

**SOCO**  
INNOVATION

**CU<sup>X</sup>**

## E-Scooter User Manual

Do not operate the electric vehicle until you have read the user manual carefully and understand the performance of the electric vehicle, and please keep the user manual in a safe place.

## USER INSTRUCTION

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**To ensure your safety, please read this manual carefully before riding and make sure you are always following the requirements below:**

- 1 Fully understand the information in this manual, including but not limited to the relevant instructions, precautions and warnings.
- 2 Fully understand the operation and contingency measures of CUX Smart Electric Scooter.
- 3 Be fully aware of warning labels of CUX Smart Electric Scooter.
- 4 Do not disassemble the vehicle or any parts without permission. Please contact customer service department and dealers if you need any replacement or make further purchase.
- 5 Please keep the user manual in a safe place.



All parameters of this vehicle have been permanently set according to the national standard before leaving factory. The company is not responsible, if the original electrical or circuit has changed and caused excess, such as increase the speed.

## SAFETY INSTRUCTION

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**To ensure the safety of you and others, please make sure to observe the following:**

- 1 Don't lend your vehicle to someone who can't operate it to prevent any hurts.
- 2 Please obey local laws and regulations while operating the vehicle on the road.
- 3 Do not ride on the road after taking medications, drinking alcohol or when you feeling unwell which may affect your riding ability.
- 4 Observe traffic regulations and traffic signs, according to the provisions of laws and regulations to carry man and cargo. Confirm the surrounding road conditions and vehicle condition any time to actively avoid danger.

# SAFETY INSTRUCTION

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- 5 In rainy and snowy weather, braking distance will be extended, please slow down the vehicle. Avoid travelling in bad weather such as storms and typhoons.
- 6 Wear safety gears, especially helmet. Wear appropriate protective clothing like boots and gloves if necessary.
- 7 To ensure the safety of you and others, please avoid using the high beam under good lighting conditions. The continuous use of high beam will cause visual obstacles to opposite vehicles and pedestrians and affect the safe driving. In the case of dim light, turn on the lights in time.
- 8 Please turn off the power immediately and remove the key after riding. Do not allow children play the vehicle to avoid unnecessary losses.
- 9 Perform a basic check each time before riding.
- 10 Please pay attention to the safe operation of the electric vehicle:
  - a) Do not park the vehicle indoors or in the hallway.
  - b) Do not charge the battery/vehicle indoors or in the hallway. The battery/vehicle should be kept away from combustible materials when charging, and the charging time should not be too long.
  - c) Please pay attention to the correct usage of the battery and warning labels. Wasted batteries should not be dismantled without authorization, and should be managed and recycled by the relevant professional departments.
  - d) Please pay attention to the safe usage and the warning labels of the charger. Make sure to use the original charger for the same model.
  - e) Please be aware of the precautions regarding water washing.
- 11 Check before riding, if there is an abnormality, please promptly carry out maintenance or find professional repair service:
  - a) Check the status of power circuit, lighting circuit, etc.
  - b) Check whether the front and rear brakes work properly.
  - c) Check whether the handlebars, front and rear wheels are stable.
  - d) Check tire pressure.
  - e) Check whether the reflectors are stained.

## - 01 -

### ACCESSORIES CHECKLIST



X 2

Intelligent Remote Control



X 1

Rearview Mirrors



X 1

Quick Start



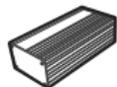
X 2

Key



X 1

Wrench for Rearview Mirror

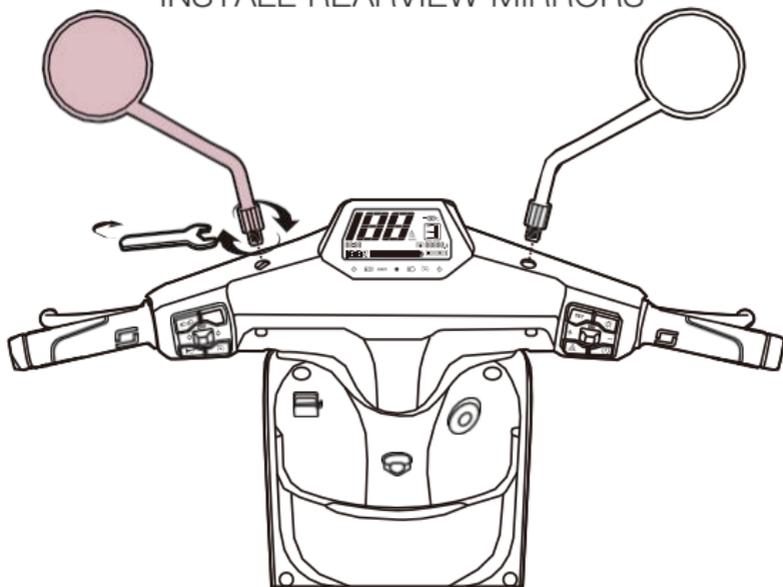


X 1

Charger

# - 02 -

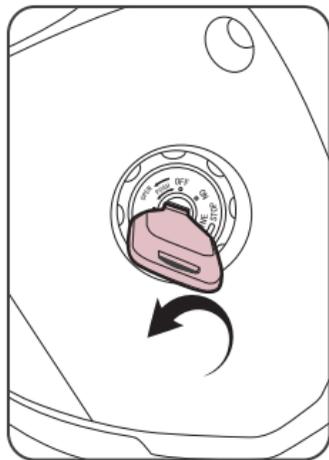
## INSTALL REARVIEW MIRRORS



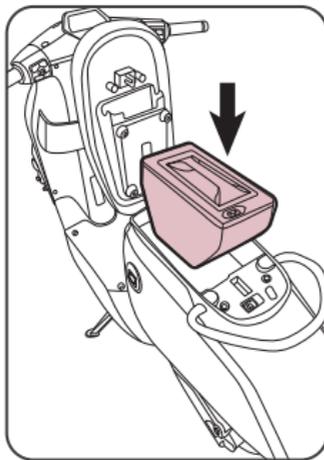
Take out the reflector, place the reflector in the screw hole position as shown in the figure, turn the left reflector clockwise and turn the right reflector counterclockwise until tightened to adjust the reflector to the best angle, then tighten the nut with wrench.

# - 03 -

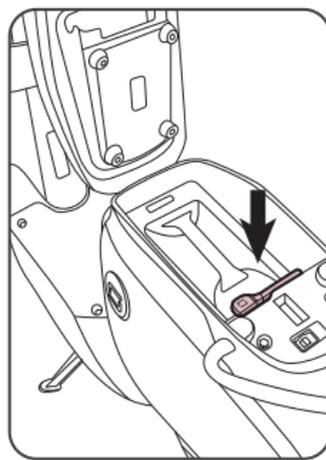
## INSTALL BATTERY PACK



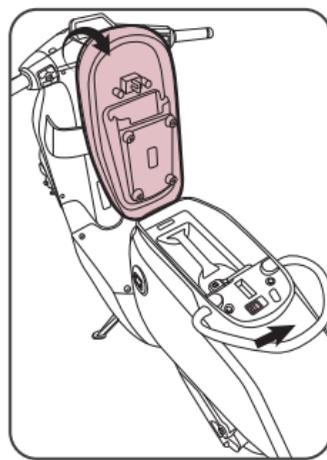
- 1** Open the battery compartment/seat cushion



- 2** Put in the battery pack



- 3** Plug in the main connector



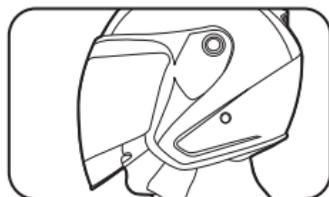
- 4** Turn on the air circuit-breaker, put down the seat

## QUICK START

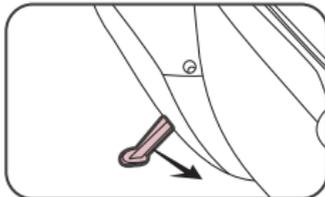
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# - 04 -

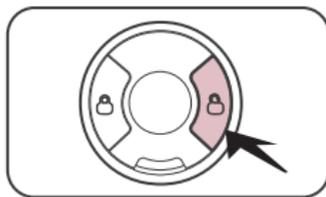
## STARTING VEHICLE



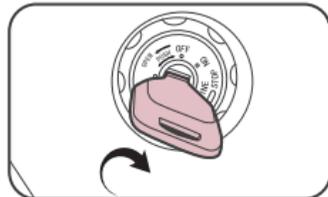
1 Put on the helmet.



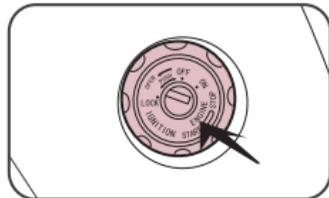
2 Get on your CUX, retract the side stand and center stand.



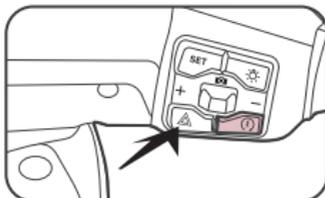
3 Press "Unlock" button on the intelligent remote control.



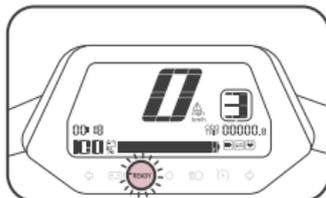
4 Insert the mechanical key and rotate it to "On".



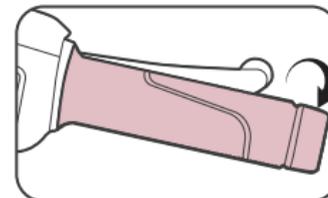
5 Press "Power" button on the control. Power on.



6 Press the "Parking" button



7 Apply the brake, the READY light on, the vehicle exits parking state.



8 Gently twist the throttle to ride on the road.

**Note:** When the vehicle remains stationary for a long time in power-on state, it will switch to the parking state. Gently hold the brake, and the power will be on again.

# - 05 -

## DOWNLOAD APP

**CUX intelligent electric motorcycle supports wireless communication, GPS, etc., which can connect the vehicle with your smart phone. You can manage and check your vehicle using your smart phone through the SOCO App.**

Available on **iOS** and **Android** platforms, please check your smart phone operating system before installation.

**iOS** platform: App requires **iOS 9.0** or later.

**Android** platform: App requires **Android 4.4** or later.

Download and install SOCO App by scanning the QR code in the last page of this manual.



**SOCO APP**

Since the date of purchase, you will be presented with 1 year's free data of SIM card to use SOCO APP function. Make sure to recharge it before the free period expires. For those who fail to recharge within the time limit, the operator will close the recharge interface, and the recharge function of data cannot be restored, in which case SOCO APP cannot be used normally.

# PARAMETER TABLE

## Main Specifications and Performance Index for CUX

Main Specifications	LxWxH (mm)		1785x724x1092	
	Wheelbase (mm)		1216	
	Carrying Capacity (including the driver) (person)		1	
	Rated Capacity (kg)		75	
	Head Angle (°)		26	
	Tire	Front	90/90-12	
		Rear	90/90-12	
	Max Speed (km/h)		45	
	Climbing Capacity (°)		17	
Ground Clearance (mm)		140		
Main Weight Parameters			Total Weight of the Vehicle	Rated Maximum Load
	Total Weight (kg)		67	142
	Front Wheel Axle Load (kg)		26	46
	Rear Wheel Axle Load (kg)		41	96
Controller Main Specifications	Model		ZWK048035A	
	Overcurrent Protection Value(A)		35±1	
	Undervoltage Protection Value(A)		38±1	

# PARAMETER TABLE

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Motor Main Specifications	Model	12ZW4848318YA
	Motor Type	Permanent Magnet
	Rated Continuous Power Output (kw)	900
	Rated Rotating Speed (r/min)	480
	Rated Output Torque (N.m)	18
Battery Main Specifications	Type	Lithium Battery
	Specification	48V26Ah/48V32Ah
	Total Voltage(V)	48
	Total Capacity(Ah)	26/32
Electrical System Main Specifications	Headlight Specifications	LED
	Brake Light/Rear Position Light Specifications	LED
	Turn Signal Light Specification	LED
	Front Position Light Specifications	LED
	Air circuit breaker Specifications(A)	40
Charger Main Specifications	Type	48V5A
	Voltage(V)	48
	Output Current(A)	5

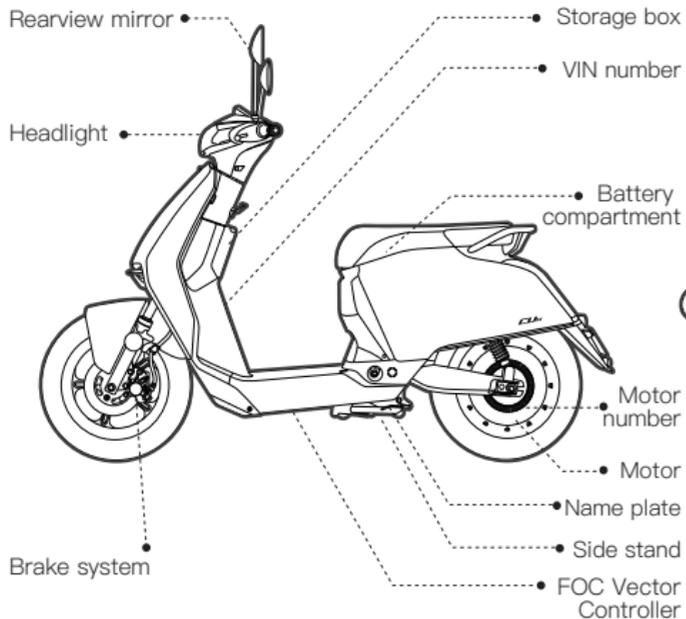
# CONTENTS

Components and Parts .....	11
Operation Guide .....	14
Riding Guide .....	19
Battery Instructions .....	22
App Instructions .....	25
Maintenance .....	26
Common problems and Troubleshooting methods .....	27

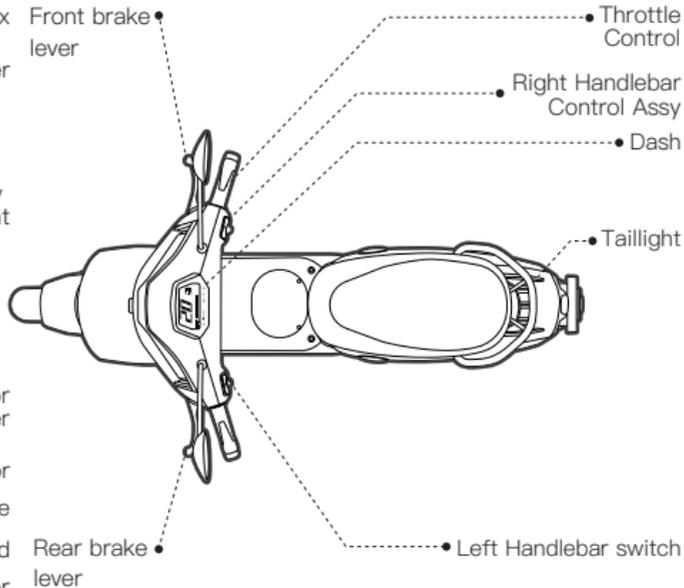
# DESCRIPTION OF COMPONENTS AND PARTS

## a. Schematic diagram of components and parts

SIDE VIEW



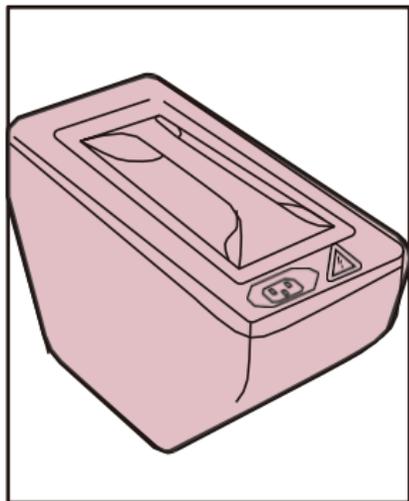
TOP VIEW



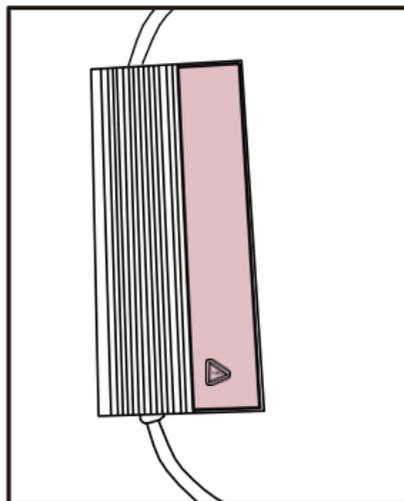
## DESCRIPTION OF COMPONENTS AND PARTS

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### b.Warning Label



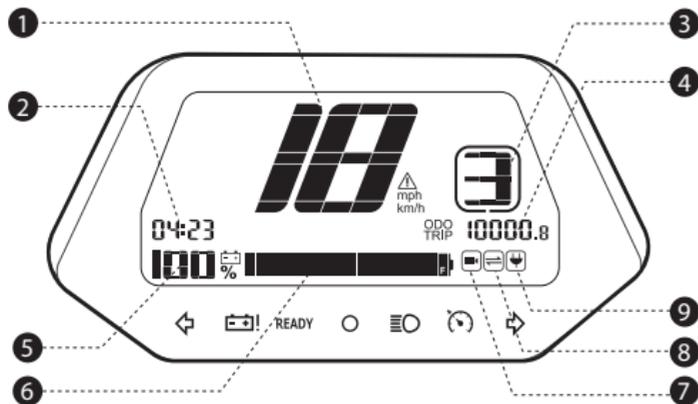
Battery



Charger

# DESCRIPTION OF COMPONENTS AND PARTS

## b. Dash Overview



### 1 Speedometer

Display current speed of the vehicle.

### 2 Clock/fault code

Display current time. When error indicator illuminates, show the fault code.

### 3 Ride Mode

Display ride mode.

### 4 Total Mileage/per mileage

Display total mileage/per mileage.

### 5 State of Charge (SoC)

Display the SoC in percentage.

### 6 Power Display Bar

Display current amount of energy remaining in battery.

### 3 High Beam Indicator

Indicate high beam is on

### 4

### Turn Signal Indicator

Flashing when left or right turn signal is on.

### Battery Error Indicator

Indicator

### 9 Cruise control indicator

The cruise indicator is always on when starting.

### 7

### 7 Front camera status indicator

The operating status of the front camera is indicated by the light signal(This function is only applicable to certain models).

### 8 Data connection status Indicator

Display data connection status.

### 9 Charging status Indicator

Display charging status.

## Note:

### FrontCamera Indicator

1. Light off: no connector
2. Light on: normally function
3. Photographing status/emergency recording: flashes until the recording is complete
4. Device abnormality: periodically flashing 3 times
5. Firmware upgrade: flashes until the upgrade is complete
6. Device initialization: flashing 3 times

Error indicator

Charging

Data connection

Sport mode

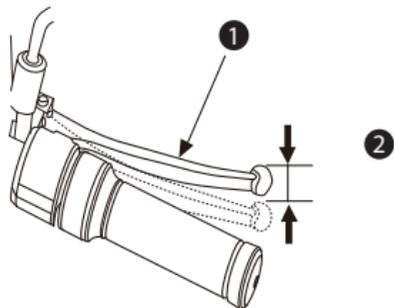
Normal mode

Eco mode

# DESCRIPTION OF COMPONENTS AND PARTS

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## c.Brake

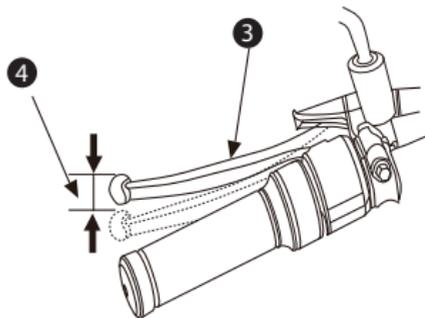


1 Front Brake Lever 2 Front Brake Lever Free Stroke

### Front Brake

The brake is an important safety component of an electric vehicle and should always be properly adjusted. The distance that the end of the front brake lever moves from the start of braking to the time when the front wheel just feels the brake dragging is called the front brake free stroke.

Measure the distance that the end of the front brake lever can travel. Free stroke should be: 10–20mm



3 Rear Brake Lever 4 Rear Brake Lever Free Stroke

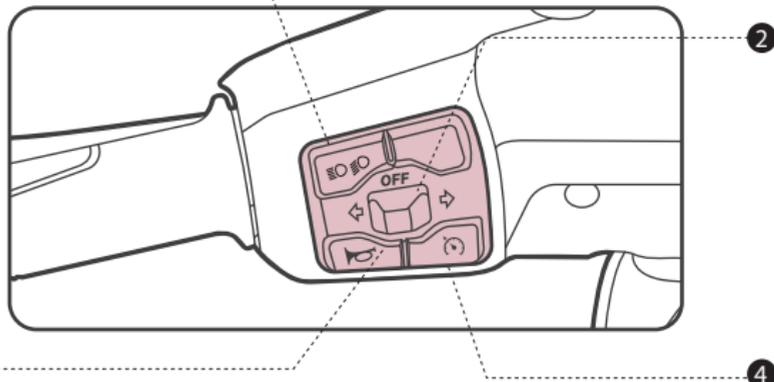
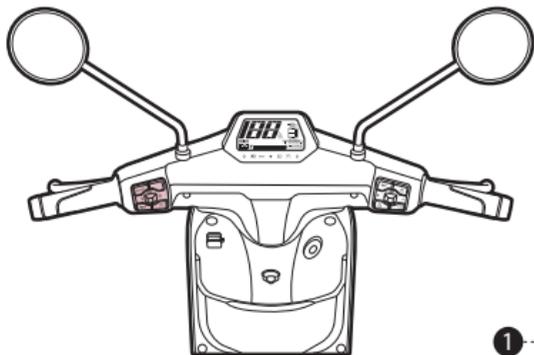
### Rear Brake

Park the vehicle on solid level ground with the main stand. The distance the rear brake lever moves from the start of braking to when the rear wheel just feels the brake dragging is called the rear brake lever free stroke.

Rear brake lever free stroke should be: 10–20mm

# OPERATION GUIDE

## a. Left Handlebar Control Assy



### 1 Horn button

Press, horn on; release, horn off.

### 2 Turning light button

Turn to left, left turn signal on;  
Turn to right, right turn signal on;  
Turn to middle, signal light off.

### 3 High/Low beam switch

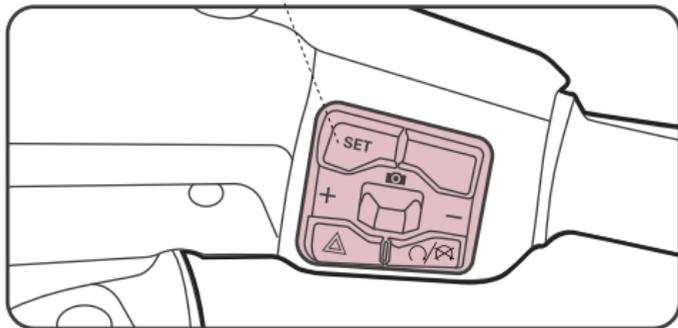
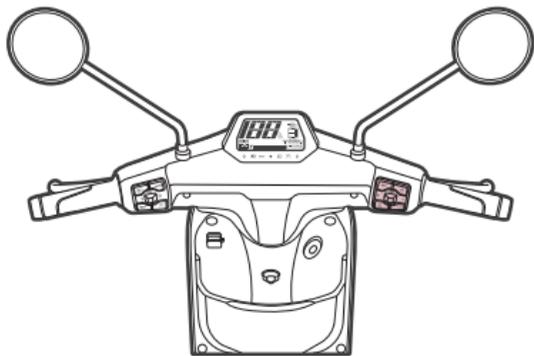
Up position, high beam on; Down position, low beam on.

### 4 Cruise control button

Rotate the handle to a certain angle (Keep a certain speed), click it to enter the constant speed cruise at that speed. The cruise control can be cancelled by braking or increasing the angle of the handle.

# OPERATION GUIDE

## b. Right Handlebar Control Assy ①



### ① SET button

Display adjustment

a. In normal mode, short press the button switch. The mileage display mode is switched (ODO/trip), the status is saved.

b. In the short mileage mode, moderately press, then reset the short distance (Trip), save the state.

c. In normal mode, long press the button to turn on the speedometer backlight and headlight . Display Unit Switch (km or mile, km/h or mph) In normal mode, long press the button to switch the unit and save the status.

Remark:

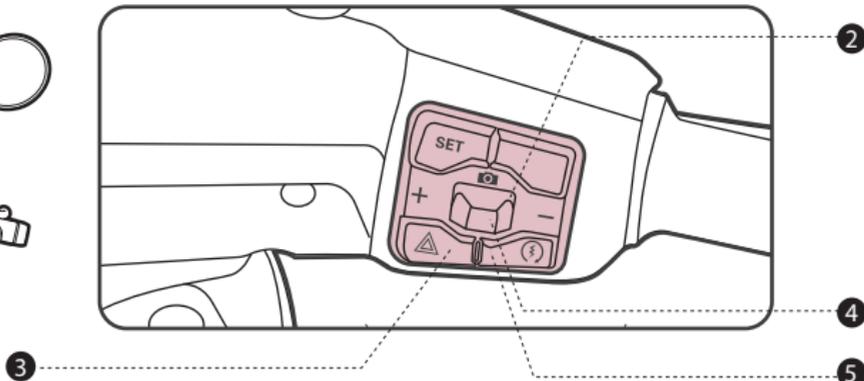
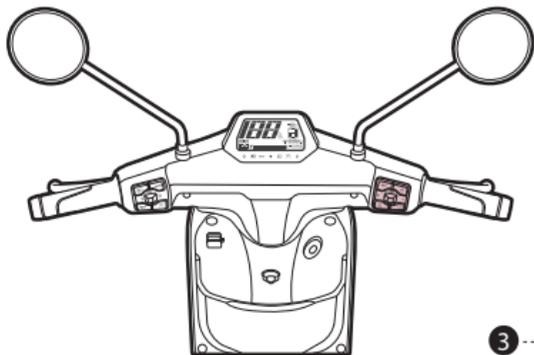
**Short** press the button for less than 2 seconds, then release.

**Moderately** press the button for less than 8 seconds and more than 2 seconds, then release.

**Long** press the button for more than 8 seconds, then release.

# OPERATION GUIDE

## b. Right Handlebar Control Assy



### 2 Gear plus and minus button

The vehicle provides three ride modes:

1 eco, 2 normal, 3 sport.

Position Right for Mode 1;

Position Middle for Mode 2;

Position Left for Mode 3.

### 3 Double Flash

Tap the double flashing button, the turn signal will enter the double flashing state

### 4 Front camera shooting button

\*This function is only applicable to some models, please refer to the operating guide for details\*

### 5 Parking Switch

When the parking switch is pressed to the up position, the vehicle enters parking state, When the parking switch is pressed to the down position, the READY indicator illuminates, and the vehicle exits parking state.

# OPERATION GUIDE

## c. Intelligent Remote Control Operation

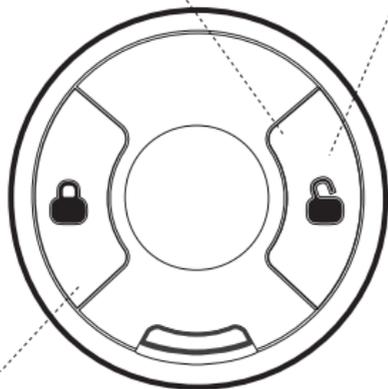
CUX is equipped with second generation SOCO Intelligent Remote Control, with a press of the button, you can lock or unlock the vehicle within an effective distance.

### 1. Unlock Button

Press "Unlock" button, the vehicle enters unlocked state.

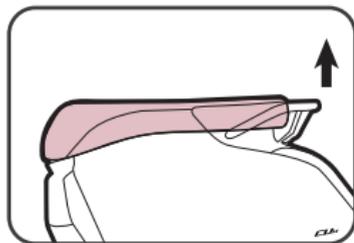
### 2. Lock Button

When the vehicle is in a stationary state, press "Lock" button, the vehicle enters locked state.



### 3. Smart remote control operation

Adapt the second-generation SOCO smart remote control key, and press the button lightly within the effective range, the easily lock or unlock the vehicle. Press and hold the unlock button for 3S, the saddle lock can be opened automatically.



\*Only applicable to some models\*

# OPERATION GUIDE

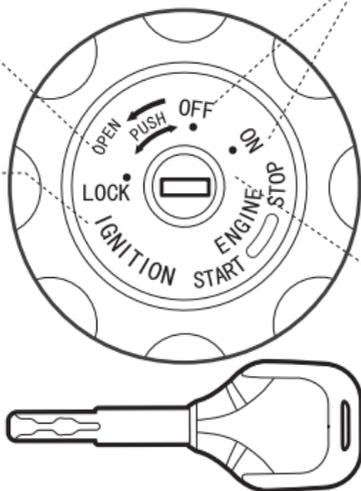
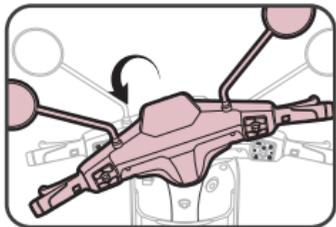
## 1. Open the Battery Compartment/Storage Box

Insert the key and turn the key clockwise to unlock the battery compartment/storage box.

## 2. Steering Wheel Lock

① After parking the vehicle, turn the handlebar to extreme left position. Insert the key to the steering wheel lock, press down the key and turn counterclockwise to lock the steering wheel.

② Insert the key to the steering wheel lock, press down the key and turn clockwise to unlock the steering wheel.

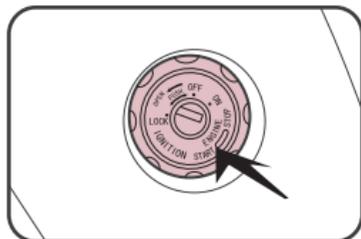


## 3. Start the vehicle with Mechanical Key

After unlocking the vehicle via Intelligent Remote Control, insert the key and turn the key to “ON” position, power on; turn the key to “OFF” position, power off.

## 4. Keyless Start

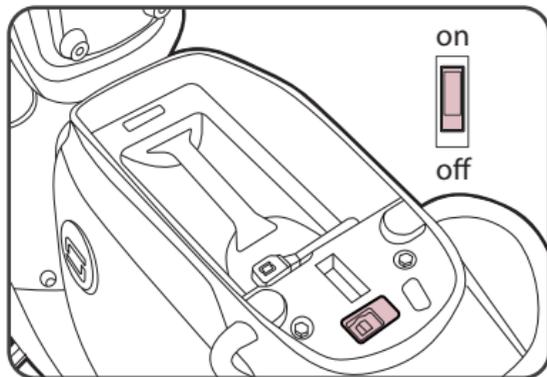
After unlocking the vehicle via Intelligent Remote Control, press the “POWER” button, power on, press again, power off.



\*Only applicable to certain models\*

# OPERATION GUIDE

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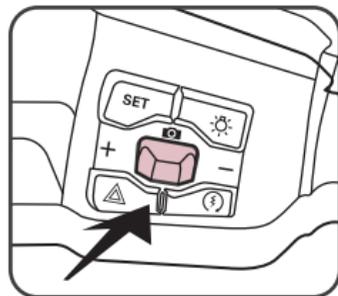
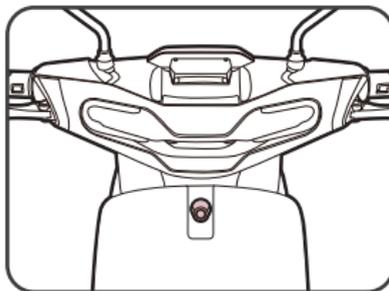


## 1. Air Circuit-breaker

The air circuit-breaker serves as the main power protection for the entire vehicle. When the vehicle circuit is abnormal or short circuit causes the current to exceed the safety setting(50A), the air circuit-breaker will automatically disconnect to ensure safety.

### TIPS:

To ensure the safety of the vehicle and the user, please turn off the air circuit-breaker when washing the vehicle, storing the vehicle for extended periods of time or taking out the battery pack.



## 2. Front Camera “Shoot Button” Operation

After the vehicle starts, the front camera enters the READY mode by default.

### Short Press Within 1s

The camera takes a picture and an emergency video.

### Long Press for 4s

The camera enters recording mode.

### Long Press for 4s

in recording mode The camera stops recording and enters READY mode.

### Long Press for 10s

The camera restores to factory setting.

\*The front camera is an optional accessory.If installed, you can change some Settings through the SOCO APP.More details,please download and log in the SOCO APP.\*

# RIDING GUIDE

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## a. Pre-ride Checklist

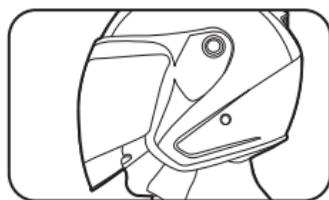
Before operating your CUX Smart Electric Scooter, check the following to ensure your own safety:

- 1 Check whether the handlebar is stable and flexible when turning.
- 2 Check whether the left and right handlebar controls work properly.
- 3 Check whether the throttle control works properly.
- 4 Make sure the tire pressure is within normal range.  
The suggested tire pressure is 175 kPa for the front tire, and 175 kPa for the rear tire.
- 5 Make sure that there are no cracks, damage, wear, foreign object puncture or adhesion on the tire surface.
- 6 Check tread depth of both tires is enough. If the tire is worn to the black shaded mark on the diagram, it needs to be replaced.
- 7 Check if any error warning sign illuminates on the dash when power on.
- 8 Check whether the battery capacity is sufficient for your trip.
- 9 Check whether all lights function properly.
- 10 Check whether horn function properly.
- 11 Check whether rearview mirrors are clean and adjust them to appropriate angle.
- 12 Check whether brake fluid is sufficient, whether the handlebar and brake system function properly.

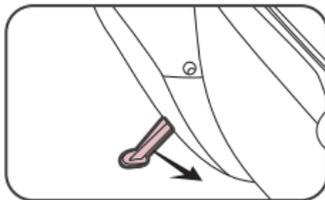
If you have any questions, please contact SOCO Customer Service.

# RIDING GUIDE

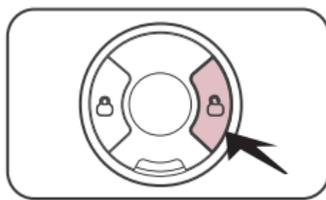
## b. Starting the vehicle



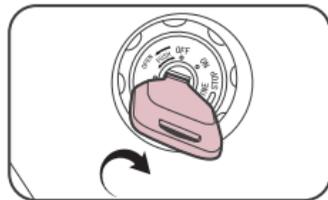
1 Put on the helmet.



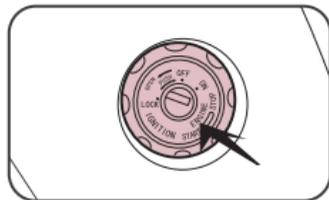
2 Get on your CUX, retract the side stand and center stand.



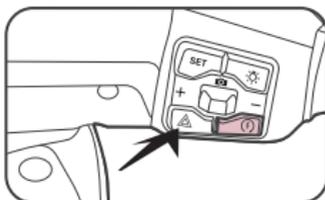
3 Press “Unlock” button on the intelligent remote control.



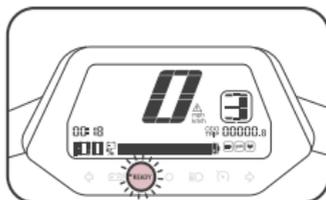
4 Insert the mechanical key and rotate it to “On”.



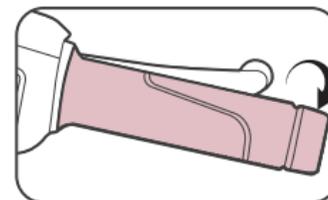
5 Press “Power” button on the control. Power on.



6 Press the “Parking” button



7 Apply the brake, the READY light on, the vehicle exits parking state.



8 Gently twist the throttle to ride on the road.

Note: When the vehicle remains stationary for a long time in power-on state, it will switch to the parking state. Gently hold the brake, and the power will be on again.

# RIDING GUIDE

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## TIPS:

- 1 Before riding, make sure the side and center stand are retracted, the handlebar is unlocked.
- 2 DON'T press "PARKING" button or kick out the kickstand while riding, as it will cut off the power suddenly, which may cause unforeseen danger.
- 3 You can only start the vehicle when it's in the stationary state. If an error occurs while riding, please slide or push the vehicle to a safe area. Do not attempt to restart the vehicle while riding or in the driving lane to avoid danger.

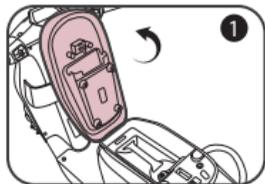
## c.Riding Safety Tips

- 1 When the vehicle is starting, you should slowly accelerate in order to avoid excessive starting current caused by instantaneous rapid acceleration and increased energy consumption.
- 2 Under the premise of ensuring safety, try to maintain a constant speed, reduce frequent start, brake, instant acceleration, etc. to avoid increased energy consumption.
- 3 The maximum load for CUX is 75KG. Overloading is strictly prohibited.
- 4 When pushing the vehicle, please press the "Parking" button or switch to Forward Mode to prevent accidents caused by sudden start of the vehicle due to unintentional turning of the throttle control.
- 5 Please cut off the power while parking, and remove the key or switch to Forward Mode.
- 6 When the vehicle remains stationary for a long time in power-on state, it will switch to the parking state. Gently hold the brake, and the power will be on again.

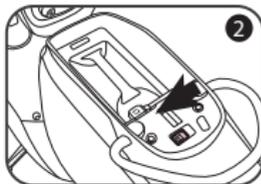
# BATTERY USE INSTRUCTION

---

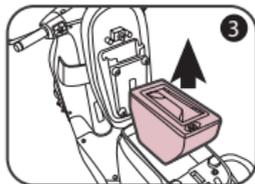
## a. Install Battery



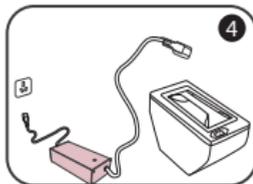
1 Open battery compartment.



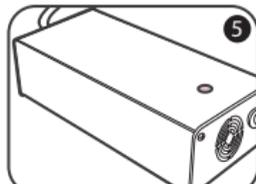
2 Switch off the air circuit-breaker.



3 Take the battery pack out of the battery compartment.



4 Put the main plug of the charger into the battery charging port, and then connect the AC power plug to a power supply.



5 the indicator illuminates red while the battery pack is being charged, and turn green when the battery is fully charged.

## TIPS:

Pay attention to water damage, and prevent the battery pack from being exposed or submerged to water

● Charging temperatures: 0 – 40°C, discharging temperature: –15 – 45 °C.

● Charge the battery pack after using, if you plan on not riding the vehicle for a long time, please take the battery pack out of the vehicle.

● Forbidden to short-circuit the battery pack.

● Please prevent children from touching the battery pack and forbidden to throw it into the fire.

● Forbidden to impact or press strongly on the battery pack.

● Only charge the battery pack with the designated special charger. Do not use unapproved chargers to charge the battery pack.

● The battery pack and charger have been strictly inspected before leaving the factory, forbidden to disassemble the battery pack without authorization.

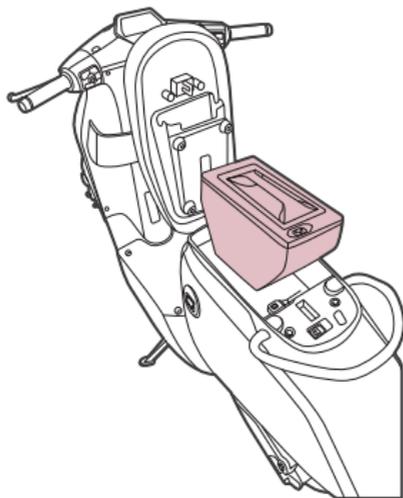
● Do not park the vehicle indoors or in the hallway. Do not charge the vehicle indoors or in the hallway. The battery/vehicle should be kept away from combustible materials when charging.

# BATTERY USE INSTRUCTION

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## b. Storage, Maintenance and Transportation

- ❶ In case you plan on storing your battery pack for a long period of time, please disconnect the battery from the vehicle to prevent it from over-discharging. Keep the battery in a dry, ventilated place and fully charge it with the charger once every two months.
- ❷ The battery pack and charger should be stored in a clean, dry and well-ventilated place and avoid contact with corrosive substances, and be kept away from power, fire and heat sources.
- ❸ Battery pack storage conditions: ambient temperature 0–25°C, ambient humidity ≤65%RH.



# APP INSTRUCTIONS

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CUX Smart Electric Motorcycle supports wireless communication, **GPS**, etc., which can connect the vehicle with your smart phone.

You can manage and check your vehicle using your smart phone through the **SOCO App**.

\*Please note that some functions require wireless network and location function

Available on **iOS** and **Android** platforms, please check your smart phone operating system before installation.



iOS platform: **App** requires **iOS 9.0** or later.



Android platform: **App** requires **Android 4.4** or later.

## APP main features:



### On-Board Diagnostics:

When the vehicle is ready to start, you can access the condition of the vehicle by performing a one-button examination.



### Anti-theft System:

The vehicle will sound the alarm when an unauthorized movement of the vehicle occurs. The app will notify the owner and start tracking the position of the vehicle.



### Data Record:

Users can access the vehicle information, battery level, distance travelled, tracking and other information through the APP.



### Social Networking:

Users can make friends and build the community through the app and enjoy the fun of riding online and offline.

The functions of SOCO APP may vary with version update, function upgrade and different vehicle types. Please refer to the actual content of the latest version.

# MAINTENANCE

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Regular maintenance can improve the service life and driving safety of CUX Smart Electric Scooter. It is suggested that you take care of the vehicle following the advices below:

## a. General cleaning and maintenance

**\*Cleaning:** Please use clear water and mild detergent to clean the vehicle, and use soft cloths and sponges to clean the surface. Please do not use metal brushes, sandpapers etc. to prevent the parts surface from scratching. After cleaning, dry it with a soft cloth.

**\*Storage:** Please move the vehicle to a dry and cool indoor place, reduce exposure to sun and rain to avoid rust and corrosion of parts, thereby prolonging the service life of your vehicle.

## b. Warnings

- 1 Please turn off the air switch before cleaning.
- 2 Please do not use high-pressure washers to flush the vehicle directly, so as to avoid internal electrical parts and lines being exposed to water intrusion and soaking, which may cause vehicle mechanical failure or other potential accidents.
- 3 Before long-term storage, please turn off the air switch to cut the power supply and avoid over discharging and please charge the battery once a month.
- 4 After long-term storage, please fully charge your vehicle before operating.

# COMMON PROBLEMS AND TROUBLESHOOTING METHODS

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## a. FAQ and Troubleshooting

Errors	Causes	Solutions
No power, “start” won’t light up.	<ol style="list-style-type: none"><li>1. Battery is poorly connected</li><li>2. Air circuit breaker is not turned on</li></ol>	<ol style="list-style-type: none"><li>1. Please check if the main battery plug is properly connected</li><li>2. Turn on the Air circuit breaker</li></ol>
Twist the throttle, the motor won’t start.	<ol style="list-style-type: none"><li>1. Low battery</li><li>2. Kickstand is not retracted</li><li>3. Parking button is not switched off</li><li>4. Throttle fault</li><li>5. Controller connector is loose</li><li>6. Controller fault</li><li>7. Motor fault</li></ol>	<ol style="list-style-type: none"><li>1. Charge the battery</li><li>2. Retract the kickstand</li><li>3. Press the parking button to unpark</li><li>4. Replace the throttle</li><li>5. Replug the controller connector</li><li>6. Replace the controller</li><li>7. Replace the motor</li></ol>
Speed is slow or mileage is short.	<ol style="list-style-type: none"><li>1. Low battery</li><li>2. Flat tire</li><li>3. Overloading</li><li>4. Poor braking</li><li>5. Battery aging or reaching end of life</li></ol>	<ol style="list-style-type: none"><li>1. Charge the battery</li><li>2. Please inflate the tires to normal pressure before riding</li><li>3. Observe load limits</li><li>4. Replace brake pads and check the brake system before riding</li><li>5. Replace the battery</li></ol>
Battery won’t charge	<ol style="list-style-type: none"><li>1 The charging plug is poorly connected.</li><li>2 Did not use the correct charger</li><li>3 Battery aging or reaching end of life</li></ol>	<ol style="list-style-type: none"><li>1 Please check if the main plug is properly connected</li><li>2 Please use SOCO designated charger</li><li>3 Replace the battery</li></ol>

# COMMON PROBLEMS AND TROUBLESHOOTING METHODS

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## b. Error Codes

<b>Errors</b>	<b>Causes</b>	<b>Solution</b>
Error 99 on Dash	Controller communication fault	Please contact customer service or dealer
Error 98 on Dash	Controller stops working (possibly overcurrent, locked-rotor, under voltage, overtemperature)	Please stop for a while and then start again
Error 97 on Dash	Controller power transistor fault	Please contact customer service or dealer
Error 96 on Dash	Controller Hall sensor fault	Please contact customer service or dealer
Error 95 on Dash	Controller throttle fault	Please check the throttle wiring or contact customer service or dealer
Error 94 on Dash	Battery communication fault	Please check the charging port connection, or contact customer service or dealer
Error 93 on Dash	Charging overcurrent	Please stop charging, and check the charger
Error 92 on Dash	Charging overvoltage	Please stop charging, and check the charger
Error 91 on Dash	Battery at high temperature	Please stop charging/riding wait until the battery temperature drops before attempting to ride
Error 90 on Dash	Discharging overcurrent	If it keeps showing Error 90, please stop riding and wait for a moment
Error 89 on Dash	Low temperature charging	Please take out the battery and charge it in a warm indoor place
Error 88 on Dash	Low temperature discharging	Please take the vehicle or battery to a warm indoor place, and wait for a moment
Error 87 on Dash	Internet connection fault	Please move the vehicle to an open area, or contact customer service or dealer
Error 86 on Dash	GPS connection fault	Please move the vehicle to an open area, or contact customer service or dealer

## COMMON PROBLEMS AND TROUBLESHOOTING METHODS

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### c. Battery Troubleshooting

Status	Errors	Causes	Solutions
Before using	The battery has no power, no response when starting the vehicle	Low battery	Charge the battery.
In use	When riding with low power, power off occurs when battery level drops below 10%	Low battery, low voltage protection, normal phenomenon	Charge the battery.
In use	Error 88 on Dash	Low temperature discharging	Please move the vehicle to a warm indoor place, and wait for a moment
In use	Error 90 on Dash	Discharging overcurrent	If it keeps showing Error 90, please stop riding and wait for a moment
In use	Error 91 on Dash	High discharge temperature	Please stop riding, switch off the air circuit-breaker and wait for a moment
In use	Error 94 on Dash	Battery communication fault	Please check the charging port connection or contact customer service or dealer
In use	Overnight or next day, the dash shows a drop in power	ECU, controller, alarm electrical components will drain the battery. Normal phenomenon	Operate as normal

# COMMON PROBLEMS AND TROUBLESHOOTING METHODS

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Status	Errors	Causes	Solutions
In use	The mileage is different from official data	Official Mileage is the one in a special environment and condition, and is related to road conditions, weather, temperature, wind resistance, load capacity and other factors	If you have any questions, please contact customer service or dealer
Storage	Start the vehicle, "Power" not on	Battery has been stored for too long, power is used up	Charge the battery. If it can't be charged, please contact customer service or dealer
Charging	Error 89 on Dash	Low temperature charging	Take out the battery and charge it in a warm indoor place
Charging	Error 92 on Dash	Charging overvoltage	Please stop charging, and check the charger
Charging	The charger heats up during charging	Charging process of the charger internal current is high and will generate a lot of heat, the metal housing can effectively dissipate heat, which will lead to a higher temperature of the housing	Operate as normal, and use the charger in a dry, ventilated place
Battery flooded water	The battery does not work properly and the vehicle cannot be started	The vehicle is rained on, soaked in water, waded too deep in water, causing battery flooded water	Stop using. Please contact customer service or dealer
Battery shell broken	The battery has been impacted or dropped, causing the shell to break or crack	Battery shell damage caused by the use of the vehicle	Stop using. Please contact customer service or dealer



## SOCO Smart Electric scooter

Download App



Android



iOS

Bind your vehicle



Available on **iOS** and **Android** platforms, please check your smart phone operating system before installation.

**iOS** platform: **App** requires **iOS 9.0** or later.

**Android** platform: **App** requires **Android 4.4** or later.

**CHECK LIST**

RANGE	1000 KM	2500 KM	5000 KM	7500 KM	10000 KM	12500 KM	15000 KM	17500 KM	20000 KM	Torque
Brake fluid	<input type="radio"/>		<input type="radio"/>				<input type="radio"/>			
Tire pressure and wear	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
Front and rear brake shoes wear		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
Front and rear brake discs wear			<input type="radio"/>				<input type="radio"/>			
Front axle nut fastening	<input type="radio"/>		<input type="radio"/>				<input type="radio"/>			59N.m
Rear flat fork nut fastening	<input type="radio"/>		<input type="radio"/>				<input type="radio"/>			59N.m
Motor nut and retainer bolt fastening	<input type="radio"/>		<input type="radio"/>				<input type="radio"/>			80N.m
Front and rear shock bolt fastening	<input type="radio"/>		<input type="radio"/>		<input checked="" type="radio"/>		<input type="radio"/>		<input checked="" type="radio"/>	F.30N.m/ R.39N.m
Steering column locking nut										60N.m
Front disc brake bracket fastening (with threadlocker)	<input type="radio"/>		<input type="radio"/>				<input type="radio"/>			26N.m
Front brake disc fastening (with threadlocker)	<input type="radio"/>		<input type="radio"/>				<input type="radio"/>			42N.m
Rear disc brake bracket fastening (with threadlocker)	<input type="radio"/>		<input type="radio"/>				<input type="radio"/>			26N.m
Rear brake disc fastening (with threadlocker)	<input type="radio"/>		<input type="radio"/>				<input type="radio"/>			42N.m
Battery	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		

Note: Check the lithium battery balance by BMS reading and manual measurement.

[www.supersoco.com](http://www.supersoco.com)

MAINTENANCE RECORD:

Content:

Date:

Manufacturer: Yanaka (Xuzhou) New Energy Locomotive Co., Ltd.

Address: Accessories Park, Hi-tech Industrial Development Zone, Changdian Town, Fengxian County,  
Xuzhou City, Jiangsu Province, China

Assembly plant: Changzhou Kwang Yang Motor Co., Ltd.

Address: No.10 Lvtang Road, New North District, Changzhou City, Jiangsu Province, China

The illustrations in this manual may differ from the actual products.

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