



Electric  
scooter

# USER MANUAL

PLEASE READ THE MANUAL CAREFULLY BEFORE RIDING

Explorer Series/Hunt



Ningbo Vchain Technology Co.,Ltd.

# WELCOME!

Thank you for making Vchains your true love. This is an honor for our entire young team. We are committed to providing you with a better riding. There are any issues, You can contact us through the following way:

## Help center:

[www.vchains.com/support/](http://www.vchains.com/support/)

## E-mail :


[support@vchains.com](mailto:support@vchains.com)

## TEL:

+86-0574-88252727

Please read this owner's manual carefully before using your Vchains in order to become thoroughly with the correct operation of your electric scooter's controls, its features, capabilities, and limitations. This manual includes safe riding tips but does not contain any of the techniques and skill necessary to ride an electric scooter safely.

## Join the Vchains community of riders wherever you are !

 Facebook: Vchains Scooters

 Instagram: Vchains.Scooter

 YouTube: Vchains escooter

 Tiktok: vchains\_escooter



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# SPECS

Product Model	Explorer E	Explorer GT	Explorer Plus	Hunt
Battery Capacity	48V 15.6Ah/ 48V 18.2Ah	52V 18.2Ah/ 52V 23Ah	48V 18.2Ah/ 52V 18.2Ah	52V 18.2Ah
Motor	800w	900wx2	900wx2	900wx2
Mileage	50/60km	60/70km	60km	60km
Max Speed	25km/h	25km/h	25km/h	25km/h
N.W.	25.3kg	28.3kg	26.4kg	29.5kg
Charging Time	8h/10h(1xcharger)	5h/6h(2xchargers)	5h/6h(2xchargers)	5h/6h(2xchargers)
Suspension	Double damping	Double damping	Double damping	Double damping
Maximum load	120kg	120kg	120kg	120kg
Brake	E-abs+disc brake	E-abs-disc brake	E-abs-disc brake	E-abs-disc brake
Wheels	8.5 inch	8.5 inch	10 inch	10 inch

4. Mileage and speed may vary depending on the rider's weight, riding style and terrain. (Subject to actual)

# UNBOXING

Open the box using the box cutter and fold open the top. Inside you should see protective Styrofoam along with the following contents:

- Vchains electric scooter
- Hex key
- Manual
- Allen key x 1
- Charger x 1
- NFC card x 2
- Motor nut cover x 4

If any of these items are missing, please contact us immediately via [www.vchains.com/support/](http://www.vchains.com/support/). With the help of someone, remove the scooter from the box and place it on a flat surface. We recommend using a stool or bench for easier viewing.



# ASSEMBLY

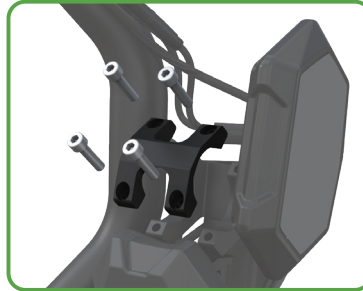


- A. Place the scooter on a stable ground or stand it on a bench.
- B. Unfold your vchains electric scooter. ensure the hook is not clipped into the rear foot rest.
- C. Lift the main upright rod to the correct position.
- D. Lastly, make sure the safety button of the folding mechanism is clipped in the stem.  
Press on the four nut sleeves

# Attach fixed handlebar



A. First, remove the vertical cover and the screws on the vertical.



B. Then, remove the screws from the handlebar clamp, and then remove the upper part clamp.



C. Next, straighten the display and pay attention to the wiring of the display.



D. After that, place the handle in the correct position.



E. Penultimate step, install the handlebar clamp and then install the four screws.



F. As the final step, place the instrument upright and tighten the screws on the vertical cover.



Fold the handle bar up. Make the folding grip fit with the gap in the middle.



Rotate both sides of the horizontal handle collar simultaneously.



it is difficult to continue turning. You will notice it has reached it's maximum.

 Incorrect assembly,maintenance,or use of your vchains scooter can cause component or performance failure, loss of control,serious injury or death.you must read and understand the entire manual and other accessories before riding.If you have any problem,welcome to our official website.

# HANDLEBAR



# Hunt



# Explorer E



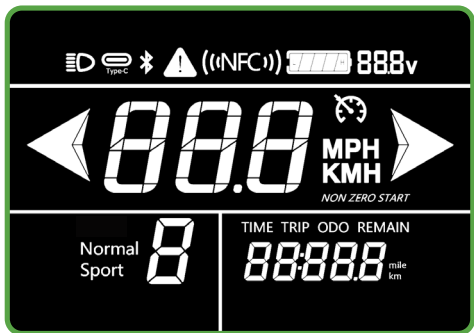
# Explorer GT



# Explorer Plus



# DISPLAY



- The left figure shows the status display of the instrument in normal use by default. You can change the status by setting it to obtain the desired parameters and status.
- The bottom left image shows all the parameters of this instrument. Below, I will introduce the specific meanings of the parameters.



When the headlights are turned on, the sign on the display will up, and when they are turned off, it will not be displayed.



The sign will be on when type-c is being used for charging.



The indicator lights up when a bluetooth connection is in use. (Currently, the standard bluetooth function is not activated)



When a fault occurs, the fault indicator lights up.



When the electric scooter is powered on, you need to swipe your card to activate the electric scooter, and the prompt sign flashes.



This is the remaining battery icon, each grid represents 20% of the battery. When only one grid is left, pay attention to charging.



This is the battery voltage sign.



When the left turn light is turned on, the sign flashes.This is the left turn signal light.



When the right turn light is turned on, the sign flashes.This is the right turn signal light.



When the double flashing turned on, the left and right signs flash at the same time.



Speed display sign,real time speed can be displayed on it.



This is the speed unit sign, you can choose the corresponding unit by setting it.



When the cruise control setting, Indicator light on.you can choose whether to turn it on or off by setting it.



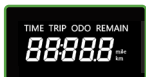
This is the zero start icon, and the state displayed on the left is not turned on.



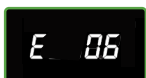
This is sports mode display,the general default setting is normal mode, corresponding sign display.



This is the gear display,there are three gears available for setting,the default setting is first gear.



Under normal usage, this area displays cycling related data. You can view different data through settings.



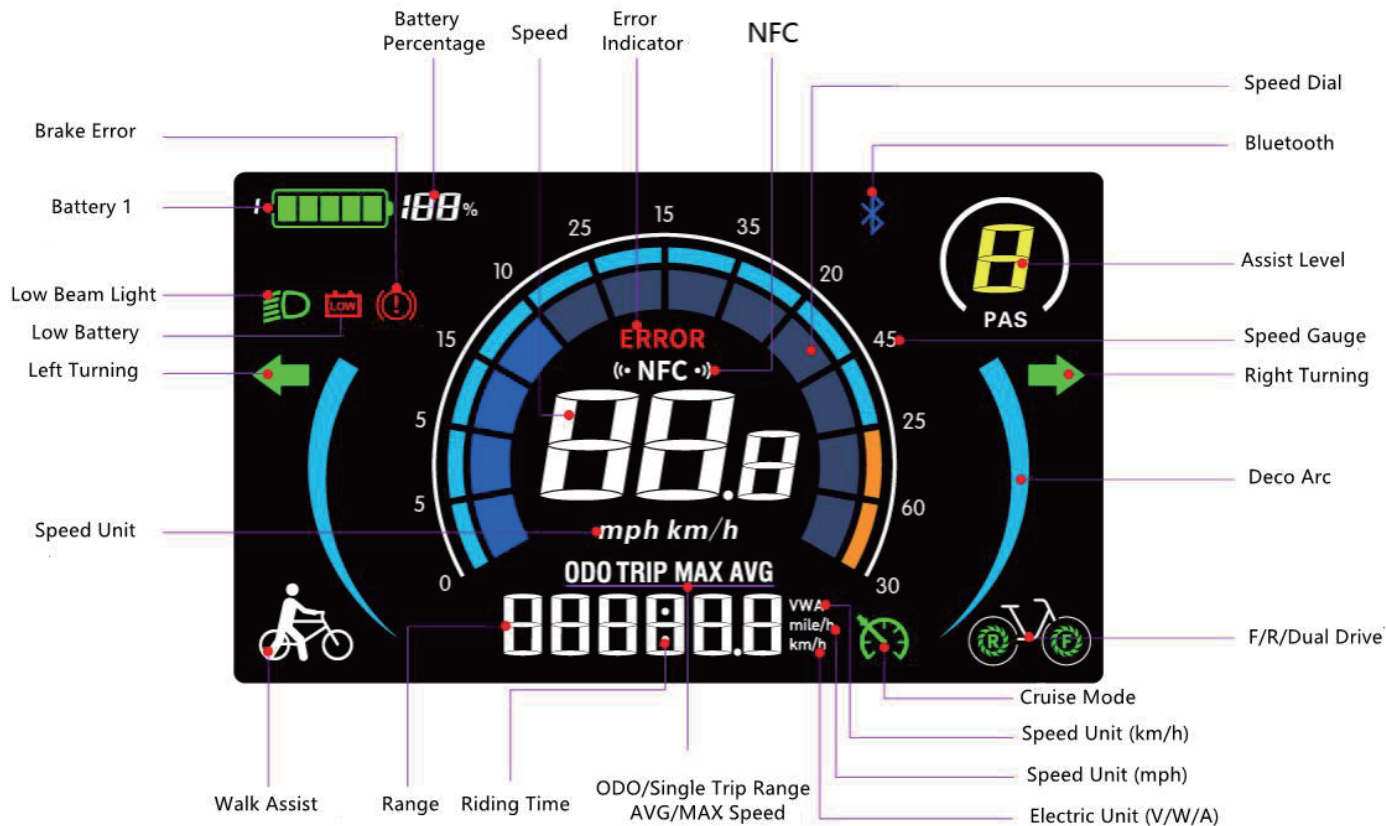
When the fault light comes on, the data on the left panel will become a fault indicator code. (Please refer to the table on the right for specific parameter codes)

## Fault code table

Status code	State meaning
Err00	Normal status (not displayed)
Err06	Battery under voltage
Err07	Motor hall fault
Err08	Throttle failure
Err09	Over current protection or controller failure
Err10	The display does not receive the controller
Err11	The controller does not receive the display signal

If you encounter any problems, you can contact us through email or website, and our technical support team will provide a solution as soon as possible.

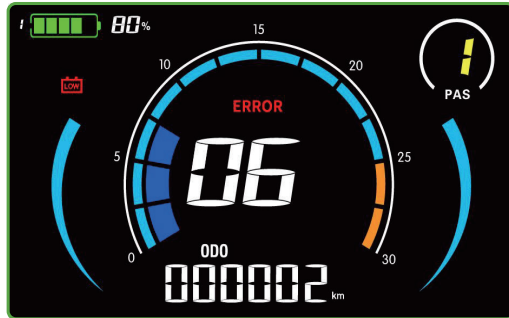
# Optional display interface



## Settings Page



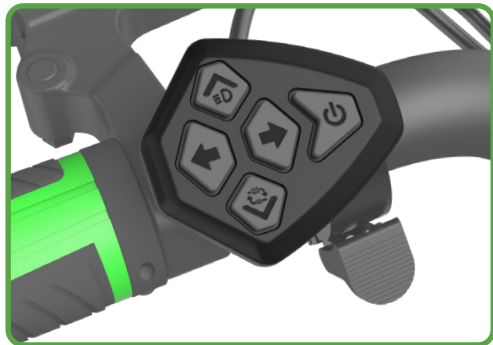
## Fault Page



## Under normal display

The optional display panel only has differences in interface and design, but the settings and functions are the same as soon as possible.

# KEY SWITCH



## ● Explanation

"In the setting interface, the left and right keys are used for switching options. The left key switches, such as (p02-p01), and the right key switches, such as (p11-p12). The up and down keys are used to change parameters. The up key is to increase (for example, the light turns on for 1-2), and the down key is to decrease (for example, the light turns dark for 3-2)."

**⚠ Please do not set the display during cycling.**

Power key		Short press the power key to start the machine when it is not started, and short press the power key to switch the display of time and mileage when it is started. Press and hold the power key to shut down.
Up key		Short press the up key to increase the gear, and long press the up key to turn on or off the headlights.
Down key		Short press the key to down-shift and long press the key to switch between single and double drive.
Up and down keys		At the same time, long press the up and down keys to enter the instrument setting interface.
Left key		Short press the left key to turn on or off the left turn signal, and switch options when setting the interface.
Right key		Short press the right key to turn on or off the right turn signal, and switch options when setting the interface.
Left and right keys		At the same time, long press the left and right keys to start the double flash, and press the left or right keys arbitrarily to cancel.

# Display settings

- P01** Backlight brightness: Level 1 is the darkest and level 3 is the brightest
- P02** Mileage unit, 0: km, 1: mile
- P03** Voltage level: 36V, 48V, 52V, 60V, 72V
- P04** Sleep time: 0, no sleep; Other numbers are sleep time, range: 1-60; Unit minute
- P05** Reserve
- P06** Wheel diameter: unit: inch; Accuracy: 0.1 inch

Round net value: 5.0-50

This parameter is related to the display speed of the instrument. It needs to be set correctly before the instrument can display correctly

- P07** Number of speed measuring magnetic steel: range: 1-100, default: 30

This parameter is related to the display speed of the instrument. It needs to be set correctly before the instrument can display correctly

- P08** Speed limit setting;100 represents unlimited speed.
- P09** Zero start and non-zero start settings, 0: zero start: 1: non-zero start
- P10** Reserve
- P11** E-ABS strength setting range: 0-5; 0 indicates no E-ABS, 5 indicates the strongest E-ABS
- P12** Starting strength setting range: 1-5; 1 is the weakest, 5 is the strongest
- P13** Reserve
- P14** Reserve
- P15** Reserve
- P16** ODO reset setting: long press the up key for 5 seconds to reset the ODO
- P17** Cruise setting, 0: disable cruise, 1: enable cruise
- P18** Displays the number of times the ODO has been cleared
- P19** The card binding interface displays the number of NFC cards bound , Press the down key 15 times to reset
- P20** Reserve

# OPERATION

## Charging

This section focuses on how to charge your scooter correctly. And precautions during charging.

### How to charge

1. Ensure that scooter is TURNED OFF. Connect external power charger to scooter.
2. Connect charger to electrical outlet, then turn on the power of electrical outlet.
3. Do not charge the batteries in temperatures below 5 °C or above 40 °C. The battery may stop the charging process.
4. Charging Light **Red** - Battery is charging.  
Charging Light **Green** - Battery is fully charged.

### — The following are things that are prohibited

1. Do not operate the scooter while charging
2. Do not store the scooter over a long period of time with an almost empty battery
3. Do not ride at extremely low battery levels, pay attention to the battery level before cycling



Standard configuration only has a single charger



Battery is charging



Battery is fully

# Battery

1. Charge the scooter fully after every ride. This will prolong the battery life.
2. If not used, power on the scooter once at least once a month to check the charge level. Ideally, the charge level should be between 70% and 90%.
3. Battery lifespan is related to storage temperature.

**!** The following are things that are caution

1. Do not leave the scooter in cold spaces (such as unheated garages or outdoor sheds).
2. Do not use chargers that are not sold or approved.
3. Keep the battery away from heat or fire, a failure to do so may result in a serious injury or death.



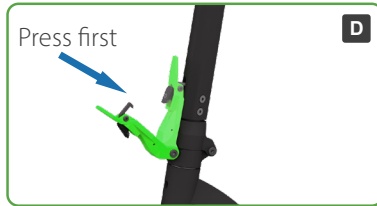
# Brake

Be sure to use the rear brake first for decelerating when stopping while driving. For safe stop, it is necessary to practice slow down after deceleration with rear brake.

Always use the front and rear brake levers together to stop smoothly and safely after decelerating with the rear brake.



# Folding electric scooter



A. Turn the handle mechanism anti-clockwise to loose.

B. Once loosen, pull the mechanism catch away from each other.

C. Simultaneously fold the handle bar down.

D. Press button, loosen the folding buckle.

E. Fold down the main pole.

F. Snap the handlebar's safety hook into the rear shim.

If it is a fixed handlebar, the folding step is CDEF

# PRE RIDE CHECKS



The tire is pressurized to the standard value on the tire.



Brake are working properly.



Ensure is fully folding switch locked .

## **WARNING!**

Certain countries of regions require safety devices or gear. It is your responsibility to know the state law,rules,regulations and follow them. However, we strongly recommend use safety equipment correctly before riding scooter.By purchasing a Vchains scooter, you assume the responsibility for its safe and lawful operation as well as the risks for any failure to safely and lawfully operate it.

## TIRE SAFETY

The tire is pressurized to the standard value on the tire. Is the tire able to rotate normally.

## SAFETY GEAR

Helmet: Most common and serious injuries from riding are head injuries. This can be prevented by a helmet. You must wear a helmet when riding the Vchains. The helmet must be worn according to their instruction.

## MECHANICAL SAFETY

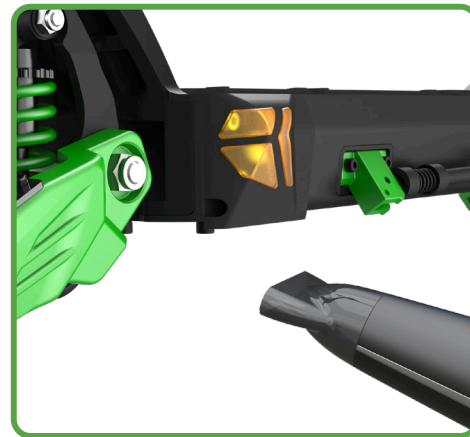
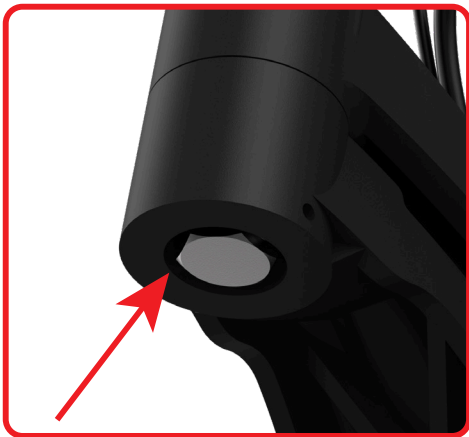
Before using the Vchains.

- 1) Always perform a visual inspection of all screws and nuts are tight and in place. If anything is amiss or missing and you are unsure, please bring it back to the authorized distributor or contact us via email.
- 2) Check the tires and wheels and that it is not showing signs of wear and tear; not in need of replacement. Always ensure that the brake mechanism is not touching the wheels and allows free spinning.
- 3) Always perform mechanical checks of brakes and other parts of the scooter that allows visibility, safety and functionality of the scooter.

Please be sure to carefully understand the preparation before cycling, even if you are an experienced rider. If you are not sure have the experience, skills and tools to correctly perform all assembly steps in the manual and the assembly video at our website ([www.vchains.com](http://www.vchains.com)) or consult our support team.

# MAINTENANCE

We recommend doing maintenance to your scooter every 3 months to make sure all of the components are working properly. If you use the scooter violently, the maintenance time should be shortened accordingly.



The following are key components that need to be tightened when cycling to 1000km

It is recommended to use a hair dryer to heat the screws before replacing them, in order to make it easier for the screws to be unscrewed.





























The tire of this product is a pneumatic tire. When feeling low tire pressure, it needs to be inflated. The recommended tire pressure after inflation is 45psi. The tire shall be inflated at least once every 2-3 months. Regular inflation can reduce tire burst and prolong the service life of tires. It is recommended that the tires be dismantled by professional maintenance personnel. It is very complicated to disassemble the wheels. Improper disassembly may lead to instability of the scooter body and other faults.




























Pull both brake levers. You should feel an obvious pressure point and the levers should not be able to touch the handle. When you press the brake, the brake should be sensitive. To ensure maximum service life of the brake components, avoid contamination of the pads and the disc by greasy substances. Regularly check the condition of your cables, ducts, or harness and the wear of your pads.

# SCREWS



number	Screw use/location	Size	Qty.	
<b>DISPLAY SCREW</b>				
1	Display cover fixing screws	ST2.9X9.5	6	
2	Display link fixing bolts	M5X10	2	
3	Display link fixing nuts	M5	2	
<b>KEY SWITCH SCREW</b>				
4	Key switch cover fixing screws	ST2.2X4.5	4	
5	Key switch fixing screws	M4x20	1	
<b>HEADLIGHT SCREW</b>				
6	Headlight combination screws	ST2.9X9.5	3	
7	The headlight is fixed to the headlight bracket screws	M6x40	1	
8	The headlight is fixed to the headlight bracket nuts	M6	1	
9	The headlight bracket is fixed to the main pole screws	M6x18	2	
<b>HOOK SCREW</b>				
10	Hook fixing screws	M4X6	2	
<b>FOLDING BUCKLE SCREW</b>				
11	Folding buckle upper fixing hook nut	M4x16	1	
12	Folding buckle upper fixing hook screws	M4x8	1	
13	Folding buckle fix internal mechanism screws	M4x8	1	
14	Folding buckle internal mechanism screws	M6x12	1	
15	Folding buckle below fixing screws	M6x10	2	
16	Folding buckle key screw	M4x12	1	
<b>MAIN POLE SCREW</b>				
17	Fixing screws for the main pole base	M6X14	4	
18	Main pole base screws	M4X6	1	
19	Main pole base connecting the stop shaft screws	M6x12	4	
<b>FRONT CONNECTION SECTION SCREW</b>				
20	Connecting the stop shaft screw	M5x10	1	
21	Connecting the frame screw	M4x6	2	
22	The front parts are interconnected screws	M5x12	2	
23	The front parts are interconnected bolt	M14X50	1	
24	The front parts are interconnected washer	M14	1	
25	Connecting suspension nuts	M8	4	
26	Connecting rocker arm nuts	M12	4	

BASE SCREW				
27	Base screws	M6x20	8	
28	Base washers	M6	8	
29	Base washers	φ6	8	
BODY SCREW				
30	Upper body and front connection screws	M4x10	2	
31	Body cover plate screw	M5x10	10	
32	Underbody screws	M6X16	16	
33	Underbody washers	M6	16	
34	Connection between body and lights	M4X8	4	
35	Connection between body and kickstand	M5x12	2	
36	Body light screws	ST3.5x9.5	8	
37	Body light nuts	M10	4	
BRAKE SCREW				
38	Brake pad screws	M5x12	12	
39	Brake block connection screws	M5X12	6	
40	Brake block screws	M6X16	4	
REAR FOOT REST SCREW				
41	Fixing screws for light wire	M4x6	2	
42	Rear fixing tail light screws	ST3.5x13	2	
FANDER SCREW				
43	Fander fixing screws	M4X8	8	
44	Rear fander reflector screws	ST2.9X6.5	3	
45	Fander fixing screws	M4X10	8	
46	Fander fixing nuts	M4	8	
47	Front fander fixing screws	M4X10	4	
OTHER SCREW				
48	Motor fixing nuts	M12/M14	4	
49	Rocker arm fixing wire screws	M4X6	6	
50	Folding handlebar screw	M6X10	4	
51	Pole cover screw	M6X16	1	



There are differences in some screws among the models, please carefully distinguish. If you have any questions, please feel free to inquire through the official website.

If you want to learn more about fasteners, please visit our official website. - [www.vchains.com](http://www.vchains.com)

# AFTER-SALES

Parts	Warranty content	Warranty period	Service content
Motor	Seriously broken rubber wheel hub,faulty motor	12 months	Free repair
Display	Unable to use with normal conditions	6 months	Free repair
Controller	Fault during normal use	12 months	Free repair
Charger	Fault during normal use	6 months	Free repair
Lithium battery	No output during normal use	12 months	Free repair
Framework	Deformation or fracture during normal use	12 months	Free repair

For any problem listed in following table,our will provide perfect after-sales service within the scope of warranty.

## Attentions for warranty

**Faults caused by any of following causes are not within the scope of warranty:**

1. Failed to maintain according to this user manual;
2. Damage caused by misuse, traffic accident or accidental collision;
3. Damage caused by riding on abnormal roads or accidental collision;
4. Please do not expose this product under blazing sun or outdoor for along time,as that will speed up the aging process of the product and cause malfunction;
- 5.Quick aging and malfunction of the product caused by dangerous play with the electric scooter,such as acrobatic play;
6. Damage of the scooter caused by natural disaster or irresistible force;
- 7.Excluded chemistry damage - Excluded water damage;

## Disclaimer:

1. The customer understands the risk of serious injury or death in the operation of such products and shall agree to take the necessary precautions and exercise good judgment to avoid hazards and dangerous situations which may result in serious injury or death.
2. The customer shall bear the personal injury and property loss caused by the operation and dangerous behavior on you.
3. We strongly recommend wearing protective gear before cycling, especially wearing a helmet and taking protective measures.
4. The customer is advised to take the following precautions:
  - a. It is not recommended to ride a scooter on damp roads or in heavy rain;
  - b. Take corners slowly and look out for pedestrians;
  - c. Avoid potholes, kerbs and debris on the ground;
  - d. Keep tires pumped to the specified pressure;
  - e. Dismount in places with heavy human traffic and push the scooter manually;
  - f. Service the product every 3 months on regular usage, 6 months for non-frequent usage;
  - g. Do not use product on public roads and respect local road regulations.

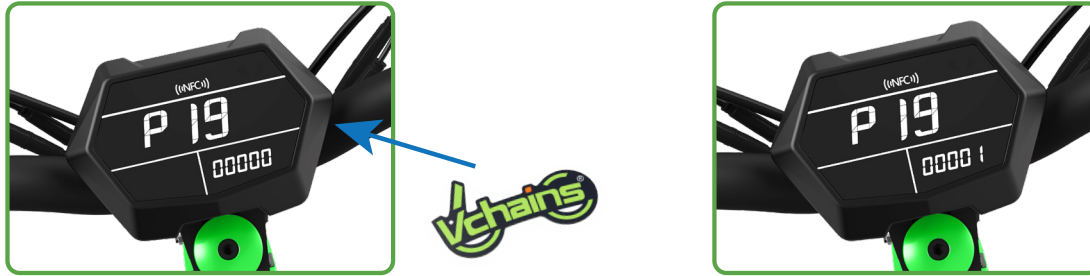
## How to request service under this Limited Warranty:

-welcome to learn more [www.vchains.com](http://www.vchains.com).



**What can the consumer do in case of a dispute with Vchains. The consumer and Vchains agree that in the event of a dispute arising from the material and workmanship of the Product; or from this Limited Warranty, parties will attempt to first resolve the matter by negotiating in good faith.**

## NFC binding








First, open the settings and switch them to P19, Then place the NFC card close to the display, an increase in numbers indicates successful card binding. (Press the down key 15 times to reset)

## ⚠ Folding wrench adjustment



Open the wrench, Unscrew the screws as shown in the diagram and remove the block, then adjust the screws, Tighten the middle nut outward to the appropriate position, so install the block and tighten the screws, finally, close the wrench.

**Thank you for liking Vchains scooters!**

-  Web: [www.vchains.com](http://www.vchains.com)
-  Facebook: Vchains Scooters
-  Instagram: Vchains.Scooter
-  YouTube: Vchains escooter
-  Tiktok: vchains\_escooter

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Ningbo Vchain Technology Co., Ltd.