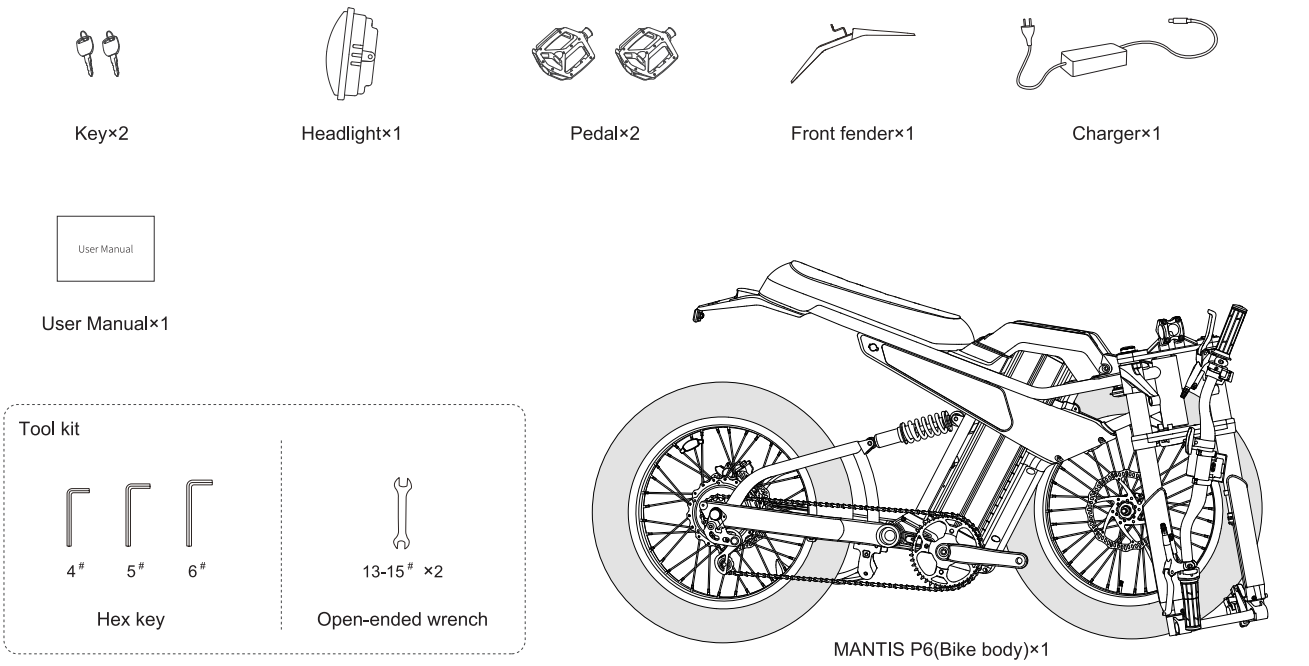


ELECTRIC BICYCLE USER MANUAL

Applicable Models: MANTIS P6

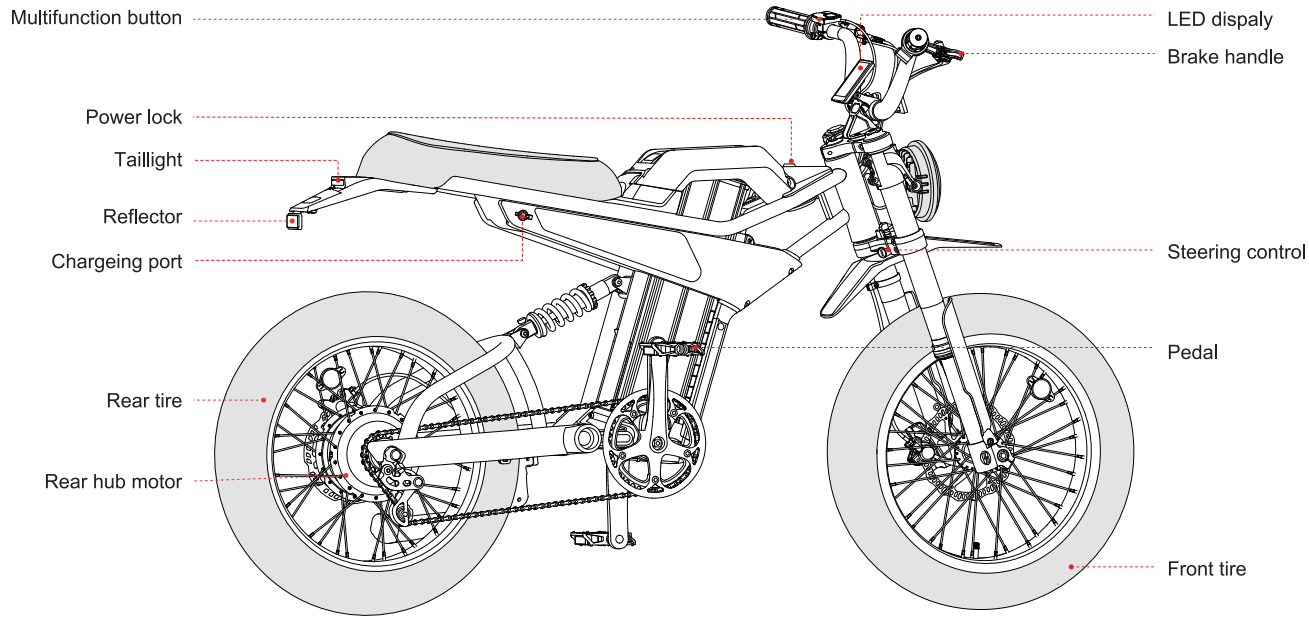
Tips:
Please read all product manuals carefully before riding. Please keep it properly after reading.
Please do not use an electric bicycle before you understand its characteristics.

Accessories



△ Please carefully check whether the items in the packaging box are complete and intact. If there are any missing or damaged items, please consult your dealer.

Parts description



Product specifications

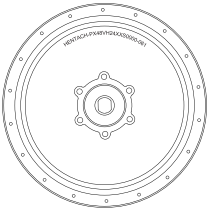
Types	Parameters	MANTIS P6
Information	Size	69*28.4*41.8 inches
	Weight	88.2 lbs
Configuration	Payload Capacity	400 lbs
	Sensor	Torque sensor
	Brake(Front/Rear)	Front and rear oil brakes, 180mm
	Shock absorption (Front/Rear)	Front: Inverted oil spring front fork / Rear: 200L1200lb oil spring shock absorber
	Tire(Front/Rear)	20*4.0 Inch
	Speed	28+ Mph
	Range	Up to 80 Miles
	Battery	47.19V 19.6Ah removable lithium battery
	Motor	Rear hub motor 750W 85N.m
	Climbing Angle	25°
Lighting	Headlight	LED headlights, daytime running lights / Low beam / High beam
	Taillight	Red LED position light / Brake light
Charger	Voltage	54.6V 4.5A
	Charging time	4-5h

*Mileage: Measured at full power, 85kg load, standard tire pressure, and vehicle speed of 25km/h. The battery life of the product is related to factors such as load bearing, temperature, speed, road surface, etc.

Motor code

HENTACH-PX48VH24XXS0000-061

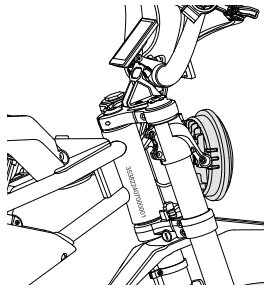
HENTACH: Company initials
PX: PXID
48V: Voltage
H: 20 inches
24XX: Order year, month
S: Motor model
0000: Serial number
061: Drawing number



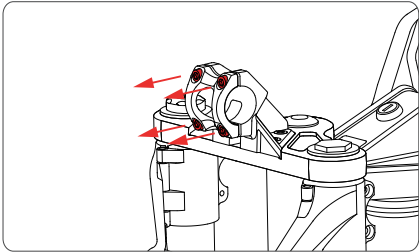
Frame number

3538 2 2407 000001

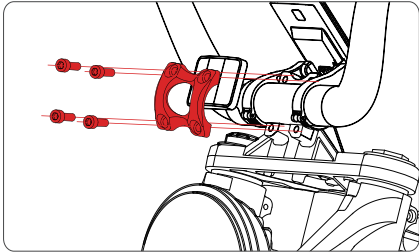
3538: Enterprise code
2: Electric bike
2407: Date of production
000001: Serial number



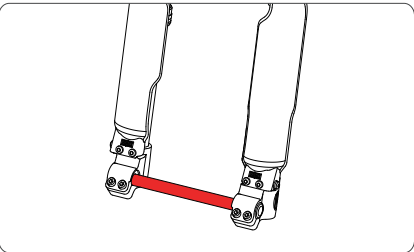
Installation Instructions



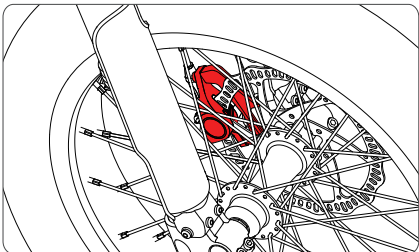
1. Use a 5# hex key to unscrew the four screws on the pressure block assembly.



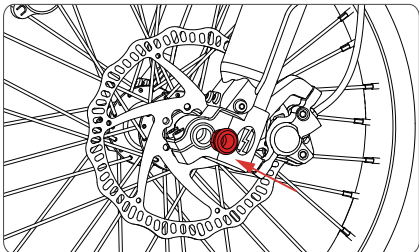
2. Align the screw holes and screws of the handlebar assembly and pressure block, and tighten the screws with a 5# Hex Key.



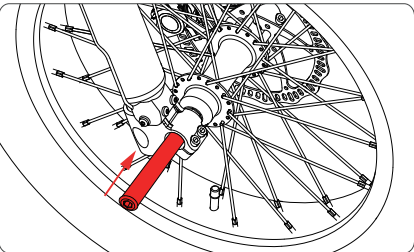
3. Use the 6# hex key to remove the front fork guard rod.



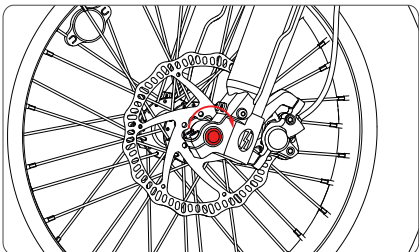
4. Put the tire in the correct direction. Ensure the disc brake is aligned with the slot.



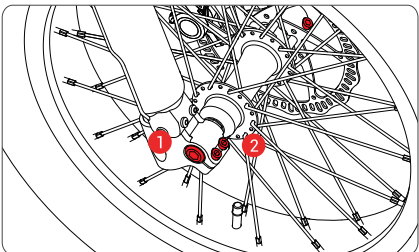
5. Place the screws as shown.



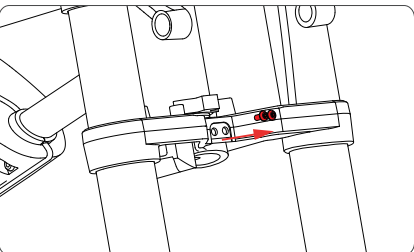
6. Insert the through axle into the hub as shown in the figure on the right.



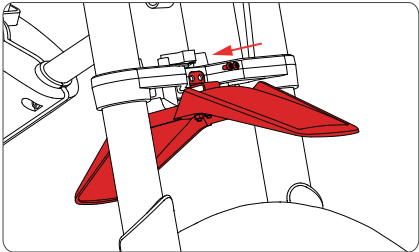
7. Turn the screw in and press it until it goes inside the groove.



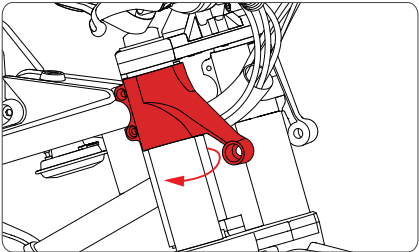
8. Use 6# and 5# hex key to tighten the screws marked ① and ② respectively. Rotate the tire to check for any noise from the brake disc.



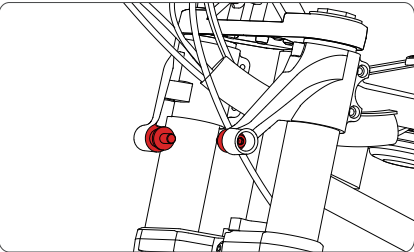
9. Remove the screws as shown below with 4# hex key .



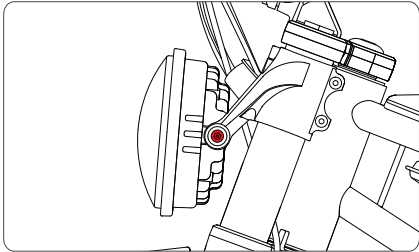
10. Place the front fender as shown in the figure above and tighten with 4# hex key.



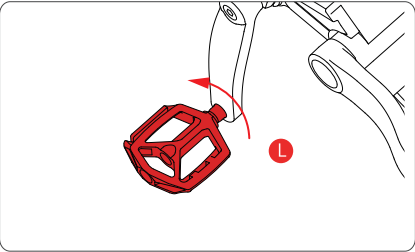
11. Use a 5# hex key to loosen the screw and rotate the headlight bracket outward.



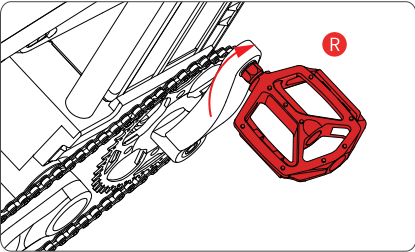
12. Place the spacer and screw into the holes on both sides of the headlight.



13. Use a 6# hex key to tighten the screws. After the headlight is installed, connect the power cords of the same color.

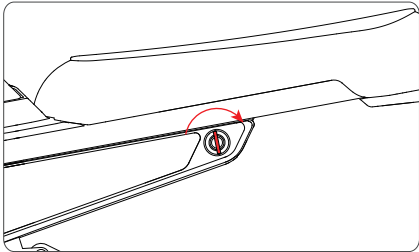


14. First distinguish the left and right pedals, and tighten the left pedal counterclockwise.

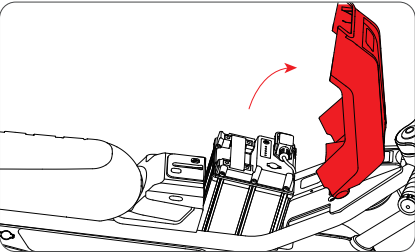


15. Slowly turn the pedal in clockwise by hand, and then tighten it with a 13-15 open-end wrench after confirming it is correct.

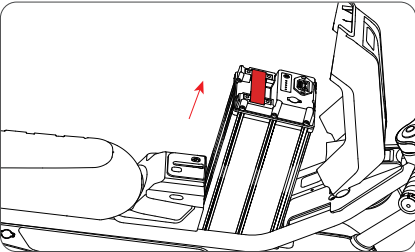
Battery removal method



1. Unlock the battery lock by inserting the key and turning it to the right.



2. Lift the battery cover as shown in the figure above.



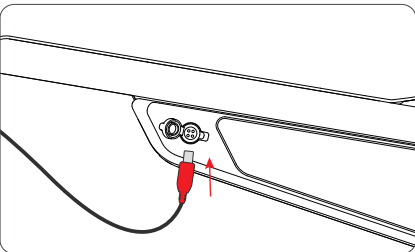
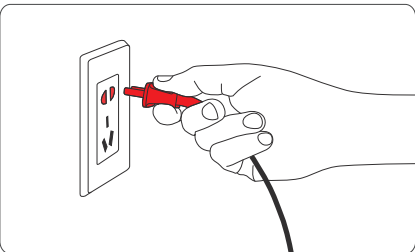
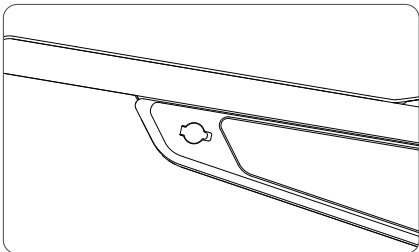
3. To remove the battery, grab the battery handle and pull it up.

Battery instructions

Due to battery self-discharge during transportation and storage, it is normal for the battery to be low or no battery when used for the first time. Please charge according to the following steps. You can choose between external charging (removed battery) or in-vehicle charging.

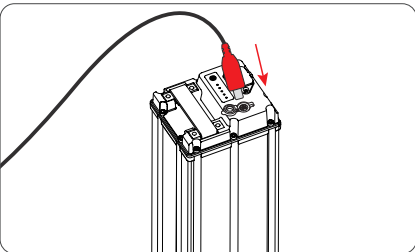
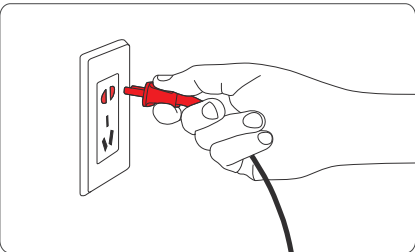
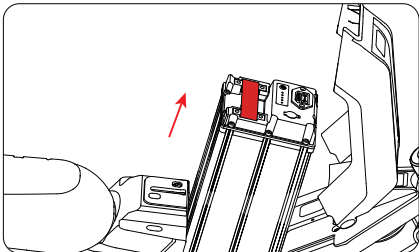
a. Whole vehicle charging

Locate the charging port on the right side of the vehicle body and open the rubber plug of the charging port. First, connect the charger to the power supply, then plug the other end of the charger into the vehicle's charging port. After charging is complete, close the rubber cover.



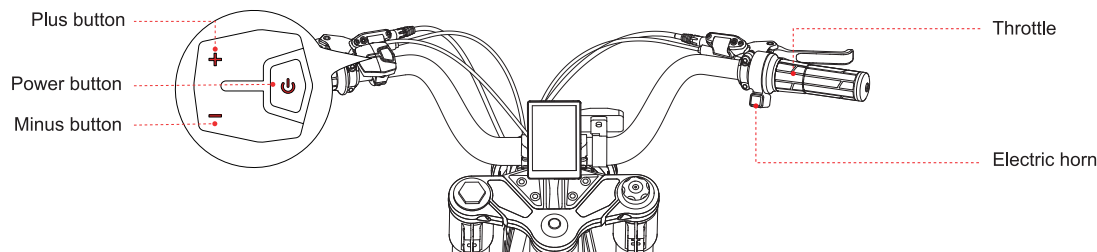
b. External charging

Remove the battery and open the rubber cover of the charging port. First, connect the charger to the power outlet, then plug the other end of the charger into the battery's charging port. After charging is complete, close the rubber cover.



*The red light on the charger stays on to indicate that it is charging, and the green light stays on when charging is completed. Please unplug the charger promptly after charging is complete.

Head combination switch



	Power button	Long press the "⏻" button, the meter is powered on, under this state, long press the "⏻" button to power off the system.
	Plus button	Long press the "+" button to activate the headlight indicator on the screen lights up and the controller will turn on the light. Long press the "+" button, the controller will turn off the light.
	Minus button	When the car body is stationary, press the "-" button for a long time to display the dynamic boost identifier, indicating that it enters the boost mode. Release the "-" button to exit the boost mode. In the boost mode, the boost sign is displayed dynamically, the vehicle speed is less than 6km/h. The boost state stops when the "-" button is released. In 5 seconds of static boost, no button can be pressed to automatically set to 0.

Substitute "long press" for "press the button longer than 2.5s" and substitute "click" for "press the button shorter than 0.5s".

1. Imperial and metric unit conversion
Enter the "Display Setting" menu, select "Unit", and press "⏻" to enter the settings. Use the "+" or "-" keys to move the cursor and select "km/h" or "mph". Press "⏻" to save and return to the "Unit" menu. Exit to the main screen by selecting "Back"→"Exit".

Note: The default unit is imperial. When set to metric, all information on the main screen is displayed in metric units, the same applies to imperial.

2. Selection of power-assisted gears
After power on, click "+" button or "-" button to switch the gear and change the motor output power. Default gear of meter is 0-5 (or according to order requirement), gear 0 is without assistance, gear 1 is the minimum power, gear 5 is the maximum power. When powered on, the default gear is 0.

Display



Error code meaning sheet

Error code	Failure type	Error code	Failure type
ER04	Handle fault	ER11	The motor temperature sensor is faulty
ER05	The twist grip is not returned	ER14	The temperature of the controller reaches the protection point
ER08	Motor hall fault	ER15	The temperature sensor of the controller is faulty
ER09	Motor phase line fault	ER30	The communication with the controller fails
ER10	The motor temperature has reached the protection point		