

Chongqing Charming Motorcycle Co., Ltd.



This instruction manual is applicable to CHAMP Electric Vehicle

Before using this product, please read the instruction manual carefully and do not use this product until you understand the performance of this product. Please keep this instruction manual properly .



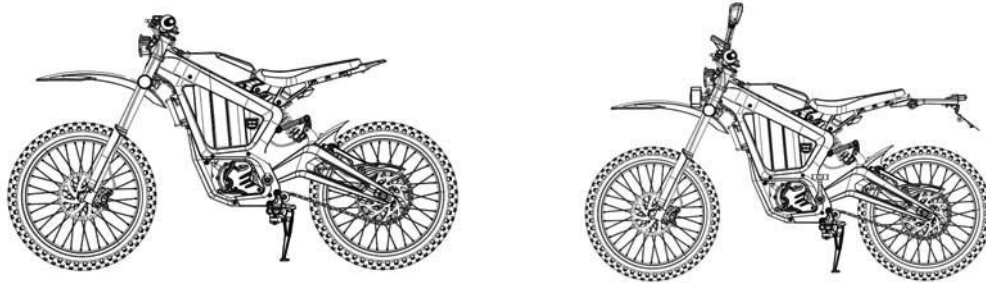
WARNING

- It is strictly forbidden to wade deeply, otherwise it may damage the battery, motor, or even cause personal injury!
- When riding, please wear a safety helmet and obey the traffic rules!
- Do not ride the vehicle with the battery compartment cover unlocked!
- Please remove the battery when washing the bike, and it is strictly forbidden to use a high-pressure water gun to flush the battery or other electrical components!

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The pictures are for reference only, the actual product appearance and functions are subject to the actual product



1. Safety Instructions

- Please apply and install the electric motorcycle license plate as required according to local laws and regulations .
- You are obliged to know the laws in your area and abide by relevant laws and traffic rules .
- Persons under the age of 16 are strictly prohibited from riding electric motorcycles on the road .
- It is strictly forbidden to ride in the motorway. If riding in a non-motor vehicle lane, ride according to local traffic rules.
- Before you ride , please familiarize yourself with the content of this manual, and then find an open and safe place to practice, so as to fully grasp the riding essentials of the bike and be familiar with its structure, which is the basis of safe riding.

- Do not lend it to people who are not familiar with riding, in order to avoid injury . Please make sure the rider has read this manual and watched the novice instruction video before you use it on your own(or lend the bike to others). It is your responsibility to ensure the safety of new riders , please assist new riders to learn to use this product until they learn the basic operation.
- Please be sure to wear qualified helmets and protective gears correctly when riding.
- Do not park in the building foyer, evacuation stairs, walkways and safety exits.
- Do not charge or park in residential buildings , keep away from combustibles when charging , and the charging time should not be too long.
- This product can only be ridden by one person, so please do not carry people or objects.
- When riding, please wear brightly colored clothing. The whole body needs to move freely , don't wear tight clothes and keep the cuffs closed • Do not ride while wearing flip flops or high heels . CHAMP electric vehicles contain many electrical components, please do not expose them to rain for too long .
- Precautions for water washing : Please remove the battery when washing the bike, and it is strictly forbidden to use a high-pressure washer to wash the battery or other electrical components!
- Do not immerse the battery in water (damage to the appearance of the battery will destroy the waterproof performance of the battery); Do not wade, and if you have to, the wading height should not exceed the center of the wheel, otherwise it may cause water ingress in the battery, internal short circuit, permanent failure of the battery, or even an explosion. And if the above condition do happen, never recharge the vehicle or the battery, otherwise it will cause the battery to burn and explode.

- For your safety, please do not modify the CHAMP electric vehicle on your own. If you need to replace parts, please contact the after-sales service .
- If there is abnormal noise or alarm , please stop using it immediately , and contact the after-sales service to obtain professional guidance or maintenance services.

Riding environment requirements:

- ◆ Do not ride in bad weather or when you are extremely tired . When riding in rain or snow , the braking distance will be extended; Try not to ride in severe weather such as heavy rain.
- ◆ Please ride carefully and slowly in complex road conditions. Be careful and ride slowly when riding at high speed over obstacles, uneven ground, slippery road, material evacuation ground or steep slope, otherwise the bike will be out of control and you may collide, fall or be injured.
- ◆ Please avoid riding in heavy rain or waterlogged roads. When the water on the road exceeds the center of the wheel, it may affect the work of the motor and brake. This bike can be used in rainy and snowy weather, but it is not allowed to wade deeply for a long time. It is recommended the wading depth does not exceed 20cm.
- ◆ The working temperature of CHAMP electric vehicle is $-10\sim 45^{\circ}\text{C}$, and the storage temperature is $-10\sim 50^{\circ}\text{C}$. The recommended storage temperature is $10\sim 30^{\circ}\text{C}$. Do not store or ride outside the temperature range.

Request for riders: (The following persons should not ride CHAMP electric vehicles)

I. Persons under the age of 18

II. Pregnant women or those who are unable to engage in vigorous physical activity due to illness

III. People under the influence of alcohol or drugs

IV. people whose weight exceeds the specified limit in "Model Data Sheet"

Check before riding:

- ▲ Check the tires: no cracks, no abnormal wear; no nails, stones, glass and other foreign objects embedded
- ▲ To ensure safe riding, the tire pressure needs to be 32.6 psi (225 kPa)
- ▲ Axle screws are not loose
- ▲ Check the handlebars and the fixing of the front and rear wheels; Make sure the handlebars are stable, the front and rear wheels are stable without shaking, and function normally
- ▲ Check if the reflector is damaged or polluted
- ▲ Check the status of power supply circuit, lighting circuit, etc. to ensure normal operation
- ▲ Check whether the front and rear brake systems can work normally
- ▲ Ensure that the power meets the riding requirements
- ▲ Spoke tightness: If it is loose, tighten it immediately (1.5N m-2.5N m)
- ▲ Accelerator is smooth without jamming, and returns quickly
- ▲ Chain status: The chain has a floating space of 1-2cm under normal conditions. If stuck, it is recommended to clean the sand and add lubricating oil; please remove foreign matter
- ▲ The inner tube of the front fork is clean and free of dirt
- ▲ The inner tube of the rear shock absorber is clean and free of dirt
- ▲ The front and rear brakes function normally, and ensure that the brake lines are not damaged.

Riding instructions:

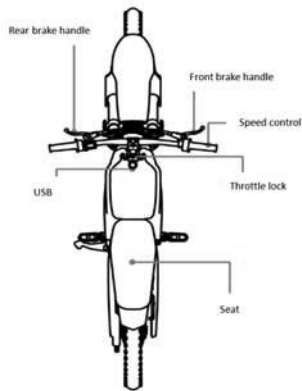
- To avoid distraction, do not use devices like mobile phones, cameras, earphones and earplugs while riding CHAMP electric vehicles.
- When approaching or passing intersections, motor vehicle lanes, turning points, gates and other places, please slow down and watch out pedestrians , bicycles and motor vehicles .
- Avoid rapid acceleration and deceleration to save power , protect bike body components, and improve cruising range and vehicle life .
- If any abnormality occurs while riding , please stop riding immediately . Do not use CHAMP electric vehicle until the cause of the abnormality is found out and repaired . Please contact the after-sale service in time.

Terms and Conditions:

- ◆ Park CHAMP Electric Vehicle on a flat road and turn off the power. Failure to do so may cause the vehicle to roll and cause injury to you and those around you .
- ◆ Do not park the vehicle on a sloping or soft ground to prevent the vehicle from tipping over!
- ◆ Be sure to use the special lithium battery charger for this vehicle. The charger input voltage is 220 V. Before charging, please let CHAMP electric vehicle stand still . If the charger and the charging port are wet, please do not charge. Do not charge and park in no-parking areas. Keep away from combustibles when charging, and cut off the power supply in time after charging.
- ◆ It is forbidden to charge the battery below 0°C , otherwise the battery will be damaged . Please wait for the battery temperature to rise before charging .

2. Function diagram

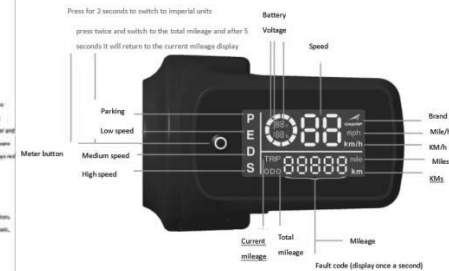
Please refer to the markings in the figure to identify the various parts of the bike body and get familiar with the bike. The pictures are for reference only, please refer to the actual product for appearance and function.



Big speed meter



Small speed meter



The speed meter is divided into 3 gears, respectively displaying: E, D, S

The first-gear ECO mode : E

The second-gear Driving mode : D

The third-gear Sport mode : S

The ECO and Driving mode are suitable for beginners and those who demand long mileage.

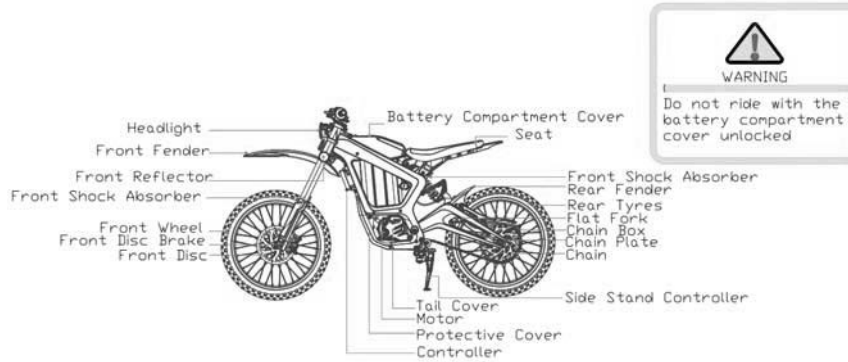
Sport mode is full power output, suitable for entertainment and off-road.

Speed meter adjustment button:

Long press for 2 seconds to switch to imperial units, and short press for 2 seconds to switch the mileage to total mileage and return to the current mileage display after 5 seconds.

3. Instructions

The pictures are for reference only , please refer to the actual product for appearance and function



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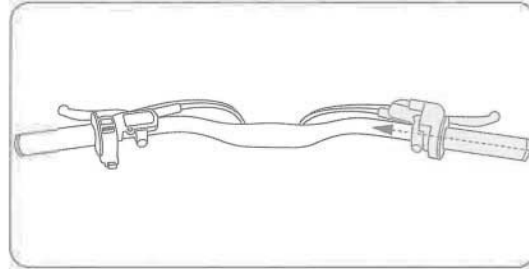
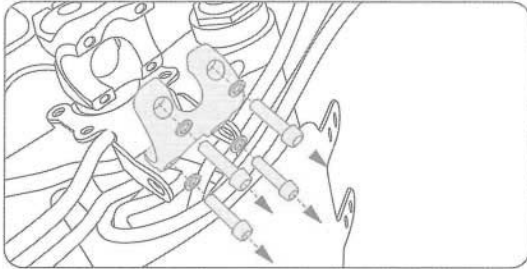
Note: When the temperature of the riding motor and the motor controller is too high, the battery temperature is high or the battery power is too low, the power of the working vehicle will automatically reduce which is normal and not a malfunction.

Note: For the convenience of maintenance, inspection and service, each vehicle has a unique frame number and motor number, please protect them properly. The frame number is engraved on the front of the bike, on the side of the frame riser. The motor number is engraved on the motor.

4. Quick Installation Guide

Install handlebars

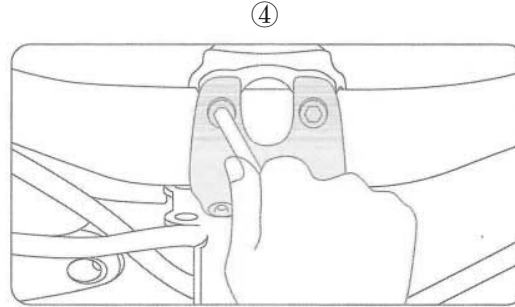
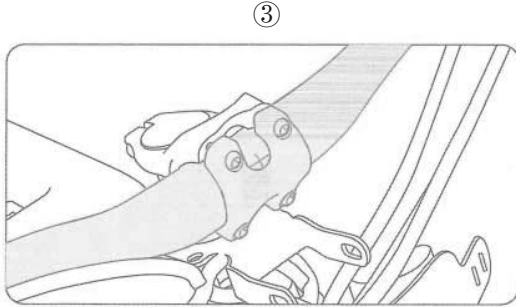
- ① Use a 5# hexagonal wrench to loosen and remove the 5 locking screws, remove the stem cover
- ② fix the front brake handle and speed control handle on the handlebar in sequence
 - ① Do not lose the screw spring washer
 - ② Do not tighten



The pictures are for reference only, please refer to the actual product for appearance and function

- ③ Install the handlebar, fix the cover, and align the handlebar to the seat according to the scale marks.
- ④ Tighten the 4 screws

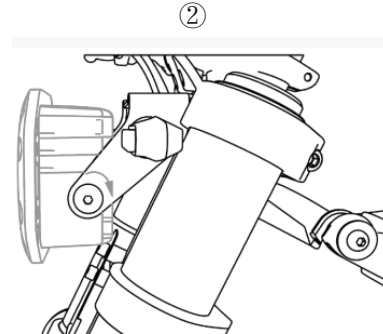
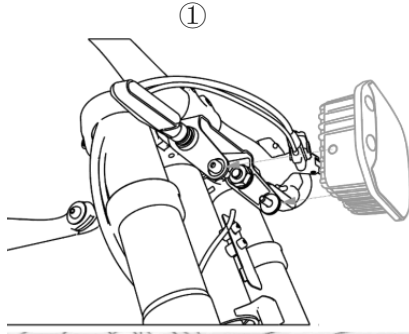
The pictures are for reference only, please refer to the actual product for appearance and function



Install headlights

① Secure the headlight to the mounting bracket on the fork

② Adjust the position and tighten the screws on both sides

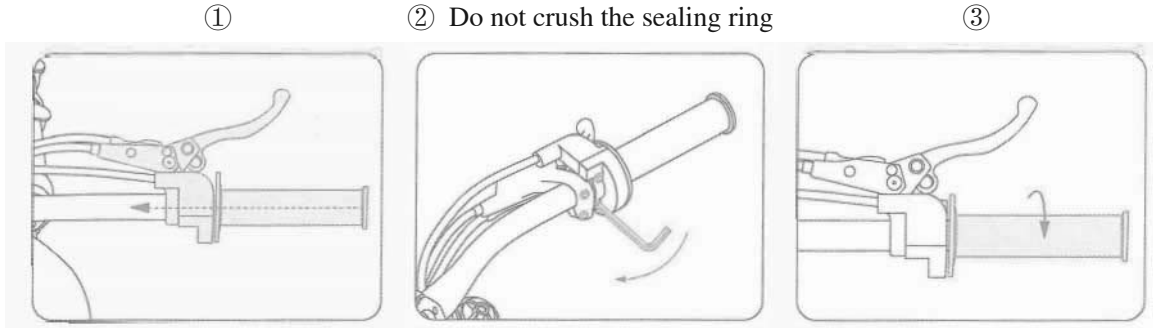


The pictures are for reference only, please refer to the actual product for appearance and function

Install the front brake handle & accelerator

- ① As shown in the picture below, adjust the front brake handle and the accelerator to the appropriate angle
- ② Use 4#, 5# inner hexagonal wrench to lock the speed control handle and front brake handle respectively
- ③ Turn the throttle to ensure that it can return normally

If there is any stagnation, check the installation position of the accelerator and the direction of its internal cable



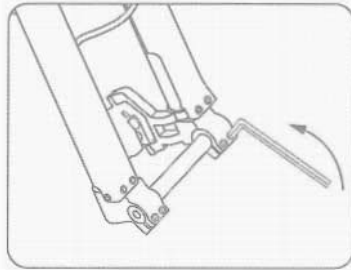
The pictures are for reference only, please refer to the actual product for appearance and function

Install the front wheel

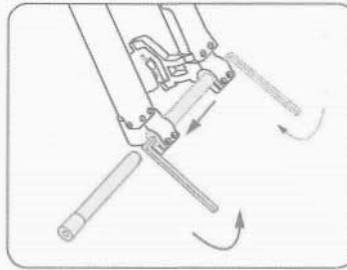
- ① Loosen the 4 bolts at the lower end of the front fork shaft with a 4# inner hexagon wrench
- ② Remove the lock nuts on both sides of the front wheel with an 8# inner hexagon wrench. Gently tap with a wrench to take out the 4 bolts at the lower end of the front axle

③ Install the front axle bushings on both sides

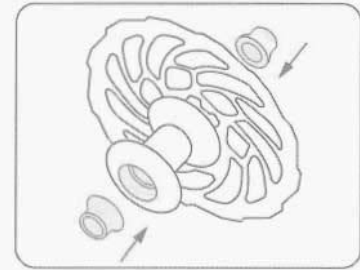
①



② Do not crush the sealing ring

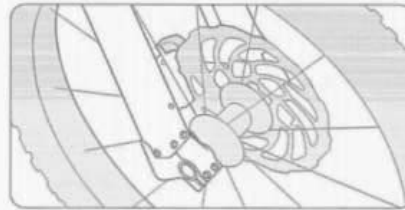
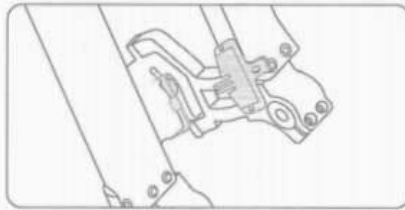


③



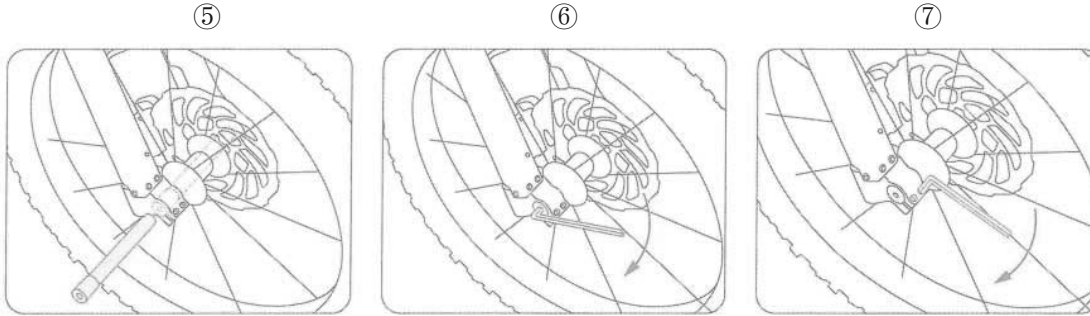
④ Remove the brake caliper clamping block and place the front wheel at the front wheel mount on the fork
Pay attention to the match with disc brake calipers when installing

④



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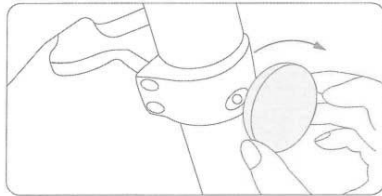
- ⑤ Install the front axle so that it passes through the front fork and the front wheel in turn
- ⑥ Tighten the left and right lock nuts with an 8# inner hexagonal wrench to ensure stability
- ⑦ Tighten the 4 bolts at the lower end of the front fork with a 5# Allen wrench



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Install the front reflector

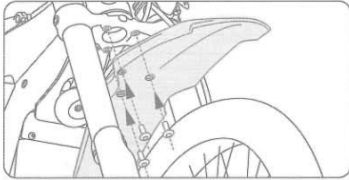
Rotate clockwise, install the two front reflectors on both sides of the front fork respectively



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Install the front fender

Remove the 3 bolts at the position shown in the figure below, install the front fender, and lock the bolts with a 4# inner hexagon wrench to ensure that the front fender is fastened

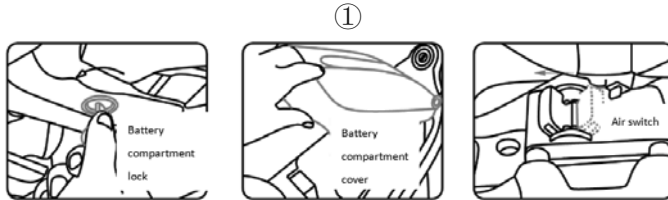


The pictures are for reference only, please refer to the actual product for appearance and function

Install battery

Prerequisite: Make sure the electric door lock is closed

- ① Open the battery package and take out the battery. Insert the key into the battery compartment lock and turn counterclockwise.



The pictures are for reference only, please refer to the actual product for appearance and function
Open the battery compartment cover. Check the air switch to make sure it is closed to the left.



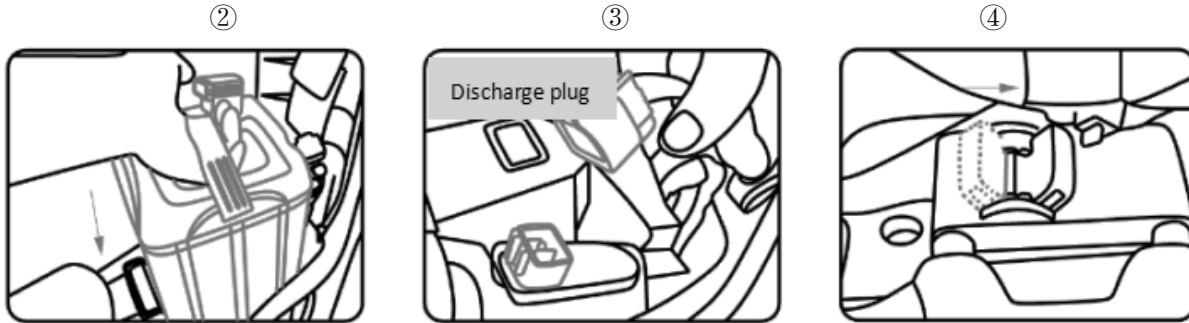
② Insert the battery

First connect the output end of the charger to the charging port of the battery, and then connect the other end to the power supply

③ Connect the discharge plug

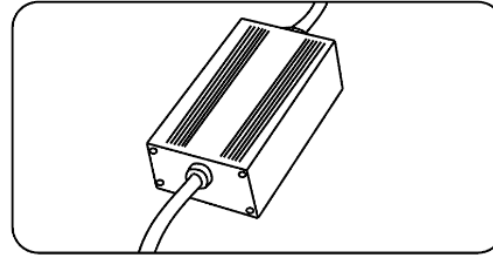
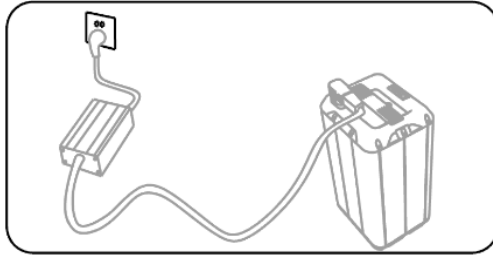
④ Turn on the air switch to the right, close the battery compartment cover, and remove the key

Battery direction: the charging port faces the left side of the bike body



The pictures are for reference only, please refer to the actual product for appearance and function
The charger light flashes red to indicate charging. When the battery is fully charged, the green light is always on

Please turn off the power in time when fully charged. Please turn on the air switch after inserting the battery



Please be sure to use the special hammer battery charger for this vehicle. When replacing the charger, the original charger should be replaced.



WARNING

The air switch must be turned off before installing or removing the battery.

Hot plugging will affect the life of the battery discharge plug.

When plugging in the battery plug with the air switch turned on, there is a risk of ignition, which may easily cause damage to the plug or battery

The charger will automatically shut down when it is fully charged, but need to avoid connecting the charger to the grid for a long time, no more than 6 hours at most.

Charging Precautions

- Please be sure to use the special battery charger for this bike. When replacing the charger, the original charger should be replaced.
- The air switch must be turned off before installing or removing the battery.

- Hot plugging will affect the life of the battery discharge plug.
- When plugging in the battery plug with the air switch turned on, there is a risk of ignition, which may easily cause damage to the plug or battery.
- The charger will automatically shut down after it is fully charged, but need to avoid connecting the charger to the grid for a long time, and the longest time should not exceed 6 hours.
- When charging, please place it in a safe place that is out of reach of children.
- Do not cover or put any objects on it when the charger is in use. This charger is for indoor use, please use it in a dry and well-ventilated environment. When there is smell or the temperature is too high during charging, or it cannot be fully charged for a long time, please stop charging immediately. And send it for maintenance.

5. Preparation before riding

Please make sure that you have carefully read all the items in the "Safety Instructions" in this manual before riding , and put more attention to the following

Check tires

- ① The tires are intact.
- ② Normal tire pressure is 32.6 psi (225 kPa) . Insufficient tire pressure can cause abnormal wear, poor steering , low riding speed and short cruising range. Excessive tire pressure will lead to abnormal wear, poor comfort, and even tire blowout, causing safety hazards.

Check speed meter, horn, brakes

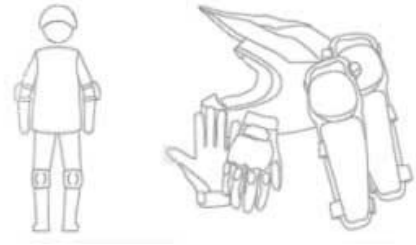
- ① Check whether the display function of each part of the speed speed meter is normal
- ② Check that the horn is working properly
- ③ Hold the left and right brake handles respectively , and check whether the front and rear brakes work normally

Check the handlebars

The handlebar needs to be fixated and reliable and the steering should be flexible

Shock absorber adjustment

Please adjust the front and rear shock absorbers according to the actual situation



If you have any questions, please call the after-sales service



WARNING

Be sure to wear a helmet and protective gear

For your safety, please choose a full-face off-road helmet and off-road protective gear.

The picture is only for illustration, and you need to do a good job in safety precautions.

Do not lend out CHAMP electric bike, or let people who are unable to ride to use them.

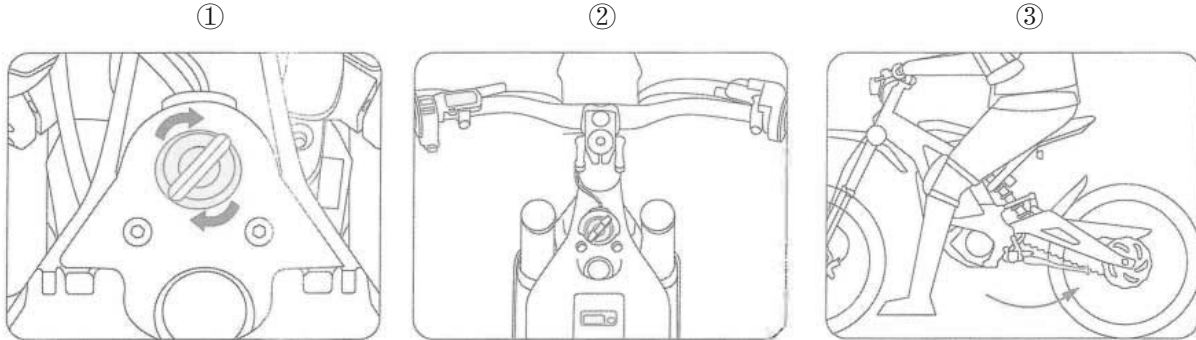
riding with one hand or throwing the handlebars, and riding after drinking are very dangerous.

6. How to ride

Start the bike

- ① Insert the key into the electric door lock to start
- ② Check whether the switches, instruments, horns, brakes, and electricity speed meters are normal
- ③ Before starting the motor: put away the side brackets, get on the bike and sit firmly, and slowly turn the speed control handle inward

The pictures are for reference only, please refer to the actual product for appearance and function



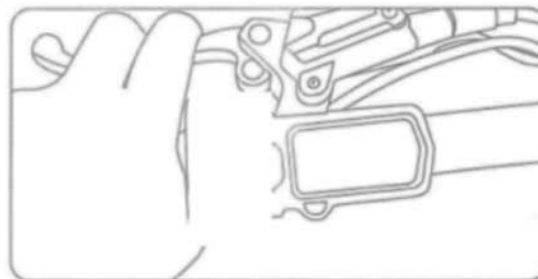
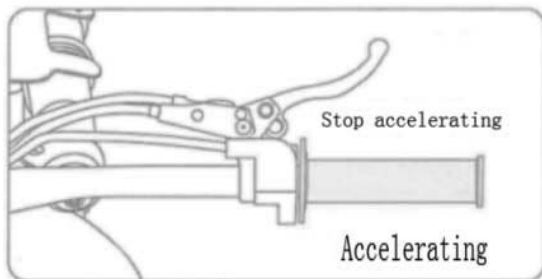
Before sitting firmly, it is strictly forbidden to turn the speed control handle to prevent accidents

The side brackets can only be used to support the vehicle dry and must not be opened

Adjust speed

Before sitting firmly, it is strictly forbidden to turn the speed control handle to prevent accidents. The side brackets can only be used to support the vehicle, and it is forbidden for people to sit on the vehicle after opening the side brackets. Acceleration and deceleration are operated through speed control. Rotate inward for acceleration and outward for stopping acceleration.

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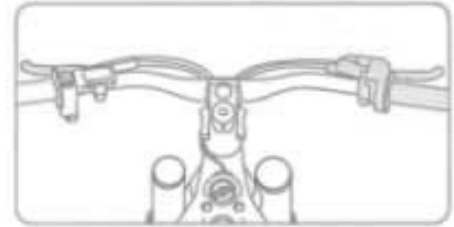
WARNING

Acceleration must be smooth and gentle, do not operate violently to avoid danger or damage to vehicle components.

Only use E and D modes when riding for the first time . The S mode can be used once you are familiar with the vehicle.

Brake

Loosen the throttle handle, and hold the left and right brake handles firmly .
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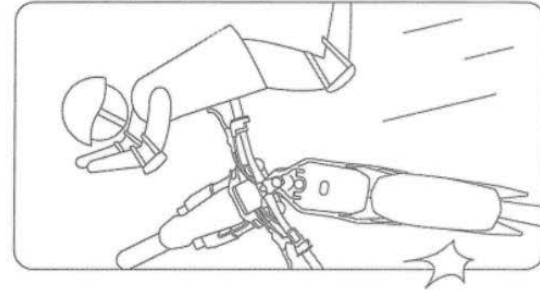
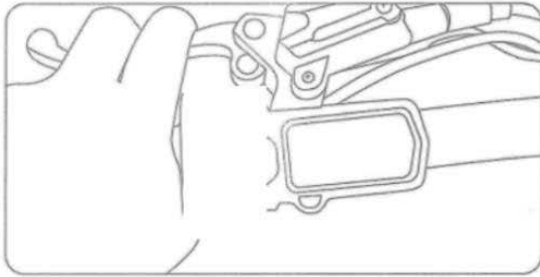
WARNING

Please control the grip of the brake handle according to the actual situation to prevent the wheels from locking and slipping

Try to pre-judge as much as possible, and avoid operations that are likely to cause sideslips and falls, such as sudden braking and sudden steering, especially when the road is slippery in rainy days, which is extremely dangerous.

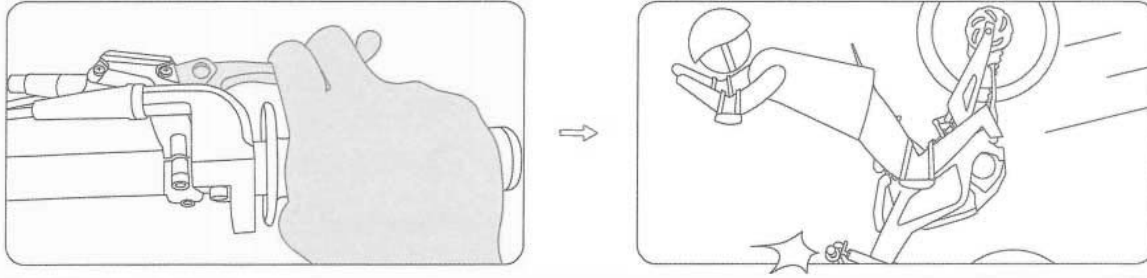
Sudden pinching of the rear brake with the left hand while riding may cause skidding

The pictures are for reference only, please refer to the actual product for appearance and function



Sudden pinching of the front brake by the right hand while riding may cause the vehicle to roll over

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WARNING

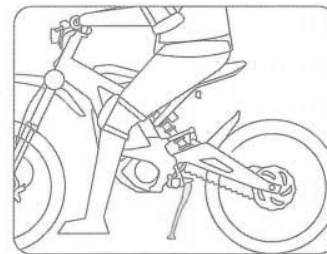
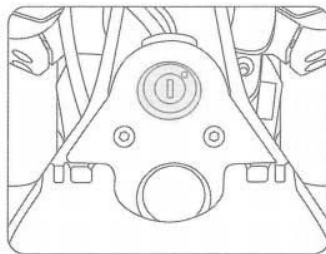
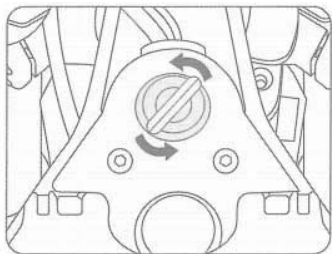
If the vehicle overturns due to an accident while riding, the system will enter power-off protection (the power output is cut off, and the vehicle can be restored after the vehicle is turned on again), which is a normal phenomenon. When this happens, please be sure to turn off the vehicle before lifting the vehicle to avoid accidents caused by touching the accelerator

handle by mistake.

Parking

Be aware of road conditions and slow down as you approach your stop. After the vehicle body stops, turn off the electric door lock and remove the key. Lower the side brackets to secure the vehicle.

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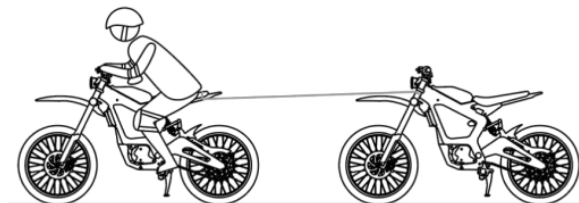
WARNING

In the parking state (when the rider is still on the bike), please be sure to turn off the machine to avoid accidents caused by touching the accelerator handle by mistake. Immediately after getting off the bike, turn off the electric door lock and remove the key.



Notes

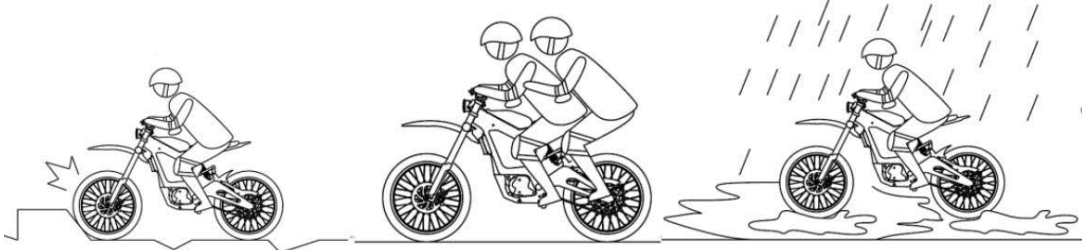
Potential safety hazard !
Dangerous behavior, don't try it!
Drunk riding is prohibited !



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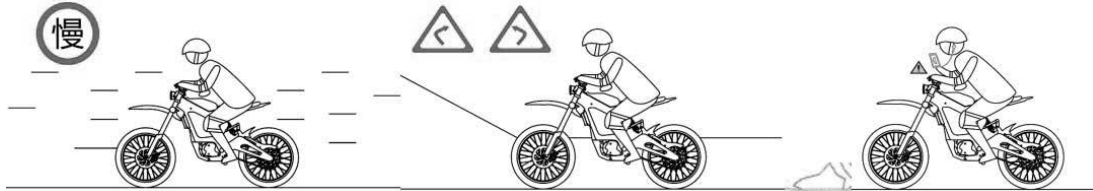
Please do not attach or tow other means of transportation .

The pictures are for reference only, please refer to the actual product for appearance and function



- ⚠️ ride slowly in complex road conditions
- ⚠️ Prohibition of carrying people and goods
- ⚠️ Do not ride in bad weather or when you are extremely tired. It is strictly forbidden to wade deeply, otherwise it may damage the battery or even cause personal injury!

The pictures are for reference only, please refer to the actual product for appearance and function



- ⚠️ Please hold the handlebars with both hands, and over-speeding is prohibited
- ⚠️ Always slow down before making turns
- ⚠️ Prohibition of using mobile phone \ earphones \ earplugs while riding

7. Use Instructions

① Vehicle " de-energized " (power on but no power)

- ▼ Brake power off (when pinching the brake, there will be no power output if turning the accelerator)
- ▼ The side bracket power off (when the side bracket is on, turning the throttle handle will not have power output)
- ▼ Motor overheating
- ▼ Battery overheating
- ▼ The battery is dead
- ▼ Controller overheating

② vehicle power down

When the battery power is lower than 12%, the controller will reduce the output power to protect the battery. At this time, the sport mode will not be activated.

Due to the characteristics of the battery , there may be errors in the display of the electric speed meter

When the power is lower than 5%, if there is a heavy load (such as emergency refueling or going up a steep slope, etc.), the controller will enter undervoltage protection and the vehicle will stop running. If the battery is not charged in time, the battery may enter the over-discharge protection at any time (the battery entering the over-discharge protection can effectively protect the battery cells, after the over-discharge protection needs to be reactivated with a charger. For the activation method, see item 6 of the fault diagnosis table in the after-sales manual).

The controller is overheated (when the working temperature exceeds 85°C , the vehicle will reduce the power and enter

the S mode. If the overheating continues and exceeds 100°C , the power output will be cut off.)

Motor overheating (When the operating temperature exceeds 130°C , the vehicle will reduce power and enter S mode.

If the overheating continues to exceed 150°C , the power output will be cut off.)

③ About the use environment

When the temperature is lower than 0°C , the battery is equivalent to 80% of the normal capacity. Sports gear is not recommended.

When the temperature is higher than 50°C , it is recommended not to ride at full power for a long time.

④ About wading

E-bikes can occasionally wade into water (no more than 20cm deep), and should not be soaked in water for a long time, especially when the motor is at a high temperature. After soaking in water and cooling, the internal air will shrink, which will cause water to enter the interior from the oil seal and cable , causing damage. The following is the waterproof level of each component:

Battery, motor: IP65

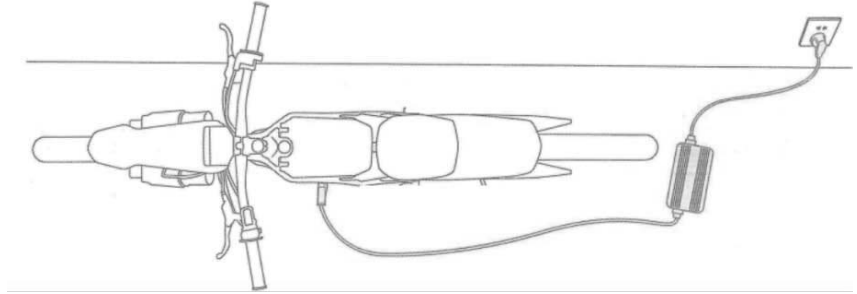
Controller: IP67

Bike connectors: IP55

8. How to Charge

Vehicle charging

Connect the output end of the charger to the charging port of the vehicle, and then connect to the power supply for charging.



WARNING

The pictures are for reference only, please refer to the actual product for appearance and function

Do not charge the battery below 0 C, otherwise the battery will be damaged. Please wait for the battery temperature to rise before charging.

Correct methods of usage and maintenance of batteries • Used batteries cannot be disassembled without authorization, and should be recycled by relevant professional departments

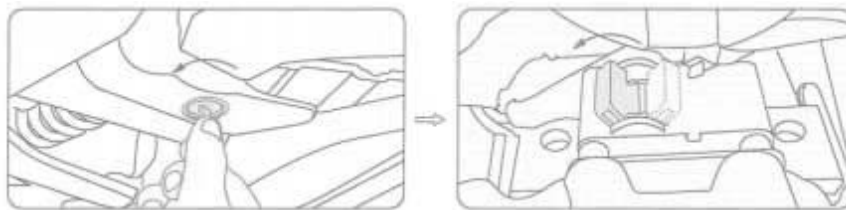
When the vehicle is not used for more than one month , be sure to turn off the air switch or unplug the power plug, and store it with battery full charged

When not charging, please fasten the sealing rubber cap of the charging port

Portable charging

- ① Make sure the electric door lock is in the closed state. Open the battery compartment. Turn off the air switch.

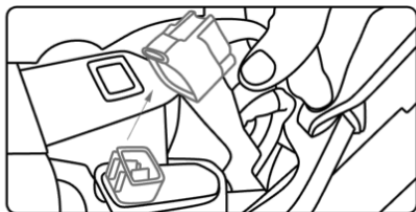
①



The pictures are for reference only, please refer to the actual product for appearance and function

- ② Remove the discharge and communication plugs on the battery.
- ③ Pull up to remove the battery and close the battery compartment cover.

②



③



The pictures are for reference only, please refer to the actual product for appearance and function

9. Model Parameters Table

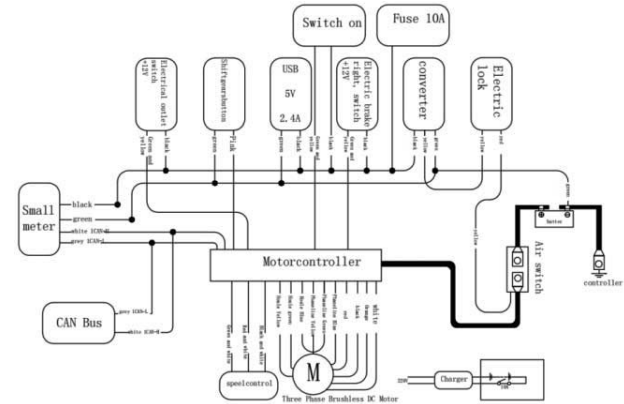
Items	CP3000DPY-5	CP3000DGY-5A
Size	1881mm*770mm*1149mm	1881mm*770mm*1149mm
Vehicle Weight(battery included)	70KG _	73 KG
Maximum Load Quality	100KG	100KG
Minimum Ground Clearance	270mm	270mm
Wheelbase	1280mm	1280mm
Seat Height	830mm	830mm
Front Fork Travel	210mm	210mm
Rear Shock Travel and Shock Size	85/240mm	85/240mm
Power System	High-speed permanent magnet synchronous	High-speed permanent magnet synchronous
Controller	Vector Sine Wave Controller	Vector Sine Wave Controller
Rated Power	3KW	3KW
Maximum Output Power	7.5KW	7.5KW
Maximum Torque of Drive Wheel	298N.m	298N.m
Top Speed	>100KM/h	>100KM/h
Maximum Battery Life	<u>135KM@30KM/h</u>	<u>135KM@30KM/h</u>
Battery Type	Ternary lithium battery	Ternary lithium battery

Items	CP3000DPY-5	CP3000DGY-5A
Battery	73.8V38.4AH(LG 21700 battery)	73.8V38.4AH(LG 21700 battery)
Charging Time	4 hours	4 hours
Frame Type	Aluminum alloy forging	Aluminum alloy forging
Tire specifications	Front 70/100-19 Rear 80/100-19	Front 70/100-19 Rear 80/100-19
Tire Specifications	Front 70/100-17 Rear 80/100-17 (optional)	Front 70/100-17 Rear 80/100-17 (optional)
Rim	Aluminum alloy 7116 (1.6*19)	Aluminum alloy 7116 (1.6*19)
Rim	Aluminum alloy 7116 (1.6*17) (optional)	Aluminum alloy 7116 (1.6*17) (optional)
Braking System	Front and rear disc brakes (220*3mm)	Front and rear disc brakes (220*3mm)
Speed Meter	LED	TFT
Charger	84V10A	84V10A
Handlebar specifications	032 variable diameter handle bar	032 variable diameter handle bar
Lighting system	/	Full LED lamps
Remarks: *The battery life and top speed parameters will be affected by vehicle load, temperature, speed, terrain, etc. The above performance parameters are the data obtained from the test on a dry and flat road environment with a rider weighing 75 KG , an ambient temperature of 27 C, and a constant speed of 40KM/h.		

10. Other Statements

- ① Charming Company is committed to continuously improving product functions and performances. Please be noted that the specifications and manual content of new products in future may be changed accordingly without prior notice. If there are differences in places like the icons, pictures between the manual and the actual product, please refer to the actual product as the standard.
- ② To the extent permitted by law, Charming Company reserves the right to interpret and explain this statement.
- ③ This statement applies to the laws of the People's Republic of China (except for the laws of Hong Kong, Macau Special Administrative Region and Taiwan). For all claims, responsibilities and losses caused or possibly caused by consumers' violation of the above statement, CHAMP shall not be liable for compensation. Unforeseen or unavoidable risks encountered during riding shall be borne by the rider himself.
- ④ If one day you want to resell or give away your CHAMP electric bike, please don't forget to hand over this manual, because it is a part of the product. If you have any questions feel free to consult CHAMP and we are glad to serve you at any time. Thank you again for your choice and trust in this product.

Attachment: Vehicle Electrical Schematic Diagram



11. Fault Phenomenon and Troubleshooting (1)

S/N	Items	Cause of Issue	Troubleshooting Method
1	Turn on the power, the motor does not work	<ol style="list-style-type: none"> 1. The battery cable is loose 2. Speed control central control connector disconnected 3. Loose or disconnected motor wiring 4 The brake handle does not return or the brake switch is faulty 	<ol style="list-style-type: none"> 1. Check whether the connection line is firmly connected 2. Plug repair, connect firmly 3. Reconnect and tighten at repair 4. Check brake handle and brake switch
2	Speed regulation failure or low maximum speed	<ol style="list-style-type: none"> 1 battery voltage is too low 2. Speed control handle failure 	<ol style="list-style-type: none"> 1. Fully charge the battery 2. Replacing the speed central control at the after-sale service
3	Insufficient range on a single charge	<ol style="list-style-type: none"> 1. low tire pressure 2. Insufficient charge or faulty charger 3 Improper brake adjustment, excessive riding resistance 4. The battery is old or damaged 5 There are many uphill, headwinds, frequent acceleration and deceleration, and heavy loads 	<ol style="list-style-type: none"> 1. Inflate tires to proper pressure 2. Fully charged or check the charger plug contacts 3. Readjust the brakes 4. Replacement battery 5. It is normal to have the reduced battery performance for using the bike in such environment

S/N	Items	Cause of Issue	Troubleshooting Method
4	Charger not charging	1 The plug of the charger is disconnected or the connection is loose 2. The plug of the battery pack cable is loose	1. Insert the plug or connector tightly and open the battery compartment cover , insert the plug tightly 2. Open the battery compartment cover, plug in the plug tightly
5	Abnormal bike body noise during riding	Unreasonable chain tightness	Adjust chain tightness
6	Connect the power supply to connect the output terminal of the charger to the charging port of the battery. After charging, the charger does not work normally, and the power speed meter has no power display	Battery over-discharge protection due to long-term non-charging or improper battery storage	Connect the output terminal of the charger to the charging port of the battery, connect the input plug of the charger to the mains grid, and then press and hold the battery speed meter button, and the battery enters the forced activation charging mode. After the battery speed meter lights up , the battery enters the normal charging state
7	Others	1When you encounter a fault that cannot be eliminated by yourself under the above guidance or a fault that cannot be recognized. 2. The motor , controller, charger and battery are damaged.	In case of the above situation, please contact the supplier or maintenance station, and do not open the above parts without authorization , otherwise will lose the warranty for the parts

Fault Codes and Troubleshooting Methods (2)

S/N	Fault code display on the speed meter	Controller failure sound reminder	Failure level	Fault type	Troubleshooting	Notes
1	b001	▣▣▣	Level 1 failure	Accelerator failure	<p>Possibilities:</p> <p>1. The acceleration throttle signal is higher than the initial value during power-on self-detection. The reasons are as follows: a. Turned the accelerator handle first and then the bike. After power-on, it detects that the initial value of the accelerator handle is too high, in this case return the handle will solve the problem. b. The acceleration handle is faulty. Please replace the acceleration handle.</p> <p>2. The signal of the acceleration handle is higher than the upper limit during riding. The reasons are: a. The ground wire of the acceleration handle is open, check the circuit, b. replace the accelerator handle</p>	
2	c001	▣▣▣▣	Level 1 failure	Bus voltage is too low or too high	<p>Check whether the voltage of the battery pack is consistent with the input voltage of the controller; Check whether the battery pack is severely depleted</p>	

S/N	Fault code display on the speed meter	Controller failure sound reminder	Failure level	Fault type	Troubleshooting	Notes
3	c002	⚡⚡⚡⚡⚡	Level 2 failure	Controller temperature is too high	Stop for cooling, control long-term overload operation, strengthen air cooling or replace with a higher power controller	
4	c003	⚡⚡	Level 1 failure	Controller overcurrent and overload protection	Check whether the phase wire of the motor is short-circuited or loose; check whether the motor position sensor is normal	
5	c004	⚡⚡	Level 1 failure	Current sensor failure	Controller hardware failure, return to factory for repair	
6	c005	⚡⚡⚡⚡⚡	Level 1 failure	Power circuit failure	Controller hardware failure, return to factory for repair	
7	d001	⚡⚡⚡⚡	Level 2 failure	Motor overheat protection	Check the temperature of the motor. If it is overheated, it is recommended to stop it to cool down. If the motor is not hot, it is recommended to check the wiring of the motor temperature sensor.	
8	d002	⚡⚡⚡	Level 1 failure	Motor position sensor failure	Check the wiring of the motor position sensor, check whether the motor position sensor is normal	
9	d003	⚡⚡⚡⚡⚡	Level 2 failure	Motor phase loss	Check whether the wiring of the motor temperature sensor is loose or disconnected	

S/N	Fault code display on the speed meter	Controller failure sound reminder	Failure level	Fault type	Troubleshooting	Notes
10	d004	滴滴 滴滴	Level 1 failure	Motor stall protection	The power range of the motor is exceeded, please ride under suitable road conditions	
11	E001	滴滴	Level 2 failure	BMS communication failure	Check whether the communication cable is loose and correctly connected	
12	c006	滴滴 滴滴	Level 1 failure	hardware overcurrent	Please check whether the phase wire of the motor is short-circuited or loose; check whether the power line from the battery to the controller is loose or the wire diaspeed meter is too small	
13	A001	/	Level 1 failure	Battery cell dropped	Hardware failure, return to factory for repair	
14	A002	/	Level 1 failure	Unbalanced cells	Hardware failure, return to factory for repair	
15	A003	/	Level 1 failure	Discharge MOS damaged	Hardware failure, return to factory for repair	
16	A004	/	Level 1 failure	Charging MOS damaged	Hardware failure, return to factory for repair	
17	A005	/	Level 2 failure	Secondary overcurrent	Check whether the discharge current of the controller becomes larger	
18	A006	/	Level 2 failure	MOS temperature sensor failure	Hardware failure, return to factory for repair	

S/N	Fault code display on the speed meter	Controller failure sound reminder	Failure level	Fault type	Troubleshooting	Notes
19	A007	/	Level 2 failure	Cell temperature sensor failure	Hardware failure, return to factory for repair	
20	A008	/	Level 1 failure	Discharge overheating	Stop cooling, control long-term overload operation, strengthen air cooling	
21	A009	/	Level 1 failure	Charging overheating	Check whether the charger matches the battery or if the charger is damaged, replace the charger , power off to cool down or start forced air cooling	
22	A010	/	Level 2 failure	Discharge MOS over temperature	Stop for cooling, control long-term overload operation, strengthen air cooling , check the discharge current of the controller	
23	A011	/	Level 2 failure	Charging MOS temperature is too high	Check if the charger matches the battery , or if the charger is damaged, replace the charger	
24	A012	/	Level 1 failure	Discharge fuse damage	Hardware failure, return to factory for repair	
25	A013	/	Level 1 failure	Charging fuse damage	Hardware failure, return to factory for repair	
26	A014	/	Level 2 failure	Three-level overcurrent	Check whether the discharge current of the controller becomes larger	
27	A015	/	Level 1 failure	four-level overcurrent	Check whether the discharge current of the controller becomes larger	

12. Maintenance Guide

In principle, for normal riding, the first inspection can be done at 10-30km (also can be understood as the first maintenance)

Including:

- ① Check if the wire spokes of the front and rear wheels are tight;
- ② Whether there is a gap in the headset in the direction of the front of the bike;
- ③ Check the tightness of the chain;
- ④ Shock absorber adjustment, check whether there is oil leakage, whether the compression and rebound damping are in the correct position; (Note: Do not turn the adjustment knob to the left or right during the adjustment process)
- ⑤ Check the tightness of each screw on the handlebar.

Special attention: During the entire maintenance process, the vehicle must not be powered on, that is, it must not be operated when the vehicle is started or running.

Pay extra attention to safety when checking the vehicle

- ① Choose a wide and flat place to park your bike.
- ② When riding inspection is required, it should be carried out in a safe place, and at the same time, pay attention to the surrounding environment and conditions.
- ③ If any abnormality is found through the inspection, please eliminate the abnormality before riding . If it is difficult to solve it by yourself , please contact the after-sale service or the designated authorized service outlet.

Notice

- ① The front and rear brakes are all disc brakes. When the brake friction lining is severely worn , the friction lining should be replaced.
- ② Keep the disc brake system clean in daily use , avoid long-term adhesion of mud and sand , especially need to avoid oil pollution .

Inspection of operating parts

- ① Check if the shock for bent, deformed or damaged.
Check whether the front shock absorber is damaged, loose, if there is oil leakage, etc. Shake the handlebar up and down to check whether there is any abnormal noise caused by the fault of the front shock absorber.
- ② Brake inspection
Check whether the free clearance of the brake handle is within the specified range (15-30mm). If it does not meet the requirements, it should be adjusted.
- ③ Inspection of braking effect
Please ride at a low speed on a dry and flat road for inspection, use the front and rear brakes separately, and check their respective braking effects.
- ④ Inspection of tires, etc.
The tires of the vehicle are in contact with the ground for a long time, and foreign objects such as stones, glass, nails on the ground will cause damage to your tires, so you should pay attention to the road when riding, and avoid riding in places that may damage the tires. In addition, check the tires frequently for obvious damages like

Whether there are cracks and any unreasonable abnormal wear and tear.

- When the tire is cold, check the air pressure with the tire pressure gauge.
- Check for cracks, damage, foreign matter, and abnormal wear.
- Check whether the rim spokes are loose.
- Check the tension of the chain: 10-20mm upper and lower.
- Inspection of tire groove depth.

Check the tire wear, check the groove depth, and replace the tire when the wear reaches 2/3 of the bump. When the tires have abnormal noises or swings during riding, please contact the after-sale service or designated authorized service outlets for inspection and maintenance.

The recommended tightening torque for the center axle is 30 N•m, the tightening torque for the rear axle nut is 40 N•m, and the tightening torque for the front axle screw depends on the front fork.

Notice:

- Hold the brake handle firmly. If the ideal braking effect still cannot be achieved, check the cleanliness of the disc. If it still cannot be solved, please contact the after-sale service or the designated authorized service outlet for inspection.

Battery check

- ① Check battery

The bike uses a sealed ternary battery. When checking, the battery needs to be fully charged, and then use a multispeed meter to measure the voltage of the positive and negative terminals of the discharge port. The fully

charged voltage should be carried out according to the battery label.

② Check the appearance of the battery

Whether the battery is damaged, such as if the upper and lower sealing covers of the battery are damaged, which will cause the risk of water ingress when the sealing fails. Please contact after-sale service or designated authorized service outlets.

Notice:

- ① Before installing and removing the battery, please close the electric door lock and switch to the air, and cover the sealing rubber cap of the charging port.
- ② If the battery cannot be put into the battery compartment, please do not force it. Take out the battery and check whether it is caused by foreign objects.
- ③ For battery storage in winter, it is recommended that the storage room temperature be above 0 C , and the battery should be checked regularly .

Battery Charging and Charger Usage

- ① When charging the bike, you must use a charger that matches the original model. Do not use other chargers that do not match the model, so as not to damage the battery or cause safety hazard.
- ② Check whether the input voltage of the charger is consistent with the grid voltage ;
- ③ The charger will automatically shut down after it is fully charged , but try to avoid connecting the charger to the power grid for a long time , and the longest time should not exceed 6 hours ;
- ④ It is strictly forbidden for users to disassemble the battery by themselves to avoid damage and danger;

- ⑤ When the battery has over-discharge protection, it needs to be activated, and see the activation method is in Article 6 of <Fault Phenomenon and Troubleshooting>.

Use and maintenance of the motor and the controller

- ① Regularly check whether the motor screws are loose;
- ② Regularly check whether the wiring of the motor and the controller is loose and check the insulation condition;
- ③ Regularly check whether the fuse is loose;
- ④ Do not ride in too deep water, so as not to affect the motor work.

Note: When the motor and the controller temperature is too high or the battery power is too low , the vehicle will automatically reduce the power to run, which is not a malfunction.



WARNING

Do not ford the whole vehicle beyond the center of the wheel. Riding the motor soaked in water for a long time may cause motor failure.

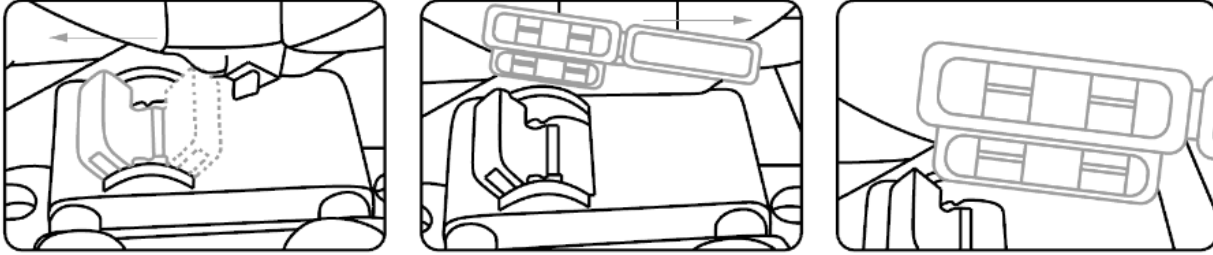
Replace fuse

If after turning on the air switch and electric door lock, the vehicle dashboard, horn, and lamps still cannot work, it may be that the fuse is blown.

To replace the fuse, please turn off the air switch first, the operation method is as follows:

- ① Open the battery compartment cover, turn off the air switch, remove the protective cover , you can see the fuse box in front (the fuse box is wrapped with a circle of black insulating tape when leaving the factory), and open the fuse box;

- ② Remove the bad fuse, take out the spare fuse from the box cover and install it, close the fuse box, install the protective cover , and close the battery compartment cover.



The pictures are for reference only, please refer to the actual product for appearance and function

Notice:

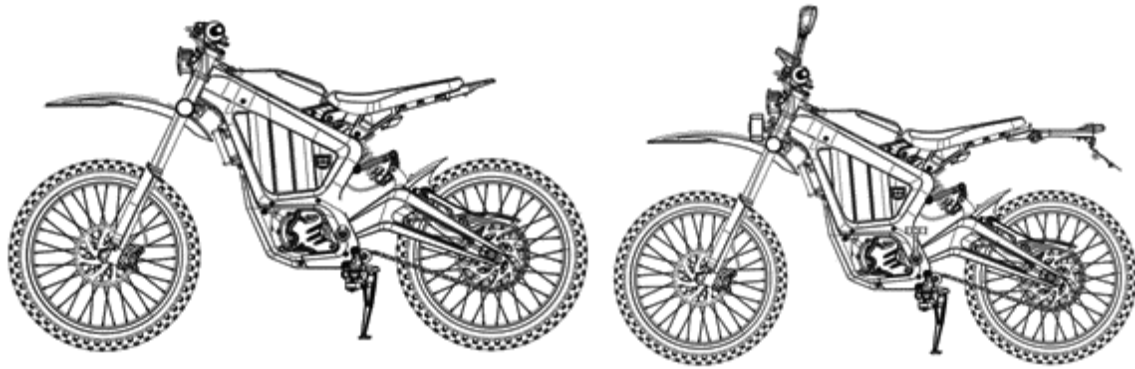
1. The fuse should be installed firmly, if the insertion part is loose, it may cause the fuse to heat up and cause other failures and dangers;
2. To replace the fuse, use a fuse with the specified model and corresponding specifications. If you use a fuse that exceeds the specification, it may not be able to play the role of fuse protection;
3. If the fuse blows out again within a short time after replacing it, check for reasons that are other than the fuse;
4. Avoid strong water flow hitting the fuse part.

13. Regular Maintenance Record Card

Notice:

Scientific maintenance can greatly prolong the service life of the vehicle, especially after intense riding or riding on non-paved roads (off-road), it is necessary to thoroughly check the condition of the vehicle to ensure that all parts of the vehicle body can work normally.

Regular Maintenance Record Card		
Maintenance Period	Maintenance Items	Maintenance stamp
300km/1 month	Vehicle fastener inspection, chain tension inspection (motor/wheel train/brake/spoke, etc.)	
1000km/3 months after the first maintenance	Fastening inspection of safety components, high current circuit inspection , chain tension inspection (motor/wheel train/ brake/spoke, etc.)	
2000km/6 months	High current circuit inspection, brake oil circuit inspection, brake pad inspection, spoke inspection, chain and belt tension inspection	



This manual is applicable to CHAMP CP3000DPY-5 and CHAMP CP3000DGY-5A. The appearance and function of the actual product are not completely consistent with the content of the manual due to technology upgrades. Please refer to the actual product for the appearance. To obtain the latest function introduction and safe use guidance information, please visit the company's official website to view the electronic manual. Or log on to the official website forum to communicate with other users.