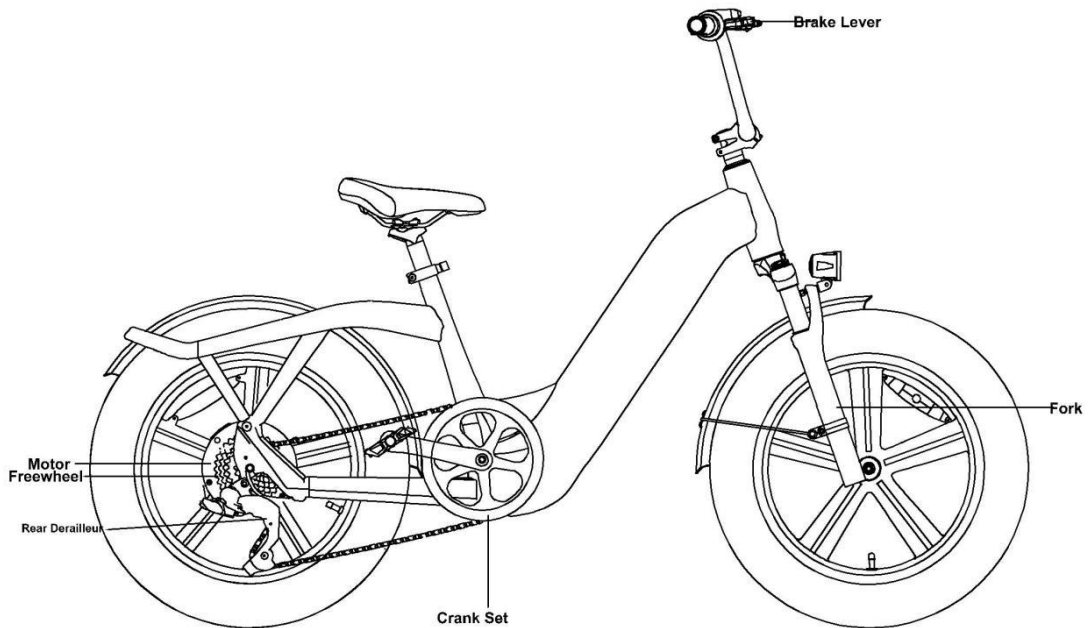
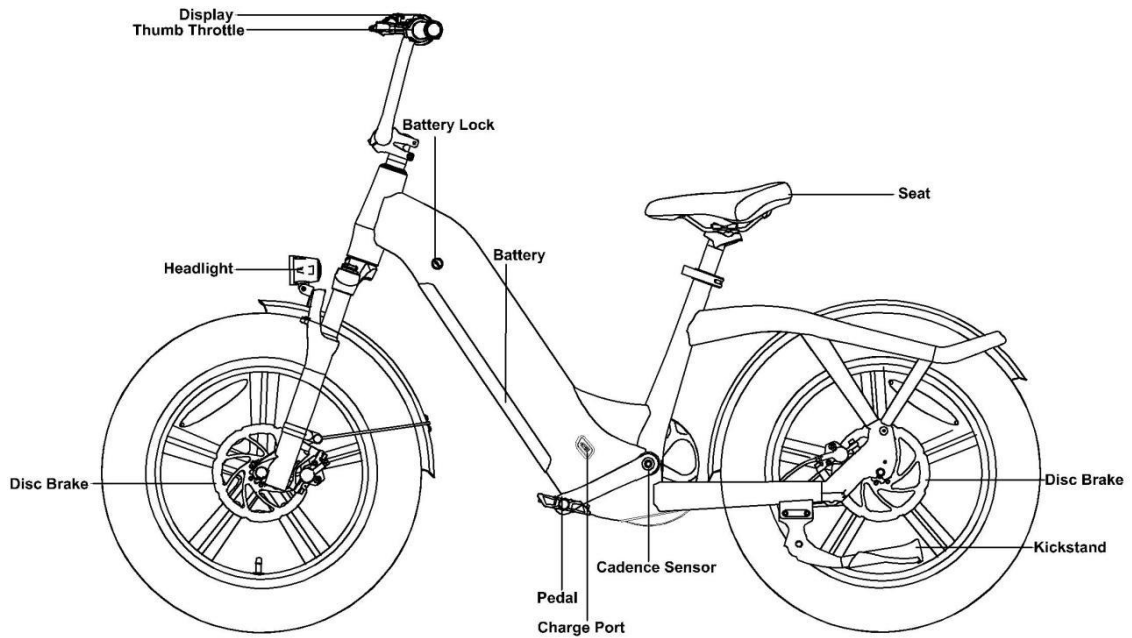


Instructions to Set Up Your VELOWAVE PONY

Diagram





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
- ✓ Inflate the tires properly
- ✓ Check that all screws are properly torqued
- ✓ Carry out a fine adjustment of the gears and brakes
- ✓ Learn how to use the LCD display
- ✓ Wear a helmet before riding

Please Note: Your bike may need further adjustments after assembly.

If you have any trouble with setup, please contact us online or through our email address: support@velowavebikes.com

Please always include your order ID when reaching out to us.

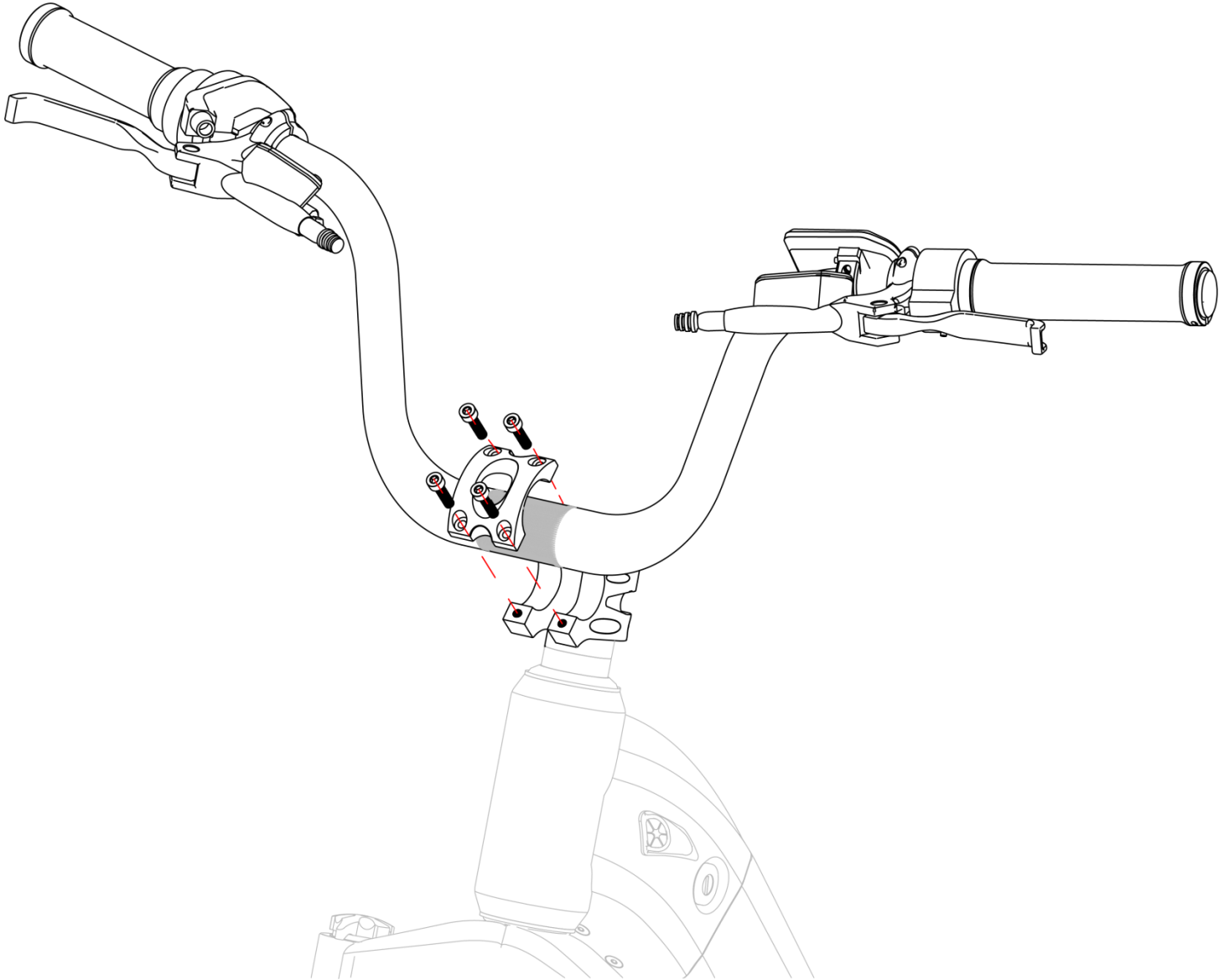


Assembling Your E-Bike

- 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) Place the handlebar in the handlebar mount being careful with the wires.
- 2) Face the mounting brackets on the front end of the mount with the round edges facing outward. Adjust the handlebar angle to your comfortable riding posture.
- 3) Secure the mounting brackets with four screws. (4mm allen wrench with 6N strength)
- 4) Verify your front tire lines up with your headset.
- 5) Check whether all headset items are tight.



Installing Your Front Wheel

- 1) Insert the axle into the wheel hub as shown. Add the Slim Spacer on the **LEFT** side (Brake Disk), the Wide Spacer and one washer on the **RIGHT** side.
- 2) Insert the front wheel in between the front fork on the bike. Be sure to align the disc between the brake caliper as shown in Figure 2. Balance the length of the axel at the left and right side of the fork to make room for the washers and nuts.
- 3) Add washer and adjust nut on the two ends of the axel and hand turn until snug.
- 4) Using your wrench, tighten each side alternatively until snug (you might need to secure the opposite nut slightly so the whole axle doesn't turn).
- 5) Now tighten each nut putting your weight into the wrench. Your front wheel is now installed.
- 6) **The Adjustment Nut needs to be very tight, be sure to retighten after your first couple rides.**

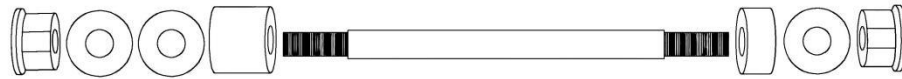
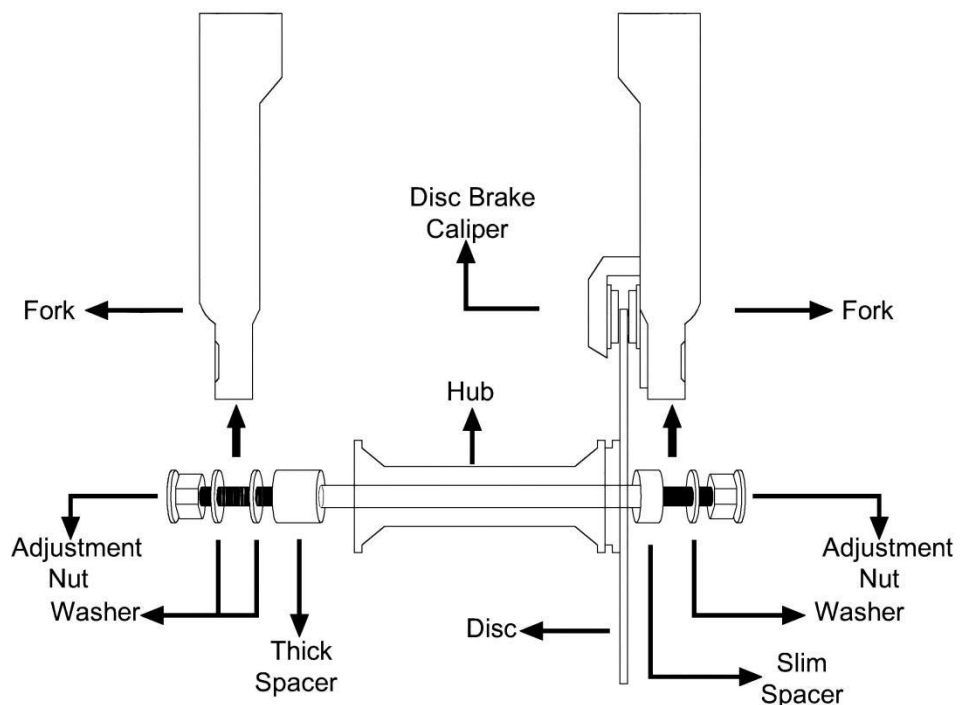


Figure 1

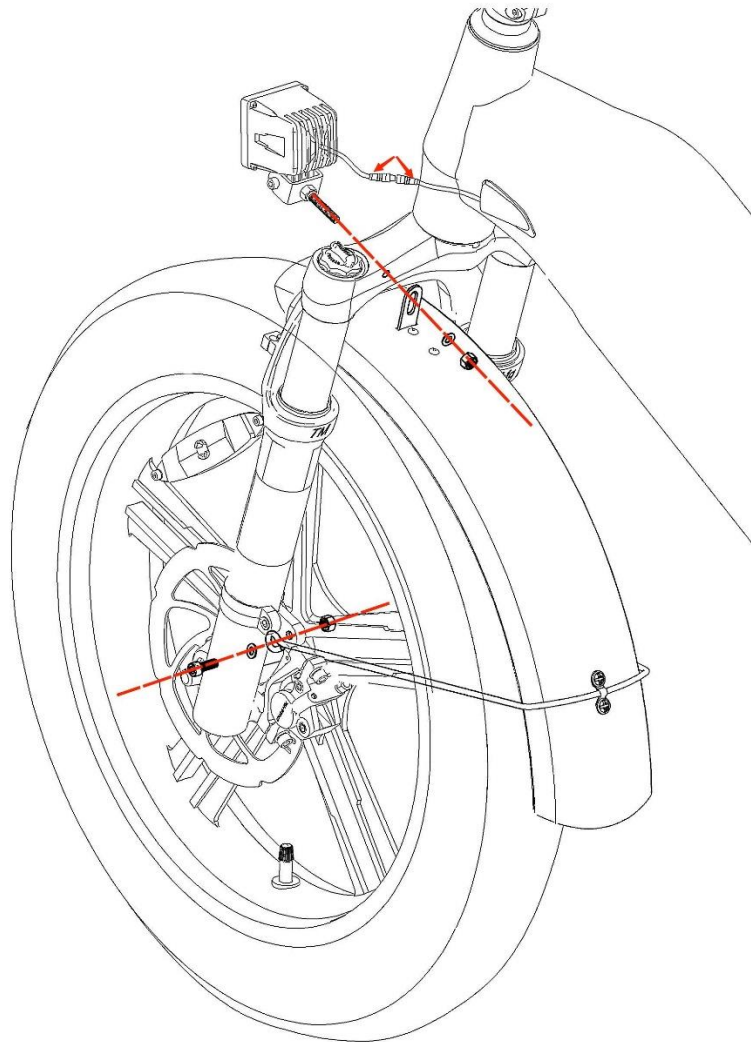


Figure 2



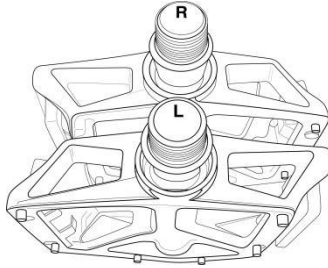
Installing Your Front Fender and Headlight

- 1) Place the headlight bracket in front of the fork gantry. Put the fender's top bracket behind the fork gantry. Thread the screw in sequence through the headlight bracket, the fork gantry and the fender bracket and secure with a washer and screw nut.
- 2) Connect the headlight cable with the wire coming out from the downtube.
- 3) Connect the fender holder with the bracket on the fork leg and secure with screw and nut.

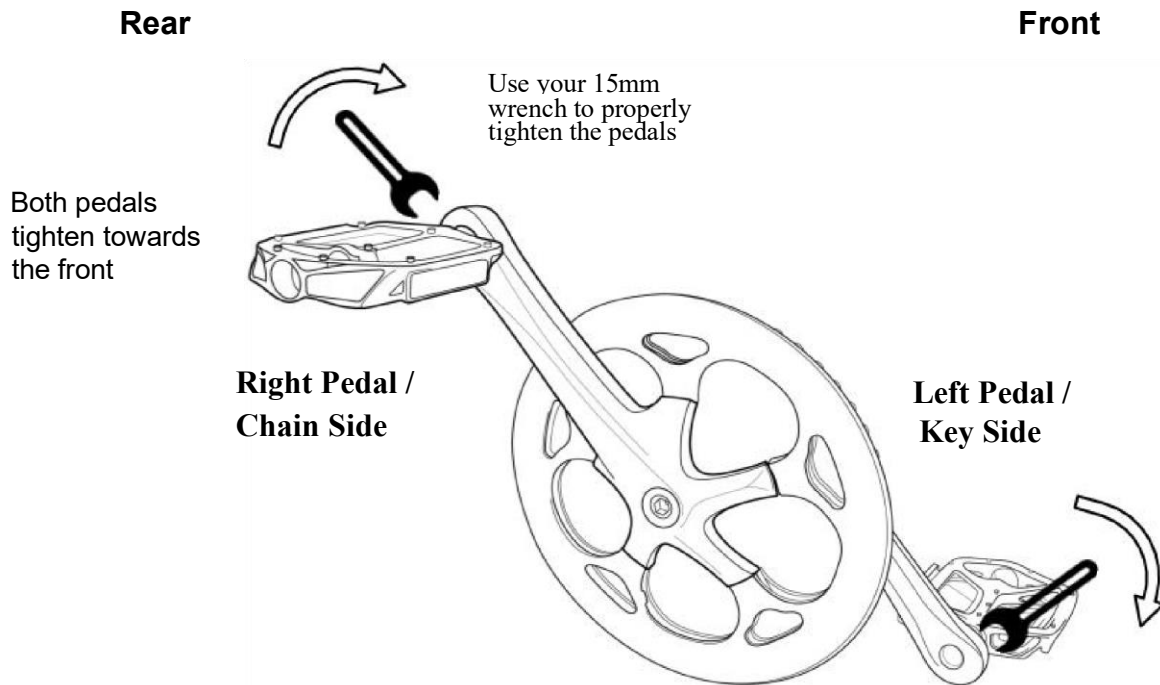


Installing Your Pedals

- 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 (at least 25-35N.m torque), be sure to retighten after your first couple rides.**



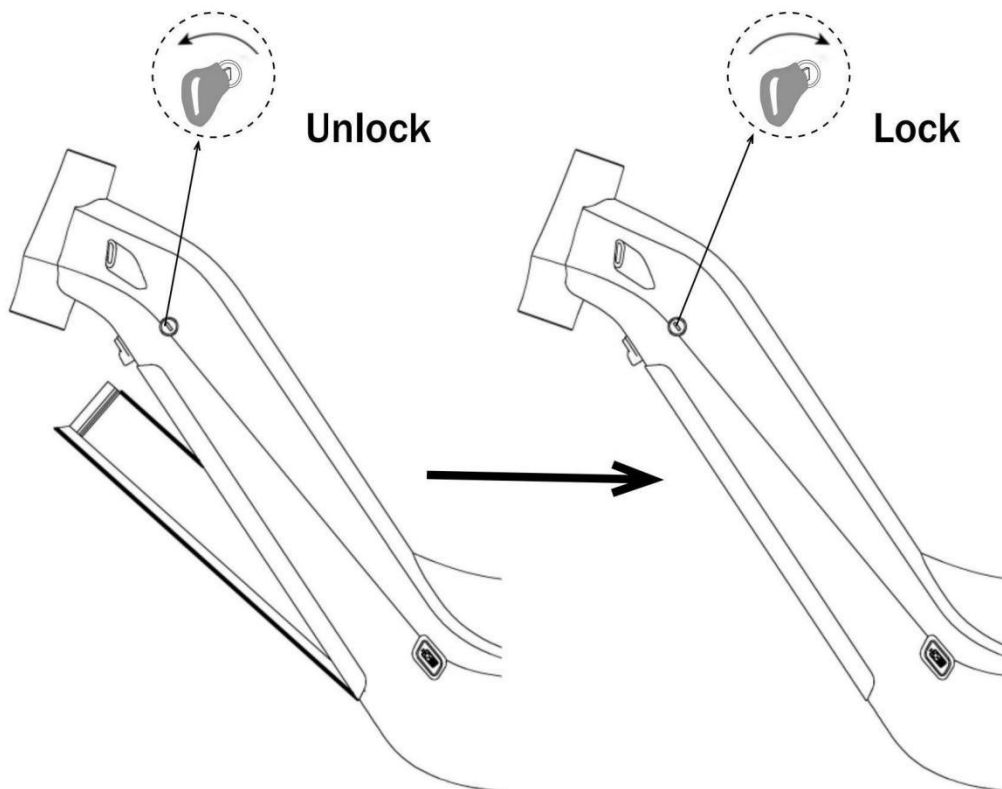
Preparations Before Riding

- 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.

Installing and Removing the Battery

To Install the Battery

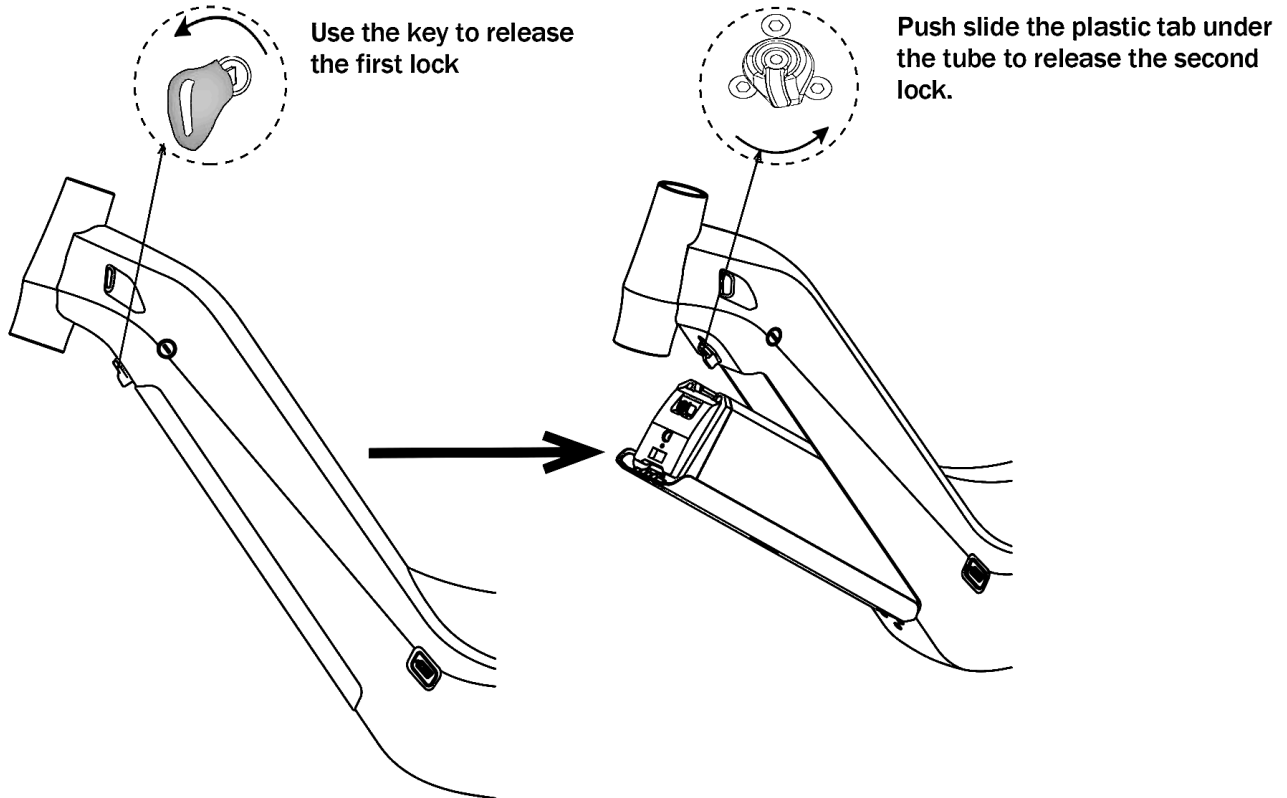
- 1) Turn the key counterclockwise to release the lock.
- 2) Seat the bottom of the battery into the receptacle first and push the upper side of the battery into the frame tightly until it gets locked with a clatter sound. Seat your battery securely, turn the key clockwise to lock the battery. Remove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



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. Push slide the plastic tab under the tube to release the second lock.


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



How to Use the Display



1) Power on/off

Press the  button to turn on the display. Your bike will be **ON**. Press again to turn it off. The display will automatically shut down when there is no operation or riding for 5 minutes.

2) Adjust the assist level

Short press “+” or “-” button to change the assist level from 0 to 5. 0 is without assist. 5 is the max assist level.

3) Headlight

If your bike is installed with a headlight, press and hold “+” button for 1 second to switch on or switch off the headlight.



4) Walking mode

Press and hold “-” button for 2 seconds to shift into walking mode, the display indicates P and the bike will be propelled at walking pace. Release the button to exit the walking mode.

5) Information menu

Press the  button for 1 second to shift into information menu, it will show TRIP, ODO and TIME.

6) Parameter setting menu

With the display powered on, if you quickly press the  button twice, it will shift into the parameter setting menu. Users are NOT supposed to change the factory default settings. You may exit by quickly pressing the  button twice again or leave it without operation for 30 seconds.

How to Charge Your Bike

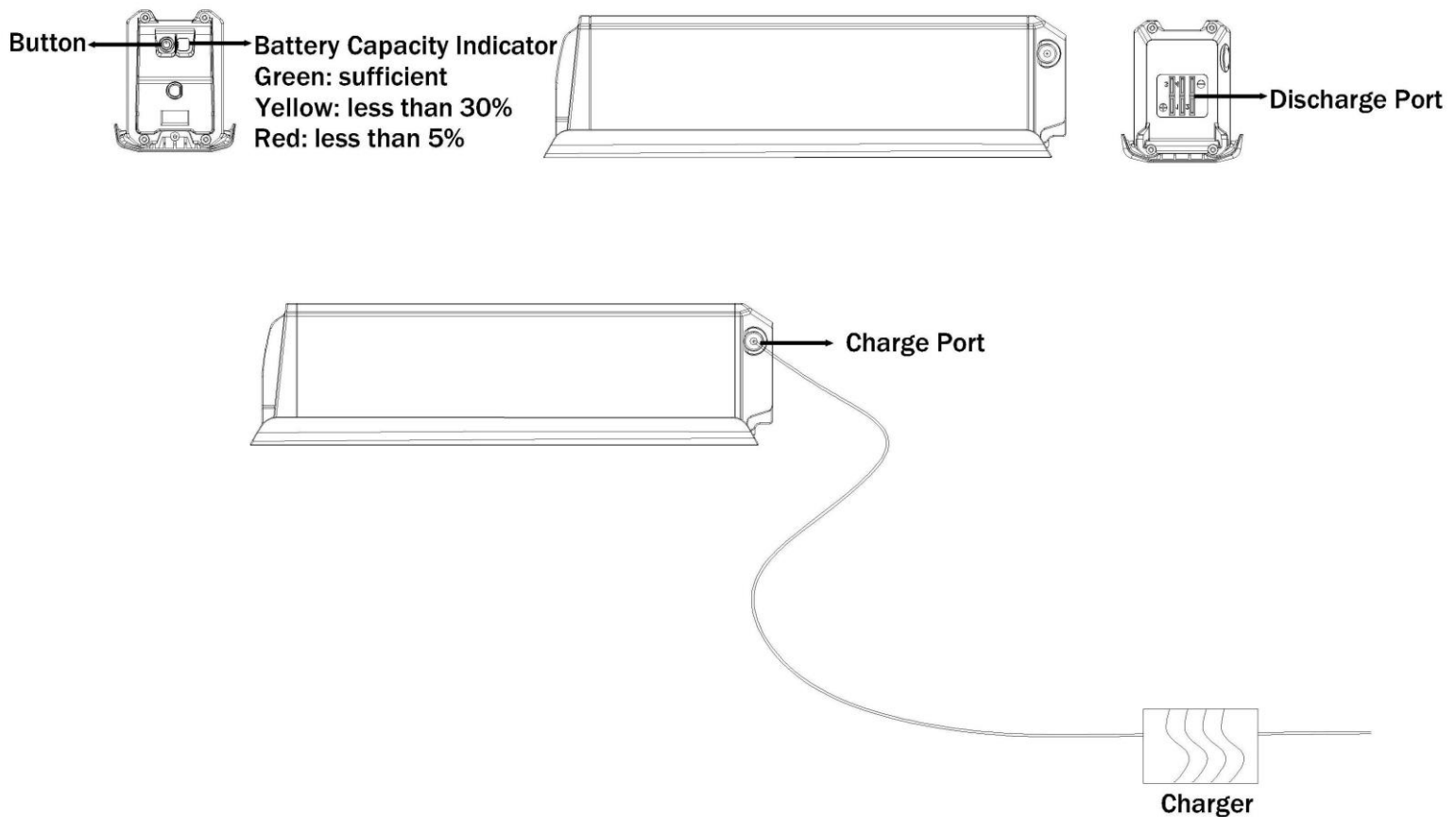
There are two ways to charge your battery.

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. 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 30%. Red means less than 5%.



VELOMAVE



Do not leave a charging battery unattended. Never charge a battery for more than 12 hours at a time. Failure to follow battery charging best practices could result in unnecessary wear to the charging components, battery, and or charger, and could lead to an under-performing or non-functional battery and replacement will not be covered under warranty.

Notes of Charging:

- 1) Charging time varies from 8 to 10 hours with a standard 2A charger.
- 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) 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.
- 5) 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.
- 6) 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.

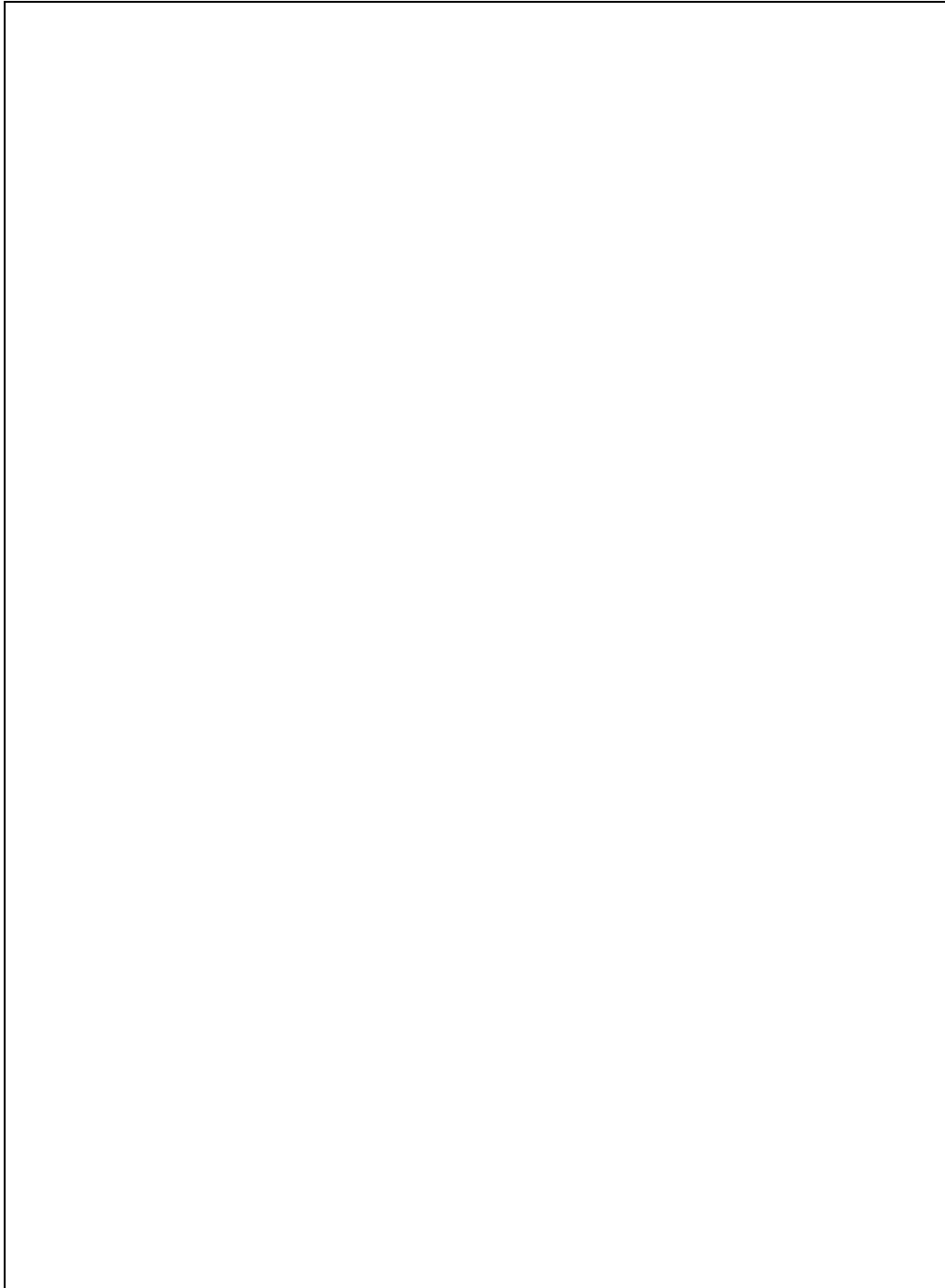
Error Code

Error Code	Error	Notes
03	Braked	Brake is in braking state. Check and make sure the brake lever is not stuck at braking. Change the brake lever if it doesn't recover.
04	Open Throttle Fault	Throttle has not returned to the start-up position. Check if the throttle gets stuck. Try to return the throttle to the start-up position.
05	Throttle Fault	Throttle may be damaged. Check if the cable or throttle is damaged.
06	Low Voltage Protection	The battery voltage is too low to operate. Please charge the battery properly.
07	Over Voltage Protection	The battery voltage is too high to operate. Check if incorrect battery is used on the bike.
08	Motor Hall Signal Fault	The motor's hall sensor wire has been disconnected or damaged. Try to disconnect and reconnect the motor cable and check if it recovers. If not, contact technical support for help.
09	Motor Phase Line Fault	The motor's phase wire has been disconnected or damaged. Try to disconnect and reconnect the motor cable and check if it recovers. If not, contact technical support for help.
10	Motor High Temperature Fault	The motor has reached the highest allowable temperature. Allow the motor to cool down before using the e-bike again.
11	Motor High Temperature Fault / Motor Temperature Sensor Fault	Allow the motor to cool down and check if it recovers; The motor's temperature sensor has become disconnected or damaged. Contact technical support for help.
12	Controller Current Sensor Fault	The controller's current sensor has become disconnected or damaged. Re-start to check if it recovers. Contact technical support for help.
14	Controller High Temperature Fault	The controller has reached the highest allowable temperature. Allow the controller to cool down before using the e-bike again.
15	Controller Temperature Sensor Fault	The controller's temperature sensor has become disconnected or damaged. Contact technical support for help.
21	Motor Speed Sensor Fault	The motor's speed sensor has become disconnected or damaged. Check if the motor cable is loose. Disconnect and re-connect the cable. If it doesn't recover, contact technical support for help.
27	Controller Over-current Protection	Current is higher than controller's maximum acceptable current value. Contact technical support.
30	Communication Fault	Poor connection between the controller and the display. Check all cable connectors. Check for corrosion damage.
35	Controller 15V Conversion Module Fault	The current of conversion module inside the controller is lower than 15V. Conversion module fault. Contact technical support.

Basic Trouble Shooting

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

Label of Your VELOWAVE

A large, empty rectangular box with a thin black border, intended for the user to provide a label for their VELOWAVE product.

VELOWAVE

To find out more, please visit our website at

www.velowavebikes.com