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We take pride in everything we produce.

If you purchased from anywhere other than our RBSM Marketplace, please do not return your product to the store directly.

If you have any issues or questions regarding our products, please email us at support@rbsmcorp.com

Remember to sign up for our exclusive member discounts at www.rbsmcorp.com

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Users Considerations

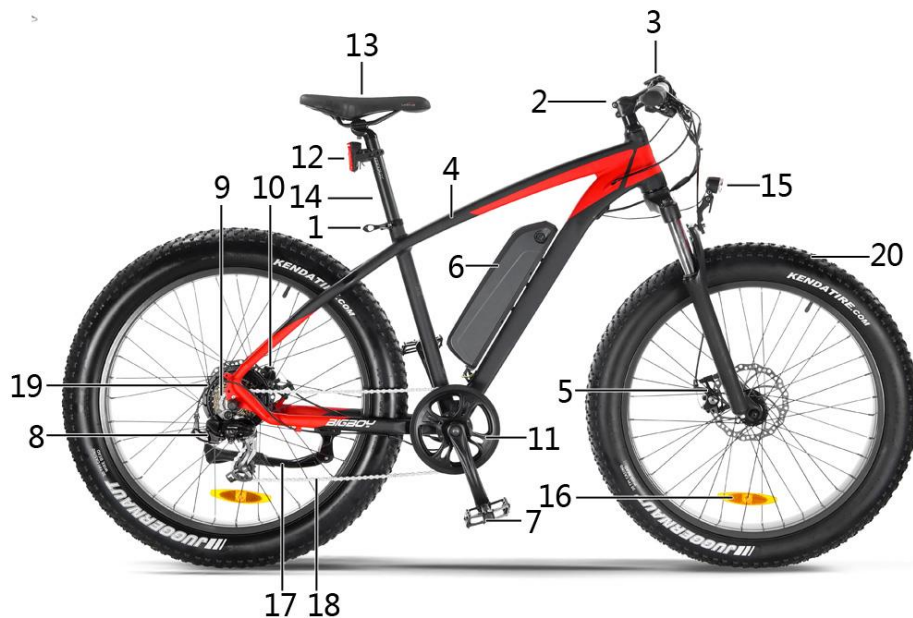
1. Before riding, please read production Instruction carefully and check whether each part is intact to ensure your safe riding. If there are any problems, please get connected with dealers.
2. Please follow urban traffic laws and stipulations and not to carry people on this vehicle; and the speed should be slowed on rainy and snowy days as well as slippery areas.
3. This vehicle should be placed at dry and ventilated areas and please don't put it in water. The water level cannot come to the place of the controller box at the bottom of crankset or will lead to the short out of the internal circuit and also casue non-repairable damage.
4. The battery used in this vehicle is safety power source, but the anode and cathode of the battery cannot be touched with wet hands at the same time even get touched with metal at the same time, if so, a large circuit current will be generated and cause an accident. Please pay attention to it.
5. Please do not disassemble and decompose components by yourself, you can buy standard components from RBSM Corp for replacement.
6. In order to keep others' safe and prevent your electric bicycle from unnecessary damage, please do not lend it to someone who cannot operate it.
7. Please use display to adjust the assistance gears to the minimum level before riding.
8. Please make sure the tire pressure is normal before riding.
9. Please make sure the screws of each component is properly tightened before riding.
10. This vehicle's controller is equipped with the function of overload protection which means the power supply will be cut automatically when the vehicle is overloaded, and the power supply will be switched on automatically when it is back to normal.
11. You should turn off the power supply when you cannot drive this vehicle even though it has electricity to avoid damaging the bike.
12. You should turn off power when you are walking the vehicle to avoid turning the handle throttle or wheel disc by accident

2.

3. .

Description of Bike Structure

1. Seat post clamp
2. Stem
3. Handle bar
4. Frame of the Bicycle
5. Front Disc brake Device
6. Battery and Controller
7. Pedal
8. Rear Derailleur
9. Flywheel
10. Rear Disc brake Device
11. Crank set
12. Taillight
13. Saddle
14. Seat Post
15. Head light
16. Side reflector
17. Kick stand
18. Chain
19. Rear Motor
20. Tires



1. Left grip
2. Left brake lever
3. Display
4. Shifter lever
5. Right brake lever
6. Right grip



Bike Unpacking and Assembling

1. Unpacking the packaging box and making an inventory of accessories.



2. Taking out the bike from the packaging box, clipping the ribbons which used on front wheel and handlebar, dismantling the pearl wool cover on bike.



Bike Unpacking and Assembling

3. Find the front wheel quick release rod, fix the front wheel in the front fork and keep the front wheel on the center of the fork, then tighten the quick-release rod;



4. Fix the front disc brakes with the inner six screws on the front fork disc brake mount.



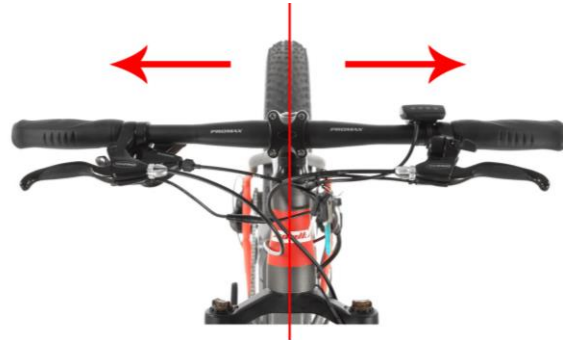
5. Putting down the kick stand to make the bike stand on the ground.

5.1 Dismount the screws



5.2 Assemble the Handle bar to the stem and tighten the screws;

Please ensure the handle bar should be symmetrical and the Stem should be in the center of frame;



Bike Unpacking and Assembling

6.Lock the head light to the front fork by the screw, washer and nut; (A)

7.Put the seat post inside the seat tube, adjust it to proper height and lock the seat post clamp; (B)



A



B

Please pay attention: the seat post cannot be lower than the security line;



8. Fix the pedals to crank arm and lock by wrench;



Bike Debugging Instruction

1.Disc brake Device Debugging:

1.1 Adjusting the right and left space of disc brake's shoe by adjusting the position of the bracket of disc brake device to achieve the backlash uniformity at the both sides of disc brake pad and disc brake device :



You can also slightly adjust the space between disc brake piece and disc brake device by slightly adjust the screws on the right side of disc brake device.



1.2. Finally, through adjusting the installed nut of the fixed brake core of disc brake device and adjusting the core's degree of tightness to achieve the proper degree of tightness of the brake which means effective brake can be realized when the brake handle is pushed to the 1/3 position.

1.3 The tires can be completely stopped when the brake handle is pushed to the 1/2 position.



How to check whether the disc brake debugging is qualified: Turn the wheel, there is no noise, then the disc brake is good;

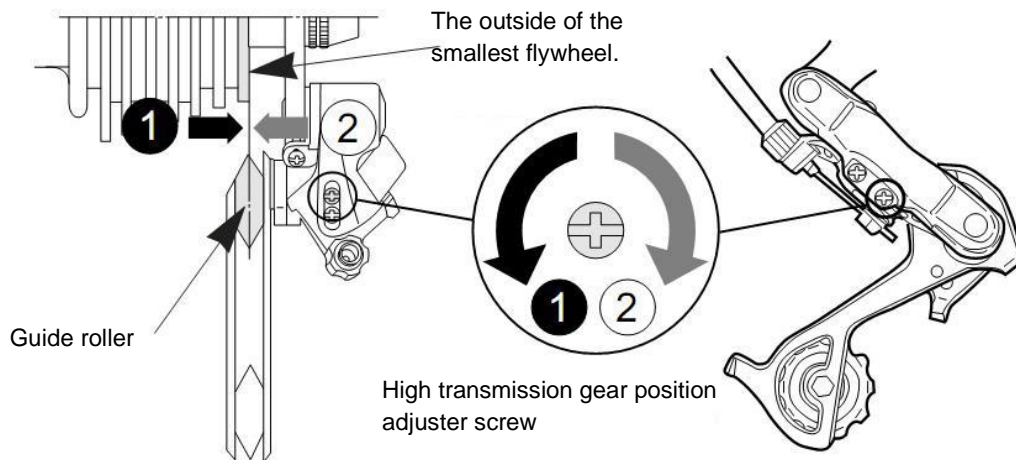


Bike Debugging Instruction

2. Shifting Device Debugging:

2.1 Through adjusting the regulating screws on the back derailleur to make the center of guide wheel is placed at the same line as the center of the flywheel's minimum tooth when the derailleur is at the outermost place, and make the center of guide wheel is placed at the same line as the center of the flywheel's maximum tooth when the derailleur is at the innermost place.

2.2 Through adjusting the installed nut of the fixed transmission core of back derailleur and the core's degree of tightness to achieve the flexible gear shift of transmission and the free shift of each gear without any noise.



3. Battery charging:

3.1 Use to charge to charge the bike battery.

Under charged, two charger indicator lights are red; (A)

Battery is full or not under charged, the indicator lights are green+red; (B)



A



B

Bike Debugging Instruction

4. Whole bike Circuit Test:

4.1 Display button instruction


1. Display switch
2. Head light switch button
3. Model button to choose assistant level
4. Battery indicator
5. Head light indicator light
6. Assistant Level



4.2 Please check whether all of the bikes electric connectors are in normal condition before the circuit test.

4.3 Please open the display to check the battery indicator, head light indicator, assistant level light work normally or not; if there is no enough battery, please charge the battery first;

4.4 Please press  to turn on/off the head light

4.5 Please press  button for 2-3 seconds, press “mode” button to choose different assistant level;

4.6 Please turn the crank arm when the assistant level is on Low, middle or high level, the sensor indicator light beside the crank set is twinkling;

4.7The sensor indicator is flashing normally



4.8when the assistant level is on Low, middle or high level, please turn the crank arm, the motor starts to work, and the other hand gently pinch the brake lever, the motor will stop working without electricity;

Common Circuit Problems Checking

1. Whole bike is out of power/ display cannot be turned on

- 1.Please use a Multimeter to check whether there is a voltage at the discharge end of the battery. (36V battery voltage is more than 31.5V generally,48V battery voltage is more than 42.5V generally)
- 2.Please check whether the battery plug-in is installed in place, whether the positive and negative electrode is installed in reverse;
- 3.Please check whether the display is burned and change a new display to test;
- 4.Please check whether the controller is burned and change a new controller to test;
- 5.Please check whether the harness cable works well and change a new harness to test;

2. If there is a throttle on the bike, Throttle problem solution:

- 1.Please check the throttle cable connector is good or not and the connector pin is crooked or not;
- 2.Please change a new throttle to test;
- 3.Please change a new harness to test;

3. Motor Noise Solution

- 1.Please check the cable connectors of motor and controller get loose or not, if the connector pin is crooked or not.
- 2.Please change a new controller to see whether there it still has noise;
- 3.Please change a new motor to test;

4. Brake lever cannot cut power solution;

- 1.Please check the connectors of brake lever, harness, controller whether there is any loose or the pin inside the connectors are crooked;
- 2.Please change a new brake lever to test;
- 3.Please change a new controller to test;
- 4.Please change a harness to test;

5. Whole bike without assistance: Situation one (if the bike with throttle)

The Display can be lighted up, the motor works if we push throttle(if the bike has) or use 6KM/H pushing speed function, while there is no assistance power when we cranking;

Solutions:

1.Check whether the sensor works normally or abnormally.

Please check the space between Magnets disc and sensor is 2-3mm or not.

Please check if the sensor indicating light is flashing or not and when you crank, the light is flashing or not.

2.Check whether the contact pin between the controller and the sensor is interrupt or inserted crookedly;

3.Change a new controller to test.

6. Whole bike without assistance: Situation two

The display can be lighted up, the motor doesn't work no matter we push the throttle (if the bike has), crank or use 6km/h pushing speed.

Solutions:

1.Check whether the controller and the connecting line is loose or damaged, or whether the contact pin is inserted crookedly;

2.Check whether motor connector is loose or damaged, or whether the contact pin is inserted crookedly;

3.Check whether the sensor works normally or abnormally.

Please check the space between Magnets disc and sensor is 2-3mm or not.

Please check if the sensor indicating light is flashing or not and when you crank, the light is flashing or not.

4.Change a new motor to check if bike can work or not;

5.Change a new controller to check if bike can work or not ;

6.If there is a motor patch cord , please check the patch cord work normally or not;

Common Circuit Problems Checking

7. head light or tail light cannot work

Condition 1: the lights with dry battery

Check whether the dry batteries of taillight or head light have ran out, if yes, please change new ones ;

Condition 2: the lights are connected wire

- A). Please check whether the positive and negative poles of the light are connected by opposite or inserted slanting;
- B). Change a new light to check if can work or not;
- C). If there is a light module, please check if the light module wiring sequence is not;
- D). If there is a head light patch cord, please check the head light connection wiring sequence is correct or not;
- E). If All above parts are all no problem, please change the controller.

Daily Maintenance Instruction

1. Lubrication is an important part of the maintenance of electric bike. The front axle, central shaft, flywheel and the pivot point of the front fork shock absorber should be inspected and cleared of any dirt or debris every six months. If necessary, add butter or oil.

Lubricant Parts	Lubricant Interval	Recommended Lubricating Oil
Front fork attachment	one year	butter(lithium base grease)
Front and back axles	one year	butter(lithium base grease)
Middle axle	one year	butter(lithium base grease)
Pedal axle	one year	butter(lithium base grease)
Chain wheel	one week	lubrication
Chains	one week	lubrication
Interior of flywheel	One month	lubrication
brake handle	One month	lubrication

2. Please regularly check if the handlebar, stem, saddle, pedal, F/R wheel mounting nut are loose or not.
3. Do not completely run out the batteries. Reserving about 10% electric every time can lengthen the circulation service life of the batteries; Please note: The battery should be charged each month to keep it always at its best condition even you don't ride the bike.
4. In order to keep your riding safe and keep your electric bike at its best, please regularly clean your bike.
5. Please regularly check whether the performance of brake is good. Pay attention to increased braking distance in rainy and snowy days as well as when you are downhill riding.
6. Charge the batteries after each riding to keep the groove of the batteries.
7. Regularly check your tire pressure and adjust as necessary.