

Electric Scooter BSJ

Owner's Manual



I. ATTENTION

- The Driver and Passenger

This vehicle is designed only for one driver and one passenger.(Children under 12 are not allowed). Never exceed to the Max load capacity of the vehicle.

- Road surface

This kind of vehicle can drive on the flat road and the slope shall not be greater than 15 degree.

- Please read the user manual carefully

You must pay attention to the sentence or paragraph with caution banner

Warning:

Not following the operation instruction in this manual may cause great damage to you.

Attention:

Not following the operation instruction in this manual may cause injury to both you and vehicle.

Regard this manual as a permanent parts, even when transfer the vehicle to other people transfer the manual at the same time

◆ **WARNING:**

- **The electronics especially the controller need to be kept away from water, so be careful when you clean the vehicle.**

- **Make slow acceleration when at start.**

- When the battery charger monitor shows under the yellow level, you must charge,or else it will bring damage to the battery.

- Keep away from the charge socket,above 72v voltage will bring damage to your body.

- ◆ 1. If you drive it at first time, please take training.

- ◆ Avoid blinding lights at night, you must drive on guard and pay attention to the road situation.

- ◆ 2.Non-fatigue driving vehicle

- ◆ 3.Non-use of mobile phone during driving.

- ◆ 4. Please adjust the seat before driving to reach the correct driving position.

- ◆ 5.Be careful at road crossings, parking lot and driveway entrance.

- ◆ 6. Speeding easily lead to an accident it should comply with the speed regulations never exceed the speed limit.

- ◆ 7. Avoid driving through rugged road because the road may lead to operation failure or damage to body structures

- ◆ 8. Before driving electric scooter the driver must first make inspections before.

- ◆ 9. Keep away from other vehicle during driving strictly abide by local traffic regulations

- ◆ 10. Please do not overload.

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III . Scooter storage Storage

For long-term storage of the electric scooter for example in the winter time some steps need to be taken to prevent malfunction and damage Besides before preparing storage also need to do part of the maintenance work otherwise, once use the electric scooter, they tend to forget to carry out the maintenance.

- Replace rear axle gear oil
- Cover the electric scooter
- Battery long time(more than a month),please be sure to take off from the electric vehicles,turn off power switch and the battery to the customs and state (after put the electricity, with the charger(3hours) and then placed in a cool and dry indoor storage(best temperature is 5°C~30°C), and every three months to charge 2 hours.

Reuse the electric scooter

- Take off the electric scooter and clean it please replace the rear axle gear oil if the storage period is over 4 months.(and gear oil we suggest use85w-90,other gear oil also be fine)when you change gear oil,Unscrew the screw at the bottom of the gear box,release the old gear oil unscrew the screw back, unscrew the screw on the top of the gear box add the new gear oil, unscrew the screw back and you're done
- If necessary, charge at time and put on the battery.
- Check all items before drive.Try at low speed around free traffic area.

IV. First drive operation

- ◆ 1.Open the packing
- ◆ 2.Take out the key
- ◆ 3.Open the rear seat lock
- ◆ 4.Turn on the power off switch
- ◆ 5.Open the electric door lock
- ◆ 6.Check whether the meter light is on
- ◆ 7.Turn the speed gears switch back to gears 1and R switch back to D

which is slow forward.

V.Specification

Model	BSJ	Size	2150*940*1000MM
Motor	48V/60V600w Brushless motor	Tyre	3.00-10 tubeless with iron rim
Charge time	6-8 hours	Battery	48V/60V20ah lead acid battery
Range per charge	40-50km	Max speed	30km/h
Color	Red/Orange/Gray/Green	Load weight	<200kg
Climbing capacity	15 degree	Brake	Drum brake

Dimension



More Dimensions:

Vehicle size: 215 *94*105CM

Front seat bucket size: 43*28*23CM

Rear seat bucket size: 55*60*20CM

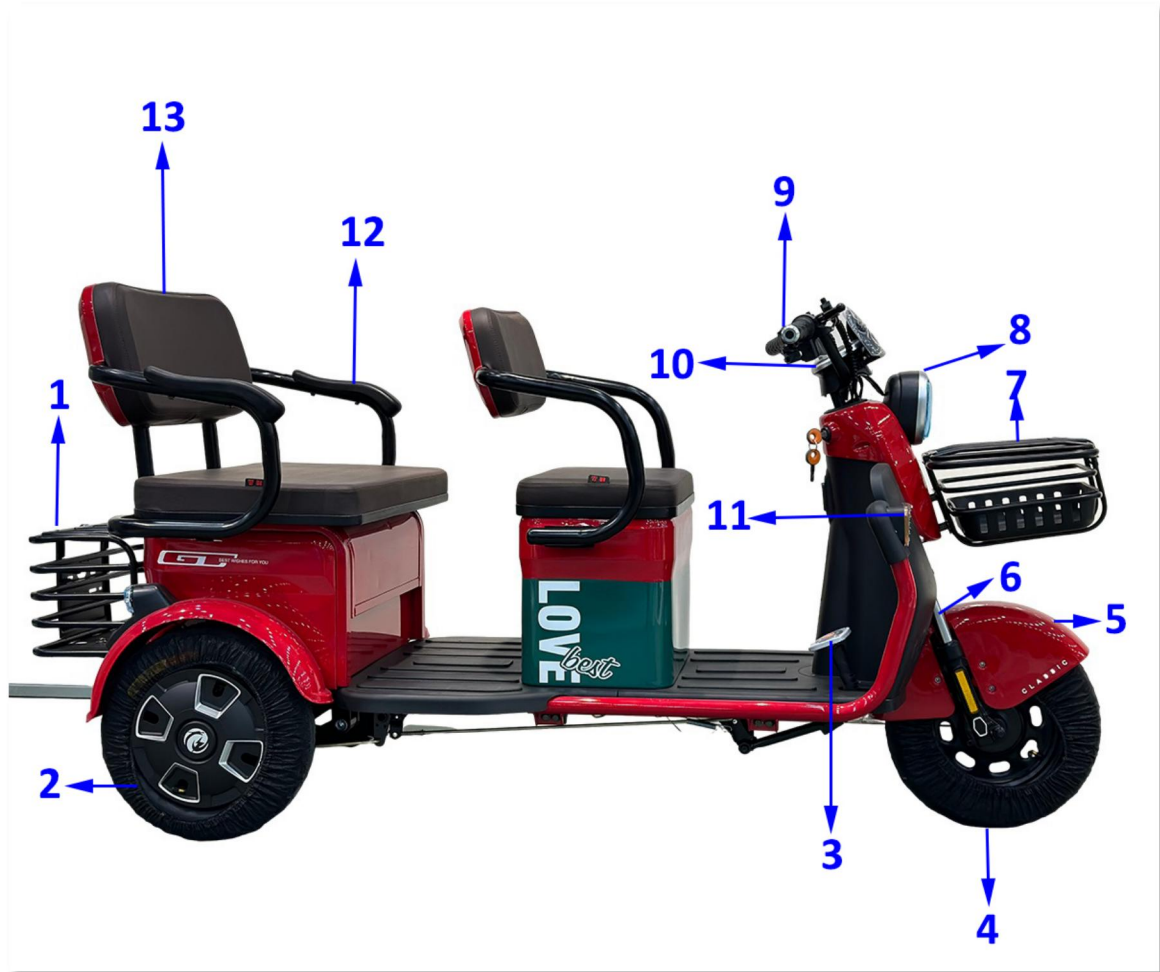
Rear basket size: 54*23*23CM

Front seat foot space: 43CM

Rear seat foot space: 34CM

VI. Parts diagrams

MODEL: BSJ



1. Rear basket

2. Rear wheel

3. Foot brake

4. Front wheel

5. Front fender

6. Front shock absorber

7. Front basket

8. Headlight

9. Handle bar

10. LCD Meter

11. Front turn signal

12. The armrest

13. Backrest



1. Taillight

3. Start key

2. storage compartment

HANDLEBAR DIAGRAM



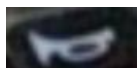
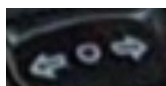
1. Headlight switch

2. Left and right turn signals

3. Horn switch

4. Speed regulation (3 stalls)

5. Drive/reverse gear



CONTROLS & DISPLAY



1. Headlight
2. Battery power

3. Speed
4. Travelled distance

VII .Operation guide

Check before riding

Please check before riding to assure safety driving.

Battery power

Turn on the switch, watch battery meter indicator when it approaches the red mark position vehicle should be charged.

◆ WARNING:

You should regularly check the tires and adjust tire pressure

- Check after the tire cooled
- You should regularly check whether there is a puncture on the tire especially tires leakage phenomenon which should repair immediately
- Check whether the tread cuts, whether embedded nails or other sharp objects. Check whether the rim indentation dent or deformation phenomena.
- When the tire tread wear to the tread wear limit mark it should be replaced with new tires.

◆ **WARNING:**

- **If the tire pressure sub-standard it will make the tire surface subjected to excessive wear and tear could cause a car accident. Tire pressure which is too low will cause tire slip or prolapsed wheels.**
- **It is dangerous to use great wear tire it will affect the adhesion between the tires and the road surface resulting in difficult driving on the accident or occurrence.**

1. Riding operation

- Preparation before driving: open the parking lock; put the key into the switch, turn it.
- Slowly accelerate the throttle when at start no throttle when decelerate

◆ **WARNING:**

No operate throttle on-off rapidly otherwise the vehicle will rush out without control.

2. Brake operation

- Control the throttle

If you want to slow down please close the throttle and more important is to use two brake systems.

◆ **WARNING:**

Drive on wet or loose surface road or in rainy days please be careful especially for operation of braking accelerating or turning.

- Simultaneous operation for front and rear brakes

Attention: When driving down a steep slope please close the throttle completely, and use two brake systems to reduce the speed.

◆ **WARNING:**

Don't use single brake at high speed especially when you are on slippery road or turning corners. Use double brakes to avoid accident.

3. Stop operation

Turn the switch to stop the vehicle, and lock the parking lock.

◆ **WARNING:**

Electric scooter should be parked on solidity, flat ground; otherwise it may cause injury or vehicle consequences of dumping.

Security highlights

- Lock the parking lock take away the key.
- Power-off when leave.
- Select high-quality alarm system.

VIII . Maintenance

The maintenance is important to electric scooter,if drive at high speed in a bad situation for a long time. must add the times of maintenance:If electric scooter have a big failure or have an accident must check for mainly spare parts.For example: frame,indicator parts and so on.Repair or change the worn parts to make sure safety.

Notice:

To ensure the electric vehicle safety and reliability do not allow the electric vehicles are modified. Use original parts or equivalent parts of similar quality during maintenance and replacement.If you use other parts of poor quality,it will affect the performance of electric vehicles and operating functions.

Warning:

To ensure the safety of personnel from harm regardless of any program of maintenance work, be sure to turn the power off parked the car on a flat hard surface.

Attention:

If you store your vehicle more than a month's time or to stop using in the winter period it is required to make maintenance work to bad tires batteries. etc., aging and corrosion.

Often driving on uneven roads in order to hold the good performance of your vehicle,it must be maintained.

Maintenance for battery

If the vehicle will not use for a long time, please take out the battery, full charge and store it in a cool, well ventilated and dry place

If the head of battery was corroded, please take out the battery and clean it .

Turn off the ignition switch before take out the battery take apart the negative pole first.

When you assemble the battery fix the positive pole first then the negative pole. don't mix.

1.Discharge with large current is negative to the battery

When the electric tricycle is in startup, headwind, uphill and heavy loading, the discharge current of the battery will be large. When the charging is insufficient, the life of the battery will be shortened.

The vehicle should be charged after driving in time. The battery cannot be stored with capacity loss. Even the vehicle is not used for a long time, it must be charged once a month.

2.When the ambient temperature is more than 40°C or less than - 10°C, the life of the battery will be shortened. Therefore, in summer, due to the hot weather, the direct sunlight should be avoided for the battery. And in winter, due to the coldness, the battery should be stored and charged indoors. And after the

battery is fully charged, the charging should be extended for 2- 3h.

3.When the ambient temperature is -10°C, the power capacity of the battery is only 60%, so every mileage under full charging in winter is less than that in summer.

4.Batteries are consumables and the life of the battery is limited.

IX.Troubleshooting

Malfunction	Possible Cause	Solution
Vehicles can't drive	The key is on OFF position or FOREBACK switch is on middle neutral	Turn the key to ON position or choose FORE BACK switch
	Battery without electricity	Charge it
	Battery terminal electrode corrosion or loose	Cleaning corroded areas, tighten the nut links
	Key switch wire loose or damaged Connect the wire	Repair the key switch
	Accelerator switch damage	Change the switch
	Power switch is not on	Tun on the power
	Motor malfunction	Repair or replace
	The parking lock not unlock	Grip the rear brake handle bar to unlock it
Speed instability	Accelerator malfunction	Change the accelerator
Abnormal sound on motor	Motor shaft malfunction	Change the shaft
	Motor damage	Repair or replace it
The battery can't be charged	Charger damage	Check the charger, repair or replace it
	Poor contact for charge	Check the plug
	Battery damage	Check battery
	Battery excessive discharge	Check or change battery
Uneven tire wear	Tire pressure is too low	Inflated to the recommended pressure value
Steering is not flexible, the swinging direction	Steering column bearing lubricant solidification	Inject some lubricating oil
	Hinge lose all moving parts Lubricants	Fill with oil all moving parts
	Wear steel bowl	Change the steel bowl
	Uneven tire inflation pressure	Adjust the inflation pressure
	Steering column lock nut loose	Tighten the lock nut
	Wheel swing	Repair or replace the shaft, front axle
	Rim screw loose	Tighten the screw
Brake steer	Uneven tire inflation pressure	Adjust the tire inflation pressure
	Wheel braking force is uneven	Adjust the tie shoe
Brake force not enough	Brake shoe severe wear	Change the brake shoe
	Brake pipeline leak, brake fluid is not enough	After the exhaust pipe joints screwed tight, add hydraulic fluid
	Brake shoe and brake disc with oil or water	Clean
Vehicle drive or stop by time	Circuit erercurent and overtemperature protection system does not start	Replace the controller
	Circuit connector is loose	Fastening tabs and connected wires
Vehicle stop at start	Low power	Charge the battery
	Drive motor damage	Inspection, repair