

USER INSTRUCTIONS

Welcome to the family of SOCO owners! We will guide you to know every function for the right and safe use of TC smart electric bikes. To ensure your safety, please read this manual carefully before riding and make sure you are always following the requirements TC below:

- Fully understand the information in this manual, include but not limited to the relevant instructions, precautions and warnings.
- Fully understand the operation and contingency measures of TC smart electric motorcycle
- Be fully aware of warning labels of TC smart electric bikes.
- DON'T disassemble Vehicle or any parts, if need replacement, please contact local dealer.

Please contact the SOCO Customer Service Center if you have any questions!
Wish you safe and pleasant riding experience!

Safety Instructions

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

- Do not ride after you take medications which may affect your riding ability, drink alcohol, or when you are unwell.
- Observe traffic regulations and traffic signs and confirm the surrounding road conditions and bike conditions at any time, so as to actively avoid danger.
- Wear safety equipment, such as helmet, and appropriate protective clothing if necessary, such as gloves and boots.
- Perform a basic check each time before riding, so as to confirm the light, brake, tread and tire pressure and check other parts for looseness or abnormal noise, and regularly go to SOCO Service Center for maintenance.
- In order to ensure the safety of you and others, please DO NOT use high beam in good lighting conditions. The continuous use of high beam will cause the visual disturbance to vehicles and pedestrians on the opposite side, thus affecting normal driving.

QUICK START

CHECK LIST



× **2**

REMOTE CONTROLS



× **2**

KEYS



× **1**

LEFT MIRROR



× **1**

RIGHT MIRROR



× **1**

CHARGER



× **1**

USER MANUAL



× **1**

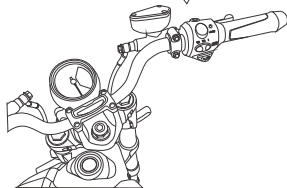
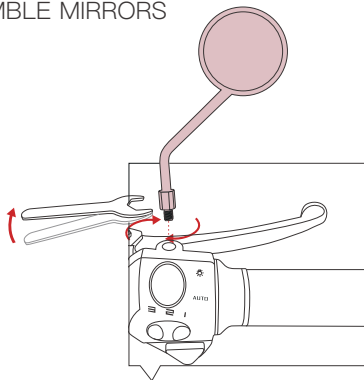
INNER HEXAGON SPANNER



× **1**

SPANNER FOR MIRRORS

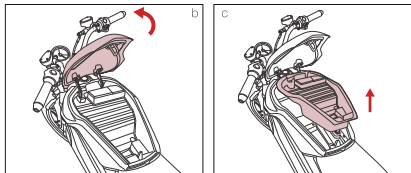
ASSEMBLE MIRRORS



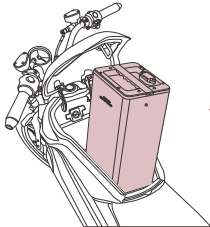
QUICK START

INSTALL BATTERY PACK

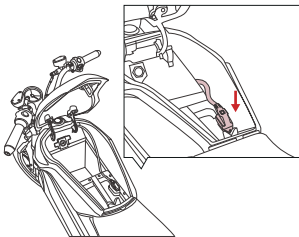
- 1 OPEN STORAGE, TAKE OUT COVER.



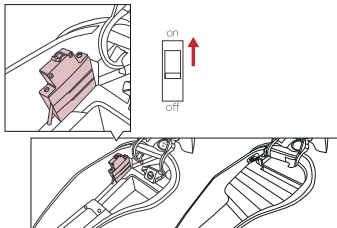
- 2 PUT BATTERY PACK IN.



- 3 CONNECT POWER.



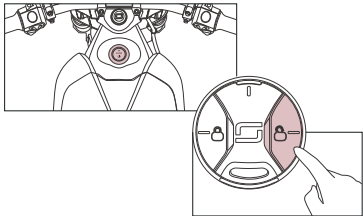
- 4 OPEN STORAGE, TAKE OUT COVER.



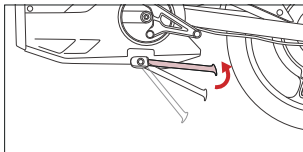
QUICK START

IGNITE MOTORCYCLE

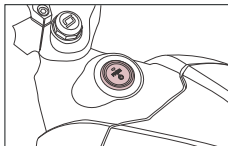
- 1 Press 'UNLOCK' on remote control, "POWER" button on.



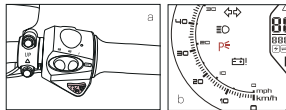
- 2 Put helmet on, get on to, kick side stand out.



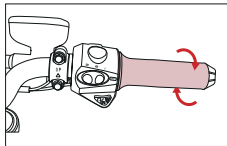
- 3 Press "POWER", power on.



- 4 Press "PARKING" button, release motorcycle, parking symbol off.

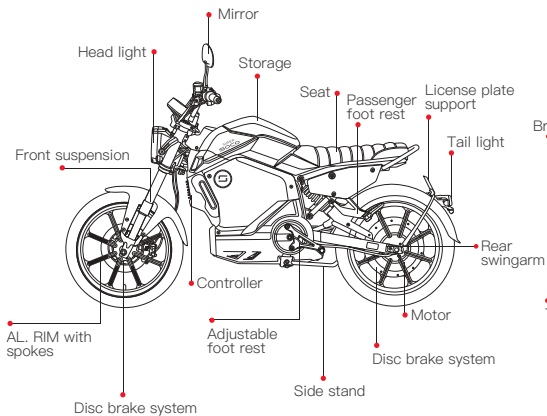


- 5 Turn on accelerator, motorcycle move.

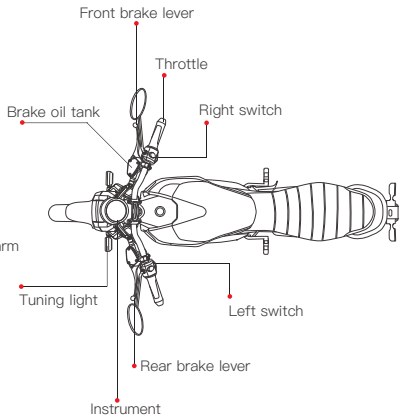


VEHICLE & PARTS

PARTS INSTRUCTION



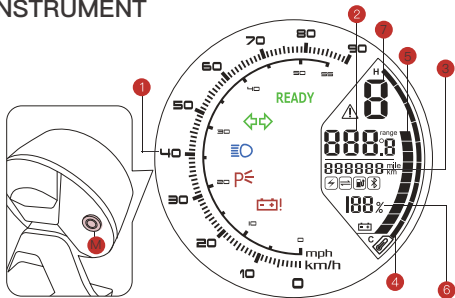
SIDE VIEW



TOP VIEW

VEHICLE & PARTS

INSTRUMENT



M BUTTON FUNCTIONS

Change Indications ----- Range/Temperature

In normal mode, Press it less than 2 seconds, change indications, and keep the status.

Manually start the back light of Instrument (Back light for Letters + LCD back light)

In normal mode, Press it longer than 2 seconds but shorter than 8 seconds, start the back light for instrument and head light.

Change between KM/Mile and KM/P & MPH

In normal mode, press it longer than 8 seconds, then release.

① Speed Indication
Show current speed

② Range/Temperature
Indicate current trip range or temperature. Can switch.

③ Total Range
Indicate total range.

④ Controller Temperature
Indicate real-time temperature of controller

⑤ SOC in Bars
Indicate real-time battery capacity

⑥ SOC in %
Indicate real-time battery capacity

⑦ Mode
Indicate real-time riding model



Errors

1 :ECO Mode



Indication of Error Code Details in Error List.



Charging

2 :NORMAL Mode



Data Connecting

3 :SPORT Mode



HIGH BEAM ON



MOTORCYCLE IN PARKING POSITION



TURNING LIGHT ON

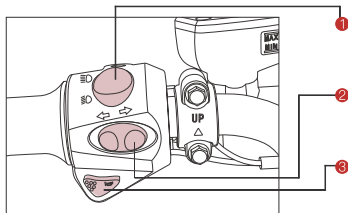


BATTERY ERROR


READY MOTORCYCLE IS READY TO RIDE

OPERATION GUIDE

LEFT SWITCH



① High/Low Beam Switch

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

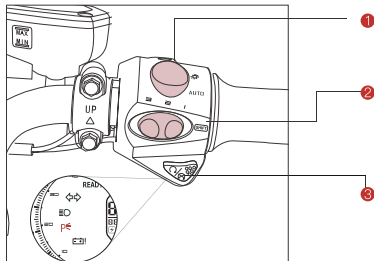
③ BUTTON FUNCTIONS

Press,  horn on; release, horn off.



② BUTTON FUNCTIONS

Move to left, left turning light on;
Move to right, right turning light on.


RIGHT SWITCH



① Front light

Up position , front light on;
Down position , front light automatically on. (Front light adjust the lightness automatically)

③ Parking

Press,  light on, motorcycle at parking position; Press again, motorcycle ready to ride.

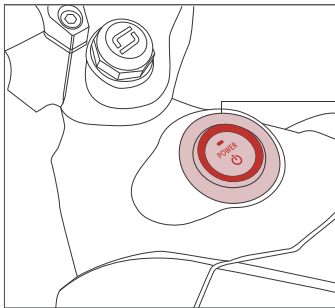
② Mode Change

Motorcycle is set with 3 modes:
1: ECO Mode
2: NORMAL mode
3: SPORT mode
Position at left, mode 1;
Position in the middle, mode 2;
Position at right, mode 3.

OPERATION GUIDE

POWER

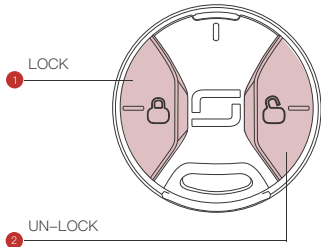
After unlocking the motorcycle via remote control, press the "POWER", motorcycle power on, press again, power off.



- 1 "POWER" flash, locked status.
- 2 "POWER" continuously on, stand-by status
- 3 Red circle continuously on, motorcycle ready to ride.

REMOTE CONTROL

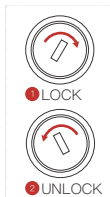
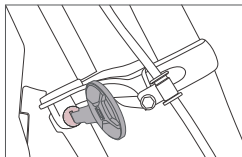
Intelligent remote control, within 20 meter radius, press the button, can lock or unlock your TC.



- 1 LOCK, when motorcycle in standing position, press "LOCK", "POWER" flash, motorcycle locked.
- 2 UN-LOCK, press unlock, "POWER" continuously on, motorcycle unlocked.

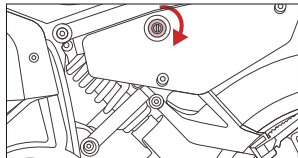
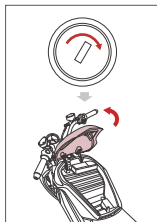
OPERATION GUIDE

HANDLEBAR LOCK



- 1 Motorcycle in parking position, turn handlebar to the extreme left position, put key in handlebar lock, and turn the key to right, motorcycle handlebar locked.
- 2 Put the key in handlebar lock, and turn the key to left, handlebar unlocked.

STORAGE & SEAT



- 1 Put key in, turn key to right, when hear sound "click", storage open.

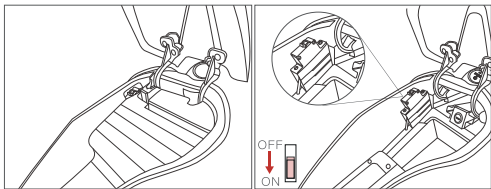


- 2 Put key in, turn key to left, seat open, under seat, there is tools with motorcycle.

OPERATION GUIDE

KILL SWITCH

Kill switch, protection of power, when current over than the set range cause by abnormal situation or short circuit, kill switch will be stop the connection with battery automatically, for safety reason.

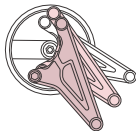
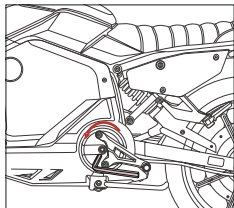


- ★ TIPS:for your own safety, please put kill switch at "OFF" position:
- A. before taking out battery pack;
 - B. before cleaning motorcycle;
 - C. long time storage the motorcycle.

ADJUSTABLE FOOT REST

Unique adjustable foot rest, offer 3 riding positions, adjustable according to rider's request.

- ❶ Open seat, take out the inner hexagon spanner.
- ❷ Lose the bolt under the foot rest.
- ❸ Adjust the foot rest to suitable position, then fix the bolt.



OPERATION GUID

CHECK LIST BEFORE RIDING

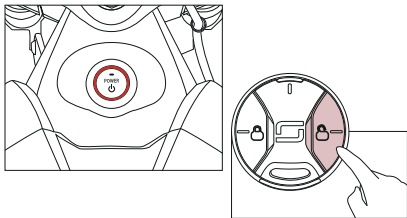
Make sure to check the following items before riding a TC

- Whether the handlebar is stable and flexible when turning.
- Whether the switches on the right and left handlebars can work correct.
- Whether the throttle work correct.
- Make sure the tyre pressure is ok. The suggested tire pressure is 200Kpa for front wheel, 200Kpa for rear with rider only, 225Kpa for rear when 1 rider with 1 passenger.
- Check tyre surface, make sure no cracks, damage, and foreign matter puncture or attachment.
- Whether the tread depth is sufficient (>0.8 mm).
- Whether any error warning light on the instrument with power on.
- Whether the battery capacity is sufficient for your trip.
- Whether all light work correct.
- Whether the horn work correct.
- Whether the mirrors are clean. Adjust them to the appropriate angle.
- Whether the brake oil is sufficient, whether the brake lever and brake system work correct.
- For any questions, please contact SOCO Customer Service Center.

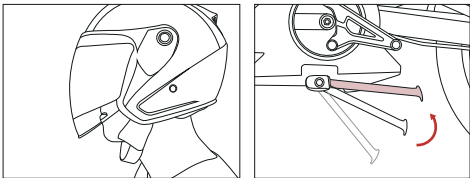
RIDING GUIDE

POWER ON

- 1 Press "UNLOCK" on remote control, "POWER" continuously on.

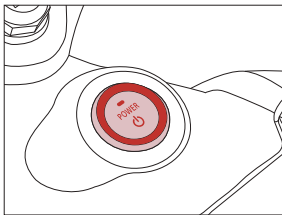


- 2 Put on helmet, riding TC, kick out side stand.

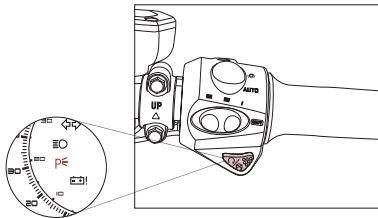


RIDING GUIDE

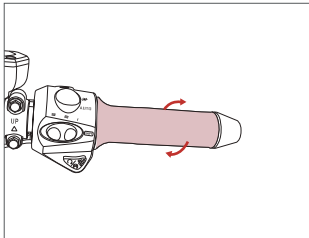
- ③ Press “POWER”, power on.



- ④ Press “PARKING”, parking light off, free motorcycle from parking.



- ⑤ Turn throttle, motorcycle run.

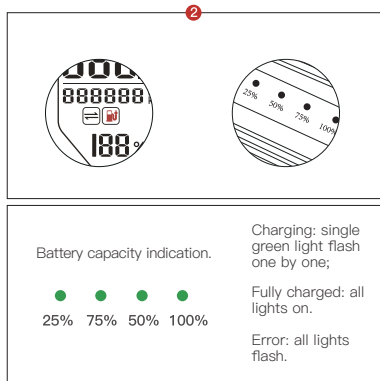
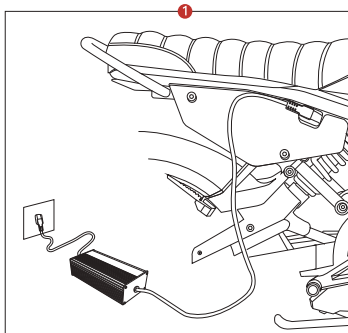


★ TIPS:

- ⚠ Before riding, making sure side stand is kicked out, handlebar is unlocked.
- DON'T press “PARKING” during riding, in case any dangerous due to power off in parking status.
- DON'T put side stand at standing position, in case any dangerous due to power off in standing position.
- Motorcycle can power on in steady standing position. In case any unusual situation, please move to side road, in case any dangerous.

BATTERY USE INSTRUCTION

01 Charging on-board

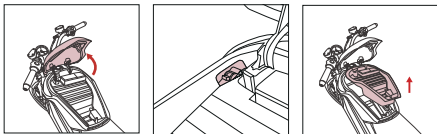


- 1 Connect the charger with motorcycle.
- 2 Connect the charger with power, green light on charger flash one by one according to the battery capacity, when charging.
- 3 Fully charged, all green lights on charge on.

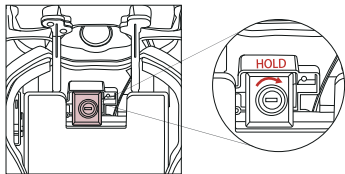
BATTERY USE INSTRUCTION

02 External charging

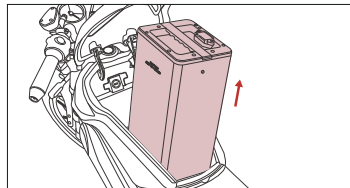
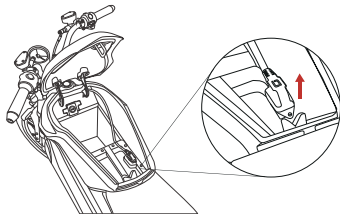
- 1 Open storage, put off kill switch, take out storage room cover.



- 3 Put key in battery locker, turn to right, then can take out the battery pack from motorcycle.



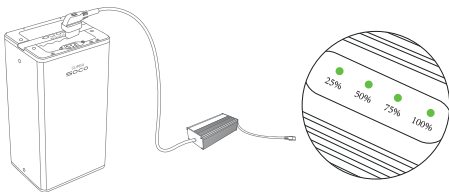
- 2 Disconnect the power connector.



- 4 Connect charger with battery, then connect charger with power, charger working, green lights on charger flash one by one.

BATTERY USE INSTRUCTION

- 5 After fully charged, all lights turn into green.



★ TIPS:

▲ Keep battery pack away from water;

- Charging temperature: 0 – 45°C, discharging temperature: -20 – 45 °C;
- Charging battery pack after using, if don't use the motorcycle for long time, must take out battery pack out motorcycle;
- Forbidden to connect battery pack input and output;

▲ Forbidden to connect battery pack input and output;

- Forbidden strong impact and press on battery pack;
- Must use appointed charger, forbidden to use any other charger to charge battery pack;
- Before delivery, battery pack already passed quality checking, forbidden to open it;
- In case any questions, contact local dealer.

Storage, maintenance, transport

- In case long time no use battery, please charge it till half (in case battery capacity was 0% before charging, charging f3 hours). Store in dry ventilated place, charge 2 hours each 2 months.
- Battery pack and charger need to be stored in clean, dry ventilated place, avoid connect with corrosive material, stay away from heating point.
- Battery storage condition: temperature :-20 – 45 °C, humidity ≤ 65%RH.
- Disconnect the charger and battery when storing them.

MAINTENANCE

Regular maintenance can enhance the service life and driving safety of TC. Please refer to the following suggestions and take care of your motorcycle.

ROUTINE CLEANING AND MAINTENANCE

- Cleaning: Please use clean water and neutral detergent to clean it, and use soft cloths and sponges to clean the surface; it is prohibited to use metal brushes, sandpaper or the like to clean it, in order not to scratch the parts surface. After cleaning, dry it with soft cloths.

TIPS:

- Please disconnect the kill switch before cleaning.
 - Do not use strong water jet to directly wash it, so as to avoid the default of mechanical parts caused by water invasion.
 - Storage: try to park it in a dry and ventilated space to reduce the exposure to sun and rain, avoid rusty of parts.
 - In case don't use for long time, please turn off kill switch and disconnect the power supply, prevent over discharging.
 - After long-term storage, please fully charge it before use.
-

REGULAR INSPECTION AND MAINTENANCE

- The new motorcycle must do the first inspection and maintenance in the SOCO Service Center when it reaches 1,000 km or two months (whichever comes first).
- The motorcycle is recommended to do a regular inspection and maintenance in the SOCO Service Center at every 3,000 km or six months (whichever comes first).

TIPS:

- All service and maintenance must operate by SOCO Service Center, use parts from manufacturer.
- In case rider failed service and maintenance the motorcycle as requested, SOCO reserve rights refuse the warranty claims, if any.
- In case rider open the vehicle without authorization, or using parts not from manufacturer, SOCO reserve rights refuse the warranty claims, if any.

FAQ & TROUBLE SHOOTING

Regular maintenance can enhance the service life and driving safety of TC. Please refer to the following suggestions and take care of your motorcycle.

DAILY CLEAN AND MAINTENANCE

Error	Causes	Solutions
No power, "POWER" not on	<ol style="list-style-type: none">1.Battery is poorly connected2.Kill switch is not turned on	<ol style="list-style-type: none">1.Connect the power cable appropriately2.Turn on the kill switch
Power on, turning throttle, motor not work	<ol style="list-style-type: none">1.Low battery2.Side stand is on3.At parking mode4.Brake handle does not reach the right position5.Throttle error6.The controller plug is loose7.Controller error	<ol style="list-style-type: none">1.Charge the battery2.Side stand off3.Press parking button4.Place the brake handle at the right position5.Change throttle6.Re-plug controller7.Change controller
Speed is slow or mileage is short	<ol style="list-style-type: none">1.Low battery2.Flat Tyre3.Heavily overloaded4.Brake pads need to be replaced5.Battery aging or normal scrap	<ol style="list-style-type: none">1.Charge the battery2.Pump up the tyres, check tyre pressure before riding3.Foster a good habit, keep an appropriate load4.Change the brake pads and check the brake system before riding5.Change battery
Battery cannot be charged	<ol style="list-style-type: none">1.Poor contact of charger plug2.Used wrong charger3.Battery aging or normal scrap	<ol style="list-style-type: none">1.Check whether the plug is at right position2.Use SOCO charger3.Change battery

Failure	Causes	Solutions
Error 99 on Instrument	Controller communication error	Please contact after-sales service or dealer
Error 98 on Instrument	Controller pauses operation (possibly over current, blocking, under voltage, over temperature)	Please stop for a while and then start again
Error 97 on Instrument	Controller power tube error	Please contact after-sales service or dealer
Error 96 on Instrument	Controller Hall sensor error	Please contact after-sales service or dealer
Error 95 on Instrument	Controller throttle error	Please check if battery connector at right position, contact after-sales service or dealer
Error 94 on Instrument	Battery communication error	Please check if battery connector at right position, contact after-sales service or dealer
Error 93 on Instrument	Charging, over current	Stop charging, check the charger
Error 92 on Instrument	Charging, over voltage	Stop charging, check the charger
Error 91 on Instrument	Battery at high temperature	Stop charging, stop riding
Error 90 on Instrument	Discharge, over current	Stop riding
Error 89 on Instrument	Low temperature charge	Park indoor or in a warm place, wait for a moment
Error 88 on Instrument	Low temperature discharge	Park indoor or in a warm place, wait for a moment
Error 87 on Instrument	Internet connection error	Go to an open area, contact after-sales service or dealer
Error 86 on Instrument	GPS connection error	Go to an open area, contact after-sales service or dealer