



SAIGULA

赛古拉

Electric Bicycle Manual



Dear user's friends:

Thanks for choosing and purchasing our E-bicycle.

For you and others safety, please observe the laws and regulations of the country concerned city bike riding on the road, to ensure the bike excellent performance, stability, please read this user's manual before using new electric bicycle, and keep it well.

In this manual Provided the daily use and maintain knowledge, In order to you more familiar with use, any improper operation, is likely to damage your E-bike.


Due to continuous improvement in technology updates, you may not realistic with instructions slightly different, please prevail in kind..

This manual labeled notes  contents carefully read and observe.

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A. user Notes

Please user's attention 

Before riding, please read the manual carefully examine each component is in good condition, to ensure that your riding safety, such as the discovery issues, please contact the dealer in a timely manner.

Please comply with city traffic regulations, for security reasons we recommend that you wear a helmet, not allowed to bring; rain and snow and slippery areas should slow down, the brakes should increase braking distance to ensure the safety.

The car, according to the national standards and regulatory requirements, the car left brake control (brake) brake, right brake to control the front brake (braking);

Rim as part of the brake, when the occurrence of any of the wear, fissures, and should be replaced.

Do not disassemble decomposed parts, bicycle distributor to the Company at the purchase for replacement of standard parts and brand parts.

For the safety of others, do not lend your bike not operate the ride, and thus make your car from unnecessary damage.

Confidences to the user

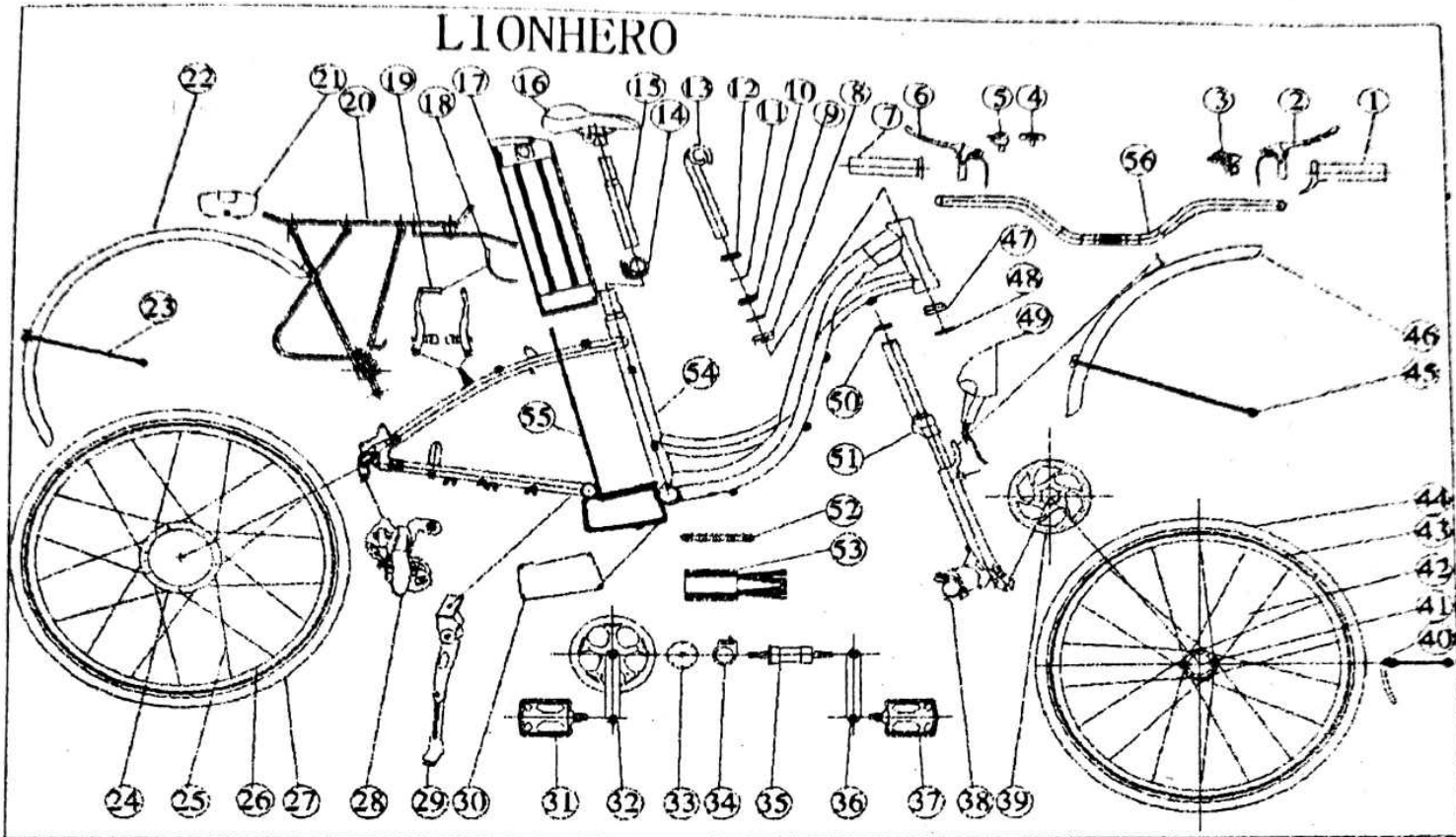
For your ease of use, and for you to safer ride, we deliberately prepared this manual. I hope she can help you a detailed understanding of the bike, and also hope that she will give you send a warm caring.

This bike has a unique beautiful shape, its state-of-the-art and reliable design technology, after-sales service system users in domestic and foreign markets established a good image. Body structure can withstand 100,000 vibration, shock devices, high-efficiency motors - and its drive system has become the bike leading the stylized advantage.

User demand is our pursuit.

Willing you can ride feelings, thoughts, opinions unreservedly tell us continue to promote our work, so our bike products more perfect. May we can provide you with a new service.

B. E-bike structure diagram



No	Name	Qty	Remark	No	Name	Qty	Remark
1	Throttle grip	1		29	Side stand	1	
2	Right brake lever	1		30	Controller cover plate	1	
3	Speed-change button	1		31	Right pedal	1	
4	Battery indicator	1		32	Right crank	1	
5	Ball	1		33	Sensor disc plate	1	
6	Left brake lever	1		34	Speed sensor (PAS)	1	
7	Left handle grip	1		35	Ball retainer	1	
8	Top ball head cup	1		36	Left crank	1	
9	Ball retainer	1		37	Left pedal	1	
10	Screwed ball race	1		38	Disc brake device	1	
11	Gasket	1		39	Disc brake plate	1	
12	Crown ball race	1		40	Folder	1	
13	Handlebar stand pipe	1		41	Front axle	1	
14	Saddle tube quick release	1		42	Spoke	36	
15	Saddle post	1		43	Rim	1	
16	Saddle	1		44	Tire	1	
17	Battery	1		45	Front fender brace wire	1	
18	V-brake elbow	1		46	Front fender	1	
19	Rear V brake	1		47	Bottom ball head cup	1	
20	Rear fender	1		48	Ball retainer	1	
21	Tail light	1		49	Headlamps	1	
22	Rear fender	1		50	Crown ball race	1	
23	Rear fender brace wire	1		51	Front fork	1	
24	Motor	1		52	Chain	1	
25	Spoke	36		53	Controller	1	
26	Rear rim	1		54	Frame	1	
27	Tire	1		55	Battery track	1	
28	Derailleur	1		56	Handle bar	1	

C. E-bike Main technical parameters.

1. E-bike technical parameters.

- 1) Total weight: ≤ 40 kg
- 2) Standard loading capacity: ≤ 75 Kg
- 3) Max speed: 20km/h.
- 4) Range: 30 ~ 45km/h.(In flat road with no wind and max capacity 75kg,keep 20km/h driving).
- 5) Grade ability : $\leq 8^\circ$
- 6) Rated output power: ≤ 250 W
- 7) 100km of power consumption: ≤ 1.4 kwh

2. Battery technical parameters.

Type	Lead acid batteries (maintenance).	
capacity	36v/10Ah	48v/10Ah
Rated voltage	/36v	/48v
Charge time	6-8h	6-8h
power consumption	≤ 1.2 kwh	≤ 1.4 kwh

3. Motor technical parameters.

Type	36V motor	48V motor
Rated output power	250W	400W
Rated voltage	36V	48V
Rated current	6A	6A
Working Efficiency	$\geq 70\%$	$\geq 70\%$

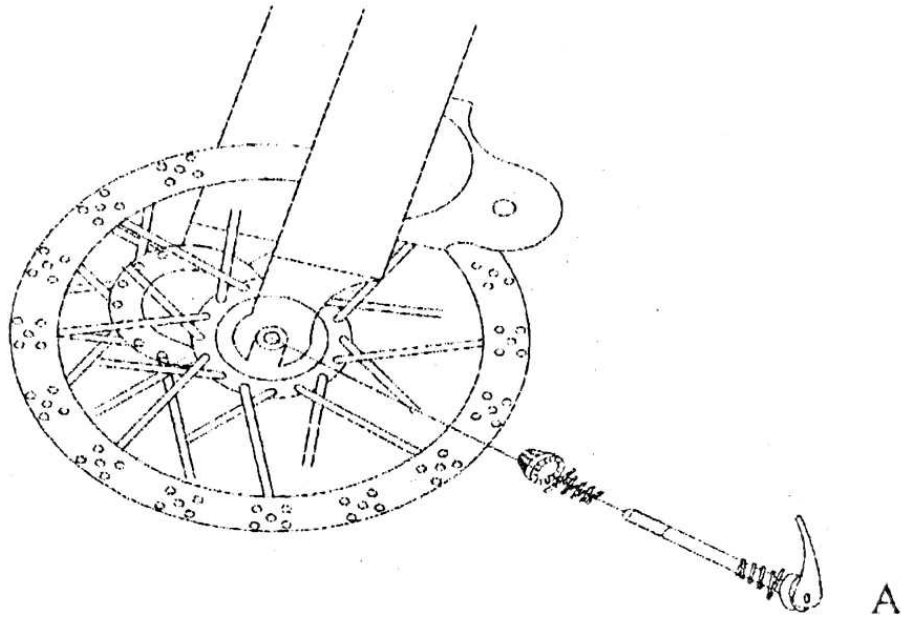
4. Controller technical parameters.

Type	36V controller	48Vcontroller
voltage protection	31.5 V \pm 1V	42V \pm 0.5V
Current protection	12A \pm 1A	13A \pm 1A

D、 Second, the main components to install, adjust

1、 the front wheel is installed:

Unscrew the nut of the quick-release lever, leaving a spring (wrists), across from the disc brake side of the hole, at A lever outwards, the other side of the spring-loaded (wrists), unscrew nut (tightness at A lever inward by hand tight position). Figure 1



A Department

(Figure 1)

2、 Handlebar mounting:

Handlebar line tube rows Soon after, the center put away the brake forward about 15 degrees down, tighten the screws, the top and bottom openings symmetry the fastening screws tightening torque is not less than 19.6Nm.

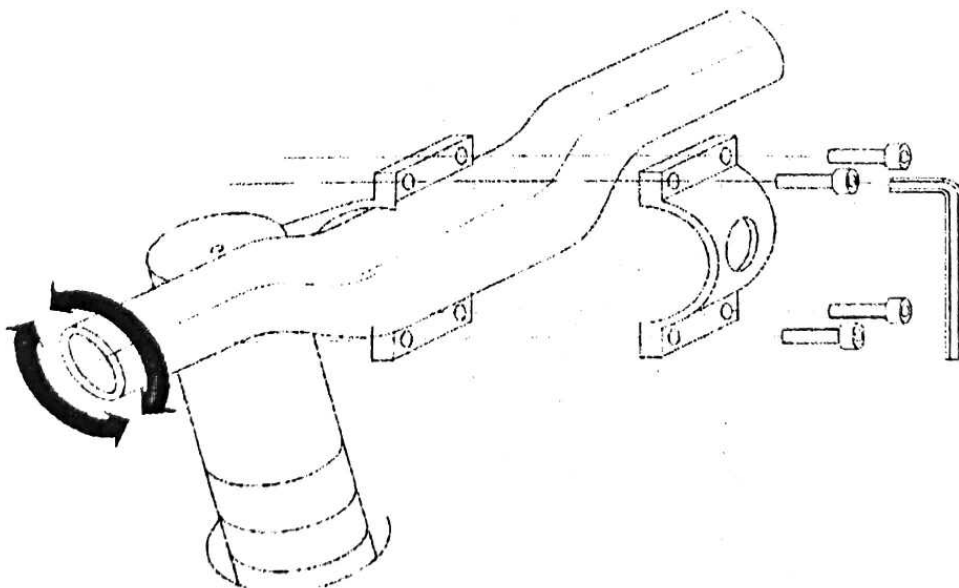
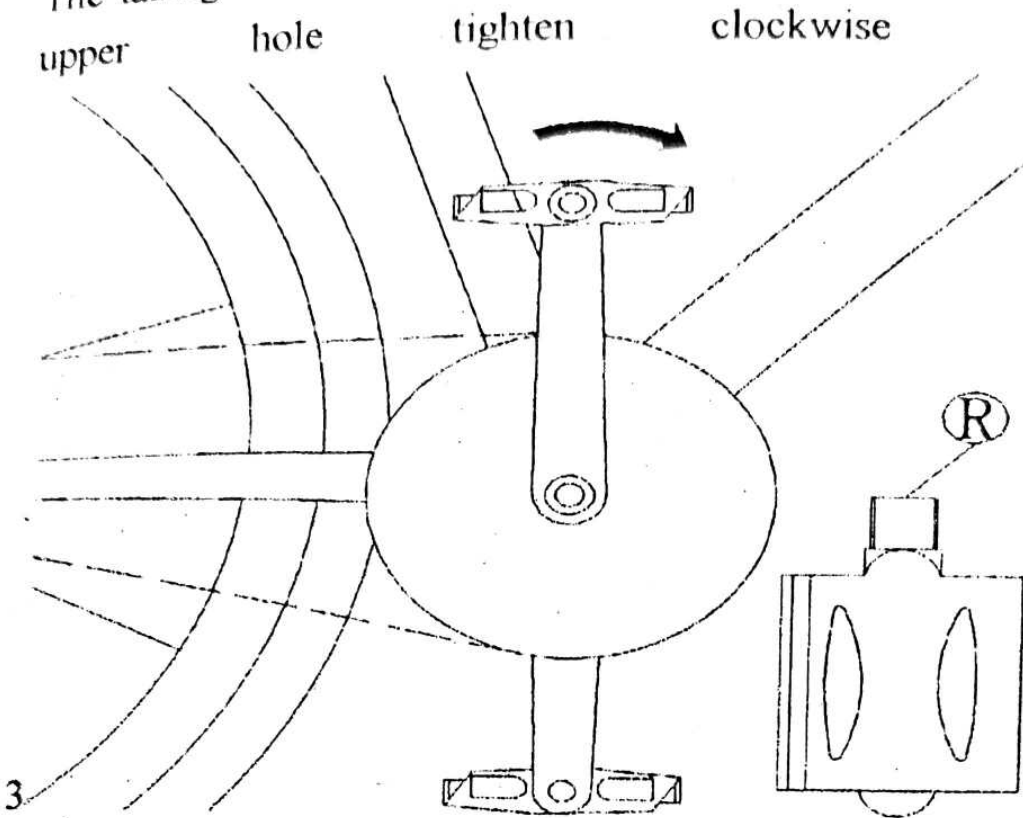


Figure 2

(Figure 2)

3. Right foot installed

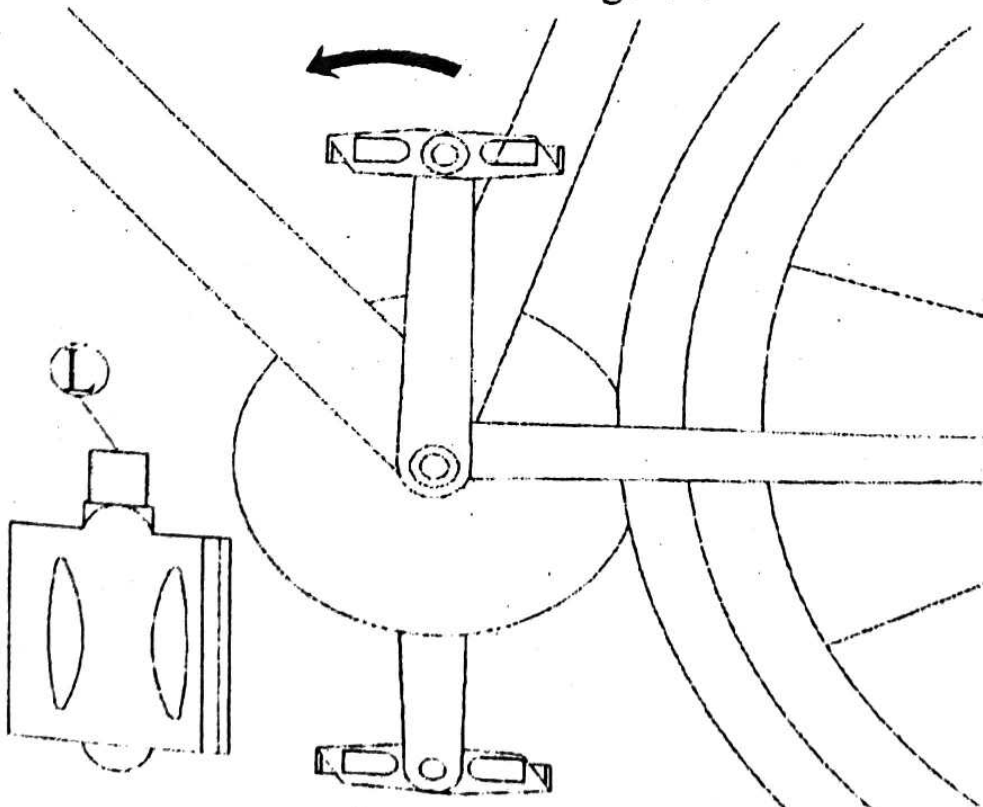
The taking of the "R" word identifies the pedal crank chainring side of the upper hole tighten clockwise direction.



(Figure3)

4. Left foot on the installation

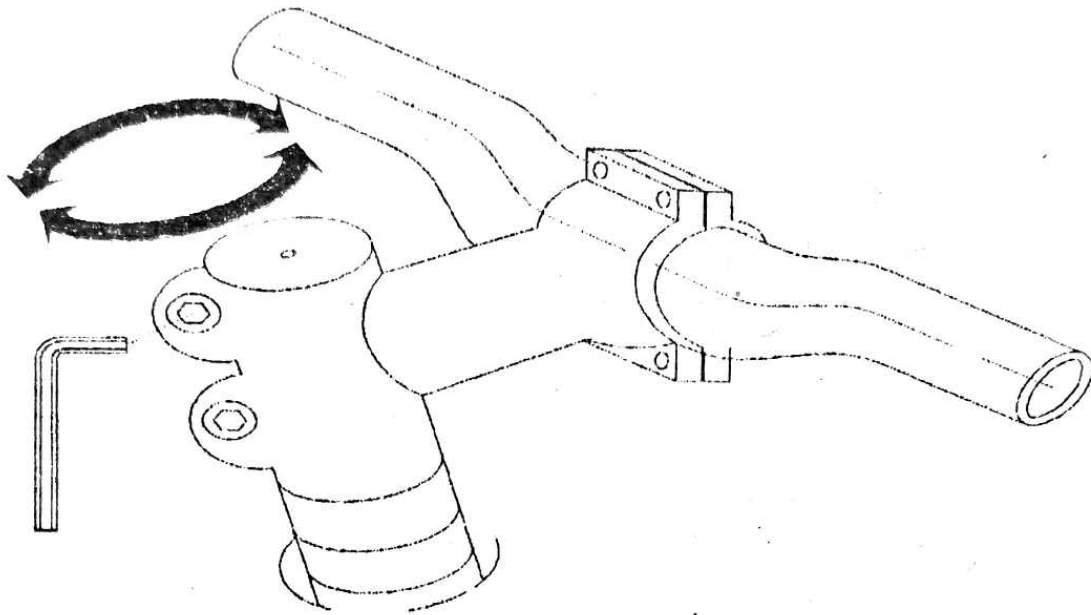
Take the foot of the "L" word identification, the temple side of the crank on hole tighten counterclockwise. Figure 4



(Figure4)

5, handlebar adjustment

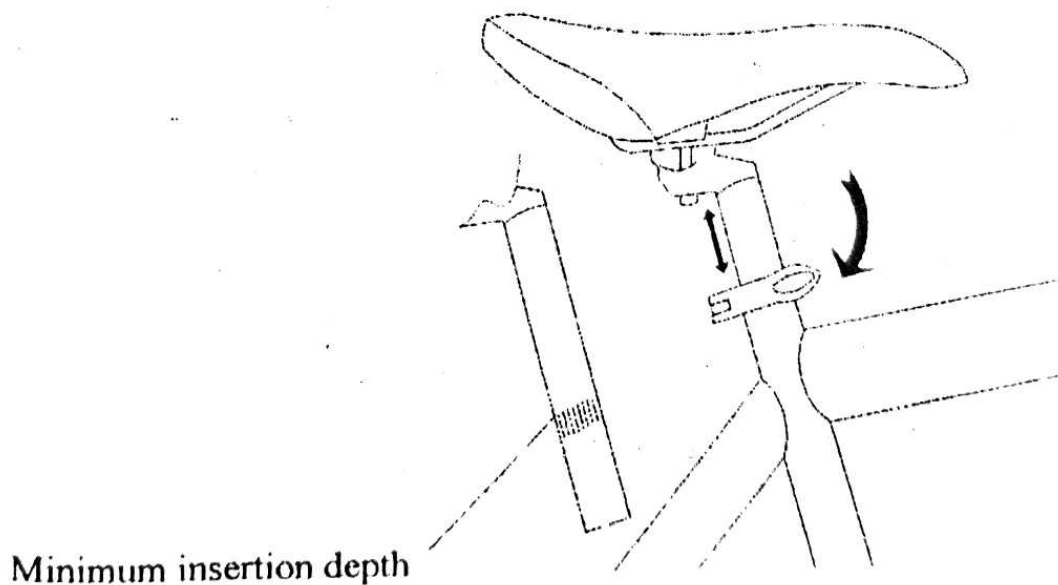
If the handlebars and the body is not a 90-degree angle, loosen the wrench at the screw, a good tune into 90 degrees locking screws tightening the screws tightening torque is not less than 19.6Nm. Figure 5



(Figure5)

6, saddle up and down adjustment:

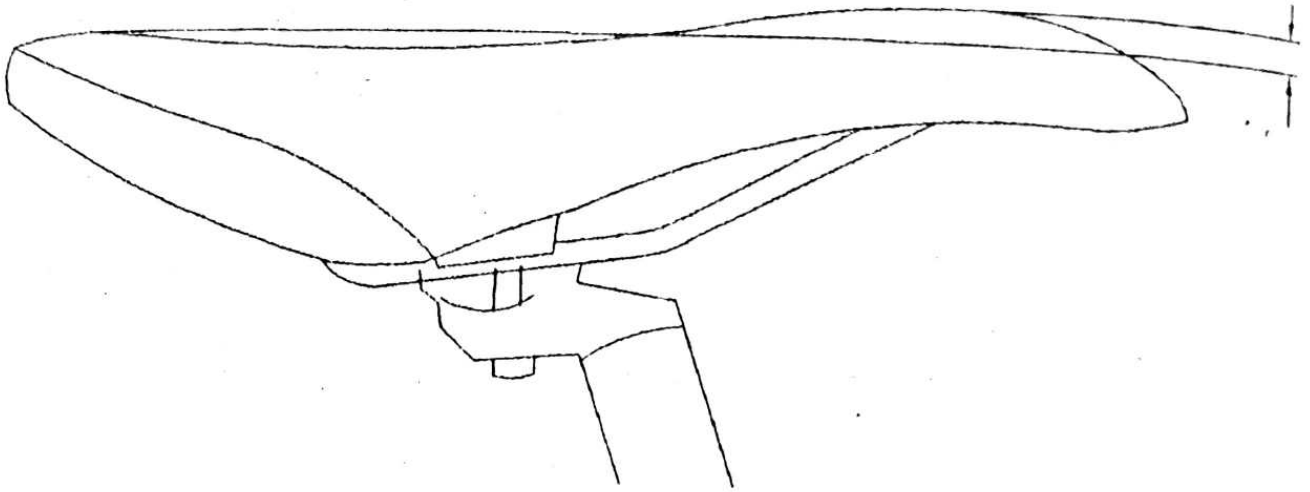
Hand to break apart the quick release buckle transferred to the saddle riding position, clawing back the quick release buckle can insertion depth can not be less than the security line (minimum insertion depth). Figure 6



(Figure6)

7、 Saddle angles standards:

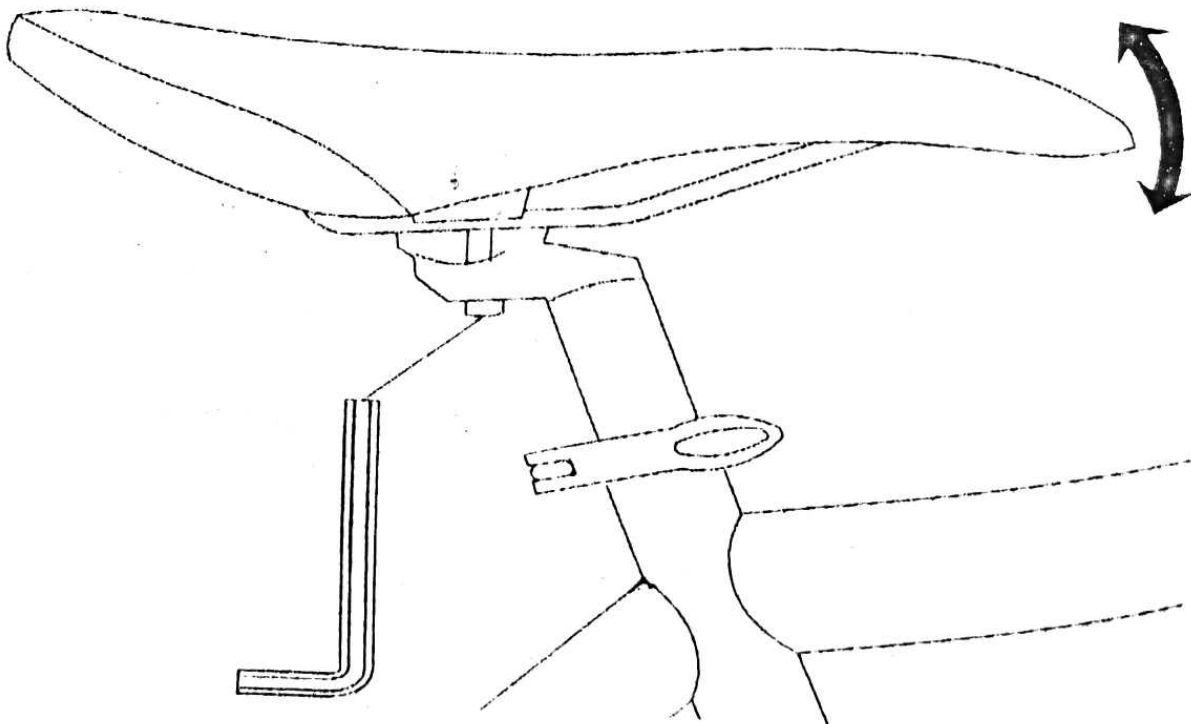
The saddle angle standard for slightly at within 3-5mm.



(Figure7)

8、 Saddle angle adjustment:

Saddle angle adjustment according to the standard or regulation by personal habits, release the wrench at adjustment screws, tighten the screws tightening torque is not less than 19.6Nm transferred to a suitable position. Figure



(Figure8)

E、 Product characteristics

1. a three-dimensional vehicle body, in accordance with the principles of ergonomics, materials, mechanics, aesthetics, scientific design, in order to achieve the best riding effect.
2. Thin, light, beautiful selection of parts material, riding safer. Riding easier operation.
3. welcome you to choose with mileage charge electric vehicles, the power display table has many functions, it will make you feel sweet design concept, in use process, please read in detail before use.
4. The battery voltage, capacity surplus.
5. After the night light function and reflector, after let you ride at night is more safe.

Battery charge instruction

1. when the input, output end of the charger connected the charger the red indicator light will light up.
2. The standard charging time: in accordance with the time prescribed by the form a complete set of special charger to charge. Ambient temperature of 25 °C or so, lead-acid battery for 3 to 8 hours.
3. charging the summer, lead-acid battery charging time should be 3 to 8 hours, more than 40 °C, if the battery temperature suspend charging, when the temperature drops, continue to charge. Charging in winter, should be placed inside an hour later, the time should be 4 to 10 hours.
4. The charger have over-current protection device, charging for a long time (generally no more than 18 hours will not affect the life of battery and charger.

charging attention

1. When charging, please placed in the safety of the children can't touch.
2. In the absence of a full charge should not be used.
3. Please do not use other brand charger, other types of unfavorable also use the battery charger.
4. Charger contains high voltage circuit, do not disassemble without authorization.
5. When used and stored should prevent liquid and metal debris into the charger inside, Carefully avoid fall off and strike, so as not to cause damage.

6. When battery in charge, do not cover anything above it.
7. This charger is for indoor use, please use in dry and ventilated good environment
8. When you are in the process of charging, smelling, or temperature is too high, please stop charging and immediately sent to the agency to overhaul.

Battery dismantle.

1. Inside the battery key to open the counterclockwise direction.
2. After opening, seize the battery compartment handle pull out the battery.
3. When installing battery cells back into the original position clockwise with key lock well.

F. riding Precautions

check before riding

In order to ensure the security of your journey, I hope you do the check before riding:

1. Tire pressure is normal
 2. The front and rear locking fastening front wheel nut tightening torque is not less than 19.6Nm rear wheel nut tightening torque is not less than 30Nm.
 3. the transverse stem fastening nut tightening torque is not less than 19.6 nm, the riser insertion depth of not less than 2.5 times the diameter of the riser (insertion depth can not be exposed to riser safety line).
 4. saddles, saddle tube fastening nut tightening torque is not less than 19.6 nm, the saddle tube insertion depth of not less than 2.5 times the diameter of the saddle tube (insertion depth can not be exposed the saddle tube safety line).
- The chain should be tightened to adapt to the distance between the chain free sag with the taut between 5-10mm.
5. Brake reliable brakes debugging, reset, rain and snow should increase braking distance.

Where folding feature models before riding quick release device must be locked!

6. Bicycles normal load shall not exceed 75kg (including rider weight + Carried).

How to start the E-bike

1. Take switch the key inserted into the battery compartment ON the right side of the power switch, spin to the ON (open). The power display lights, said power supply has been switched on.
2. (counterclockwise) inward rotation speed (right hand) Vehicle to start, speed regulation
3. The rotation Angle from small to large, the speed from slow to fast. Help function models, with the rotation of the wheel, the E-bike has been up and running.

Driving on road attention

1. Has just started, the vehicle should slow acceleration, lest cause startup electrical instantaneous acceleration. Through the great waste of electricity, auxiliary pedal better start.
2. To the battery, motor maintenance, the vehicle start, climbing, please use pedal power.
3. In order to ensure safety under the premise of driving should be adopted as far as possible the economic speed. and
4. As far as possible reduce frequent braking, frequent start, to save electricity.
5. After driving should be avoided in the brakes still tighten control of the phenomenon, in order to avoid electrical overload too much. And damage other parts .
6. The local controller is equipped with overload protection function, overload will automatically cut off power supply, to be back to normal, the power automatically switched on.
7. Default of the maximum load of 100 kg (including the rider weight). Please do not overload.
8. In the mud, or as far as possible when driving on uneven road with human drivers.
9. When found to have electricity to drive should shut off the power when riding, in order to avoid damage to the electrical appliances.

E-bike parking attention

1. When you get off for should shut off the power switch, in order to prevent the implementation of rotation speed control using or spin, the car suddenly started and accidents.
2. Parking should be shut off the power, remove the key.
3. For your driving safety, but also make your bike can remain in the best condition, regular maintenance and cleaning.

G. Maintenance instructions

(Ii) regular maintenance of the self-test content

- 1, the front and rear screws are properly tightened.
- 2, tire tread for wear and cracking. Front and rear tire pressure is appropriate. The drive system is smooth.
- 3, the various parts of the joints are normal: whether the brake line zipper lubrication state.
- 4, if long-term use of the car, please pay attention to do on a regular basis in order to maintain your battery charge (usually about two months apart).

(Iii) maintenance cleaning instructions

- 1, use a mild detergent, paint or plastic parts at the surface dirt gently wipe with a rag, and then use a dry cloth to test the net can be.
2. lubricants wipe the metal parts of the car body maintenance.
3. non-oiling to the front and rear gates, round steel, tire.

(Iiii) bicycle maintenance and brake adjustment

1. Lubrication maintenance bike, deal with the front axle, the bottom bracket, flywheel, fork and shock absorbers but not once every six months to scrub the pivot point, the need to add butter or oil.
2. The adjustment of the brake system: brake wire bracket on the screws to loosen, then pull tight or loose brake wire so that both sides of the brake block average distance from the rim to the 1.5mm-2mm and then tighten the screws.
3. after the bike ride for some time, sometimes the chain will be loose, adjust as follows:

Loosen both sides of the rear axle nut, tighten the nut of the tone chain until the chain of moderately elastic, while paying attention to the rear wheels and the frame parallel to the plane, then tighten both sides of the nut. If the chain is tight, the reverse operation can be above. Chain sag elastic fit (10mm-15mm).

4. adjust the handlebar level of attention to the line should not be exposed in charge of security. And pay attention to to the core screw tightening torque fastening bolts torque less than 18N.m. the crossbar not less than 18N.m..
5. when adjusting the saddle high and low, pay attention to the safety line on the saddle should not be exposed, and pay attention to the the saddle clamping nut and saddle tube clamp bolt tightening torque is not less than 18Nm.
6. Should always check the brake performance is good, pay attention to the rain, snow and downhill riding increase braking distance.

Lubricating parts	Lubrication cycle	Recommended lubricating oil
Fork together pieces	Year	Butter (lithium grease)
Front and rear axles.	Year	Butter (lithium grease)
Axis	Year	Butter (lithium grease)
Pedal shaft	Year	Butter (lithium grease)
Sprocket wheel	One week	Lubricating oil
Chain	One week	Lubricating oil
Flywheel internal	January	Lubricating oil
Brake lever	January	Lubricating oil

Simple difficult to solution

situation	solution
Switch back to ON position, the power indicator light ON, rotational speed, the car does not start.	Battery and battery pack it fits, battery pack Whether to lock the lock. Whether the fuse fusing, electricity. Pool controller fuse burn burned inside the box, motor Don't change when turning, unscrew the fuse change with the gauge Of the fuse.
Power switch back to the ON position, the rotation of speed regulation, E-bike don't start.	Check whether controller transmission line in the access state.
Speed after the pause when the rotation, cars don't start.	Check whether the breaker to reset, is still in a state of brake power.
Speed slow.	Check whether controller zip in lubrication condition, speed adjustment, can fully battery is fully charged.
When charging, turn on the juice and light is not bright.	Check if there is a electric power source.
When charging, the charging plug insert battery, charger a green light, red light lit up all.	Check whether the charger plug.
If the above all normal, other and all at this time, please send to our customer service or franchised dealer, a professional repair.	

E-bike common problem and solution way

Fault situation	Fault judge	Fault solution
Dial indicator light is not bright, the motor does not turn	The battery voltage in the undervoltage state	Charge immediately
	Exceed battery use life	Change battery
	Power lock is bad	Change power lock
Power lock after open motor high speed cannot control (speed)	Three connection handles and controller according to the wrong location	Reconnect
	Inside the controller component damage.	Replace the controller
When the motor stops when turning	Touch the point contact bad batteries	Adjust or grind the contact
	Power lock burn without contact	Replace the power lock
After a charge of the battery 's short	Battery life end	Change battery
	Battery voltage does not match	Maintenance or replacement battery
Battery is not power on or charge less than electricity	At the end of battery life	Change battery
	The charger has no output	Replace the charger
	Charger and charging plug contact undesirable	Replace the charging socket
Lamps are not bright	Headlight switch bad	Replace the switch
Controller components burn out	Controller in the water, short circuit, element to burn	Replace the controller

Sixth, common maintenance instructions

J. In view of the above reasons, our company propose the following:

1 in accordance with the the standard debugging brake system, the brake system standard

(Barrage skin distance from the rim shall not be less than 2mm, the stronger after brake flexibility).

2. In accordance with the standards, the air pressure of the front and rear tires should reach 280 - 450Kpa.

IMPORTANT NOTICE 

1 to prohibit unauthorized Chaigai or modify the car, the company can not afford the resulting loss can make you lose the warranty. Fails, contact your local dealer or service center designated.

2 minors, pregnant women and the elderly, do not use the bike.

3. Disassembly bodywork modified vehicles, will give your bike unsafe and dangerous.

4. Non-downhill speeding in high speed brakes, do not use the front brake (right brake), so that the center of gravity forward danger.

5. Brake parts prohibited oiling avoid brake problems, dangers.

6. Before riding must confirm the safety and reliability of the brakes, seat, frame, handlebars, wheels and avoid accidents. .

7. The bicycle design cities use bicycles should avoid the uneven, muddy gravel road, traveling stairs to prevent flat tire, rim deformation, damage your bike danger.

8. Handlebars can not be linked to objects traveling operation in order to avoid loss of control accidents.

9. Bicycle riding, for one is not the center of gravity offset unstable operation, should not be manned.

All the terms of matters of the manual final interpretation belong our company.

(End) Thanks!