



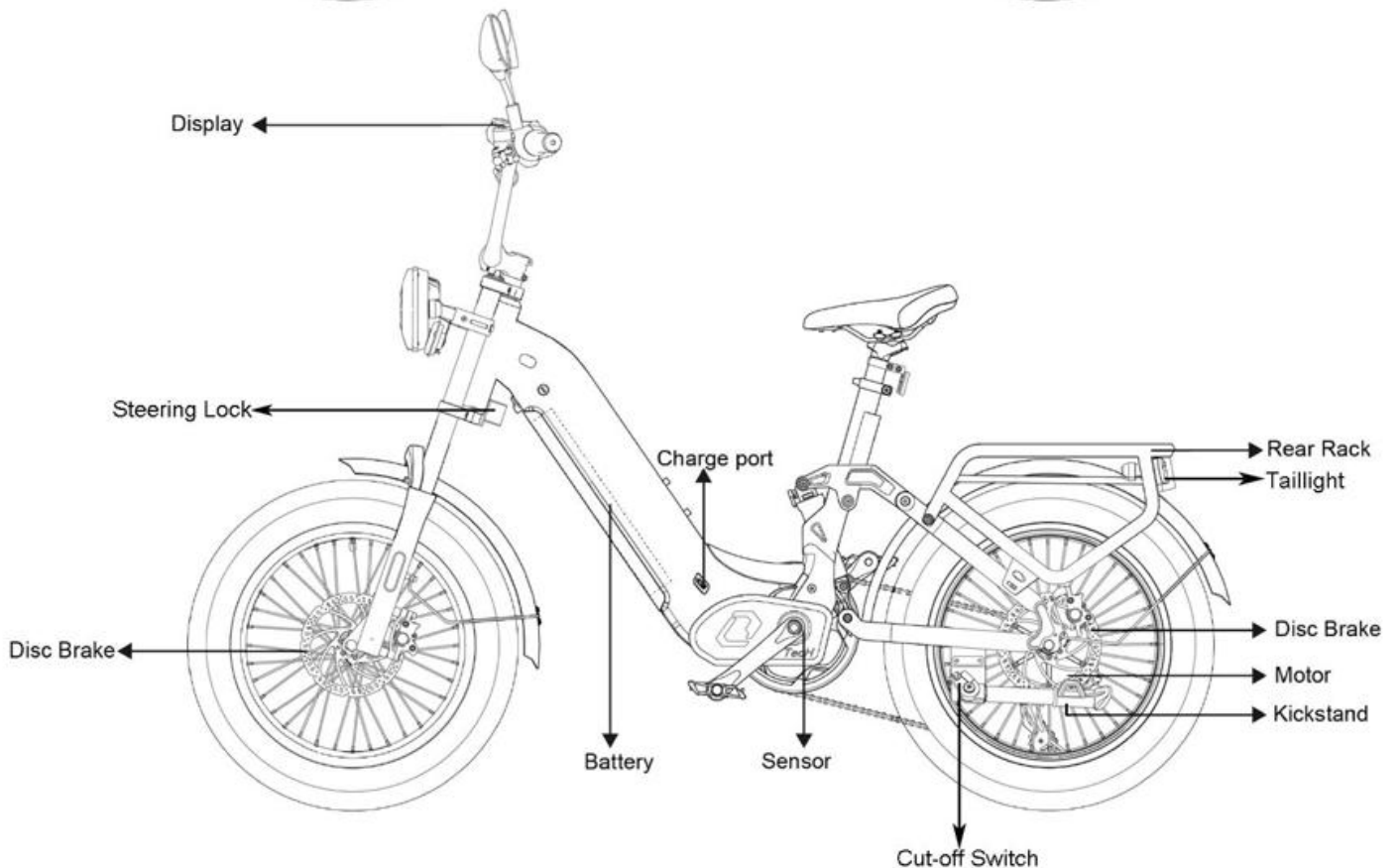
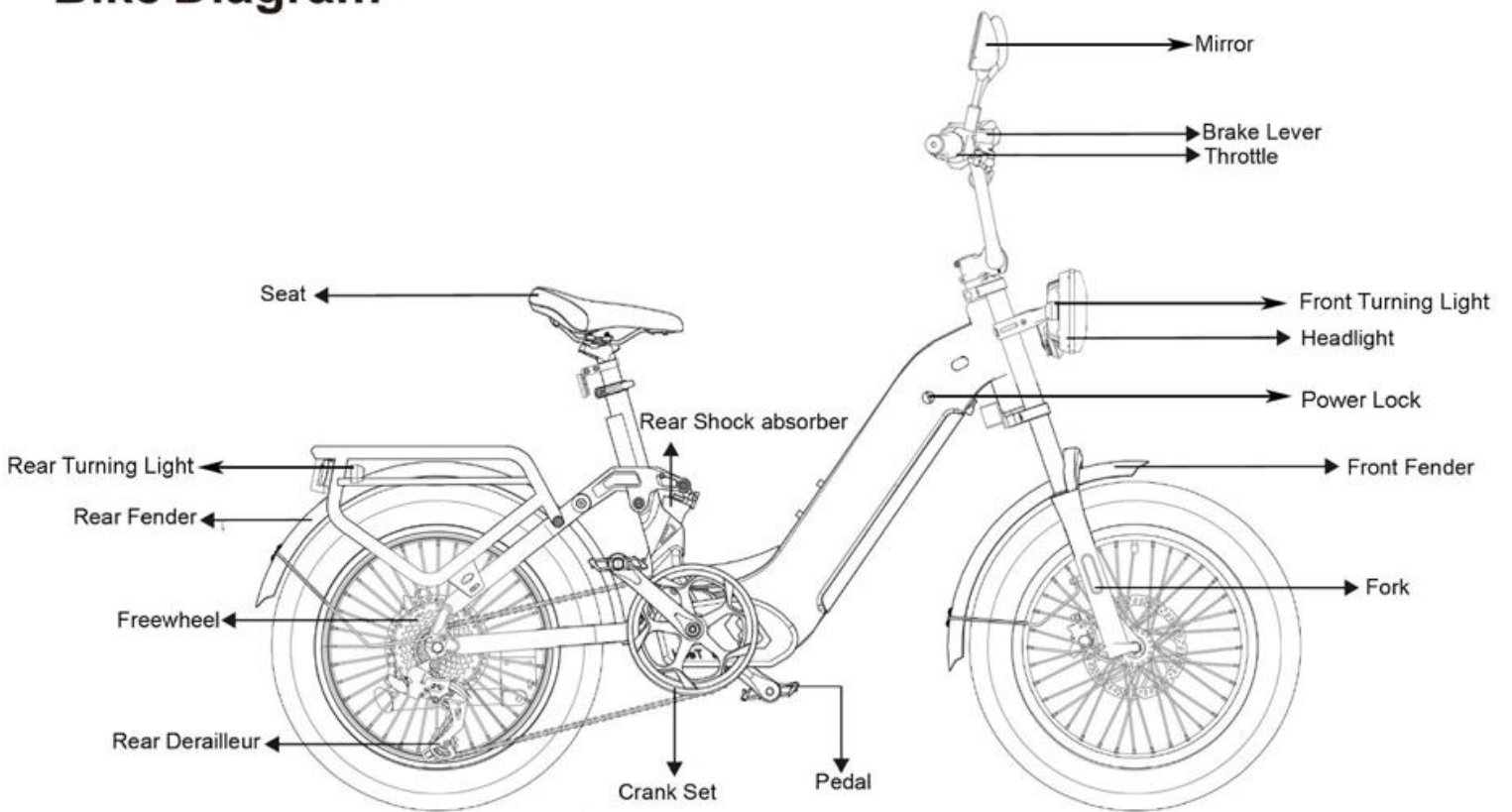
E-BIKE
OWNER'S MANUAL

OVIA ALL-TERRAIN



Bike Diagram

Bike Diagram



First Ride

We know you are excited about getting going but please:

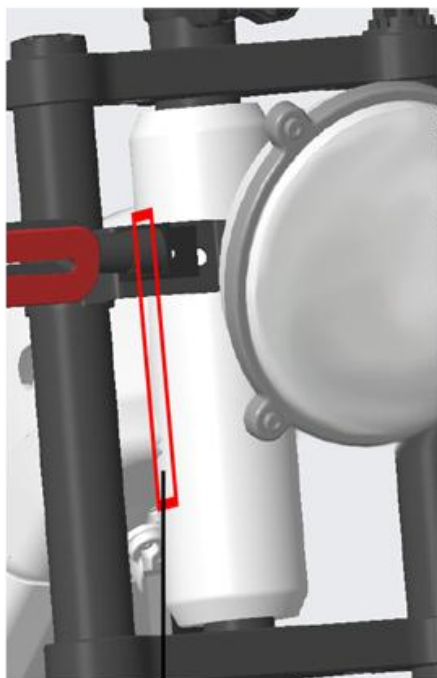
- ✓ Reseat and charge the battery before the first ride
- ✓ Make sure the pedals are tight
- ✓ Make sure the front wheel is installed properly and tight
- ✓ Check to be sure the tires are inflated properly
- ✓ Learn how to use the LCD display
- ✓ Wear a helmet before riding

Please Note: Bike may need further adjustments after assembly

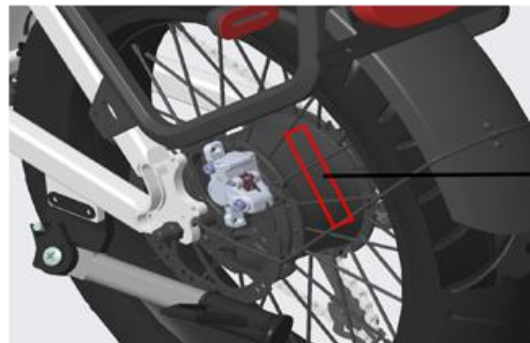
If you have any trouble with setup, please contact us online

<https://www.cyrusher.com/pages/contact>

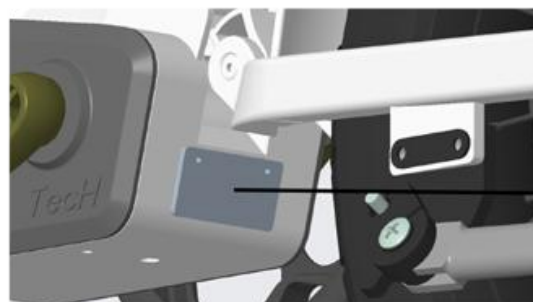
You can find the E-BIKE's VIN code, Motor serial number, Name Plate according to below diagram.



VIN code



Motor
Serial
Number



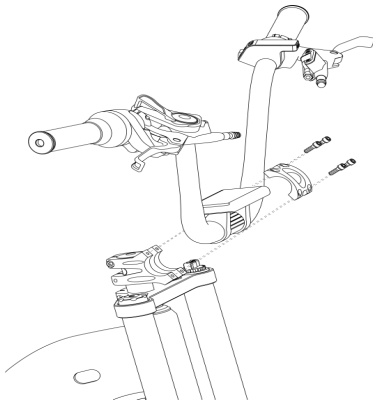
Name
Plate

Assembling

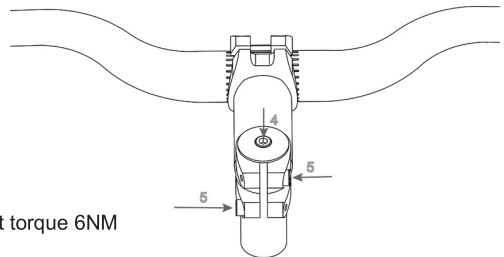
- 1) **Read all of the instructions carefully.** Be familiar with the proper operation of all items.
- 2) This quick guide is intended to list the steps needed to assemble your bike with some mechanical skills. It is not a complete manual or training. **If you do not feel comfortable or lack some of the skills to assemble it yourself, reach out to a cyclist friend, a local bike mechanic or one of our support technicians for guidance.**
- 3) Our QA mechanics have assembled and tested your bike beforehand.
- 4) To assemble your bike, work on a clean area with enough space to maneuver.
- 5) **If installed, remove the battery from the bike to start the assembly.**
- 6) Inspect the bike completely to be sure no damage occurred during shipping.
- 7) The kickstand is designed to support the bicycle only. Not the rider mounted.
- 8) You can adjust your saddle position and the tilt on your handlebar items for comfort.
- 9) Check all screws and parts are tight and properly fixed. We recommend a pre-trip inspection before your first rides.

Installing Your Handlebars

- 1) Point the headset towards the front of the bike.
- 2) Place the handlebar in the handlebar mount being careful with the wires.
- 3) Face the mounting brackets on the front end of the mount with the round edges facing outward.
- 4) Insert the screws into the screw holes and tighten **alternating** sides until secure (4mm allen wrench with 6NM tight torque).
- 5) Verify your front tire lines up with your headset.
- 6) Tighten screws on stem end (4mm allen wrench with 6N strength) and top of the stem (5mm allen wrench with 6-8N strength).
- 7) Check all headset items are tight.



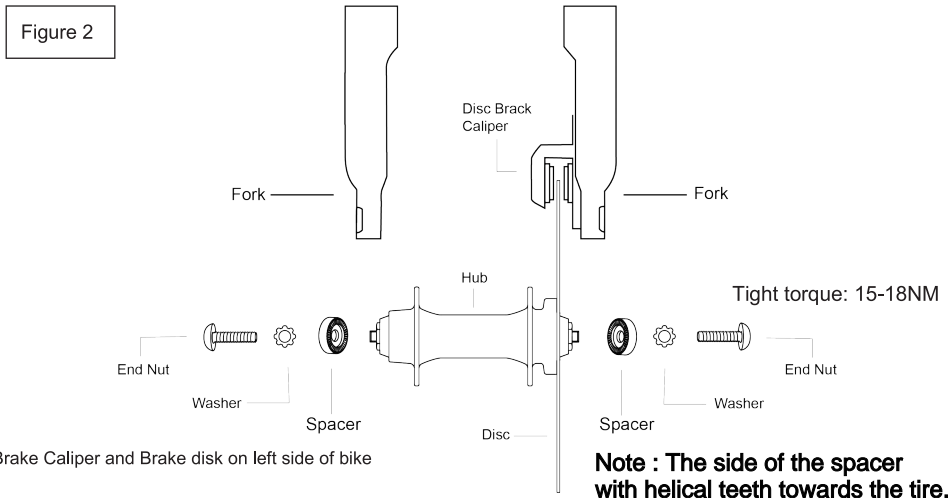
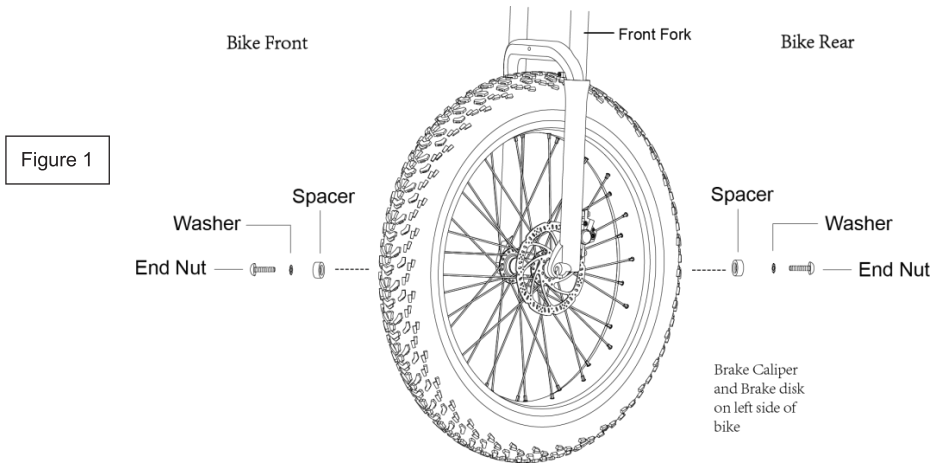
Screw 3: Tight torque 6NM



Screw 4: Tight torque 6-8NM
Screw 5: Tight torque 6NM

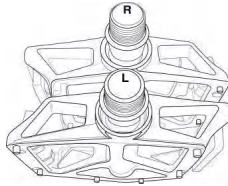
Installing Your Front Wheel

- 1) Insert the front wheel between the front fork on the bike. Be sure to align the disk between the brake caliper as shown in Figure 2.
- 2) Now on the outside add the spacer, washer and end nut on each side and hand turn until almost tight.
- 3) Using 5mm allen wrench, tighten each side end nut putting your weight into the wrench.
- 4) **The End Nut must be very tight, be sure to re-tighten after your first couple rides, its tight torque shall be 15-18NM.**

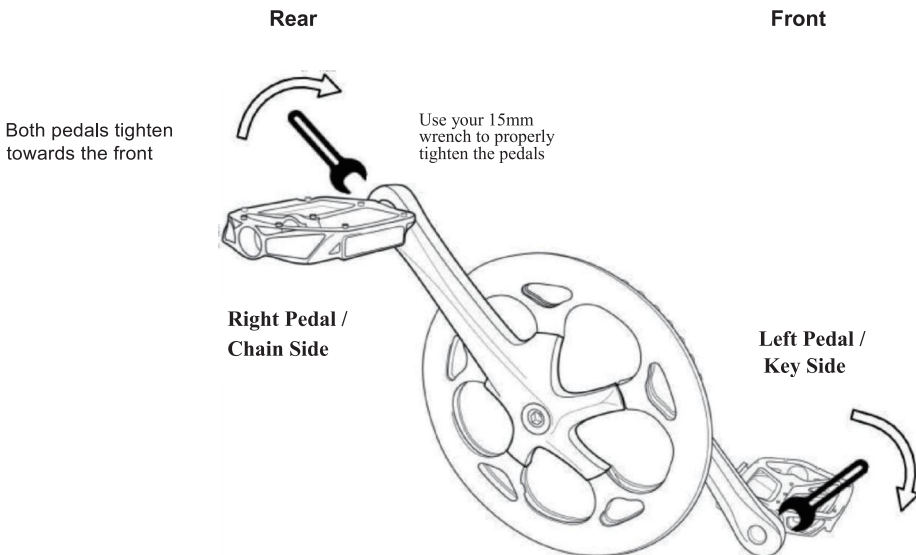


Installing Your Pedals

- 1) **Warning:** Incorrect installation will cause damage. Please read the instructions and watch our videos if needed.
- 2) Identify the Left and Right markings on the pedals. They can only be installed in their respective side.
 - a. L is for the Left Pedal and it goes on the Left Crank Arm.
 - b. R is for the Right pedal and it goes on the Right Crank Arm (Chain Side).



- 3) Sitting on your bike the pedals go on the Left and Right side respectively.
- 4) Keep the pedal Horizontal while hand screwing to get the thread started. Then Use your 15mm wrench to tighten them.
- 5) Both pedals tighten towards the front of the bike. The left pedal is **reverse threaded** to allow this.
- 6) **The pedals need to be very tight, be sure to retighten after your first couple rides.**

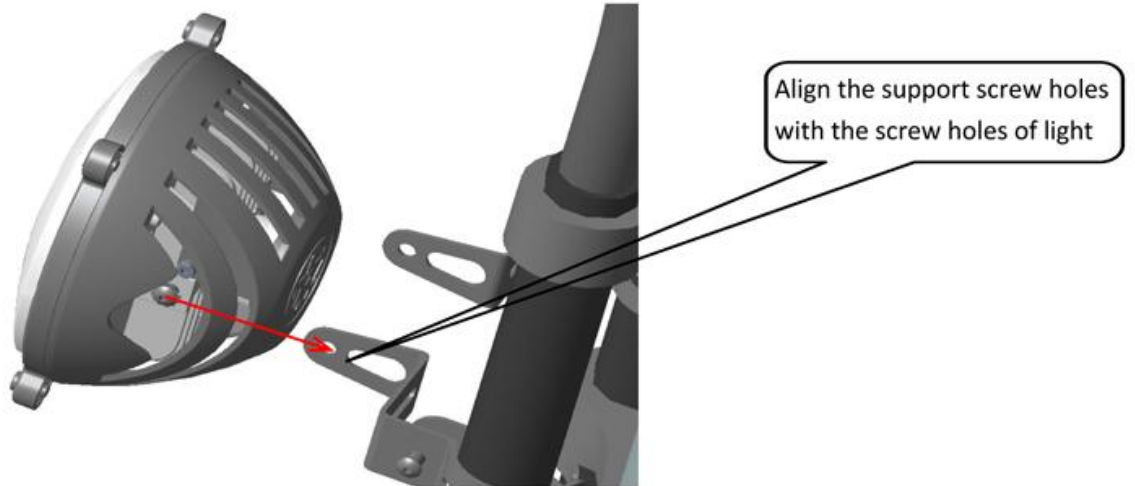


Wrench icon made by Gregor Cresnar from www.flaticon.com

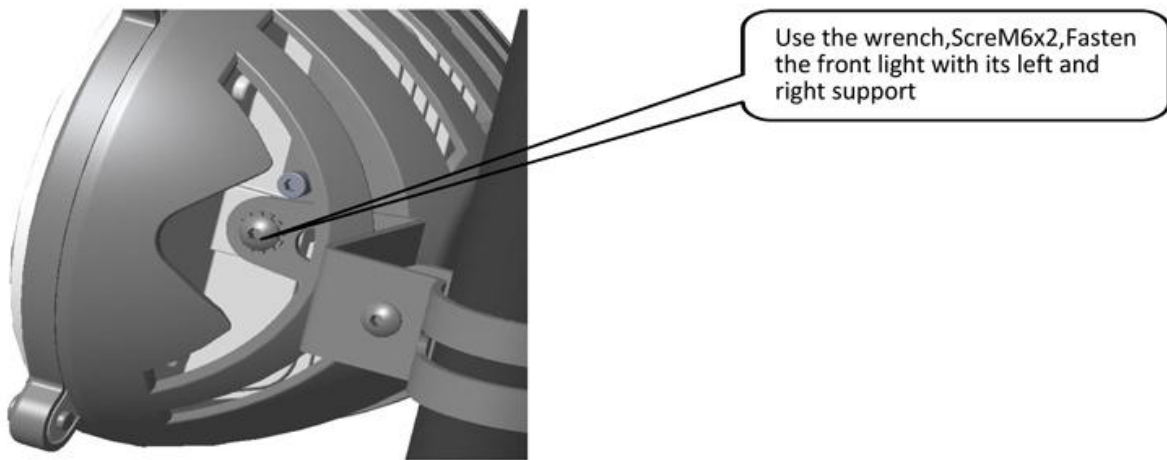
Front light installation instructions

Screw M6 x2 ,Hex Wrench x1

1. Release the screws on the light at first Align the support screw holes with the screw holes of the light.

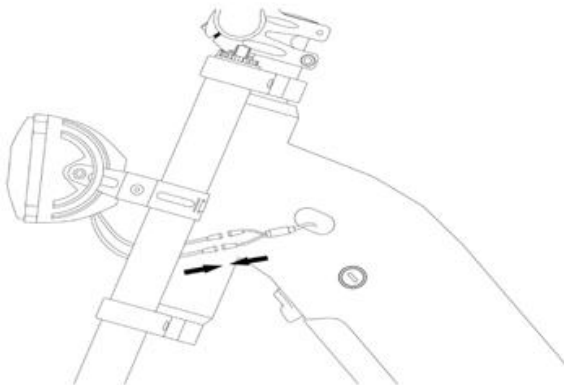


2. Use the hex wrench and ScrewM6 , fasten the front light with its left and right support, and then connect the two front light cable.



3. Connect the headlight cable with the wire coming out from the downtube.

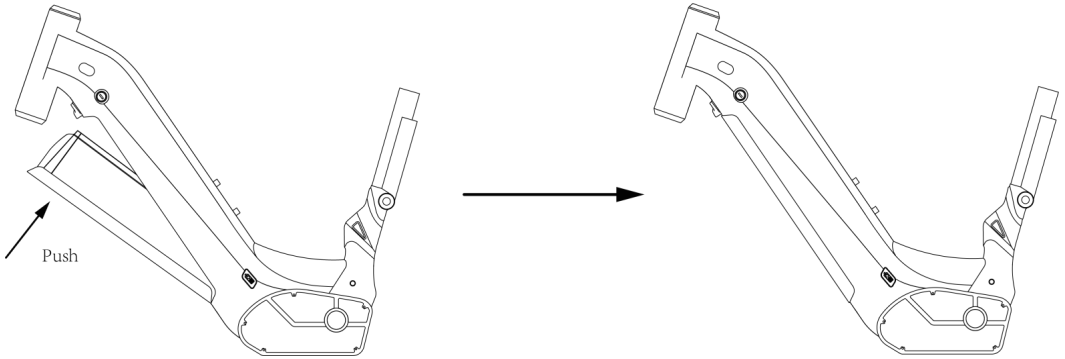
Note£ Headlight will be always on once power lock turns on.



Battery

To Install the Battery

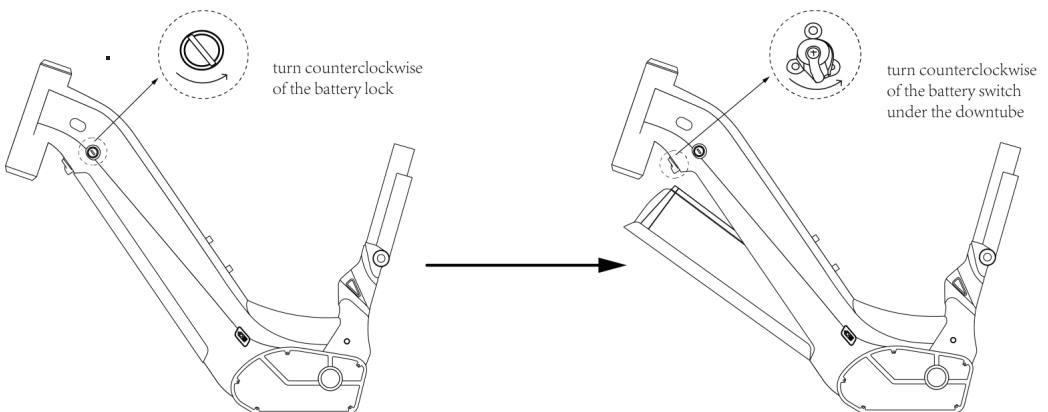
- 1) Turn the key counterclockwise to release the lock.
- 2) Seat the bottom of the battery into the receptacle first and push the upper side of the battery into the frame tightly until it gets locked with a clatter sound. Seat your battery securely, turn the key clockwise to lock the battery. **Remove the key from the lock before each riding.**



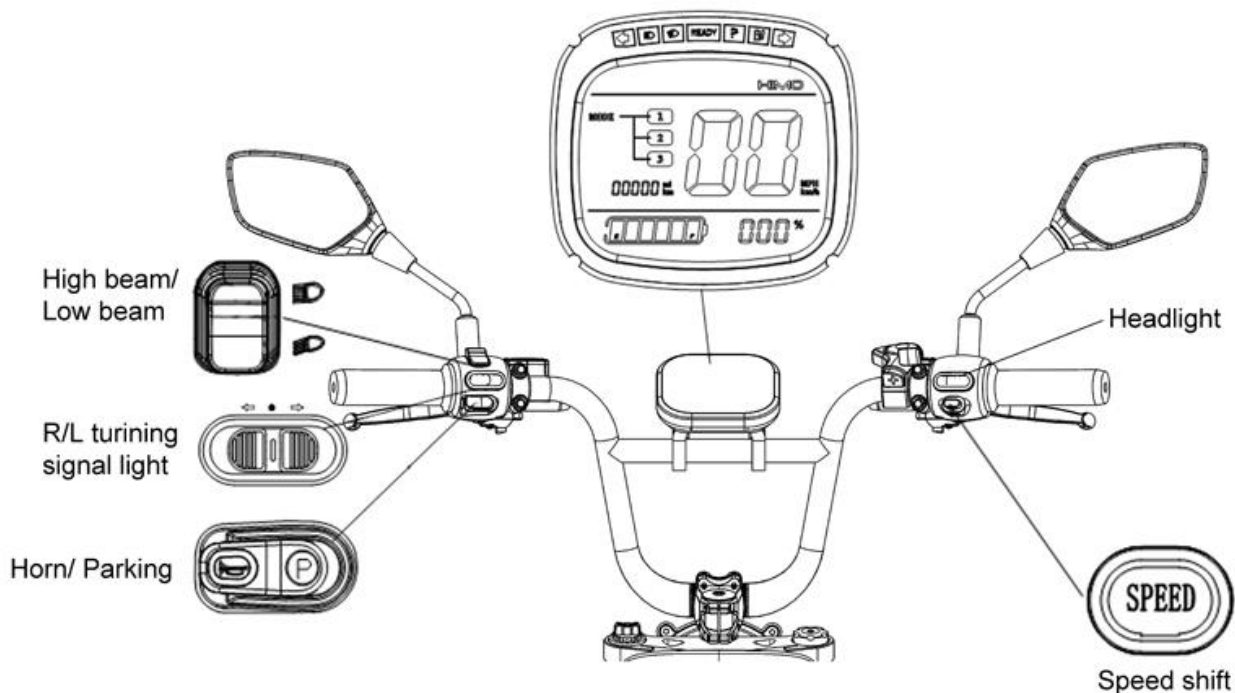
To Remove the Battery

- 1) Turn off the LCD display.
- 2) The battery is secured with a double-lock mechanism. Use the key to release the first lock.
- 3) Keep your left hand holding the battery. Use your right hand to turn the lock switch under the downtube counterclockwise and the battery will drop off. When the lock is released, hold the battery with both hands and take it off from the bike.

Note: Please hold the battery tight with one hand at least as it will drop off when the lock is released



Preparing for Riding



1. Turn on: Turn the key of Power Lock to ON position, power on the E-bike and the display will turn on.

2. Prepare for Riding

- 1) Firstly, ensure that the steering lock is released and no longer stuck.
- 2) There is a Power OFF function together with the kickstand, so before riding, the kickstand needs to be kicked off and then its switch released.
- 3) The button P on the left handlebar is the Parking button, press the "P" button, then release it. The display screen show "READY".
- 4) Everything is ready, then you can turn the throttle carefully, ride this E-bike Motorcycle.

Notes

- 1) Read all instructions carefully, be familiar with the proper operation of all items. Check for detailed information and guidance on our product page.
- 2) Warning: Basic electric precautions should always be followed to avoid issues or malfunction.
- 3) Charge your battery fully in preparation for your first ride.
- 4) Push the battery pack into the downtube tightly until it gets locked with a clatter sound. Seat your battery securely and remove the key from the lock.
- 5) Check all the tires, tightness of fasteners and brakes before every riding.

Display

1.Product name and model

Intelligent LCD display for e-bike;

2.Specifications

36V/48/52V power supply

- Rated working current 15mA
- Maximum working current 30mA
- Leakage current at power-off < 1uA
- Working current at the supply controller end 50mA
- Working temperature -10 ~ 60°C
- Storage temperature -30 ~ 70°C

3.Appearance



Fig.3-1 Picture of display

4. Function over view and functional area layout

4.1 Function over view

This display provides a variety of functions to meet the riding needs of users, including:

- Battery level indicator
- Speed
- Mileage display
- High beam / low beam indicator
- Turn indication
- Ready to ride status indicator
- Parking indicator
- Errorcode indication

4.2 Functional areas

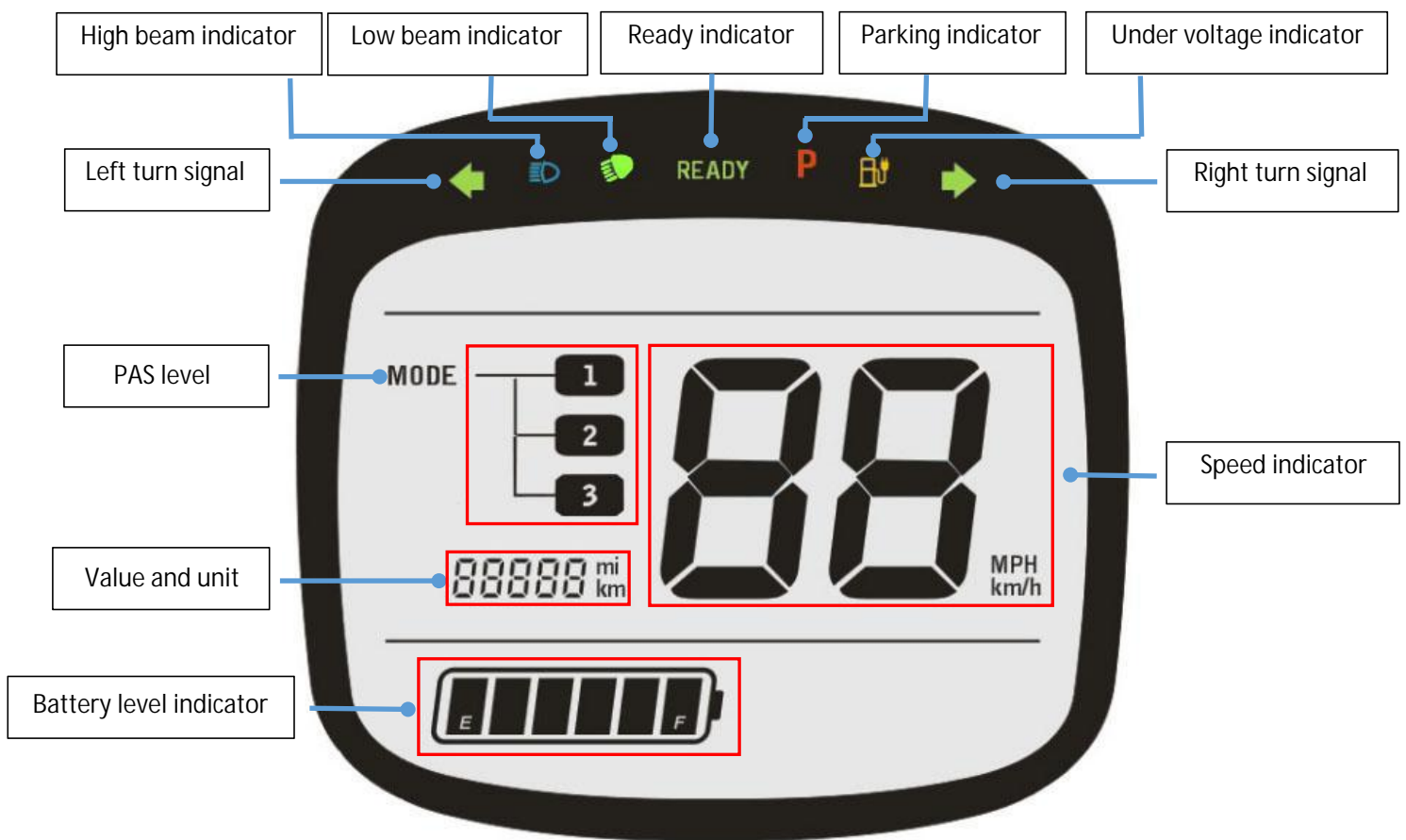


Fig.4-1 T1 functional area distribution interface

5. Routine operation

5.1 Power on/off

Power on the display and power on the controller. In the shutdown state, the display no longer uses the battery power supply, and the display leakage is less than 1uA.

5.2 Display interface switching

When the display is powered on, it will show the Current Speed(km/h) and Odometer(km).



Fig.5-1 Display interface switching

5.3 High beam/low beam indicator

The high beam / low beam is an external headlamp switch sent by the controller, and the instrument receives a signal to indicate that the headlamp is on.



Fig.5-2 High beam interface



Fig.5-3 Low beam interface

5.4 Turn in dicator

The whole vehicle is equipped with turn signal, and the display is also required to synchronously indicate , which is sent by the controller, and the display receives the signal to indicate that the headlight is on.



Fig.5-4 Left turn signal



Fig.5-5 Right turn signal

5.5 PAS level selection

Controlled by the controller, switch the power assist gear of the electric vehicle to change the output power of the motor.

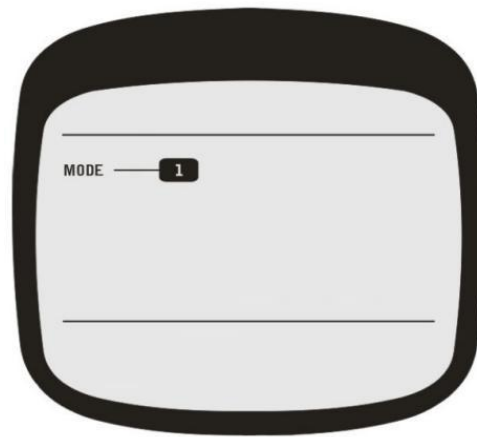


Fig.5-6 PAS level interface

5.6 Battery level display

The Battery level is shown as 6 bars. When the battery is full charged, all of the 6 bars lighten up. When the battery is fully depleted, the bar will begin to flash, warning the user to charge the battery as soon as possible.

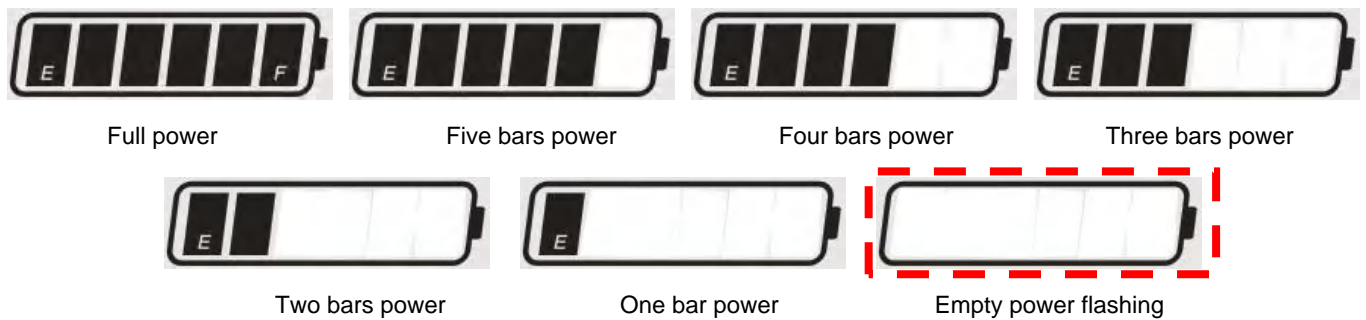


Fig.5-7 Battery level display interface

5.7 Ready and Parking

The vehicle's riding status and parking lights will not light up at the same time. When the vehicle lowers the car ladder, the parking indicator (P) light will light up, and the "ready" light will go out. When the car ladder is raised, the "ready" light will light up, and "P" will go out.



Fig.5-8 Ready interface



Fig.5-9 Parking interface

Charging

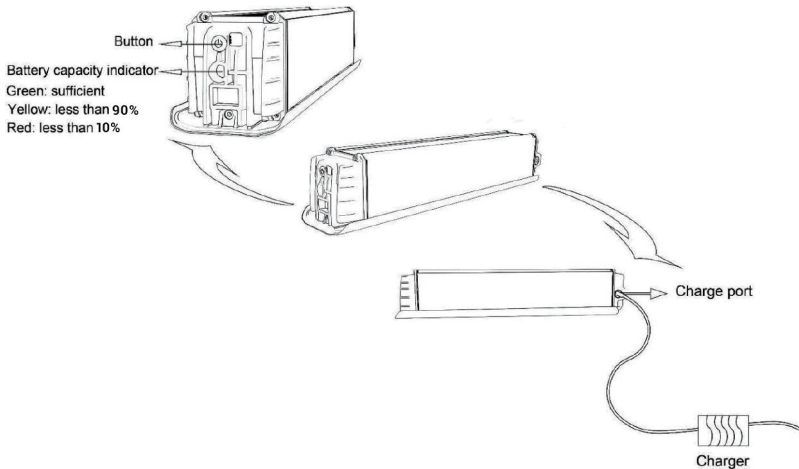
There are two ways to charge your battery.

1. Charge the battery **ON** the bike

- 1) Find the Charge Port at the bottom of the downtube.
- 2) Pull out the cover to show the charge port and insert the charger output plug into the port. Connect the input plug to the power supply.

2. Charge the battery **OFF** the bike

- 1) Take off the battery from your bike.
- 2) Place the battery in a clean and flat place in room temperature.
- 3) Insert the charger output plug into the charge port. Connect the input plug to the power supply.
- 4) There is a capacity indicator at the top of the battery. Press the button beside to check the charge status. Green means sufficient of charge. Yellow means less than 90%. Red means less than 10%.



Notes of Charging:

- 1) Charging time varies from 8 to 10 hours. Never charge a battery for more than 12 hours at a time.
- 2) The small LED light on the charger in RED indicates it is in charge; The small LED light on the charger in GREEN indicates it is fully charged.
- 3) Insufficient charging will not influence the battery lifecycle. AVOIDING deep discharge is helpful to protect the battery and extend its lifecycle.
- 4) If the battery will not be used for a long period, take it off from the bike and discharge its capacity to 60%-80% for stock. Disconnect it from the charger and place it in a dry, ventilated place without direct sunlight. **In order to maintain a long lifecycle, it is recommended to charge the battery every two months** even when it is in static without use.
- 5) Pay attention to check whether the surface temperature of the battery case rises too high during charging. It is FORBIDDEN to cover the battery during charging.
- 6) Due to high temperature in summer time, it is NOT advisable to charge it immediately after riding. In winter, it is **FORBIDDEN** to charge the battery in environment below 0°C. You are recommended to charge it in room temperature.

Trouble shooting

Error Codes

Usual protocol 1 and protocol 2 error codes				
Error code	Error		Error code	Error
E001	Controller Fault		E004	Throttle Fault
E002	Communication Fault		E005	Brake Fault
E003	Motor Hall Signal Fault		E006	Motor Phase Line Fault

Solutions

SYMPTOMS	CAUSES	SOLUTIONS
Throttle and pedal assist not working	● Battery off	● Turn on battery
	● Battery installation	● Reseat battery
	● LCD display not on	● Turn on LCD display
	● Discharged battery	● Charge battery
	● Brake sensors engaged	● Inspect brake lever
Reduced speed	● Low battery power	● Charge battery
Reduced battery range	● Low battery power	● Charge battery
	● Low tire pressure	● Inspect tire
	● Heavy load on bike	● Adjust bike load
	● Driving on rough terrain	● Adjust route
	● Using throttle only	● Include pedal assist
Battery does not charge	● Charger not properly connected	● Inspect connections
	● Battery temperature	● Read the user manual for best practices
	● Damaged charger	● Replace charger
	● Issue with battery	● Contact Support Team
E-bike making strange noises	● Loose hardware	● Tune-up and inspection needed
	● Issue on drivetrain	● Maintenance needed
	● Issue with motor	● Contact Support Team



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