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The implementation of after sale service
The SANYA electric bike sales shop you patronized
can provide the after sales service including
inspection and repair.

Your place of purchase a bike:

SANYA ELECTRIC BICYCLES

INSTRUCTION MANUAL

⚠ Please read these instructions carefully! This manual contains important safety information!

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SANYA E-BIKE I CAN TRUST !



Sincerely thank you for your love of SANYA electric bikes and warmly welcome you be a user of SANYA

This instruction manual applies to SANYA series of electric bikes

The manual, a detailed description of the proper use and safe operating instructions, as well as routine inspections, regular maintenance, common fault handling methods, etc.

In order to be able to ease your operation, and also to ensure that your riding safety, please read this manual carefully before driving the bike.

You can get the following documents with the vehicle from the dealer when purchasing the bikes:

- 1、《Manual》
- 2、《Guarantee Card》

Please verify the above information when purchasing and be recognized on the following matters:

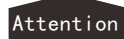
- Proper use of vehicle
- Routine inspection, regular maintenance
- Content and time limit of repair, replacement and return
- Fill in the warranty card

★-1: If you transfer the electric bike, be sure to give the manual to the new user

★-2: Do not lend the bike to people who do not know how to use to avoid unnecessary harm

★-3: The product specifications are subject to change and when the icon is not consistent with the manual without prior advertised.

This manual by the following schematic symbol

	Related to the safety precautions
	This manual (prohibited) content
 Warning	If used improperly, can cause accidental injury
 Attention	If used improperly, can cause injury or loss components
 Tips	the correct method of operation and maintenance inspection

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Chapter 1 Riding Safety



1、For your own safety

This chapter introduces you to some basic safety knowledge and the rules of the road must be complied with. When driving the electric bicycle, if we can comply with the requirements described in this section, will be able to operate safely very freely.

★Right dress for driving safely

- Please wear a helmet to drive the electric bicycle.
- When driving electric bicycles, should wear bright eye-catching and appropriate preventive measures.
- Please select the fit shoes .
- If you develop a poor driving habit, it will ignore some attention and cause unnecessary accidents.

★Must implement routine maintenance and periodic maintenance

To prevent failures and accidents, please do routine checks before use each day. Meanwhile, please go to SANYA dealership or service center designated for regular maintenance in six months time.

★Abnormal condition

If the vehicle has a different sound, smell, abnormal vibration, etc., indicating the vehicle has malfunctioned. If you continue to use that may affect driving even lead to injury. In this case, the SANYA designated dealership or service center as soon as the vehicle inspection, troubleshooting after use.

★Move the bike

Please turn off the power

★Riding during rainy and snowy days

Due to slippery road surfaces, while riding during rainy and snowy days , please note that the brakes in advance to ensure that the braking distance.

★Hands grip, feet on the pedals

Hands grip, feet on the pedals when driving

★Capacity of riding for a person only

In accordance with the Road Traffic Act, the non-motorized bike, so a person riding more appropriate.

★Do not take a sharp turn

May cause a sharp turn when the vehicle lateral slide or dumping

★Do not attempt to modify without formal way, the cart modified with formal way can not enjoy the treatment for repair, replacement and return

Modifying hasn't been approved privately transformation will affect the operational stability of the vehicle, it also shortens the life of the vehicle, and even cause major accidents and serious faults.

Chapter 2 Features of Electric Bicycler



2、For pedestrian and other drivers

★Pay attention to the surrounding people

Please observe the movements of pedestrians and bicyclists around while driving; through the sidewalk or intersection, please slow down.



★Stop the bike

- In order to prevent the vehicle stolen, when you leave, be sure to turn the power off, lock the vehicle, take good care of the keys
- Please carry valuables.
- Do not stop at the traffic areas.
- Please park on a flat surface (if uneven, tilted, soft surface parking, put the vehicle may cause instability, resulting in dumping.)

3、For environmental-protection

★Protect the environment by everybody

Environmental issues is that each of us are very concerned about the subject, but also the duty to each person. The electric bike lead-acid batteries used, the impact if not properly handled and throw anywhere on the environment.

Therefore, you are using an electric bike if you need to replace the battery, or other components in preparation waste, go to your dealership to buy the car for consultation.

4、Replacement parts and vehicle handling

★Replacement parts

Please go to SANYA designated repair shop to replace the parts, and use SANYA specified parts.

⚠Warning

Use parts from companies to provided or recommended might cause an accident or malfunction, and can not enjoy the treatment of repair, replacement and return.

★Handling vehicle

When handling by cars and other vehicles with electric bike , remove the battery and then transport. If the transport without removing the battery, since the battery is heavy, the vehicle body may cause damage to the battery itself.

After removing the battery keep prevent battery damp, roll, thus affecting battery performance.

Chapter 2 Features of Electric Bicycles



1、Changes of mode

Driving vehicles by switching modes, can effectively control the output current, and can extend vehicle mileage.

In general, the state mileage can reach more than 40KM

★Satisfying the above conditions must

1) Does not exceed the new battery, at room temperature 25 degrees, load capacity (including humans and loading) lower than 90KG, smooth, flat dry road, no wind, without the use of pre-light state. Depending on the riding habits and different road conditions, after each charge mileage may vary. (The company's test data)

2) From the characteristics of the battery is concerned, as temperatures drop, the battery internal temperature will fall, vehicle mileage will be shortened. (Conversely, the rise in temperature, mileage along with the extension.)

★After each charge mileage will change with the following conditions change

Start, stop times, the weight of the vehicle, and the number of uphill slope angle, road surface condition, wind direction, wind speed, temperature, state of charge, the degree of use of the battery, a pneumatic tire status.

In particular into the winter, with the decrease of the ambient temperature, vehicle mileage will also be shortened. In principle, you can make the following preliminary judgment.

Use environmental temperature of 25 degrees as the standard, the temperature dropped a degree, the battery capacity dating down 1%. Example: When the ambient temperature of 0 degrees, about 70% of battery capacity.

Lead-acid battery having the above characteristics. With the differences between individuals, there are also differences between the cells.

2、Brake

Front and rear brakes when used alone, have the brakes off functions.

① Front brake: with power on the front wheel brake function.

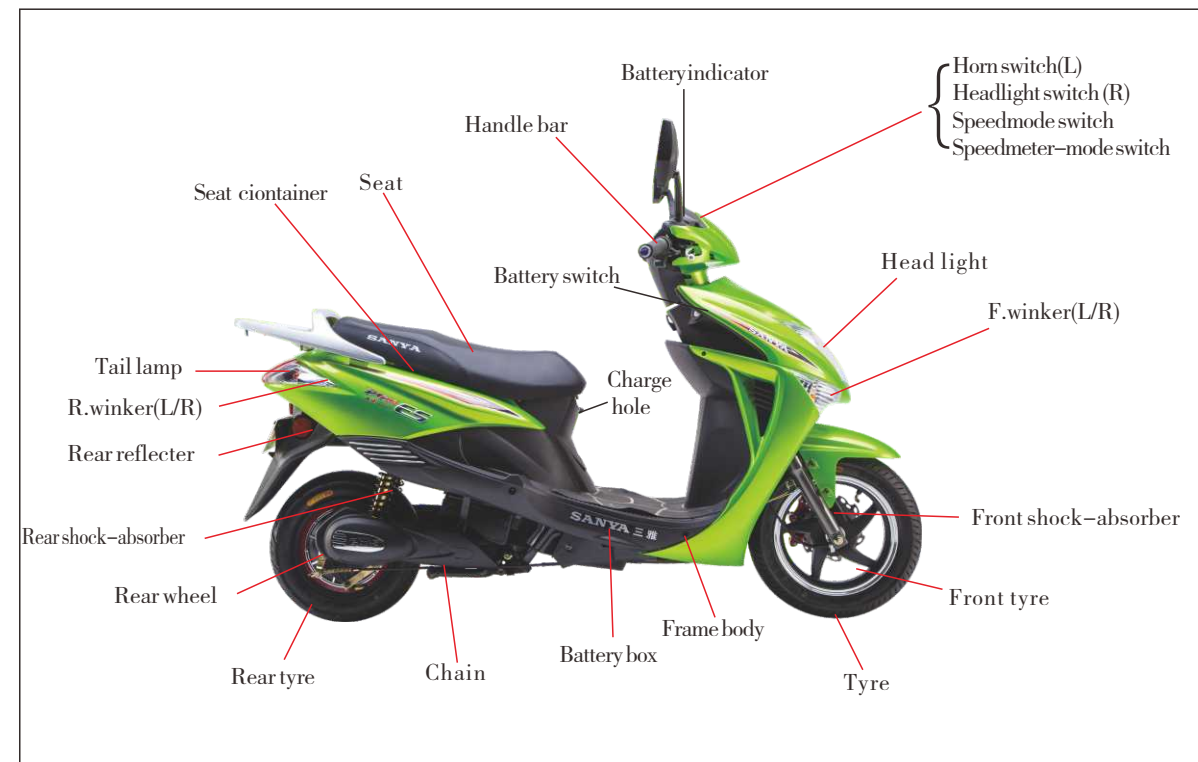
② Rear brake: without power, rear wheel brake function.

In order to improve the function of the brake when braking in a better way, please use the front and rear brakes simultaneously under occasion .

Chapter 3 Name and Operation



1、Name of each part of the motorcycle



Chapter 3 Name and Operation



2、Check the parts before using (Refer to Schematic diagram of inspection parts)

1 Horn

Sound should keep loud and clear

6 wheel axle fixed

Front and rear wheel axle must fixed, fasten it once they loose or shake

2 Adjust the brake handle and brake stroke

Hold tight of the brake handle, the brake should function once the stroke reach $\frac{1}{2}$.

7 Tyre inflation

Make sure the tire pressure is adequacy. Wrong pressure will cause tire explotion or other spare part loose. Inflate the tire according to the mark outside
(E.g: DORO 270-370KPA)

3 Power of Battery

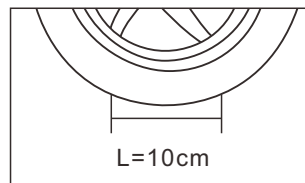
Turn on the power, check the power balance via the balance lamp

4 Battery Installation

Make sure the battery in fastened

5 Reflector fouling

Keep the reflector clean and shine, clean or change the reflector immediately if it's dirty or damage



Chapter 3 Name and Operation



3、Switch

On means power is on and seat open

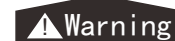
- Accordingly to the power display and the speedometer to judge the mileage.
- Please do not remove the key

Off means power off

- Shut down the power
- Key can be removed after power off

Open means the seat opens

- The seat can be open



Do not shut down the power when driving or there will be accident.

After motorcycle parked then power can be shut down.

Attention

Do not operate the main power switch under charging status.

8 Running of the dynamics system

After starting, the motor should operate normally. If there is any wired sound, smoke, odors or other anomalies, please stop using it immediately and consult dealership.

9 Headlighting / Illumination angle of headlights

Make sure the headlight can illuminate to 4 meters. If the front does not light, then go to the repair shop for repairs.

Schematic diagram of inspection



Chapter 3 Name and Operation



4、Operation of each switch on the handlebars

★Horn button

Press the button to sound the horn. In order to reduce noise pollution of the city, please use it when necessary

★Headlight switch

Switch to the position of the right handlebars , the headlamp lights
Press the distance light switch, switching the distance light.

Attention

If the lamp needs to be replaced when damaged, please use the correct specification of the bulb. If you do not use a regular light bulb, it may cause the headlight not working. Recommendations to Sanya designated service center to replace.

★Mode Switch

There are Climb, Economic and surpass mode, switch when necessary.

Climb mode: Good dynamic performance.

economic mode: Long distance drive.

surpass mode: Hight speed drive.

★Winker switch

There are left and right winker switch, swich them when necessary

★Throttle grip

The main power switch in the ON (open) position, turn the throttle grip, you can start the car.

Adjust the speed via the throttel grip

Attention

In order to prevent the vehicle suddenly fiy out, in turning the throttle grip, even if the main switch is opened, the vehicle will be self-locking motionless. Once the throttle grip reset, the bike will return to normal status

Chapter 4 Battery Charging



1、Charging

The charger is made by SANYA and special for 48V 、60v 、72V.

Out put of the charger: 48V-3A 、60V-3A 、72V-3A

Battery type: Lead acid battery

Quantity: 1 set

Attention

Prohibit to use of charger which is not consistent with the voltage.

2、Charging beyond 48V series battery is forbidden

Please do obey the below "WARNING" "Attention", charging in a safe condition.



★ In order to prevent from the wrong action, please do not operate the main power switch when charging

Remove the key when charging. Even though under charging the bike, turn on the power can still cause the bike move

★Put the SANYA charger far away from children and pets

★Do not move the bike when charging

Remove the bike could lead to dumping, causing bodily injury or equipment damage.

★Do not use the SANYA charger in Other electrical products

★Do not make the same skincontact of the charger for a long time. Because the charger will be heated in the charging process and produce high temperature, it may cause mild burns the skin.

★Do not get wet

This may make the charger or battery damaged during the charging process. Go for dealership for check before use again if worry about wet

★ Please use AC220V power outlet charge.

Chapter 4 Battery Charging



⚠ Warning

Do not insert objects in the battery contact points or it will cause a short circuit.

Insert items will cause poor contact at the contact point and results can't use any more. In addition, the tip caused by short circuit may cause electric shock.

Do not make the battery immersion or fall into the water

Short circuit and electric shock accidents will be caused after immersion in water. Even worse, battery function will be lost.



Do not put the battery into the fire

Throwing the battery into the fire is very dangerous and will lead to cell damage. All after used battery must be recycled to the dealer



Do not use if there is any abnormal sound or deformation

If continue use will lead to over heat, rupture, burning and other unsafe factors. Please contact directly with the repair shop.

Do not use damaged battery

Do not use after the battery fell or collision damage, otherwise it will cause trouble. Be sure go to store for detection



Tips

Do not drop or impact the battery

Battery damage will cause wire breaks. Do not touch especially the corner.



Do not disassemble the battery

Disassemble the battery will cause accident, so please do not try



Do not place the batteries on other electric products.

The battery is equipped with E-bike, if equips with other electrical products might cause damage, so please do not go for other usage except the bike



Chapter 4 Battery Charging



3、Assemble and disassemble the battery box (The simple version)

★ Method of disassemble battery

- Insert the key in the battery lock, press the lock core to rotate to OPEN, open the battery lock, remove the cover;
- Pull the battery slowly upwards with the hand.
- Remove the battery.

★ Method of assemble battery

- Open the cover, insert the battery
- Place the battery, turn the key to the OFF position. Then remove the key.
- Put the seat to normal position

Attention

- Do not forget the key after removed or installed the battery. Make sure the battery and battery base is tidy and clear.
- Note the finger not to be hurt when remove and insert battery. Shut off the power when remove or insert battery.
- Cover the cover of charging port when charging.
-

4、Position of charging port

Attention

When inserting discharge jack, please confirm the plug and battery are closely connected, otherwise cause power outages during driving process.

5、Way of charging

1. Disassemble the battery box accordingly the above instruction.
2. Insert the power supply plug into the 220V power.
3. Insert the charger charging plug into the battery charging port, then the charger will automatically charging, the red indicator light on means charging, light off, Green light up means charging complete.
4. After charging, unplug the plug is connected with the battery first, then unplug the AC power.
5. The bike can charge directly, but must turn off the main power switch. Do not charge near any electric production as it will cause noise of radio or unclear picture of television.
6. While charging, please unplug the discharge plug, plug in the charger plug.
7. Pull off the discharge plug, plug on the charging plug when charging.

Chapter 4 Battery Charging



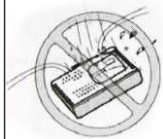
Warning



Please put the charger is placed in children unable to contact



Do not touch any charger plug or charging plug with a wet hand. Or they may produce accident getting an electric shock



Do not put the charger into the water or under the rain. Do not contact beverage, seawater, oil, medicine liquid, powder and other objects. Otherwise it will lead to damage the rechargeable battery. Such as accidentally water immersion, please be sure to dealerships were detected after use.



Do not make the same skincontact of the charger for a long time Because the charger will be heated in the charging process and produce high temperature,it may cause mild burns the skin.



Do not use the SANYA charger in Other electrical products Do not connect with household appliances.Do not charge the batteries other than those specified.



To prevent fire, do not charge in the vicinity of fire. Do not place near heat sources. Do not charge the battery near flammable gases and flammable .



Do not disassemble or modify the charger. Do not open the lid on the fuse or wire replacement work, do not peel the lid seal.



Do not insert foreign objects on the contact points of the charger. Do not use if there is a malfunction or injury of Cord / plug or charger.

Chapter 4 Battery Charging



Attention

Be sure to use SANYA charger, and use the stable 220V AC power.

Do not use a generator to provide power, mainly due to voltage instability.

When the charger is not connected with the power, unplug the charger from the battery.

Do not let the wire damage.

Do not tip over when charging
Do not involve the wire into wheel of the bike
Do not clamp the wire into the door or windows.
Do not let pets damage wires.
Do not let the wire over bended or bundle objects.
Do not place heavy objects on the cord or use screws to secure.

Do not use in overheated places.

Use charger in ventilated places.
Do not use the charger after overlap.
Do not carry objects on the charger and battery.
Do not use when wrapping with a cloth or bag.
Do not charge near fire or heat source.

Attention

Do not let the charger and battery fall.

Do not let the charger and battery fall.
Do not let the bike handling overlapping placement process.

Put and keep the battery charger in a safe place.

Do not charge the bike in tilt road or other historical traffic thoroughfare
Do not place the vehicle saddle, unstable places when charging

Tips

As a new bike has been stored for some time during the transport,it may cause the low battery power, make sure the battery is fully charged before first use.

Charging environment affects charger and battery life. Charging place should meet the following requirement:

- Avoid direct sunlight and rain.
- Good ventilation, dry place.

If the charger indicator light is off, please contact your dealer

Chapter 4 Battery Charging



Attention

Before charging please confirm if the charging and discharging port is not broken, mixed sundry, deformation, impact marks etc.. Otherwise it may lead the charge breakdown.

Warning

- In the charging process, if found there is abnormal phenomenon, stop charging immediately, or it may cause a fire.
- Sanya charger is specially equipped with the bike's battery, Even if the shape of charging socket is same as other electrical products, it can not be used . Otherwise it will cause equipment damage or fire.
- Must use SANYA charger when charging the bike.
- Do not touch the charging socket, or it may cause an electric shock.
- Do not cover the battery charging socket with any items when handling and storing, or it may cause an electric shock.

If abnormal happens when charging, do not disassemble the battery box or charger to avoid greater damage.

6、Charger display

- After the charger and the battery connected according to above method, the charging start, the Red light on the charger will on.
- After charging, when the Red light in the charge is off and the Green light up, that mean charging complete and can disconnect the charge and battery. When the light on the charger is flashing, it means abnormal during charging
- and will stop charging automatically.

7、Charging time

The charging time depends on the usage. The normal charging time is 3-6 hours. If the bike has been running for long distance, the battery will go into deep discharge status, then the charging time will up to 8 hours or above, otherwise, short distance, short charging time.

Attention

- When the indicator in the speedometer shows below 50%, charge the battery immediately or it will shorten the life of the battery;
- The battery box loading in the car can also be charging; Please shut off the power supply and ensure the charger in the right position to avoid accidents;
- Unplug the charger plug after charging;
- It won't affect if the power switch is off when charging, but when insert the discharge jack, power lock should be adjusted to OFF state, otherwise the electric quantity display may not be accurate.

Tips

The correct use method of battery: in an environment of high temperature, low temperature will cause the battery charging capacity fading.

- In summer, do control the temperature when placing under hot weather
- Battery will decline when indoor storage in winter.
- At low temperature the use will cause the battery capacity fading, placed in the indoor charging several times there will be back.

Chapter 5 Riding Operation



1、Driving preparation

When ready to drive, do not turn the throttle grip. Or will cause malfunction and lead to security problems.

1. Insert the battery into the bike, make sure the plug and battery is perfectly connected in order to avoid the occurrence of traveling halfway off and so on.
2. Steady the bike with hands.
3. Launch the bike forward, fold the main stand

tips	main switch should OFF
------	------------------------

4. Drive on the Electric Bicycle
5. Ensure that the vehicle is stationary, hold the brakes.
6. Turn on the main switch (ON status). No will shows the balance power of battery.

Sanya Electric Bicycle

Since the motor is installed anti-theft lock, so when the bike is started, please be sure to open the device, otherwise it will cause the bike can not be started and damage.

2、Driving method

1. Check the road condition, drive under the safety condition.
2. Release the brake with left hand.
3. Turn the throttle grip slowly and the bike will go forward.

Warning

When you start, rapidly turn the throttle grip will surge forward and cause danger

★Adjust the speed

Adjust the speed via the throttle grip
Throttle forward, slow speed, return quickly.
Throttle backward, fast speed, return slowly.

Attention

When parking uphill on the way, be sure to use the brakes. Depending on the rotational speed system to keep bike do not decline, will cause the bike motor and controller overheating, which may activate the temperature protection device, ultimately causing the bike stop running.

Chapter 5 Riding Operation



3.How to use the brake

- When braking, clench the brake at the same time also have braking function

Tips

Brake handle has a power-off function. Therefore, the bike has an automatic power-off function when brakes

- When braking, under the premise there is sufficient time to put the brakes grip, which is more correct braking method.
- Do not brake suddenly.
Suddenly brake will cause the bike skidding or dumping.

⚠ Warning

In rain or snow, or wet road riding, the brake effect will not satisfactory, please note that advance the brakes to keep the braking distance.

In low-speed driving, gently brakes a few , rims on the water can be removed to improve the braking performance.

Tips

When braking, if the front or rear brake using only may cause the bike skidding or dumping. So be sure to use the front and rear brakes together.

4、Parking method

1. Confirm safety around.
2. Under the premise of not affecting traffic conditions, go slowly roadside.
3. Gradually clench around the brake, brake slowly (Please do not suddenly brake).
4. Turn off the main power switch when parked(OFF status).
5. The premise of the bike maintain the vertical, put down main stand with right foot . In this case, make sure the main support has been completely touch the ground.
6. At the same time lift up the armrest with right hand.

⚠ Warning

- Do not parking in any place which affects the traffic.
- Please park in the flat, safe place. In uneven, tilted, when the soft ground such as parking places instability may cause the vehicle to tip over or fall into the mud.

Chapter 6 Regular Maintenance



1、The implementation of regular maintenance

Regular maintenance is the effective way to prolong the service life of the vehicle. Please do maintenance for the vehicle every 6 months or 12 months.

Tips

Please use standard tools to do regular maintenance.
If the tools misused, it may cause broken of the vehicle.

⚠ Warning

- If not do regular maintenance, the vehicle may exist safety hazard and cause unnecessary trouble or accident.
- During the regular maintenance, if finding that the vehicle have problem, please go to SANYA appointed dealer or after-sales service center for maintenance.

2、Regular maintenance way

This operating manual just introduce some main checking items. For detail checking, please go to SANYA appointed dealer or after-sales service center. Carrying out according to SANYA after-sales service manual.

Tips

Please make record for the maintenance. Meanwhile, besides the regular maintenance items in this manual, please go to SANYA appointed dealer or after-sales service center to do maintenance and make record.

⚠ Warning

During the regular maintenance, please pay attention to the safety and comply with following steps.

- Please do regular maintenance in the flat place and must put up the main stand.
- After long time driving, the electronic components is heating. If disassemble the parts immediately it may cause broken.
- If finding abnormal during the regular maintenance, please adjust in time. And if necessary, please go to SANYA appointed dealer or after-sales service center to do complete inspection.

★ Check the lubricating state for different parts of the vehicle.

Please check the lubricating state well for different parts of the vehicle.

★ Check battery

Please check the battery cover to see if there is broken. If find abnormal, please go to SANYA appointed dealer or after-sales service center to do inspection.

★ Please check the wear down of brake shoe

Please check the wear down situation of front and rear brake shoe. When the brake shoe wear down one-third or brake not work well, please go to SANYA appointed dealer or after-sales service center to do inspection and change.

Chapter 6 Regular Maintenance



3、Regular maintenance way(Refuel)

- Means to fill the lubricating oil
 Means not to fuel



Chapter 7 Guarantees



1、Guarantee condition

PartsName	Guarantee Period	Guarantee item	Guarantee way	Exclusion of guarantee
Motor	Free new one within 12 months/Free repair from 13th to 36th month	Performance malfunction, cracked shell, rotating outer ring of bearing	Free replacement	Sensuous sound which does not affect the performance
Controller	18 months	performance malfunction	Free replacement	Man-made damage
Frame body	12 months	Off tracking caused by crack, deformation, breakage or twist of key parts	Free replacement	Deformation caused by impact and overload; unauthorized modification
Front wheel	12 months	Sand hole, crack, rotating outer ring of bearing	Free replacement	Scratch, man-made damage
Charger & converter	12 months	Unrepairable performance malfunction	Free replacement	Man-made damage
Front fork (including front absorber), Steering stem, Steering handle, Rear swing-stand, Rear absorber	12 months	Unsoldering, breakage, oil leakage, serious deformation	Free replacement	Damage caused by impact, unauthorized modification, feeling soft or hard sensuously
Disk brake, Drum brake	12 months	Oil leakage of break, cracked drum	Free replacement	Damage caused by impact
Rear carrier	6 months	Unsoldering, breakage, chroming peeling off	Free replacement	Man-made damage
Flasher, Electric horn, Remote controller, Locks, Meter	6 months	Unrepairable performance malfunction	Free replacement	Unauthorized circuit modification or added electric appliance
Seat	6 months	Leather aging, floor fracture, sponge serious subsidence	Free replacement	Feeling soft or hard sensuously, man-made Scratched
Painting parts	6 months	Cracks, significant discoloration, peeling paint, burst by itself	Free replacement	man-made damage, corrosion
Plastic parts & PP parts	3 months	Burst by itself	Free replacement	man-made damage, corrosion
Tyre	3 months	Fracture or broken by itself	Free replacement	Pierced by outside objects, over-inflated.

Chapter 7 Guarantees



2、The scope and content which be out of guarantees

The scope and content which does not belong to Repair, Replace or Return.

1. Bulbs, tubes, brake shoe which will be wore and tear in normal, motor bearings, screws, nuts and other standard parts class, decorative pieces, frame type, rubber foot, fuse (tube) category, chain, spokes, etc, which the parts are easy consumables parts which be out of guarantees.
- 2.The feeling of sound, hardness and other human feeling projects which be out of guarantees.
- 3.Promotional items, gift items.
- 4.Damages caused by irresistible factors, such as earthquakes, floods, lightning, chemical corrosion, etc.
- 5.Beyond the validity period or non–original ancillary products which be out of guarantees.

3、Special tips

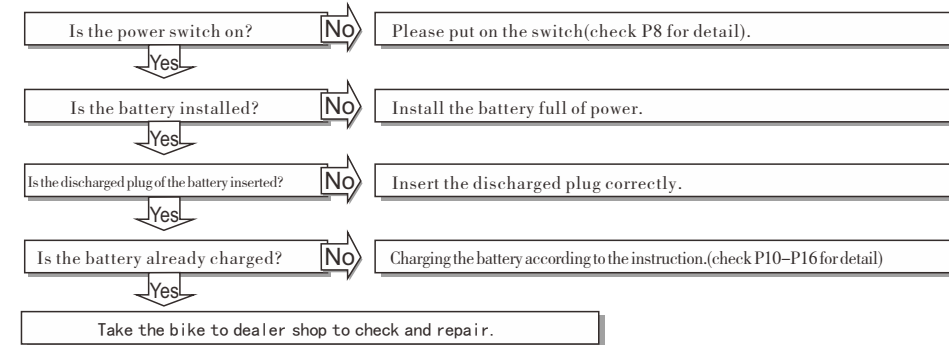
- ① All the things are based on the above list, if the things over the time limit and area of the “guarantees” will be regarded as over the service of “guarantees” .
- ②If the damage caused by smudging, medicines, chemical corrosion and so on and the damage caused by irresistible factors, such as earthquake, typhoon, floods and other factors will be out of guarantees.
- ③ If the user refits, decomposes and destroys the condition of spare parts by himself, which will be out of guarantees.
- ④ If the other spare parts are destroyed by the user using the non–original spare parts, or the user changes the circuits and configuration by himself, which will be out of guarantees.
- ⑤ If the malfunction occurred by crashing, falling down, overloading and other factors will be out of guarantees.
- ⑥ If without the maintenance card, invoice or the invoice does not match the card, which will be out of guarantees.
- ⑦ If the user maliciously amended the date of guarantees, which will be out of guarantees.

Chapter 8 Common Failure and Treatment

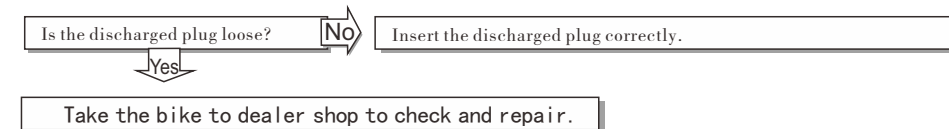


1.Common faults

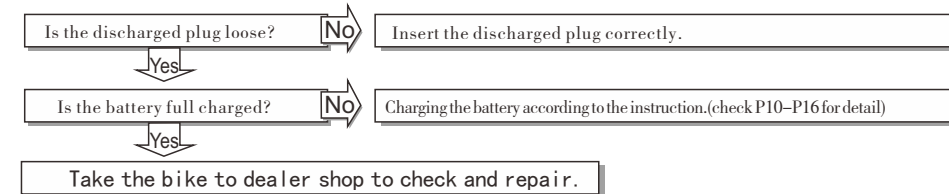
【 Fault 1 】
The bike can not start.



【 Fault 2 】
The bike stop when driving

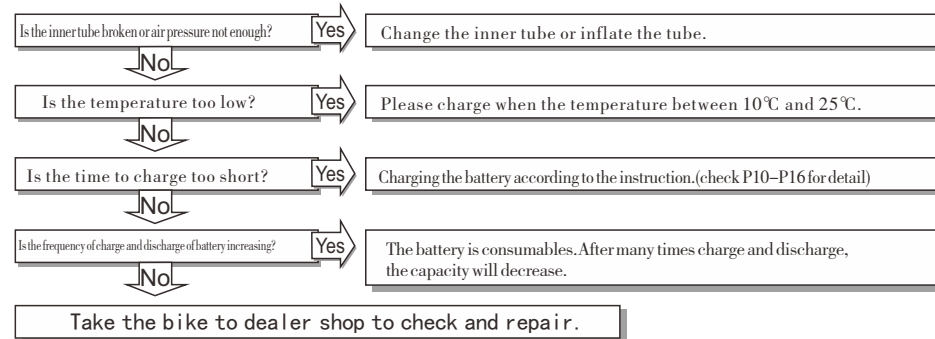


【 Fault 3 】 Speed adjusted grip not work well or speed step down



1.Common faults

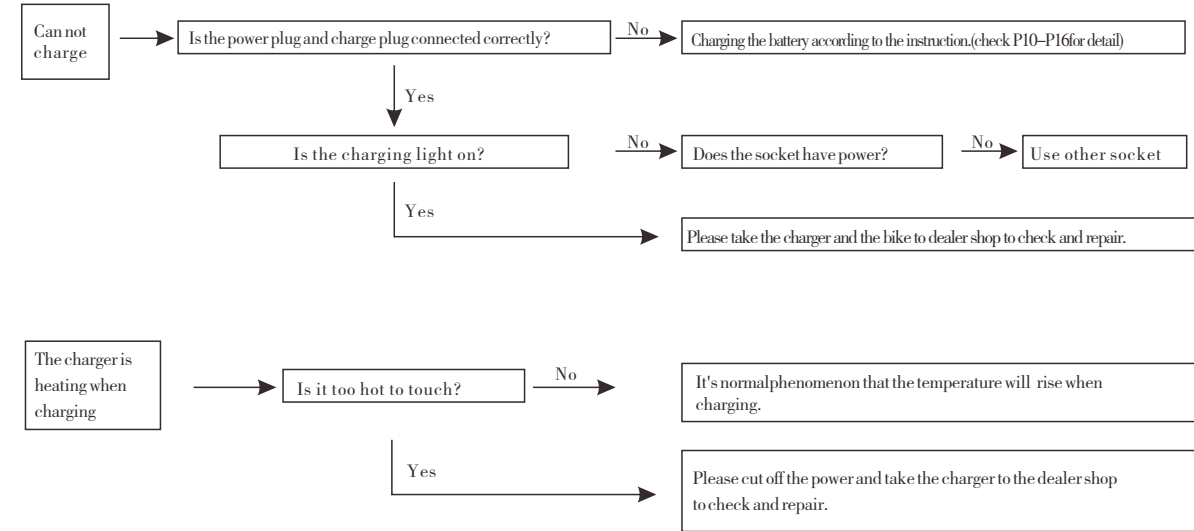
【 Fault 4 】
The mileage for one charge is too short.



Fault 5
The power system has smoking, smell or noise problem.

Take the bike to dealer shop to check and repair.

2、Common faults for charger

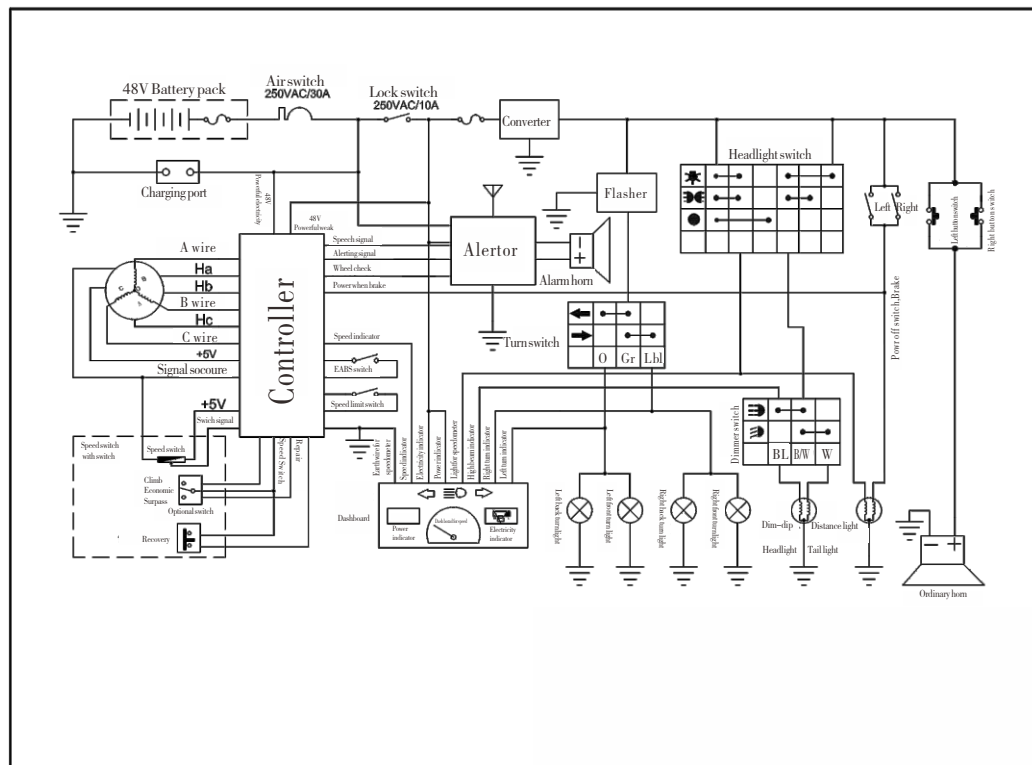


Faults that can not solved by-self
(Internal fault of motor,charger,battery and controller)



If above faults happen,please take it to dealer shop to check and repair.
If open the above parts by yourself,you may lose the guarantee service.

1、Wiring diagram



2、Technical parameters

Sizes and weight

Items \ Model	SY1200DQT	SY8-HBES	SY8-HBEL	SY8-TYES	SY8-DDES
Length(mm)	1760	1780	1820	1830	1830
Width(mm)	720	660	680	670	670
High(mm)	1070	1030	1080	1130	1130
Wheel base(mm)	1310	1250	1240	1325	1325
Min ground clearance(mm)	145	125	130	145	145
Dry weight(kg)	60	87	93	101	102
Max load weight(kg)	160	150	150	150	150

Main performance index

Items \ Model	SY1200DQT	SY8-HBES	SY8-HBEL	SY8-TYES	SY8-DEES
Max speed(Km\h)	45	20	20	20	20
Mileage for one charge(Km)	80	60	80	80	80
100km power consumption(Kw.h)	1.2	1.2	1.2	1.2	1.2

Chapter 9 Technical Parameters

Electric System

Motor type	Overcurrent protection				
Rated revolution(rpm)	415	460	480	480	480
Rated voltage(V)	60	48	60	60	60
Rated power(W)	1500	240	240	240	240
Rated torque(N.m)	32.5	10	10	10	10
Max efficiency(%)	83%	83%	83%	83%	83%
Max efficiency	42±0.5	42±0.5	52.5±0.5	52.5±0.5	52.5±0.5
Overcurrent protection	32±1A	30±1A	30±1A	30±1A	30±1A

Battery type	Maintenance-free lead-acid batteries				
Battery Specification(Ah)	60V32	48V20	60V20	60V20	60V20
Input voltage(Hz)	AC220V50	AC220V50	AC220V50	AC220V50	AC220V50
Charging time(h)	8-10	8-10	8-10	8-10	8-10

Travel system

Item \ Model	SY1200DQT	SY8-HBES	SY8-HBEL	SY8-TYES	SY8-DDES
Front brake	Internal expanding hub type	Internal expanding hub type	Internal expanding hub type	Hydraulic disk	Hydraulic disk
Rear brake	Internal expanding hub type	Internal expanding hub type	Internal expanding hub type	Internal expanding hub type	Internal expanding hub type
Front tyre	3.00-10	3.00-10	3.00-10	90/90-12	90/90-12
Rear tyre	3.00-10	3.00-10	3.00-10	3.00-10	3.00-10

※ Above data should be taken under following situation: new battery and normal temperature 25°C, Load weight can not pass 90kg, flat and dry road, no wind, no light. According to different driving way and road situation, the mileage for one charge may be decline.

Guarantee card (The first page is kept by dealer)

Please write each item correct and detailed. It's by our joint efforts to guarantee our legal interests.			
Manufactory	Guangzhou Sanya Motorcycle Co.,Ltd	Zip code	510900
Address	Xinkaipuding,Chengjiao street,Conghua, Guangzhou,Guangdong	Tel	86-20-87916128-8005

(The bellow items are filled by)seller when purchase)

Vehicle name		Model		Color	
VIN. NO.		Tel		Purchase date	

Customer Name		Gender		(Stamp)
Date of birth		Tel		
Address				

Guarantee card (The second page is kept by manufactory)

Please write each item correct and detailed. It's by our joint efforts to guarantee our legal interests.			
Manufactory	Guangzhou Sanya Motorcycle Co.,Ltd	Zip code	510900
Address	Xinkaipuding,Chengjiao street, Conghua, Guangzhou,Guangdong	Tel	86-20-87916128-8005

(The bellow items are filled by)seller when purchase)

Vehicle name		Model		Color	
VIN. NO.		Tel		Purchase date	

Customer Name		Gender		(Stamp)
Date of birth		Tel		
Address				

Guarantee card (The third page is kept by customer)

Please write each item correct and detailed. It's by our joint efforts to guarantee our legal interests.			
Manufactory	Guangzhou Sanya Motorcycle Co.,Ltd	Zip code	510900
Address	Xinkaipuding,Chengjiao street,Conghua, Guangzhou,Guangdong	Tel	86-20-87916128-8005

(The bellow items are filled by)seller when purchase)

Vehicle name		Model		Color	
VIN. NO.		Tel		Purchase date	

Customer Name		Gender		(Stamp)
Date of birth		Tel		
Address				