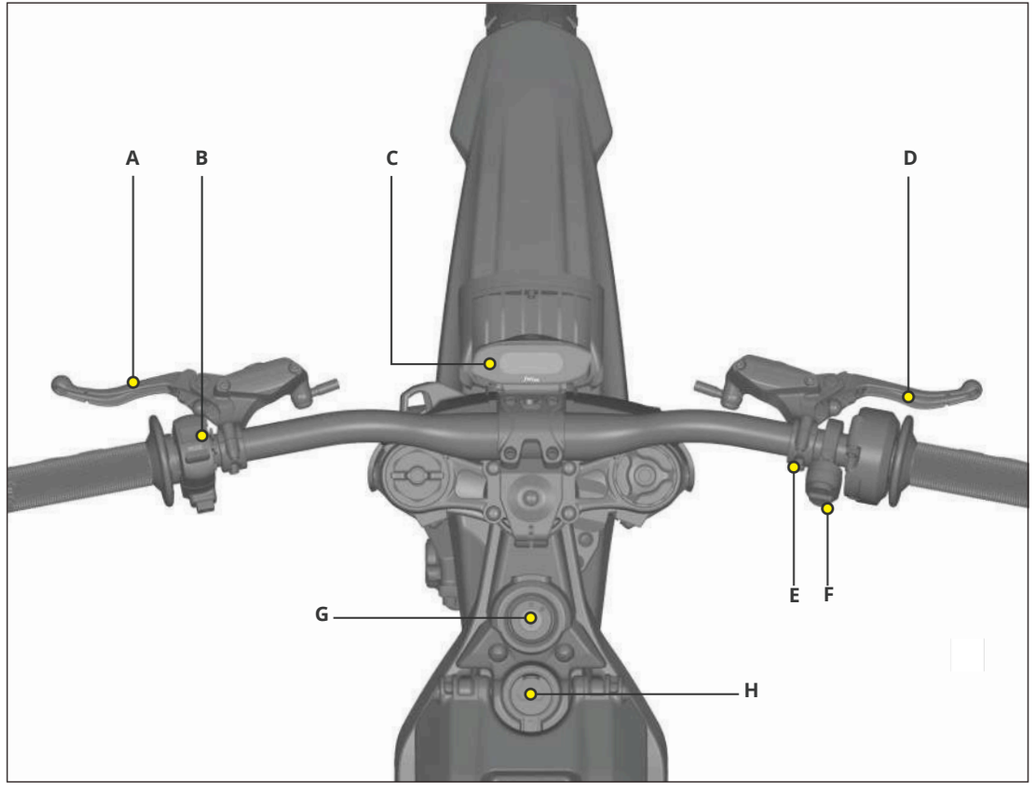
If your vehicle has T-box installed, please visit the Download Center of Surron official website. Download the Surron App, install and connect the device to use.

T-BOX SIM Label

Scan this QR code to enter the Download Center

Please complete the top-up before expiration to avoid service interruption. You can recharge via the “SURRON” app.

Safety Information



Functional Part Overview

A.Rear Brake Lever

For description and operation, please refer to "Feature Introduction", on page 6.1.

B.Left Combination Switch

For description and operation, please refer to "Feature Introduction", on page 6.2.

C.Dashboard

For description and operation, please refer to "Display and Indicator" on page 4.1 and "Function Setting" on page 5.1.

D.Front Brake Lever

For description and operation, please refer to "Feature Introduction" on page 6.1.

E. Right Combination Switch

For description and operation, please refer to “Feature Introduction”, on page 6.1

F.Throttle Grip

For description and operation, please refer to

"Feature Introduction" on page 6.1.

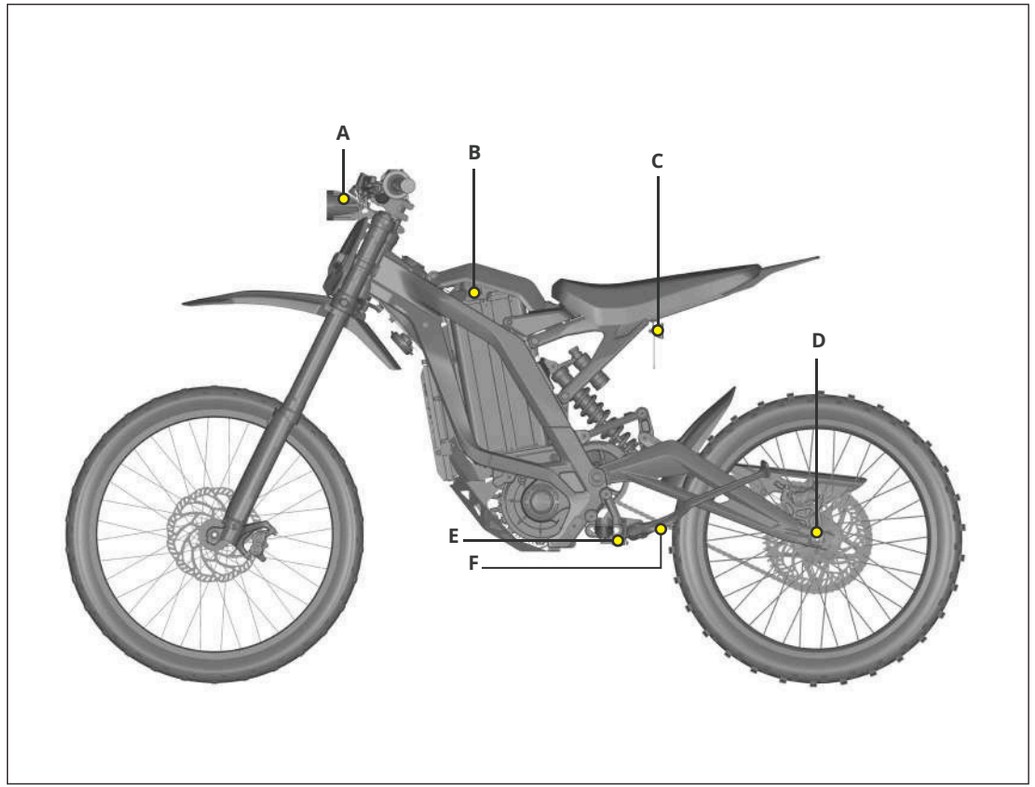
G.Key Switch

For description and operation, please refer to

"Starting and Operating" on page 7.4.

H.USB Port

5V 2.1A Standard USB-A port.



Functional Part Overview

A. Headlight

For headlight replacement,Please refer to"Maintenance" on page 10.14.

B. Battery Charging Port

For description and operation, Please refer to "Power Management" on page 8.2.

C. Tail Light

For tail light replacement, Please refer to "Maintenance" on page 10.14.

D. Chain Adjuster

Located on left and right side. Please refer to "Maintenance" on page 10.12.

E. Side Stand Switch

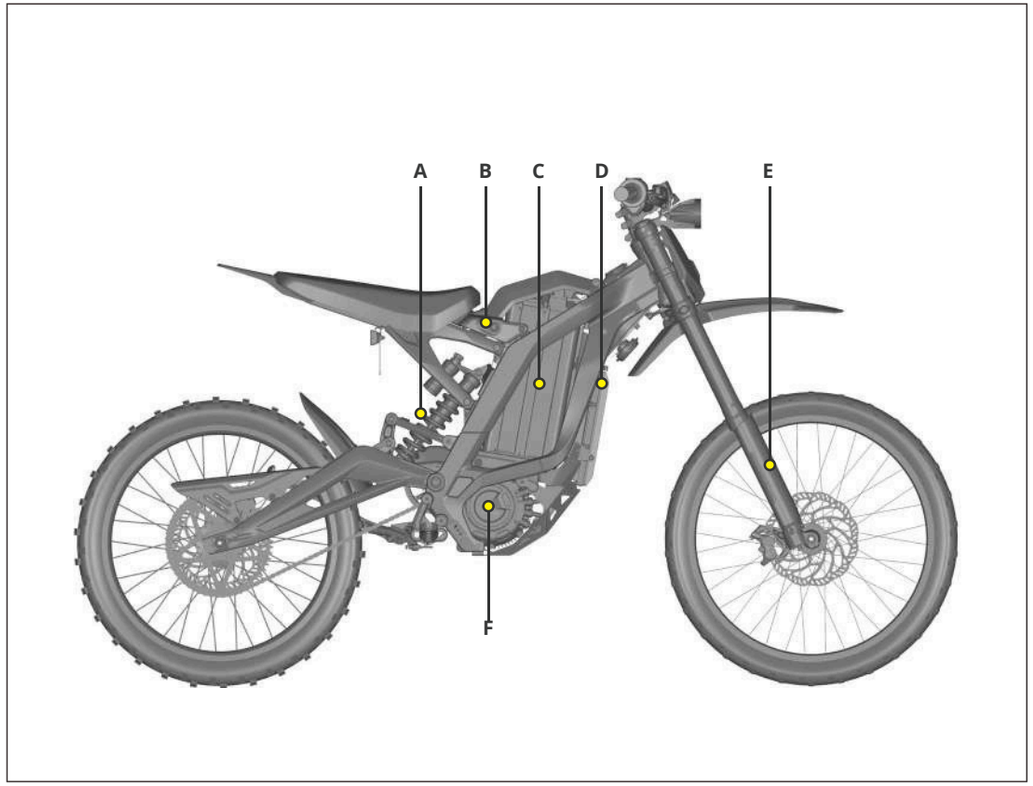
This switch is a safety sensor that prevents misoperation when the side stand is down.

F. Side Stand

The side stand supports the motorcycle when parked. The key switch should be in the OFF position when parked.

CAUTION

Park the motorcycle only on a flat firm surface, otherwise the motorcycle could fall over and cause damage.



Functional Part Overview

A. Rear Shock Absorber

For description and operation, please refer to "Starting and Operating" on page 7.9.

B. Battery Compartment Lock

For description and operation, please refer to "Starting and Operating" on page 7.5.

C. Battery Pack

For description and operation, please refer to "Power Management" on page 8.1.

D. Controller

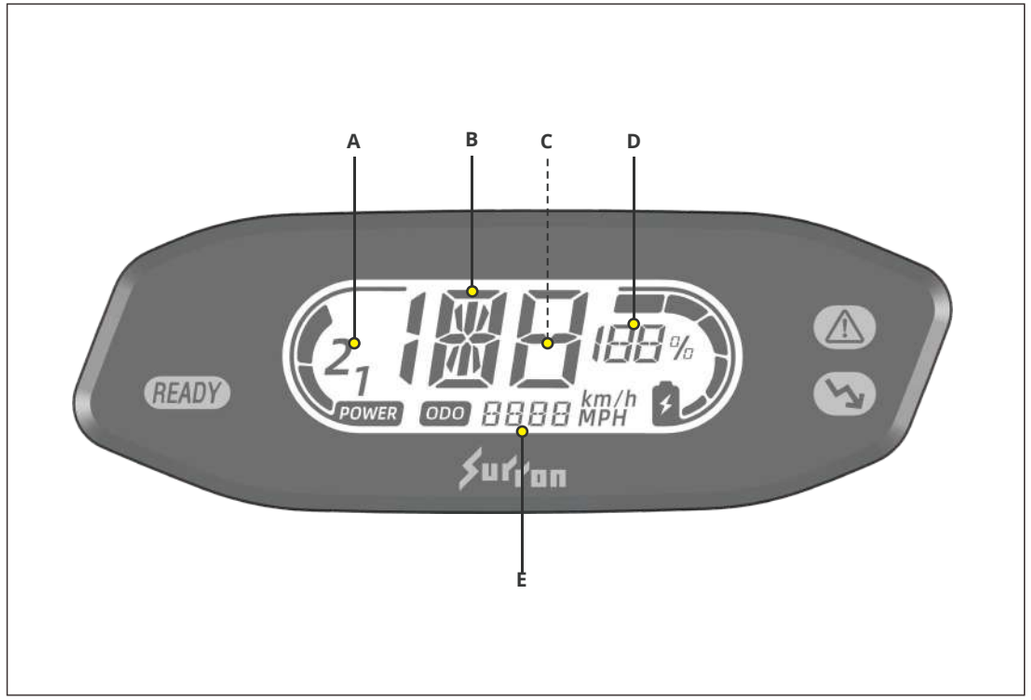
For description and operation, please refer to "Power System Management" on page 9.1.

E. Front Fork

For description and operation, please refer to "Starting and Operating", on page 7.7.

F. Motor

For description and operation, please refer to "Power System Management" on page 9.1.



Display and Indicator

Dashboard Overview

A. Riding Mode

This area displays the riding mode (1 , 2) corresponding to the Riding mode of ECO , SPORT.

B. Speedometer

The speedometer is digital display in either kilometers per hour (km/h) or miles per hour (mph).For description and operation, please refer to “Feature Setting”, on page 5.1.

C. Warning Code Display

When the system fault has been detected, the corresponding Warning Code will be displayed on this area. For Warning Code explanation, please refer to "Troubleshooting" on page 11.3.

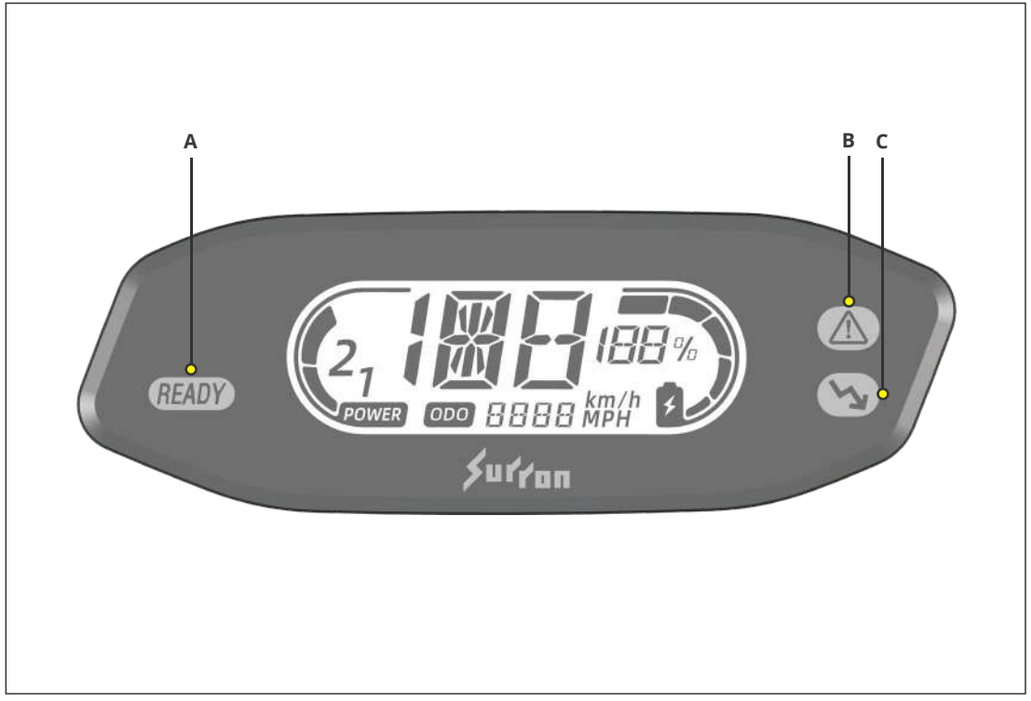
D. Charge Indicator

This indicator displays the SoC (State of Charge) of your battery pack., which is similar to the fuel gauge on a gasoline powered motorcycle.

E. Odometer

The odometer displays the total distance the motorcycle has been ridden in kilometers or miles. For more information, please refer to page 5.1.

Instrument Panel Indicator Lights Overview



Display and Indicator

A.READY Indicator

READY

This indicator illuminates means the motorcycle is ready to go.

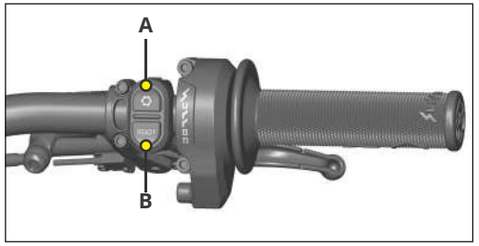
B.System Warning Indicator

The indicator illuminates when a fault has been detected. Please refer to "Troubleshooting" for detailed Warning Code, on page 11.4.

C.Low Power Indicator

This indicator displays the condition of the power system, will continuously flash when the power system enters low power mode.

Dashboard Setting



The information displayed on the dashboard can be set by long press or short press A bottom.

Speed and Odometer Display Unit



Switch between miles per hour (mph) and kilometers per hour (km/h):

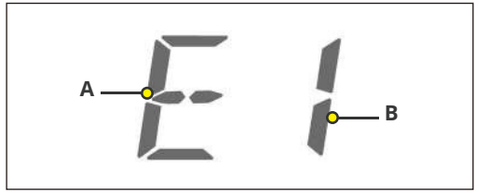
1. Please refer to "Feature Setting", on page 5.2

for switching between kilometers and miles.

2. [redacted] is displayed when selecting miles per hour (MPH).

3. [redacted] is displayed when selecting kilometers per hour (km/h).

System Function Setting



Note：

Displays one letter in field A (Different letters are displayed according to different feature modes). Display one number in field B (Different Numbers are displayed according to different options within any selected feature).

Enter system feature setting:

When the vehicle is stationary, powered on and the throttle grip is fully released，press and hold the SET button + READY button for more than 2 seconds to enter the system feature mode.

After entering the system feature mode, short press the SET button to shift between vehicle functions such as E2, C1, P1. When the vehicle function is paused, for example at E2, short press the READY button to adjust the level to E3, E4, E5,E0, E1 etc., cycling through in order until the level you want is reached. If there is no button operation after 10 seconds, it will automatically exit and save any changes you have made to your settings.

The available features are listed below:

①Energy regenerative (REGEN) level setting (E0 E1 E2 E3 E4 E5).

Factory default is E2（Feature is disabled in E0, and strengthens in turn from E1 to E5).

②Tilt protection feature setting (C0 C1).

Factory default is C1(Feature is disabled in C0，and activated in C1).

③ Brake Priority Start/Stop Setting (P0 P1). Factory default is P0(feature is disabled in P0, and activated in P1).

④Throttle range (F1 F2 F3).

Factory default is F1(At the same speed, the throttle rotation range required progressively decreases from Level F1 to F3. Available in Sport Mode only).

⑤ SURRON Wheelie Control （SWC) System （q0 q1). Factory default is q0(feature is disabled in q0, and activated in q1).

⑥Auto hold system Setting (H0 H1).

Factory default is H0 (feature is disabled in H0, and activated in H1).

⑦ Charging power adjustment feature(U1 U2). Factory default at U2 (U1 means the charging power is 400W; U2 is 850W).

⑧Speed unit setting（y1 y2).

Factory default is y1(y1 is in km/h, y2 is in MPH).

Exit the system feature mode setting:

1.Press and hold the SET button and READY button for more than 2 seconds to exit the system feature mode settings.

2.When selecting and adjusting features, the system will automatically exit the system feature mode settings and save any changes you made if there is no operation for approximately 10 seconds.

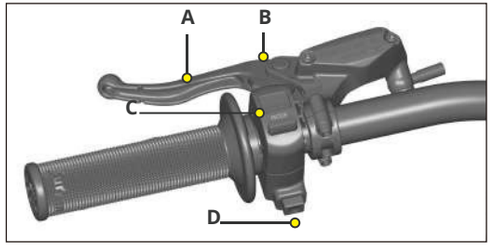
_____NOTE_____

When in system feature mode setting, the vehicle cannot be ridden. You need to exit the system feature mode setting and press the READY button to enable your motorcycle to be ridden.

Be advised that the tilt sensor can be activated when performing jumps or stunts resulting in an unanticipated loss of power.

To extend the life span and the safety of the battery pack, when the battery state of charge (SOC) is over 95% or the battery internal temperature is outside the range of -8°C to 50°C, the energy regenerative function will be disabled, The Alarm AL-128 will appear on the Warning Code Display area.

Handlebar Controls



A. Rear Brake Lever

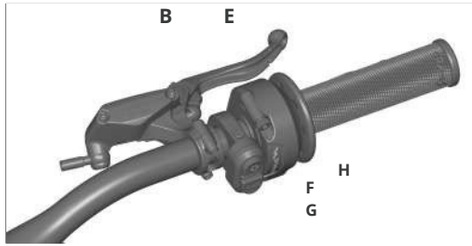
When you pull the lever backwards, it will control the rear brake system.

B. Brake Lever Adjuster

Adjustment knob is used to adjust the brake lever position to fit the rider's preference.

C. Riding Mode Switch

The Riding Mode Switch toggles between SPORT, ECO and DAILY riding modes. For instructions and operations, please refer to page 6.2of "Feature Introduction".



D. Horn Button

When the main power switch and key switch are in the ON position, the horn can make a sound when the horn button is pressed. The Light Bee electric motorcycle is very quiet when riding, and the horn can be used to warn pedestrians or other motorists present.

E. Front Brake Lever

When you pull the lever backwards, it controls the front braking system.

F. SET Butto

This is a momentary button used for system function settings. For detailed operations and instructions, please refer to "System Function Settings." It can also be used to power off the bike; pressing and holding the SET button will exit READY mode, and the dashboard will simultaneously display "AL_158".

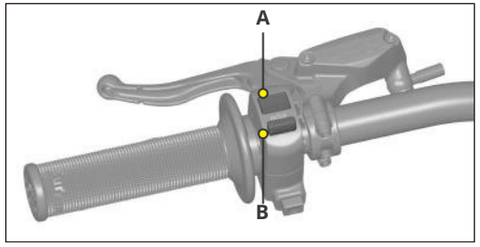
G. READY Button

When the bike is ready, press this button in non-READY state to enter "Rideable" mode. This button also adjusts the levels and angles of the SWC. For details, please refer to "SWC."

H. Throttle

The throttle is used to control speed.

Riding Mode Switch



A. Sport Mode(mode 2):

When in Sport mode, the motorcycle has a strong explosive force, which is suitable for non-paved roads such as offroad tracks and trails. It is recom- mended to use this mode after becoming familiar with the motorcycle.

B. EP Mode(mode 1):

When in EP Mode, the motorcycle has a softer output power and acceleration. It is suitable for user who are not familiar with the motorcycle's handling.

SURRON Wheelie Control (SWC) System

The SWC system is designed as a specialized feature, requiring riders to have appropriate motorcycle control skills for effective operation. The SWC system operates intelligently, relying on gyroscope-based posture sensing to manage the pitch angle, enhance rider safety, and support skill development. The maximum acceleration power depends on the throttle input provided by the rider. To prevent potentially hazardous situations, the system modifies the forward torque and applies reverse torque when the motorcycle's pitch angle nears the preset threshold, maintain- ing the angle within a safe range.

The SWC system can be activated or deactivated by modifying the system function settings. For detailed operating instructions, refer to page 5.4.

_____NOTE_____

1.It is recommended to disable the Brake Priority function to avoid interference with the SWC.

2. The REGEN function remains unaffected by the operation of the SWC system.

3. All electronic control systems function operates within the mechanical limits defined by the motorcycle's design specifications.

4. The SURRON Wheelie Control(SWC) System is designed exclusively as a safety-assist mechanism with certain operational and control limitations. It is not a substitute for the rider's own technical expertise, judgment, or sense of responsibility. Rider's are expected to thoroughly comprehend the system's functional constraints and exercise caution by riding responsibly within their skill level,

taking into account external factors like terrain and weather conditions.

5. Once the SWC system is turned off, the pitch angle control feature will no longer be active. Riders are advised to operate the motorcycle with heightened caution.

6. The SWC system helps the motorcycle operate within its physical capabilities but cannot surpass its inherent physical limitations.

7. Electric motorcycles, with their instant high torque, are more susceptible to wheelie than traditional gasoline-powered motorcycles. To ensure safety, it is important to configure the wheelie control system level and pitch angle properly. Avoid setting the angle too high, as this could increase the risk of accidents.

8.If conditions for the SWC are not met, the system will exit. The "Lx" will flash, and a fault code will be displayed. You must switch to SWC Level 1 or turn off the system. 9.The Light Bee electric motorcycle features reverse protection. The SWC will temporarily deactivate when the bike is moving backward.

10.When the bike is stationary, the SWC will automatically perform gyroscope calibration to ensure high-precision wheelie angle control.

_____WARNING_____

1. Avoid using the horn while operating the SWC system. High-frequency electromagnetic signals could disrupt gyroscope functionality, leading to reduced angle control precision.

2. In challenging conditions like off-road terrain or hill jumps, the SWC system should be deactivated to avoid hindering riding perfor- mance.

3. When using the SWC system, it is essential to wear appropriate protective gear, operate in a flat, enclosed, and secure area, adhere strictly to local laws and regulations, and avoid engaging in unsafe riding practices on public roads.

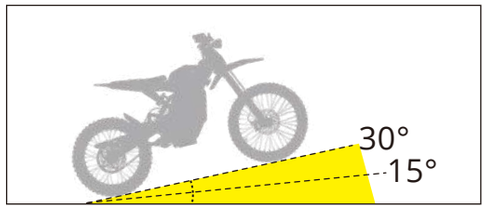
4. The SWC system does not eliminate the inherent risks involved in operating a motorcy- cle. SURRON's responsibility is confined solely to manufacturing or design defects as outlined in the warranty terms. Engaging the SWC system for practicing or performing competi- tive techniques is considered voluntary rider action. Any injuries or property damage resulting from such use will be entirely the rider's responsibility, and SURRON will not be held liable in any capacity.

After activating SWC system and exiting menu, the speed display area on the dashboard will alternate- ly flash "Lx XX" (such as L1 35) for 2 seconds, and then display Nx steadily. To remind rider that the SWC system is currently functioning. Lx refers to the designated gear position within the SWC system, and XX represents the predefined pitch angle assigned to that mode.

The SWC system operates with two levels, L1 and L2. The specifics are outlined below:

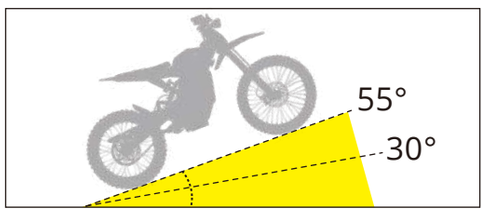
L1 Level (Learning level)

The pitch angle range falls between 15° and 35°. This range is suitable for managing wheelie control during rapid acceleration.



L2 Level (Advanced level)

The pitch angle range falls between 35° and 60° to ensure effective wheelie control at elevated angles.



Feature Introduction

NOTE

1.The level settings and the associated control angles can only be modified once the SWC system is activated.

2. The SWC system L2 Level activates only when the motorcycle is free of faults and the battery pack charge level is less than 80%.

SWC system switch levels: Double click the "READY" button, then circle through L1 → L2 Level.

SWC system angel setting: Long-press the READY button to enter the wheelie angle setting for the current level, the current angle will be displayed steadily. At this moment, click the READY button to increase the angle. Press and hold the READY button again or if there is no operation for 5 seconds, the system will automatically save and exit the wheelie angle setting. When you exit without long-pressing READY button, the selected angle will automatically be saved.

The SWC system is an optional function and can be turned off. SURRON clearly mentions:

This system does not guarantee the prevention of accidents or injuries.

We will not be held responsible for any property damage arising from the following situations:

1. Wheelies when the system is deactivated.
2. Severe negligence in ignoring clear warnings.
3. Making unauthorized modifications without SURRON's approval.
4. Operates under overload despite explicit warnings.

_____NOTE_____

1. Liability for personal injury is disclaimed only as allowed by law. This limitation of liability does not extend to damages resulting from product defects.
2. Riders are required to thoroughly read, under- stand, and agree to all precautions, warnings, and functional limitations detailed in this manual prior to operating the SWC system. Any improper use or incorrect setup due to a lack of under- standing of the system instructions will be the rider's sole responsibility.
3. SURRON Wheelie Control system is not intend- ed to encourage speeding, riding beyond rider's abilities, or engaging in reckless behavior that ignores terrain, weather, load conditions, or relevant regulations. Although the system is designed to regulate pitch angles, it cannot ensure safety in all extreme riding scenarios. Riders are required to remain cautious and aware of potential risks at all times. The rider assumes full responsibility for any direct or indirect damages caused by ignoring warnings or adopting unsafe riding habits, including but not limited to speeding, reckless driving, riding under the influence, failure to use safety equipment, or disregarding system alerts. Such damages may include personal injury, property damage, or psychological harm. SURRON disclaims any liability for these outcomes to the maximum extent allowed by law. This disclaimer does not affect liability related to personal injury that cannot be excluded under applicable laws.

4. For optimal performance and safety of the SWC system, it is essential to use original manu- facturer-certified components like tires and chains. Using non-certified accessories could diminish the system's effectiveness and poten- tially lead to safety risks. Any consequences resulting from such usage will be the sole responsibility of the owner.
5. The gear settings for the SWC system are functional across all drive modes, except crawl mode. It is advised to choose gears and drive modes that align with your riding preferences and the specific terrain conditions.

_____WARNING_____

1. Improper handling or deviation from the system's designated operating procedures may lead to accidents or damage, for which SURRON holds no responsibility.
2. Riders are advised to operate within their skill limits and should not rely entirely on the SWC system to navigate difficult situations or take unnecessary risks.
3. The SWC system's performance might be compromised in specific conditions, including loose sand, deep mud, or steep inclines.

Auto hold system



To enhance the riding experience, the Light Bee electric motorcycle is equipped with an EPB function.

The activation and deactivation of the EPB can be adjusted through the system function settings. For specific operations, please refer to page 5.4. Activating EPB: When the bike is stationary, double-tap the brake lever quickly. The speedometer area on the display will show a solid "H," and the rear wheel will be locked to prevent rolling. (The bike will exit READY mode after staying in this state for a certain period).

Deactivating EPB: To exit, double-tap the brake lever, twist the throttle to start, or turn off the key switch. The "H" display will disappear.

Notes:

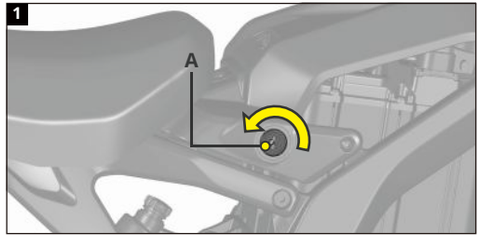
1.It is recommended to disable the EPB function during intense riding such as racing, off-roading, or jumping to prevent accidental activation.

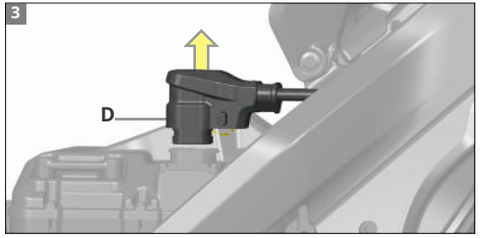
2.The EPB function cannot be used when there is a power system fault.

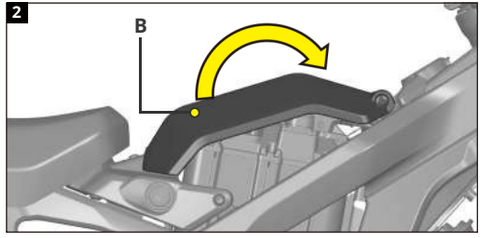
3.The EPB function is not affected by the emergency kill switch.

Battery Pack Removal

1. Insert the key into the Battery Compartment Lock A and turn the key counterclockwise to unlock.
2. Open the Battery Compartment Cover B
3. Hold down the button C, follow the arrow to remove the discharge plug.
4. Remove the battery pack upward in the direction of the arrow.









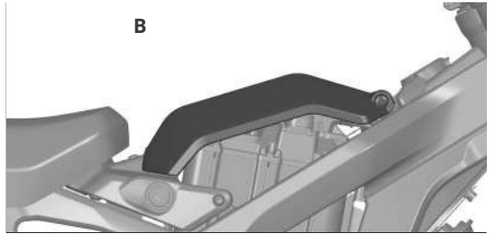
Battery Pack Installation

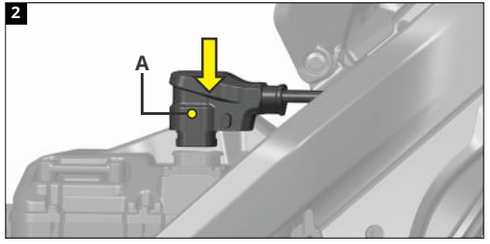
1.Put the battery pack in the battery compartment.

2. Connect the Discharge Plug to the battery socket.

3. Press the Battery Compartment Cover B to lock it.







_____WARNING_____

Before removal and installation of the battery pack on the Light Bee motorcycle, the key switch must be in OFF position.

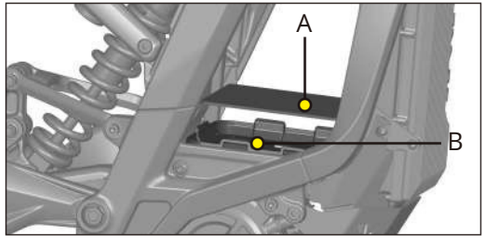
_____CAUTION _____

When removing or installing the battery pack, keep the handlebar centered and position the discharge connector on the outside starboard side of the motorcycle. Ensure the discharge socket dust cap is securely attached.

Battery Bottom Buffer Installation

Remove the battery pack. For description and operation, please refer to page “Battery Pack Removal” on page 6.2.

Tear the protective film of Battery Bottom Buffer A, and paste it on the Battery Bottom Positioning Block B.



CAUTION

When the battery pack is obviously loose in the battery compartment, it is recommended to add buffer to avoid the continuous abnormal noise and damage to the motorcycle.

Charger

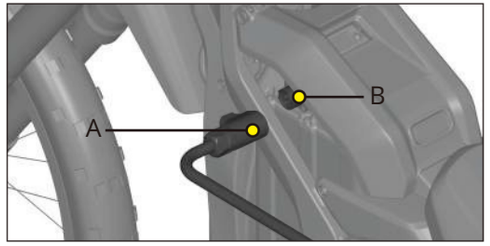
1. Charger port direction: Charger port B has the function of preventing misoperation, and the gap corresponds to battery charging port A for connection.

2. Charging operation sequence:

①Connect the charger output plug to the battery socket;

② Connect the charger input plug to the mains supply;

③ After the mains power is powered on, the charger enters the state of self-test. After the self-test is passed, it will enter the normal charging state.



T-BOX Binding

1.If your vehicle has T-box installed, please visit the Download Center of Surron official website. Download the Surron App, install and connect the device to use.

2.Manually enter IMEI code or scan barcode/QR code, please refer to “Security information” on page 2.5

Scan this QR code to enter the Download Center.

Pre-ride Check

Before operating the Light Bee electric motorcycle, please check the following items to ensure that the motorcycle is in operational condition:

Steering

Check if the handlebar, ahead stem and headset need to be tightened. Adjust if necessary. Please refer to "Torque Management" on page 10.3.

Battery Pack

Check that the battery level displayed on the battery pack is sufficient to support your riding. The range varies according to actual use of different environment, so the displayed battery level is for reference only.

Chain

Check the chain tension and condition. Adjust or replace if necessary. Please refer to "Chain" on page 10.12.

Brake System

Pull the brake lever and push the motorcycle to see if the front and rear wheels can be fully locked. You should be able to lock the wheels completely by braking.

Throttle

When the key switch is in the off position, twist the throttle and release it to check whether the throttle rotates smoothly and returns to idle freely.

Tire

Check the tire pressure and tread depth of the tires.

Check the cold tire pressure, maintain the correct tire pressure. Check for damage and abnormal wear of the tire. As described on page 10.11, when the tread depth reached the warning mark on the tire, please replace replace the tire immediately.

Starting and Operating

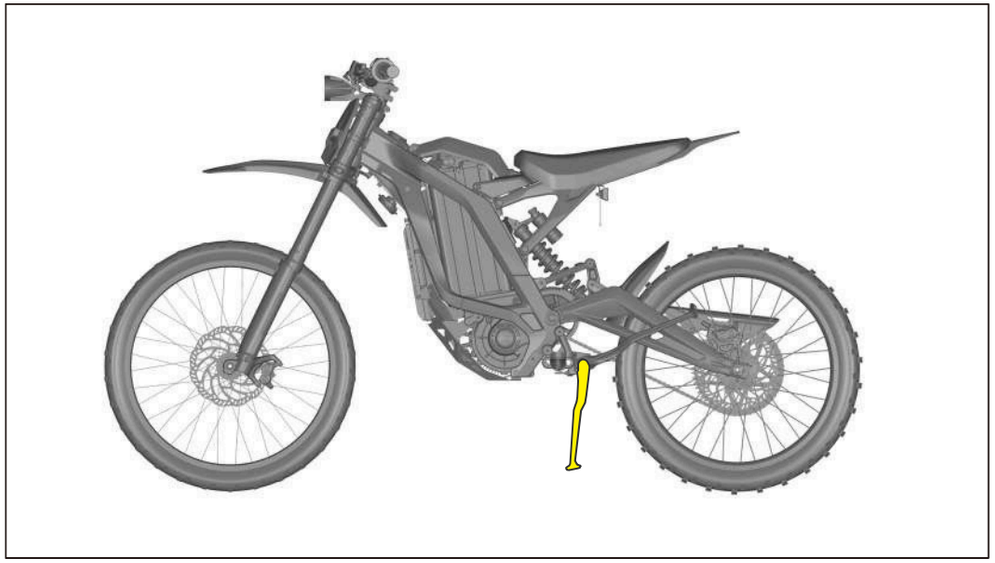
_____WARNING_____

Improper tire pressure is a common reason that causes tire failure, and may cause severe tire ruptures, tread separation and loss control of the electric motorcycle, which may result in serious personal injury. Check the tires regularly to ensure proper tire condition.

Electrical System

Check whether the headlight and tail light are functioning properly.

Check whether the side stand switch and tilt switch are functioning properly.

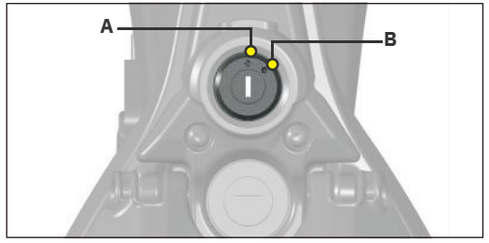


Key Switch

This is a two-position switch located on the USB charging port holder. The functions are as follows:

OFF A

ON B



OFF Position

This position is to turn off the Light Bee electric motorcycle, thereby turn off all the electrical system. The key can also be removed from this position.

ON Position

This position is to turn on the Light Bee electric motorcycle. The following changes occur when switch to this location:

Dashboard ON.

Headlight ON.

Tail light ON.

Operating the Key Switch:

1. Insert the key into the key switch and turn clockwise to switch the key from OFF position to ON position to power on the Light Bee electric motorcycle.

2. When the Light Bee electric motorcycle is powered on, turn the key counterclockwise to switch the key from ON position to OFF position, then the Light Bee electric motorcycle is powered off. Remove the key immediately after turn off the key switch and safely park the motorcycle to prevent the theft.

Battery Compartment Lock

This is a two-position self-return switch located on the right of the frame body. The functions are as follows:

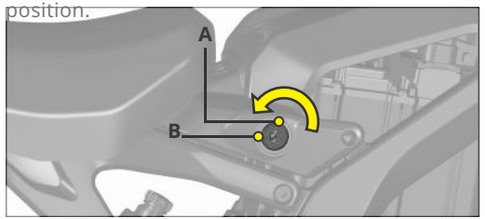
1. Lock A

2. Unlock B

Operating the Battery Compartment Lock:

1. When in lock position, insert the key into the Battery Compartment Lock and turn counterclockwise to switch the key from lock position to unlock position. When the key is in unlock position, the battery compartment cover can be opened.

2. When releasing the key, the key will automatically return from unlock position to lock position, and the key can be removed when in lock position.



Riding Light Bee Electric Motorcycle

Starting

1. Turn the key switch to the ON position.
2. Confirm the battery level displayed on the battery is sufficient.
3. After confirming that there are no obstacles and passing vehicle in the surrounding area, lift the side stand, press the READY button to enter the READY mode, and the green READY indicator on the dashboard will light up, and twist throttle inward (counter clockwise) to increase the speed and start riding.

Braking

The brake levers are located on the left and right of handlebars.
The right brake lever controls the front brake.
The left brake lever controls the rear brake.

Starting and Operating

_____WARNING_____

Gradually increase the braking force could stop the Light Bee electric motorcycle gently without locking the wheels. The Light Bee electric motorcycle is a powerful vehicle, so it is highly recommended that you practice adequately and master all the safe emergency stop operation.

Parking

1. Ensure the throttle is at idle position.
2. Put the side stand down in case of the motorcycle tilt over.
3. Turn the key switch to the OFF position then remove the key, and keep it safe.

_____NOTE_____

After each ride, please check the remaining battery level and charge the battery pack in time.

Front Fork Adjustment

_____CAUTION _____

For any adjustable knob to be adjusted to the full, it should be adjusted one space back after reached the end space.

Preload

Adjust the preload by turning the knob A on the top of the left front fork. The symbol "+" means to increase the preload, and the symbol "-" means to decrease the preload.

Turn the adjusting knob A clockwise in the "+" direction to increase the preload.

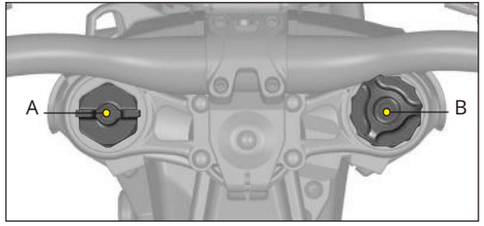
Turn the adjusting knob A counterclockwise in the "-" direction to decrease the preload.

Rebound Damping

Adjust the rebound damping by turning the knob B at the top of the right front fork. The symbol "+" means increasing rebound damping, and the symbol "-" means decreasing rebound damping.

Turn the adjusting knob B clockwise in the "+" direction to increase the rebound damping, resulting in slower rebound speed.

Turn the adjusting knob B counterclockwise in the "-" direction to decrease the rebound damping, resulting in faster rebound speed.



_____CAUTION _____

The preload and rebound damping should be adjusted properly according to the road conditions and the weight of the rider. Avoid adjusting the damping to the maximum limit, otherwise it may cause the front fork malfunction or even serious injury.

_____NOTE_____

The appearance of front fork may vary in different brands, please refer to the actual product.

_____NOTE_____

Please check and calibrate the air chamber pressure regularly. Recommended value: 80-100 PSI.



Rear Shock Adjustment

_____CAUTION _____

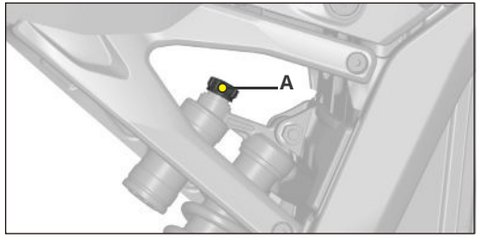
For any adjustable knob to be adjusted to the full, it should be adjusted one space back after reached the end space.

Compression Damping

Adjust the compression damping by turning the knob A at the top right of the rear shock. The symbol "+" means increasing compression damping, and the symbol "-" means decreasing compression damping.

Turn the adjusting knob A clockwise in the "+" direction to increase the compression damping.

Turn the adjusting knob A counterclockwise in the "-" direction to decrease the compression damping.



_____NOTE_____

The appearance of rear shock may vary in different brands, please refer to the actual product.

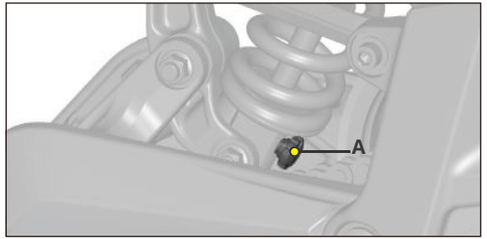
Starting and Operating

Rebound Damping

Adjust the rebound damping by turning the knob A at the bottom right of the rear shock. The symbol "+" means increasing rebound damping, and the symbol "-" means decreasing rebound damping.

Turn the adjusting knob A clockwise in the "+" direction to increase the rebound damping, resulting in slower rebound speed.

Turn the adjusting knob A counterclockwise in the "-" direction to decrease the rebound damping, resulting in faster rebound speed.



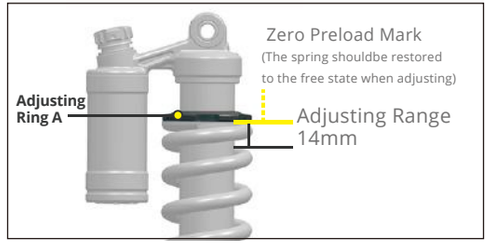
_____NOTE_____

The appearance of rear shock may vary in different brands, please refer to the actual product.

Preload

Turn the adjusting ring A with the adjusting wrench.

Turn the adjusting ring A counterclockwise to decrease the spring preload; turn the adjusting ring A clockwise to increase the spring preload.



CAUTION

It is NOT recommended to adjust the preload more than 14mm. Excessive preload will affect the effective travel of the rear shock. The damping and preload should be adjust- ed properly according to the road conditions and the weight of the rider. Avoid adjusting the damping to the maximum limit, other- wise it may cause the rear shock malfunc- tion or even serious injury.

NOTE

The appearance of rear shock may vary in different brands, please refer to the actual product.

Battery Pack

The Light Bee electric motorcycle uses high-performance and high rated lithium-ion battery which can be used in the ambient temperature range of -15 ~ 40°C（5~104℉）, the best working condition is when ambient temperature is between 10°C ~ 30°C（50~86℉）. Extreme low or high ambient temperature will affect the battery pack performance and life span. Do not use the battery pack at temperatures beyond the allow- able range, and do not charge the battery pack below 0°C（32℉）.

The charging time of the battery pack is about 4 hours in 25°C（77℉） ambient temperature.

When the ambient temperature is too low, the performance of the battery pack will be affected. It is normal that the range will be reduced a little, and the performance of the battery pack will automatically recover after the temperature rises back to working condition.

When not in use for a long time, please charge the battery level to 60% ~ 80%, and check the remaining capacity every month. Charge the battery pack once when the battery level is less than 20%, so as to avoid excessive discharge of the battery pack, affecting performance and causing damage.

It is strictly prohibited to use high pressure water gun to flush the battery pack or immerse the battery pack in water. The wading of the whole motorcycle should not exceed the center of the wheel, otherwise it may cause water ingress in the battery pack, internal short circuit and permanent failure of the battery pack.

If water ingresses into the battery pack or battery pack has other issues, it is strictly forbidden to charge or use the battery pack. It may cause fire, burn and explosion of the battery pack.

The battery pack is water resistant and sealed with a high voltage circuit inside. Damaged external structure will reduce the water-resistant performance of the battery pack. If the water-resistant structure is damaged, please contact the after-sales service. It is strictly forbidden for users to disassemble the battery pack to avoid potentia damage and serious danger.

Cold Weather

The cold weather will not permanently affect battery capacity of Light Bee electric motorcycle. However, riders may find the motorcycle's range and power reduced as cold temperature may impact on the amount of power the battery pack can release.

Therefore, when used in an environment below 0°C (32°F) compared to an environment at 25°C (77°F), the Light Bee electric motorcycle may temporarily reduce its range by about 30%.

In extreme cold weather, the Light Bee electric motorcycle may also temporarily reduce power and fail to reach top speed.

It is not recommended to ride the motorcycle when temperature is extremely low. If so, the battery pack must be placed at ambient temperatures above 0°C when charging. The battery management system (BMS) of Light Bee electric motorcycle does not allow the battery pack to discharge below -20°C, which is strictly limited by the battery manufacture.

It is recommended to store the Light Bee electric motorcycle in a suitable temperature environment.

Storage temperatures below -20°C may permanently reduce the battery pack performance. Keep the temperature above -20°C and follow the guidelines for long-term storage (please refer to "Long-term Storage" on page 10.13) to ensure that the battery pack is not permanently damaged during winter storage.

Hot Weather

In high temperature condition, the battery won't have any performance changes. However, when the battery pack temperature is above 65°C, the motor controller will limit the power output. If the temperature continues to rise, the battery output will be turned off.

When the battery internal temperature exceeds 60°C, the battery management will no longer allow charging.

Power Management

_____ CAUTION _____

With the battery pack's own protection in effect, the battery pack is not allowed to be charged at temperature below 0°C. Similarly, as long as the battery pack is at a temperature above -20°C in the winter, it can avoid damage to the battery pack when it is maintained at more than 30% of the battery level.

_____ CAUTION _____

Please do not leave the Light Bee electric motorcycle or its battery pack in an environment above 40°C or under direct sunlight for long periods of time, as this may accelerate the degradation of battery performance.

Power Supply and Charging

Before charging, please check whether the grid voltage is within the input voltage range supported by the charger.

For USA and Japan: 100~120V AC,45~65Hz;

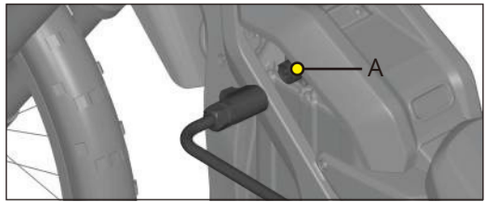
For Europe: 200~240V AC, 45~65Hz.

Before charging, please check whether the socket load power of AC power network can meet the power requirements of the charger (1000W or more is recommended)

When charging, please connect the charger output plug to the battery pack first, then connect the charger input plugto the AC power supply.

Connect the charger output plug into the battery charging port A on the left side of the motorcycle to charge.

The charger will turn off automatically when the battery pack is fully charged. Please disconnect the power supply for the charger and the charging plug connected to the battery.



_____ CHARGING PRECAUTIONS _____

When charging, please put the motorcycle / battery pack in a safe place, beyond the reach of children.

Avoid using the battery pack when it has just finished charging. After fully charged, disconnect the charger before use. it is recommended to let it stand for 10 minutes or more before use.

It is prohibited to cover any object on the charger during charging. The charger is for indoor use, please use it in a dry and well-ventilated environment.

Do not plug or unplug the battery pack discharge plug during charging. This may cause a short circuit and create a hazardous situation.

Please cover the charging port cap of the battery pack after charging is completed.

_____WARNING_____

Always charge the battery pack in a well-ventilated environment and keep away from any combustibles. Do not charge in rain.

The battery pack can only be charged with the original charger or dedicated charger specified bymanufacturer. The use of unauthorized chargers or accessories may cause damage, failure of the battery pack or even danger.

Power Management

_____WARNING_____

Do not charge the battery pack below 0 ℃ (32 ℉), otherwise it will damage the battery pack. The battery pack can be charged again after its temperature rises back above 0℃(32 ℉).The maximum allowable charging temperature insidethe battery pack is 60 ℃(140℉).

If the internal temperature of the battery pack exceeds this value, it can only be charged after natural cooling below 55 ℃ (131 ℉). The battery pack will discharge and heat up rapidly after heavy riding. Even if the ambient temperature is low, the battery pack internal temperature may still be high.

The battery pack is only allowed to naturally stand and return to normal temperature. Do not use other methods to rapidly raise or lower the temperature of the battery pack.The

battery pack may not be able to be charged immediately after high power output or high temperature operation. Charging should begin after the battery pack has cooled for 30 minutes or more. The battery management policy does not allow charging when the internal temperature is too high to protect battery life.

_____SERIOUS WARNING_____

If you find the following situations, please stop charging and disconnect the power supply immediately, and do not use the electric motorcycle，Contact Surron after-sales service or send to maintenance point as soon as possible:
The battery pack housing is damaged;
Strange smell during charging;
The battery pack or charger overheated;
Smoke or fire in the battery pack. If occurs, throw the battery pack into water immediately to avoid further losses.

_____ CAUTION _____

Due to the continuous optimization of the low power consumption protection feature of the 2025 model Light Bee battery pack, when the battery pack is charged 6 or when the circuit breaker of the vehicle is in the off position, it may remain in a dormant protection state. To initiate charging, it is necessary to activate the battery pack by pressing the button located next to the battery LCD screen.

Power System

The power system of Light Bee electric motorcycle mainly consists of a motor and a controller.

_____WARNING_____

It is strictly prohibited for users to disassemble the motor without permission, otherwise it may cause the position sensor malfunction or damage the corresponding seal which can lead to motor failure.
It is strictly prohibited to disassemble the controller and its cables without permission, it may cause serious consequences such as electric shocks and burns. The controller is a high-voltage precision electronic component with cables carrying large current. Incorrect wiring connection and wrong screw torque may cause damage to the controller or power system.

_____WARNING_____

The power system of the Light Bee electric motorcycle must be repaired or replaced by a trained professional technician authorized by Surron. Users are not allowed to disas- semble or modify the power system of the Light Bee electric motorcycle. It's prohibited to put the power system into the water, otherwise it will cause damage.
Power cables have high current during operation, do make sure the cables are correctly and firmly connected, ensure that the torque and tightness of cable fastening bolts meet the requirements, and ensure cable insulation protection meets the requirements and cables is strictly prohibited.

_____WARNING_____

The power system is a 72V high voltage system. During operation, repair and maintenance of the motorcycle, ensure that the motorcycle and power cables are well isolated.

Power System Management

Maintenance

Maintenance Items

The following table lists the brake fluid to be replaced for maintenance.

Parts	Type	Volume
Brake Fluid	DOT4	

Maintenance Record

Please follow the Periodic Maintenance Table on page 10.2. After each scheduled service or maintenance is performed, please record all the required information in the Maintenance Record of this manual.

Scheduled Maintenance

The Light Bee electric motorcycle must be maintained as scheduled to ensure safe and reliable performance. The required maintenance schedule specifies how often you should have your electric motorcycle serviced and which items need attention. If you do not feel performing the tasks or need assistance, please contact your nearby Surron authorized dealer to maintain your motorcycle. The warranty will be void if damage, malfunctions, or performance problems are caused by improper maintenance or repair of the electric motorcycle.

The service intervals in this Periodic Maintenance Table are based on riding conditions on unpaved surfaces. If you often ride in wet or dusty areas, some items will need more frequent service. Please consult your local dealer for recommendations applicable to your individual needs and use. It is recommended that you maintain your Light Bee electric motorcycle at least once every 6 months regardless of the distance ridden.

CAUTION

It is recommended to check the tightening torque of all the screw and bolts before every track or trail ride.

Periodic Maintenance Schedule

Regular maintenance must be carried out according to the schedule below to keep your electric motorcycle in optimal operating condition. Initial maintenance is crucial and must not be neglected. Where both time and mileage are listed, follow the interval that occurs first.

Electric Motorcycle Periodic Maintenance Table

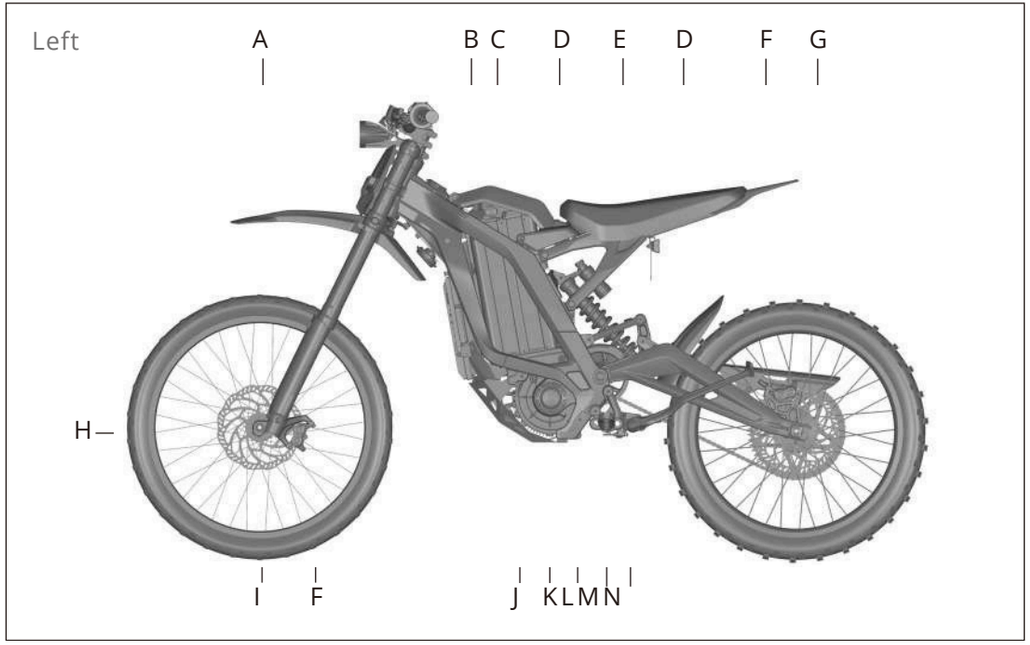
Check Items	1000km/3 month	2000km/6 month	4000km/9 month	6000km/12 month	10,000km/18 month	14,000km/24 month
Tire	● 🔧	● 🔧	● 🔧	● 🔧	● 🔧	● 🔧
Wheel Spokes	●	●	●	●	●	●
Break Pads	● 🔧 🔄	● 🔧 🔄	● 🔧 🔄	● 🔧 🔄	● 🔧 🔄	● 🔧 🔄
Brake Hydrolic Sytem	● 🔧	● 🔧	● 🔧	● 🔧	● 🔧	● 🔧
Primary Belt (Light Bee/ Ultra Bee)	● 🔧	● 🔧 🔄	● 🔧 🔄	● 🔧 🔄	● 🔧 🔄	● 🔧 🔄
Pulley	● 🔧	● 🔧	● 🔧 🔄	● 🔧	● 🔧 🔄	● 🔧 🔄
Chain	● 🔧	● 🔧	● 🔧 🔄	● 🔧	● 🔧 🔄	● 🔧
Swing arm Protection Block	● 🔧	● 🔧	● 🔧 🔄	● 🔧	● 🔧 🔄	● 🔧 🔄
Sprockets	● 🔧	● 🔧	● 🔧	● 🔧 🔄	● 🔧 🔄	● 🔧 🔄
Shocks	● 🔧	● 🔧	● 🔧	● 🔧	● 🔧	● 🔧
Bearings	●	●	● 🔧 🔄	●	● 🔧 🔄	● 🔧 🔄
Lights	●	●	●	●	●	●
Error Code (Turn on)	●	●	●	●	●	●
Breaking	●	●	●	●	●	●
Gear Box (Hyper Bee Only)	● 🔧	● 🔧	● 🔧	● 🔧	● 🔧	● 🔧
Battery Charger Level	● 🔧	● 🔧	● 🔧	● 🔧	● 🔧	● 🔧
Electrical Wiring/Plugs/ Screwing Terminal/Sensors	●	●	●	●	●	●
Screws Torque	●	●	●	●	●	●
Any Abnormal Condition	●	●	●	●	●	●

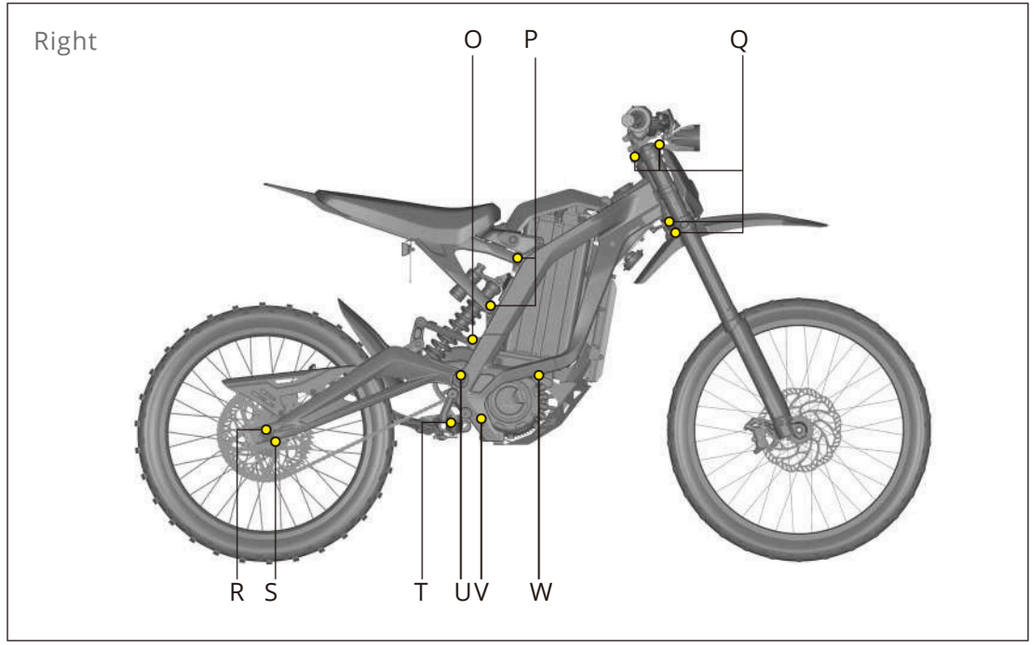
● Check 🔄 Replace 🔧 Maintain

Maintenance

Torque Management

Check regularly and tighten the following fasteners on the Light Bee electric motorcycle according to the specified torque.





	Item	Torque	Specification	Note
A	Front Disc	8-10N.m	Torx pan head screw M5*10	/
B	Handlebar Ahead Stem	5-6N.m	Hexagon socket head M6*20	/
C	Controller Installation Screw	8-10N.m	Hexagon socket head M6*16	/
D	Rear Shock Top & Bottom Installation Screw	20-25N.m	Hexagon socket head half-thread L50-M8	/
E	Rear Shock Linkage Arm AxleFront &	20-25N.m	Hexagon socket head half-thread L50-M8	/
F	Rear Brake Caliper Installation Screw	12N.m	Hexagon socket head M6*18	/
G	Front & Rear Brake Caliper Installation Screw	10-12N.m	Torx pan head screw M6*13	Thread locker required, KAFUTER K-0609 or similar
H	Rear Brake Disc Installation Screw	12N.m	Hexagon socket head	/
I	Front Axle Pinch Bolt	20-25N.m	T-shaft Bolt	/
J	Front Wheel Axle	20-25N.m	Hexagon socket head M8-*40	/
K	Motor Left Top Mounting Bolt	40-50N.m	Hexagon nut with flange M12*1.25	/
L	Primary Pully Locking Bolt	20-25N.m	Hexagon socket head M8*45	/
M	Motor Left Bottom Mounting Bolt	25-30N.m	Hexagon socket head M8*25	/
N	Left & Right Foot Pegs Installation Screw	10-12N.m	Hexagon socket head M6*16	/
O	Primary Drive Rear Pulley Installation Screw	20-25N.m	Hexagon socket head M8*35	/
P	Linkage Installation Screw	15-20N.m	Hexagon socket head M8*20	/
Q	Subframe	8-10N.m	Hexagon socket head	/
R	Steering Stem Upper & Lower Connection Plate	55-60N.m	T-shaft Bolt M12*1.25*198	/
S	Rear Wheel Axle	20-25N.m	Hexagon socket head M8*16	/
T	Rear Sprocket Installation Screw	40-45N.m	Hexagon nut with flange M10*1.25	/
U	Foot Pegs Left & Right Mounting Bolt	55-60N.m	M12*1.25	Thread locker required, KAFUTER K-0609 or similar
V	Swingarm Pivot Shaft	20-25N.m	Hexagon socket head M8*25	/
W	Motor Right Bottom Mounting Bolt	20-25N.m	Hexagon socket head M8*25	/
	Motor Right Top Mounting Bolt			

Battery Pack

CAUTION

1. Battery packs are lithium-ion systems that do not require maintenance but need to be charged from time to time. When not in use for a long time, please charge the battery pack level to about 60% ~ 80% for storage. You will need to check the remaining battery level every month. If the battery pack level drops below 20%, it should be recharged to prevent the battery pack from excessive discharge, which will affect performance and cause damage.
2. The battery pack should be kept away from low and high temperature environments. Do not store it under direct sunlight. When not used for a long time, please store the battery pack at an ambient temperature of 10°C～30°C(50°F~86°F).

CAUTION

3. Only service agents authorized by Surron are qualified to repair or disassemble the battery pack.
4. Disposing of the battery packs is subject to local laws. Used battery pack is encouraged to be handled by professional recycling agency for recycling, please do not discarded at will.

Brake System

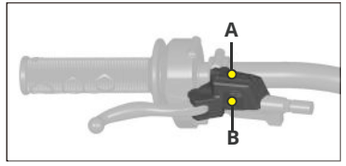
This section describes how to maintain the brake system of the Light Bee electric motorcycle, which covers the brake pads (front and rear brake pads are universal) and recommends brake fluid type and levels of front and rear brake systems.

Bleeding the Braking System

Users need to bleed air from the braking system, which can only be done at the designated authorized dealer.

Brake Fluid Level Check

Brake Fluid Reservoir



The brake fluid level can be observed through the inspection window B. If the fluid level is lower than one-third of the inspection window B, the brake fluid must be added. Before opening the brake fluid reservoir, please clean all dust and dirt on the reservoir cap A to avoid contaminating the brake fluid.

A low fluid level may indicate worn brake pads or leak in the hydraulic system. Check whether the brake pads are worn and whether the hydraulic system is leaking. Only use the new mineral brake fluid in a sealed container.

The steps of adding brake fluid are as follows:

1. Unscrew the two screws on the cap of the brake fluid reservoir, remove the brake fluid reservoir cap and the reservoir gasket.

2. Add new mineral brake fluid.

3. Check the cap seal to make sure that there is no wear or damage, and the position is correct.

4. Install the screws for the reservoir cap (torque: 2.5N.m).

Maintenance

_____ CAUTION _____

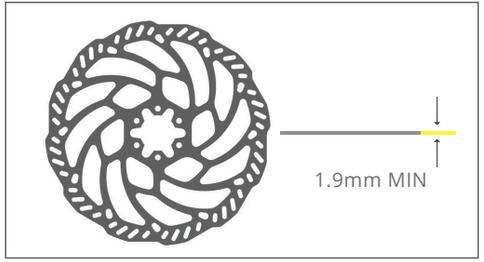
Do not splash the brake fluid on the painted surface, as it may damage the paint. Spilling brake fluid on plastic parts can cause corrosion. Before removing the reservoir cap, make sure to put an oil absorbent towel under the reservoir.

_____WARNING_____

Before checking the fluid level, the Light Bee electric motorcycle should be in a flat and upright state and the handlebars should be in the center to ensure that the reservoir is in a horizontal position.

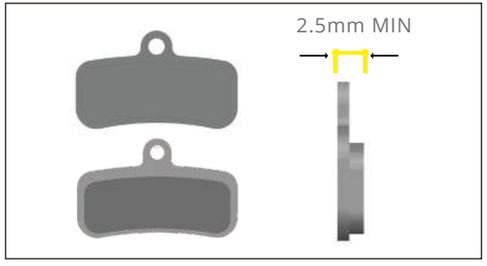
When adding new brake fluid, if the brake fluid overflows, it should be removed immediately to prevent contamination of other par ts.

Brake Disc Inspection



The thickness of brake disc should be inspected regularly. The minimum thickness is 1.9mm.

Brake Pad Inspection



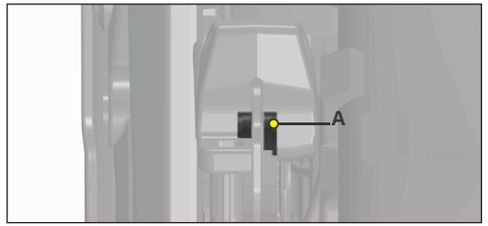
The brake pads must be checked at the specified intervals in the Periodic Maintenance Table, please refer to page 10.2. Check the remaining amount of brake pad visually from the side of the brake caliper.

If the thickness of the front or rear brake pads is less than 2.5 mm, please replace the brake pads. If the brake pad is damaged, please replace both brake pads immediately regardless of the degree of damage.

Brake Pads Replacement

It is recommended to check and run-in after replacing new front and rear brake pads A or brake discs to ensure that the brake discs and brake pads adapt and match. Proper run-in can improve the braking feel and reduce or eliminate braking noise.

Front & Rear Brake Pad



_____ CAUTION _____

The brake pads need to be replaced in pairs

_____WARNING_____

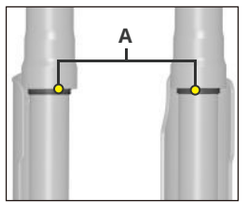
When using a new braking system or new brake pads, the initial braking force may be small. Please try to run in the brake pads and brake discs at low speed to ensure that the brake system can provide normal braking force.

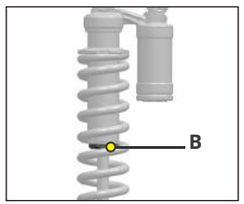
Suspension System

1. It is recommended to clean the surface of the shock absorber immediately after each ride, especially the mud and sand attached to the surface of the main tube. When cleaning with a high-pressure water gun, it is strictly prohibited to flush upwards facing the dust-proof seal A and B, as this will flush mud and sand into the seal and cause leakage.

2. Only use neutral detergent with a soft cotton to clean. Corrosive solvents may cause damage to the dust proof oll seals.

3. It is recommended to apply a layer of lubricating grease on the surface of the main tube after cleaning to make the surface of the main tube fully lubricated.





_____WARNING_____

The shock absorber contains high-pressure gas or liquid.

Do not try to modify or disassemble the shock absorber.

After riding the motorcycle, the shock absorber and the gas cylinder may be in a high temperature state. Do not touch directly to avoid burns.

Improper operation to the shock absorber may cause damage, explosion and serious personal injury.

For maintenance, please refer to the Periodic Maintenance Table on page 10.2. For adjustment, please refer to page 7.7 and 7.9.

Wheels and Tires

Check the wheels and tires for any of the following:
Deformed or cracked rim;
Impact marks on the rim;
Loose or deformed spokes;
Cuts, cracks, penetration or missing tread blocks in the tread or sidewall area;
Tire bulge;
Uneven tire thread wear;
Uneven height of tire mounting line.
If you find any of the conditions above, please replace the wheel or tire immediately.

_____WARNING_____

Incorrect tire pressure is a common cause of tire failure. Long-term incorrect tire pressure may lead to tire damage, thread separation or even loss control of the motorcycle, resulting in serious personal injury.

_____WARNING_____

Before each ride, check the tire pressure and adjust it to an appropriate pressure level. When the tire is cold, use an accurate pressure gauge to check the tire pressure. When the tire pressure is too low, the rolling resistance of the outer tire increases, and the inner tube may also shift.

Standard Tire Pressure Table

Type	Front	Rear
Off-road	225kPa	225 kPa

_____NOTE_____

For off-road tires, it is recommended to lower the tire pressure accordingly when riding in tracks and trails.

Maintenance

Chain

Please refer to the Periodic Maintenance Table on page 10.2 for the inspection and maintenance of the chain.

1. Keep the chain and sprockets clean.

2. Check the chain wear, tightness and lubrication.
(1) After removing the key from the key switch and turning off the main power switch, prop up the body of the motorcycle with a lift stand so that the rear wheel is suspended. Move the chain up and down and check whether the swing is within the recommended range: 15-30mm.

(2) When adjusting, first loosen the rear wheel axle nut, and then adjust the left and right adjust- ing bolts to make the chain tightness within the recommended range.

(3) Use appropriate amount of chain oil or chain wax to lubricate the chain.

_____ CAUTION _____

1. When the chain swings up and down beyond the recommended range, it will aggravate the wear of swingarm protec- tion rubber. Please adjust the value to 15mm in time.

2. After adjustment, the left and right chain adjuster marks should be symmetric to the mark on the swingarm.



Chain Adjustment Procedure

1. After removing the key from the key switch and turning off the main power switch, prop up the body of the motorcycle with a lift stand so that the rear wheel is suspended.

2. Loosen the rear wheel axle nut C.

3. Loosen the locknut A of the left and right adjusting bolts B.

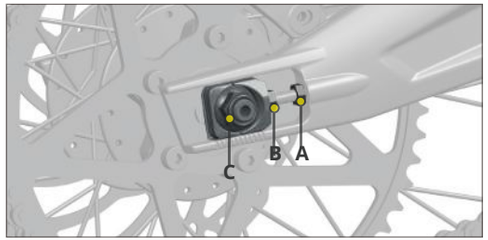
4. Adjust the left and right adjusting bolts B equally until the chain is adjusted within the specified range.

5. Tighten the rear axle nut C.

6. Tighten the left and right locknuts A to fix the position of the adjusting bolt B.

7. Test ride the motorcycle.

8. After the test ride, please recheck whether the chain is adjusted correctly, and re-adjust if necessary.

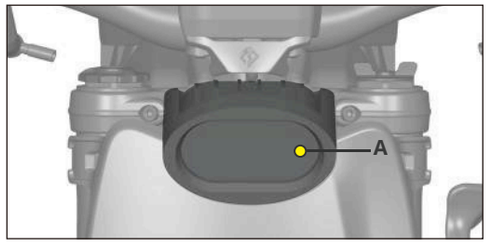


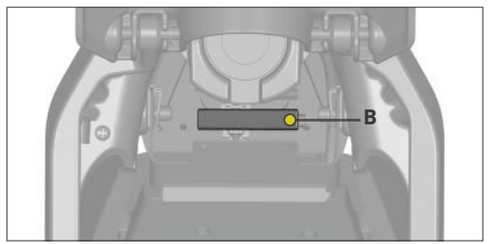
_____ CAUTION _____

When adjusting the tension of the chain, adjust the adjusting bolts on both sides equally.

Light Replacement

When the headlight A/tail light B/ is damaged, please contact the authorized dealer for a complete replacement.





Motorcycle Cleaning

1. Use a sponge or clean soft cloth, neutral detergent and water to gently clean the motorcycle.

2. Be extremely careful when cleaning the dashboard, it is easy to get scratched than other parts of the motorcycle.

3. After cleaning, rinse the motorcycle thoroughly with water to remove all detergent residues.

4. Dry the motorcycle with a soft dry towel.

5. After cleaning, please check the vehicle carefully for anomalies.

_____ CAUTION _____

Improper cleaning can damage motorcycle parts. Do not use high-pressure water gun to flush bearings, seals, electrical components and plugs. In order to extend the service life of the Light Bee electric motorcycle, it should be cleaned and maintained regularly and it is recommended to wipe it dry as soon as possible after cleaning.

Do not use any harsh chemical products on plastic parts. Avoid cloths or sponges that have been in contact with strong corrosive detergents, solvents, thinners, fuels (gasoline), rust removers or inhibitors, brake fluid, antifreeze, or electrolytes.

_____ CAUTION _____

We recommend that you carefully use the high-pressure water gun to clean the Light Bee electric motorcycle to avoid damaging the motorcycle parts.

_____WARNING_____

After cleaning and before starting to ride, make sure the brakes system function properly.

Wheel and Tire Cleaning

Avoid using strong acid wheel cleaners. If you use this type of product to clean stubborn dirt, please clean it in a short time and dry it immediately.

_____ CAUTION _____

Tires only need to be cleaned. Any tire maintenance products may reduce the friction between the tire and the ground, and even lead to premature aging of the tire.

Long-term Storage

For motorcycle that are not used for a long time (more than 30 days), it is recommended to maintain the battery level to about 60% to 80%, and turn off the main power switch of Light Bee electric motorcycle.

The battery pack also discharges slowly when stored. Check the level of the battery pack at least once every month. If the battery level drops below 20%, then it should be recharged to 60% to 80%.

When you are ready to use the Light Bee electric motorcycle again, please fully charge the battery pack to ensure it is restored to its best condition. In order to extend the service life of the power system, the Light Bee electric motorcycle should be stored in a cool and ventilated place. Storing the Light Bee electric motorcycle in a hot or humid place will shorten the life span of the battery pack and electrical system. For more information about batteries and electrical systems, please refer to page 8.1.

_____ CAUTION _____

Do not store the Light Bee electric motorcycle with battery level lower than 20%. Discharging the battery pack below 20% for a long period of time may reduce the battery life or even damage the battery pack. Battery pack damage due to over-discharge or long-term very low battery level is not covered by the warranty.

_____WARNING_____

Only authorized professional technicians are qualified to provide maintenance services for the battery pack. Please be aware that unauthorized handling of the internal components of the battery pack is very dangerous. Do not disassemble the battery pack!

Light Bee Electric Motorcycle Official Parts

Light Bee electric motorcycles reguire the use of parts and accessories specified by Surron. You can obtain original spare parts for maintenance of your Light Bee electric motorcycle trough your dealer.

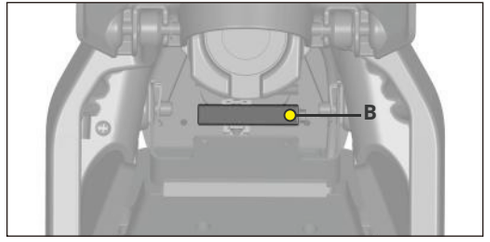
Fuse

The motorcycle electrical system has an overcurrent protection device. The fuse is a one-time protection device, which will blow to protect the circuit when it is overloaded. When replacing the fuse, use the same specification model.

_____CAUTION _____

If the fuse is repeatedly blown, please contact the dealer to check the electrical system.

Low Voltage Fuse Box



The fuse box is located under the USB cover.
The fuse box has a protective cap, which must be opened first to access the fuse. To open the cap, press down firmly on the latch and open the cap.

Replacing the fuse:

1. Pinch the fuse box cap and open the cap to the right of the fuse box.

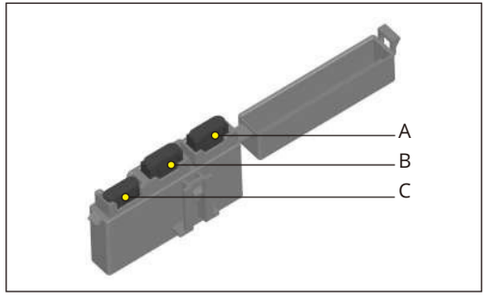
2. Replace the defective fuse with the same specification model.

_____CAUTION _____

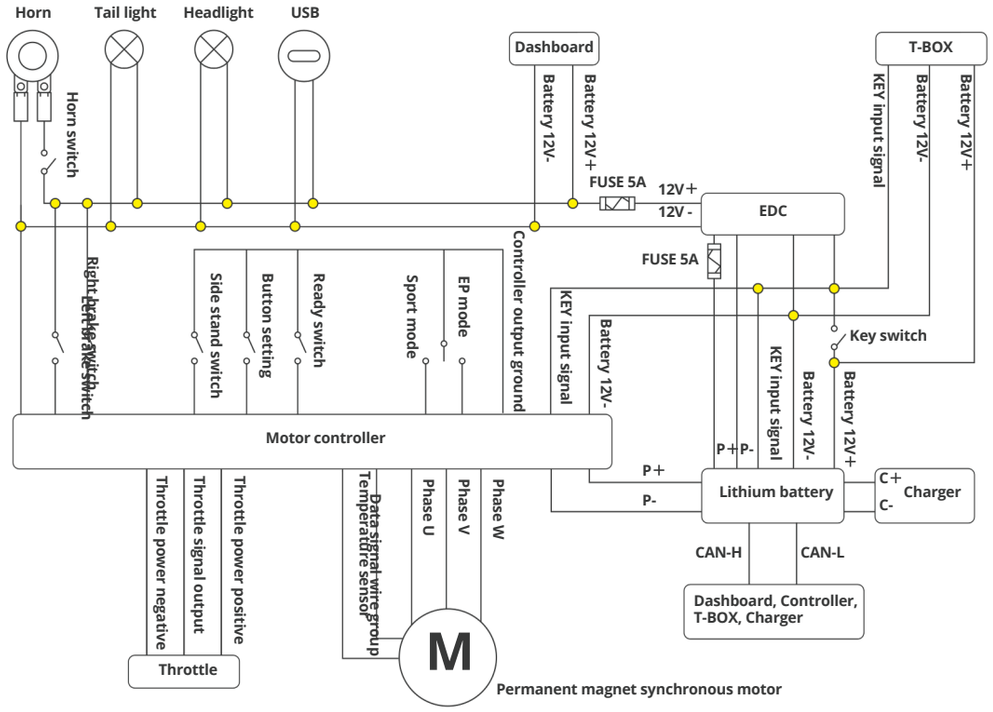
The fuse box contains a spare fuse.

The 12 volt fuse value and corresponding circuit function are listed below:

Fuse	Rating	Function
A	5A	Converter
B	5A	Bike Low-Voltage
C	5A	Backup



Light Bee Electrical Schematic Diagram



Light Bee Electric Motorcycle Troubleshooting

All Light Bee electric motorcycles are carefully inspected before delivery. Even the Light Bee electric motorcycle is carefully inspected, some technical problems might occur occasionally. The following information provides guidelines to help you identify problems and do the basic repairing or maintenance. If you are unable to solve the problem by yourself, please contact the local authorized Surron dealer at your convenience. If there is no dealer in your area, please reach out to Surron aftEr_sales service team.

Safety Interlock

When the battery pack is connected to the Light Bee electric motorcycle, if the battery management system detected a serious internal failure, one or both of the following two measures will be taken to prevent battery pack damage:

1. Riding prohibited. If the battery level is 0, or if the battery management system detects some serious internal faults, the motorcycle will be prohibited from use until the problem is solved.

2. Charging prohibited. If the battery management system detects some serious internal faults, it will prevent charging, until the problem is solved.

Precautions for Light Bee Electric Motorcycle

Light Bee electric motorcycle has high voltage components, please take proper precautions when using it. The high voltage components are dangerous and can result in electric shocks, burns and even serious personal injury.

For safety purposes, always follow the instructions on the label attached to the motorcycle parts and do not touch or attempt to remove or replace any high voltage parts, cables (marked by the orange outer tube) or connectors. In the event of an accident, do not touch any high voltage terminals or components connected to the cables. In case of fire on the electric motorcycle, make sure your personal safety first and then use Class D fire extinguisher to put out the fire. When the flame is out, use large quantity of water or a water-based fire extinguisher to cool it down.

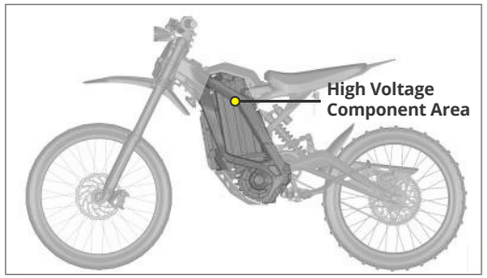
Troubleshooting

_____WARNING_____

Light Bee electric motorcycle uses 72V high voltage system. The power system may be too hot to touch after use. Beware of high voltage and high temperatures and obey all the safety rules and regulations on the motorcycle.

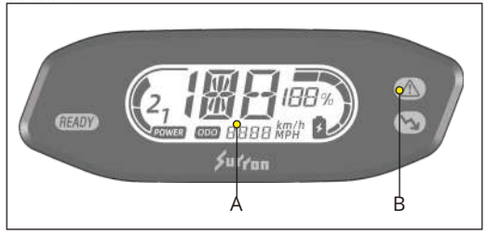
_____SERIOUS WARNING_____

The high voltage circuit system of the Light Bee electric motorcycle is not allowed to be maintained by user. Removing or replacing high-voltage components, cables, or connectors may result in severe electric shocks, burns, or even life-threatening injuries.



System Warning Message

When a fault is detected, the orange fault indicator B on the top of the dashboard will light up, and the corresponding warning code will be displayed in the A area on the KDashboard LCD screen.



_____NOTE_____

During troubleshooting, any losses resulting from the owner's continued use or improper operation will be the sole responsibility of the owner. SURRON's liability is limited to defects arising from the product's design or manufacturing.

Please refer to the table indicated on the next page for possible causes and solutions.

Error Code & Fault List

Error Code	Fault Name	Troubleshooting Guide
Er_00	Display Communication Fault	Check display wiring and connections.
Er_03	Discharge Overcurrent (Level 2)	Power restricted. Check for drive system stall.
Er_04	Energy recovery Overcurrent (Level 2)	Reduce the energy recovery level.
Er_08	Discharge MOS Overheating (Level 2)	Stop and contact the manufacturer or dealer.
Er_10	Charging MOS Overheating (Level 2)	Stop charging and contact the manufacturer or dealer.
Er_11	Soft-start Overheating (Level 1)	Restart after turning off the key switch.
Er_13	Cell Temp Imbalance (Level 2)	Stop and contact the manufacturer or dealer.
Er_15	Battery Insulation Fault (Level 2)	Stop and contact the manufacturer or dealer.
Er_17	Cell Voltage Imbalance (Level 2)	Contact the manufacturer or dealer.
Er_19	Low Cell Voltage (Level 3)	Charge the battery.
Er_22	Discharge Overcurrent (Level 3)	Stop and contact the manufacturer or dealer.
Er_24	High Cell Temp during Discharge (Level 3)	Stop and wait for the battery to cool down.
Er_25	Low Cell Temp during Discharge (Level 3)	Stop and wait for the battery to warm up.
Er_30	BMS Protection Chip 1 Error	Contact the manufacturer or dealer.
Er_31	BMS Protection Chip 2 Error	Contact the manufacturer or dealer.
Er_37	Battery Hall Sensor Fault	Contact the manufacturer or dealer.
Er_38	Battery Voltage Sensor Fault	Contact the manufacturer or dealer.

Error Code	Fault Name	Troubleshooting Guide
Er_40	All Battery Temp Sensors Fault	Contact the manufacturer or dealer.
Er_41	Soft-start Temp Sensor Damaged	Contact the manufacturer or dealer.
Er_43	Discharge MOS Fault	Contact the manufacturer or dealer.
Er_44	Charging MOS Fault	Contact the manufacturer or dealer.
Er_100	Controller Power Tube Fault	Contact the manufacturer or dealer.
Er_101	Controller Hardware Overcurrent	Bike power restricted.
Er_104	Motor Position Sensor Fault	Contact the manufacturer or dealer.
Er_105	Motor Locked-rotor Protection	Check if the motor is stalled.
Er_106	Controller Sampling Fault	Contact the manufacturer or dealer.
Er_107	Controller Overheating Protection (Level 2)	Stop and wait for the controller to cool down.
Er_108	Motor Overheating Protection (Level 2)	Stop and wait for the motor to cool down.
Er_109	Instantaneous Bus Low Voltage Protection	Check controller power input lines.
Er_110	Bus Undervoltage Protection (Level 3)	Charge the battery pack.
Er_111	Bus Overvoltage Protection	Disable energy recovery.
Er_112	Battery SOC Temp Shutdown Protection (Level 3)	Disable energy recovery.
Er_113	Cell High/Low Temp protection (Level 3)	Stop and wait for battery temp to normalize.
Er_114	Override Fault	Check if throttle is shorted or not returning.

Error Code & Fault List

Error Code	Fault Name	Troubleshooting Guide
Er_115	Throttle Fault / Throttle Signal Abnormal	Check for throttle short/open circuit or damage.
AL_116	Brake Triggered	Check if brake switch is shorted.
AL_117	Side Stand / Emergency Kill Switch Protection	Check if side stand is down or switch is engaged.
AL_118	Tipping Protection	Cycle the kill switch or check tilt sensor.
Er_119	Bus Low Voltage (Power Restricted)	Check wiring and charge the battery.
AL_120	Battery SOC Temp Power Restriction (Level 2)	Power restricted Note; charge the battery pack
AL_121	Battery Cell Level 2 Temp (Power Restricted)	Power restricted Note; charge the battery pack
AL_122	Bus Level 1 Low Voltage (Power Restricted)	Power restricted Note; charge the battery pack
AL_123	Battery SOC Level 1 Temp (Power Restricted)	Power restricted Note; charge the battery pack
AL_124	Battery Cell Level 1 Temp (Power Restricted)	Power restricted Note; charge the battery pack
AL_125	Controller Level 1 Overheating (Power Restricted)	Power restricted Note; charge the battery pack
AL_126	Motor Level 1 Overheating (Power Restricted)	Power restricted Note; wait for motor to cool.
Er_127	Motor Temp Sensor Fault	Contact the manufacturer or dealer.
AL_128	Energy recovery Failure	Check for abnormal battery voltage and temp.
Er_129	CAN Communication Fault	Check the bike's wiring harness.
Er_131	Instantaneous Bus Overvoltage	Disable energy recovery.
Er_133	Key Signal Power Loss Protection	Check key switch and controller wiring.
Er_134	Controller Software Exception Protection	Power cycle to reset.

Error Code	Fault Name	Troubleshooting Guide
Er_135	Cell Voltage Imbalance Shutdown Protection	Contact the manufacturer or dealer
Er_136	High Discharge MOS Temp Controller	Wait for battery temp to normalize
	Shutdown Protection	
Er_137	Low Cell Voltage Shutdown Protection	Charge battery pack or contact manufacturer or dealer
"NO"	Controller Transport Mode	Bind with the Surron Technology App to use
Er_140	BMS Temp Imbalance Fault	Contact the manufacturer or dealer
Er_144	BMS Discharge Overcurrent (Power Restricted)	Bike Level 1 power restriction
Er_145	Excessive Cell Voltage Difference	Bike Level 2 power restriction
Er_146	Discharge MOS Overheating (Power Restricted)	Wait for battery temp to normalize
AL_147	Low Cell Voltage (Power Restricted)	Charge battery pack or contact manufacturer or dealer
AL_148	Low Battery SOC (Power Restricted)	Charge battery pack or contact manufacturer or dealer
Er_153	Gyroscope Fault	Restart key switch or contact manufacturer or dealer
AL_154	Battery does not support SWC level	Check battery level/temp or restart key switch
AL_155	Bike state prevents SWC level switch	Check battery level/temp or restart key switch
AL_156	Reverse Torque Disabled (Backwards)	Recovery occurs automatically when moving forward.
AL_157	Battery does not support SWC	Check wiring or contact manufacturer or dealer
AL_158	Power Cut Protection	Check if the button switch has reset / repress ready button

Common Troubleshooting

Fault Description	Possible Cause	Troubleshooting solution
Vehicle does not power on	Battery plug not connected properly	Check battery plug
	Battery SOC too low	Charge the batter pack
	Battery enters temperature protection	Wait the temperature back to working condition
	Main cable fuse blown	Check all cables and replace fuse
	Key switch not properly engaged	Check key switch cable connection or replace new key switch
	DC Converter failure	Replace DC converter
	Battery failure	Repair or replace the battery at Surron after-sales points
Vehicle powered on but not moving	Side stand switch protection	Retract the side stand
	Brake override switch protection	Check brake signal switch
	Tilt switch is triggered and not reset	Turn off the key switch and turn on again, after lift up the motorcycle
	Throttle not in idle position when powered on	Check and adjust throttle travel
	Battery low level protection	Charge the battery pack
	Motor temperature too high	Stop riding and wait for the temperature cool down
	Controller temperature too high	
	Side stand switch failure	Disconnect or replace side stand switch
	Tilt switch failure	Disconnect or replace tilt switch
	Throttle contact is poor or damaged	Replace throttle

Fault Description	Possible Cause	Troubleshooting solution
Vehicle powered on but not moving	Controller plugs are in poor contact	Reinsert the plugs of the controller
	Poor contact of the motor position signal plug	Check motor encoder connection
	Controller fault or motor position signal fault	Repair/replace the controller or motor at Surron after-sales points
Vehicle powered on but no battery display	Battery indicator not connected properly	Repair or replace the battery at Surron after-sales points
	Battery indicator broken	Repair or replace the battery at Surron after-sales points
Charger not working	Battery enters temperature protection	Wait the temperature back to working condition
	The charger plug is in poor contact	Reinsert the charging plug Replace charger
	Charger failure	Repair or replace the battery at Surron after-sales points
	Battery failure	Charge thebattery pack
Invalid riding mode/power limited	Battery SOC too low	
	Battery temperature protection	Wait the temperature back to working condition
	Motor or controller temperature too high	
	Riding mode switch broken	Replace riding mode switch
USB port no power	USB plug is in poor contact	Check USB plug connection
	USB converter failure	Replace USB converter

We may update and supplement the above content, please get the latest version from your dealer or official website.

Warranty Information

Surron Electric Motorcycle

Conditions of Warranty

Surron hereby warrants that a new Surron electric motorcycle purchased from an authorised Surron dealer will be free from defects in materials and workmanship for the period of time stated herein, subject to certain limitations stated herein. This warranty applies only if the electric motorcycle has been properly set up and serviced for pre-delivery by an authorised Surron dealer. The warranty applies only if the motorcycle has been operated and maintained in accordance with the owner's manual or other Surron literature that was delivered with the electric motorcycle.

This warranty is void if the DEALER PRE-DELIVERY INSPECTION has not been completed in full and entered into the Surron distributor website within seven days of purchase by the original selling dealer.

Period of Warranty for Surron Motorcycles

For motorcycles used in recreation and farming, but not used in competition:

12.1

Duration: 12 months from the date of purchase or 10,000 kilometres, whichever comes first.

12.1

Limitations: This warranty is non-transferable and applies to the original purchaser only.

Any Surron motorcycle utilised commercially in connection with generating income and/or commercially licensed or tagged (e.g. rental, demonstration, wholesale, etc.) during the warranty period will be covered for 30 days from the date of purchase.
Demonstration motorcycles are Surron electric motorcycles that have been ridden or used by Surron, or a Surron authorised dealership's customers, members of staff, or press media, but have never been registered within the state, province, or country.

The warranty period becomes effective on the date of purchase by the original purchaser and remains in effect only as stated above.

-FETCH LIGHT-飞起来-

-FETCH LIGHT-飞起来-

Parts Covered by the Warranty

Surron warrants to the customer that the motorcycle is defect-free both in terms of material and workmanship from the factory. Due to battery chemistry, there is a normal, expected reduction in the range and capacity that battery packs yield over time and usage.

Depending on use and storage conditions, battery packs will degrade over the duration of this warranty period. Pursuant to this warranty term, Surron will only repair or replace a battery pack that exhibits a nominal storage capacity reduction of greater than 20% of the published nominal capacity, as measured by Surron or an authorised Surron dealer/workshop.

Any part found to be defective during the motorcycle's stated warranty period under proper use and normal operating conditions, subject to the limitations of this warranty policy, will be repaired or replaced free of charge. "Normal operating conditions" require routine care and maintenance of the Surron electric motorcycle and battery pack as described in the owner's manual and maintenance handbook.

Warranty Labour Coverage

12.2

Labour to replace parts that are covered by the Surron warranty and found to be defective in material or workmanship is free of charge for the original purchaser. Warranty repairs must be performed only with the authorisation of Surron.

12.2

The cost of parts and labour involved in routine care and maintenance, as well as the replacement of parts due to normal wear and tear, use, or deterioration, is not covered. This includes, but is not limited to, items such as tyres, brake pads and discs, drive belts, drive chains, fork seals, bearings, grips, footpegs, and seats.

General Exclusions from Warranty

This warranty does not cover any failures resulting from or caused by:

1. Lack of proper maintenance or maintenance contrary to the requirements described in the owner's manual and the New Zealand maintenance handbook.
2. Parts, components, or battery packs damaged by use or operation under abnormal circumstances, or damage due to accident, collision, abuse, neglect, or extreme use, such as competitive racing.
3. Modifications, alterations, or installation of non-genuine Surron parts or non-Surron-authorised power system components, including the motor, gearbox, sensor, electrical wiring, converter, charger, display, battery, and MCU.

4. Normal wear components, including, but not limited to, the following: tyres, rims, brake components, spokes, drive chain, drive belt, handlebar grips, all bearings, all seals, all transmission gears, suspension valving/seals, all sprockets, footpegs, and seat.
5. Damage, malfunctions, or performance problems caused by the continued operation of the motorcycle after an error code or other warning indicator signals a mechanical or operational problem.
6. Cosmetic concerns that arise as a result of environmental conditions, owner abuse, misuse (such as, but not limited to, using unsuitable cleaning liquids), lack of routine care and maintenance, or improper use.
7. Damage to or malfunction of components and electrical systems due to the owner installing non-genuine Surron parts or replacement parts not approved by Surron.
8. Damage to paint and coatings, or corrosion of metal parts due to external influences such as stone chips or salt.
9. Fading of painted or metal-coated surfaces.
10. Damage, malfunctions, or performance problems caused by fire, collision, accident, or improper storage.
11. Tyres installed on the Surron electric motorcycle (the original equipment tyres are warranted separately by the tyre manufacturer).

In addition, the Surron warranty applies solely to New Zealand end-user customers who purchased from an authorised dealer. It is not applicable to electric motorcycles or accessories not imported or distributed by Surron, or not authorised by Surron.

Modifications

12.3

The motorcycle may only be equipped with parts that have been purchased from and installed by Surron New Zealand or a Surron authorised dealer. This includes non-genuine parts, but excludes any modifications to the power system, such as the motor, gearbox, sensor, electrical wiring, converter, charger, display, battery, and MCU. The supplier of non-genuine parts provides the installation guide and the corresponding warranty. The Surron warranty does not cover any damage that results from the installation of non-genuine parts.

12.3

End-user customers are responsible for keeping records of all modifications.

The installer is responsible for the warranty and associated damage repair resulting from non-genuine parts, which are not covered by the New Zealand nationwide warranty.

Owner Responsibilities

1. The owner is responsible for reading and understanding the owner's manual, the New Zealand periodic maintenance handbook, these warranty terms, and all product warnings before operating their Surron electric motorcycle. The owner is also responsible for maintaining the Surron electric motorcycle in accordance with the schedule printed in the New Zealand periodic maintenance handbook.
2. The owner is responsible for all maintenance costs, including scheduled service intervals. Service work performed by the owner will void the warranty.
3. The owner must perform all recommended and necessary routine care and maintenance, and engage in the proper use of the Surron electric motorcycle as detailed in the owner's manual and the New Zealand periodic maintenance handbook. Failures caused directly by a lack of maintenance or improper maintenance will void the warranty.
4. If warranty repairs are required, they must be performed by an authorised Surron dealership with the correct qualifications. The owner may be asked to provide documentation of proper maintenance, such as maintenance records displaying the date of service and work performed by an authorised dealer, or copies of repair orders and receipts.
5. The original registered owner, as documented on the Surron motorcycle warranty registration form, is responsible for passing on the owner's manual, the New Zealand periodic maintenance handbook, all safety warnings, instructions, and the Limited Warranty if the unit is sold, loaned, or otherwise transferred to another person.
6. If the vehicle owner needs to replace a faulty part, they must contact an authorised Surron dealer or deliver the faulty part to an authorised Surron dealer within ten (10) days of the malfunction occurring. The authorised dealer will then carry out warranty or after-sales maintenance for the faulty part.
7. The owner is responsible for ensuring all recommended and necessary routine care and maintenance are carried out, and for using the Surron motorcycle and battery pack as detailed in the owner's manual and the New Zealand periodic maintenance handbook. This includes obtaining any firmware updates available at each service interval or on a timely basis following notification that a new update is available, which must be completed by an authorised Surron dealer.
8. The owner must learn and obey all national, regional, and local laws governing the operation of motorcycles generally and electric motorcycles specifically. When operating a Surron electric motorcycle, the rider must wear proper safety equipment and clothing at all times, including, but not limited to, a helmet, eye protection, and appropriate boots.
9. Surron does not authorise any company or individual to create liability or warranty obligations on its behalf. Surron, at its sole discretion, will make the final decision regarding any component submitted for warranty evaluation. All parts and components replaced under this warranty and returned to Surron shall become the property of Surron.

12.4

12.4

Limitations on Warranty

The limited warranty described in the Warranty information pages is the only warranty which applies to your motorcycle at New Zealand. Surron makes no other warranty or guarantee of any kind expressed or implied. No implied warranties of merchantability or fitness for a particular purpose or any purpose, is applicable to any product sold by Surron buyer and all other parties who contract with Surron, hereby specifically and knowledgeably waive any and all warranties, expressed or implied. This limited warranty does not cover any incidental or consequential damages, including loss of value of the motorcycle, Lost profits or earnings, out-of-pocket expenses for substitute transportation etc., expenses associated with returning the covered product back to its owner, mechanic's travel time or communication charges, loss or damage to personal property, loss or time, or inconvenience. Surron has the right to continuously upgrade the design and electric system or improve not limited to the motorcycle, power system or battery pack. Some countries do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you. also excluded from this warranty are any incidental or consequential damages including loss of use. This warranty gives you specific legal rights, and you may also have other rights, which vary, from situation by situation. The contents stated herein are subject to change without notice.

12.5

12.5

Disclaimer

Surron is not responsible for any losses arising from an owner's intentional misuse, gross negligence, unauthorised modifications (such as abnormal system logs, mismatched hardware identification codes, or abnormal performance parameters), use of uncertified accessories, or operations exceeding design specifications. In cases of damage caused by manufacturing or design defects, Surron will offer appropriate remedies, including repair, replacement, or refund, depending on the situation. For claims related to personal injury, property damage, or emotional distress, Surron shall be exempt from liability to the maximum extent allowed by law.

For products distributed via specialised sales channels, such as equipment designed for competitive use, Surron's liability is confined exclusively to manufacturing defects. The owner acknowledges and accepts that participation in competitions, use in racing environments, professional modifications, or any other conditions surpassing typical consumer use, as well as their resulting outcomes, are entirely the owner's responsibility.

Unauthorised reverse engineering, decompilation, or alteration of the electrical control system without prior written approval from Surron is considered a contract violation. In cases of minor infractions, such as non-commercial individual modifications, Surron retains the authority to demand an immediate halt to the activity and issue a formal warning. For major infractions, such as commercial-scale reproduction or sales, the company may seek legal injunctions and claim damages. These damages will be calculated as either the official retail price of the affected product model per instance of violation or the actual financial loss suffered by Surron, whichever amount is greater. The official retail price at the time of the infraction will serve as the basis for this calculation. Furthermore, Surron reserves the right to confirm modification activities on the owner's device through remote diagnostics or direct inspections, requiring full collaboration from the owner.

By using this product, the owner consents to the installation of a GPS tracking system for verifying its location and grants Surron permission to periodically check its usage region. In cases of unauthorised use, the owner will be required to pay a penalty amounting to three times the product's retail price. Additionally, Surron reserves the right to remotely disable the product's functionality immediately. The company accepts no responsibility for any usage in jurisdictions where additional legal obligations or liabilities may arise.

How to Obtain Warranty Service

To receive any type of warranty service, take your Surron motorcycle and warranty registration proof to any authorised Surron dealer during normal service hours. Local dealers can be found at: sur-ron.co.nz/pages/local-dealers-nz.

12.6

12.6

If you believe that your vehicle has a defect that could cause a collision, injury, or death, you should immediately inform Surron or your authorised Surron dealer. If you fail to meet or do not comply with the conditions and scope of the warranty terms, we can still provide repair services upon request at a charge.

If you are unable to obtain satisfactory warranty service from a Surron dealer, or if you are dissatisfied with a warranty decision, please send an email to: **sales@sur-ron.co.nz.**

We will require the following information to assist you:

- Your details: Name, email address, and phone number
- Nature of the problem
- Invoice details: Full itemised invoice including product model and date of purchase
- Dealer and vehicle details: Selling dealer name and Vehicle Identification Number (VIN)

Annex

1000km **3 Month**

Odometer reading		Performed by		Date	

MAINTENANCE RECORD

REMARKS

2000km **6 Month**

Odometer reading		Performed by		Date	

MAINTENANCE RECORD

REMARKS

4000km **9 Month**

Odometer reading		Performed by		Date	

MAINTENANCE RECORD

REMARKS

6000km **12 Month**

Odometer reading		Performed by		Date	

MAINTENANCE RECORD

REMARKS

10000km **18 Month**

Odometer reading		Performed by		Date	

MAINTENANCE RECORD

REMARKS

14000km **24 Month**

Odometer reading		Performed by		Date	

MAINTENANCE RECORD

REMARKS

Light Bee Electric Motorcycle After-sales Record Sheet					
	Odometer Reading	Warranty Item	Performed by	Date	Remark
1					
2					
3					
4					
5					

Annex

Light Bee Electric Motorcycle After-sales Record Sheet					
	Odometer Reading	Warranty Item	Performed by	Date	Remark
6					
7					
8					
9					
10					

PARAMETERS LIST	
Vehicle model	QL4000DY-C
Dimension	1850x780x1080mm
Ground clearance	270mm
Seat height	830mm
Dry/Curb weight	59kg
Carrying capacity	100kg
Tire	Front Off-road-70/100-19 Rear Off-road-3.00-18 Regenerative
Assistance functions	Braking (on SPORT mode)+SWC+Auto hold system 1255mm
Wheel base	200mm
Front fork travel	85/210mm
Rear shock/wheel travel	PMSM+MTPA/MTPV FOC Controller
Power system	4000w
Rated power	10kW
Maximum power	295N.m
Maximum torque	80km/h
Top speed	75km（@40km/h）
Range	Lithium battery 72V/35Ah
Battery Type	SPORTS + ECO mode
Riding mode	4h
Charge time	Aluminum forged frame
Frame design	

Changes or modifications not expressly approved by the party responsible for compli- ance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interfer- ence in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accor- dance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equip- ment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1、Reorient or relocate the receiving antenna. 2、Increase the separation between the equip- ment and receiver.

3、Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

4、Consult the dealer or an experienced radio/TV technician for help.