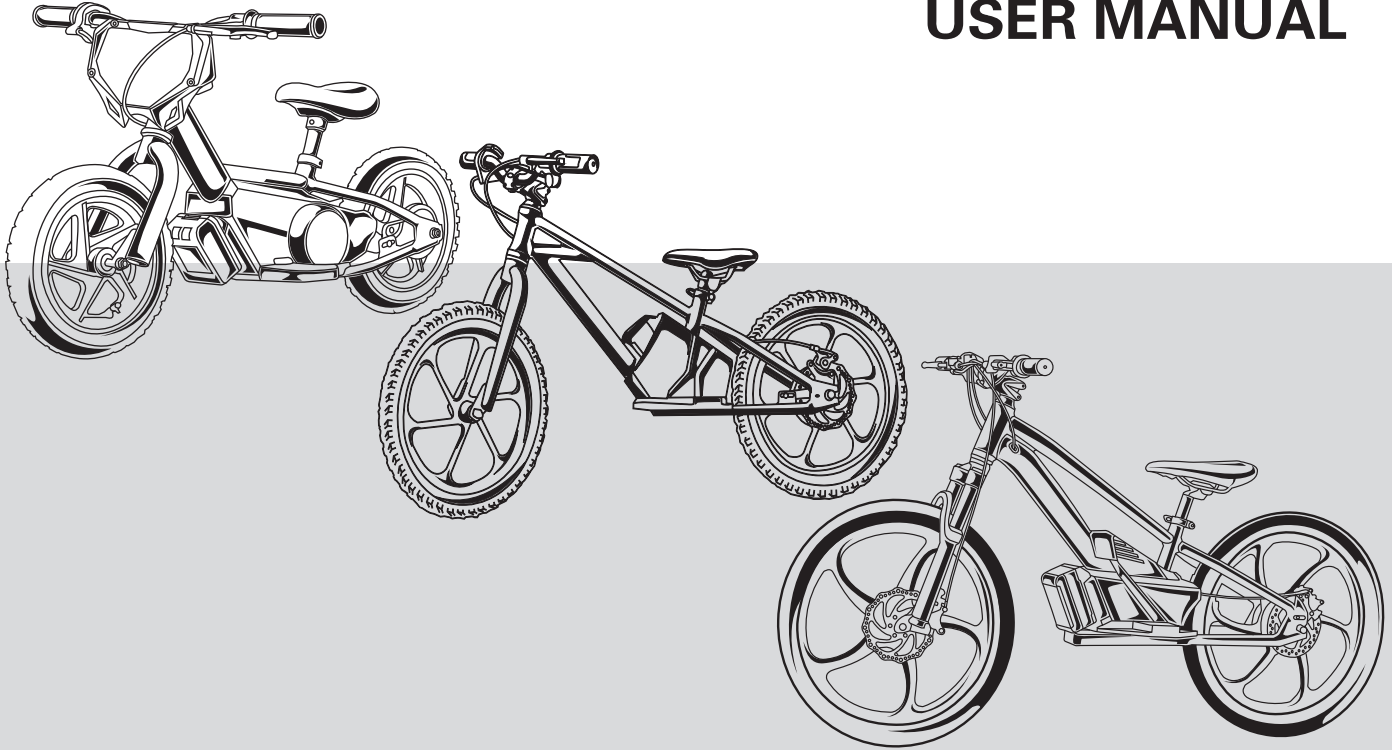


# Electric Balance Bike

## USER MANUAL



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## Cautions &Warning

1. Note: the product pictures are for illustration purpose only. These pictures may not reflect the exact out looking of actual product. Specifications may change.

Before using the Bike, please read the manual carefully and inspect whether the parts are in good condition to ensure children and riding safety. If there is any problem, please contact the dealer immediately. Also check the bike is set on the correct speed setting for the rider before allowing them to ride.

2. Children are required to use the bike under the supervision of parents or adults.

3.The Bike should be parked in a dry and ventilated place. Do not rinse the bike with water. It is recommended to wipe it with a cloth.

4. Please comply with local laws or regulations. Avoid public roads, pavements and pathways. Please slow down and increase the braking distance in rainy/snowy day or slippery road, to sure the safety.

5. Non-professional maintenance persons are prohibited from disassembling and replacing parts.

6. The bike is forbidden to do stunt riding,

7. Please inspect and sure all screws are tight before riding.

8. The controller is equipped with an overload protection function. It will cut off the power automatically once overloaded. And when the power turns to normal, the power will turn on.

9. When the bike is with electricity but cannot drive, please turn off the power in time in case of electric components damage.

10. Please turn off the power when you get down from the bike or you are pushing it, in case that when riders push the throttle unintentionally, the Bike starts suddenly and get hurt.

11. Do not allow hands, feet, body, clothing or other similar items to come into contact with any rotating or moving parts.

**Warning!** Assembly by an adult.

**Warning!** Not suitable for children under 36 months. Small parts. Choking hazard

**Warning!** This toy is unsuitable for children under 3 years due to its maximum speed. It is always at the discretion of parent or person supervising as to the age of the rider.

**Warning!** Always wear a helmet and safety gear so to avoid falling and injury during the driving learning,

**Warning!** Always Ride or use only under parent or person supervising

**Warning!** Protective equipment should be worn. Not to be used in traffic

**Warning!** Only use this Vehicle in closed-off areas away from public road traffic. like Off-road track, closed track  
a reminder that the toy should be used with caution since skill is required to avoid falls or collisions causing injury to the user or third parties.



## Specification

- Individual model or add extra CNC parts. Mode details contact bike manufacturer or an authorized dealer)

Bike style(12 inch)	12	12 plus	12 pro
Motor	200w Brush	250w Brush (gearbox)	250w Brushless (gearbox)
Battery	24V 2.5AH/5.0AH/36V 2.5AH/5.0AH	24V 2.5AH/5.0AH/36V 2.5AH/5.0	24V 2.5AH/5.0AH
Frame	Aluminium alloy	Aluminium alloy	Aluminium alloy
Fork	Steel	Steel	Steel
Stem	Aluminium	Aluminium	Aluminium
Brake	Rear drum	Rear drum	Disc brake
Speed mode	2 speed/button type	2 speed/button type	2 speed/button type
Handle bar	Alloy	Alloy	Alloy
Brake level	Plastic	Plastic	Alloy
Grip	Rubber	Rubber	Rubber
Tire	12"/12"	12"/12"	12"/12"
Rim	12"/12" (Reinforced Nylon)	12"/12" (Reinforced Nylon)	12"/12" (Reinforced Nylon)
Transmission	Chain	Chain	Chain
Distance	Up to 1 hour riding	Up to 1 hour riding	Up to 1 hour riding
Speed	8/16KM/h	9/18KM/h	10/20KM/h
N.W./G.W	9.0/10.0kgs	9.5 /10.5kgs	10.0/11.0kgs
Carton size	870x245x405mm	870x245x405mm	870x245x405mm

Bike style (16 inch)	16	16 Plus	16 Pro
Motor (gearbox)	250w brush	250w brush	300w brushless
Battery	24V 2.5AH/5.0AH/36V 2.5AH/5.0AH	24V 2.5AH/5.0AH/36V 2.5AH/5.0AH	24V 5.0AH
Frame	Aluminium alloy	Aluminium alloy	Aluminium alloy
Fork	Steel	Steel	Steel
Stem	Aluminium	Aluminium	Aluminium
Brake	Rear drum brake with power-out function brake when braking	Rear Disc brake with power-out function brake when braking	Rear Disc brake with power-out function brake when braking
Speed mode	2 speed/button type	2 speed/button type	2 speed/button type
Handle bar	Alloy	Alloy (for racing)	Alloy (for racing)
Brake level	Plastic	Alloy	Alloy
Grip	Rubber	Rubber	Rubber
Tire	16"/16"	16"/16"	16"/16"
Rim	16"/16" Nylon	16"/16" Nylon	16"/16" Nylon
Transmission	Chain	Chain	Chain
Distance	Up to 1 hour riding	Up to 1 hour riding	Up to 1 hour riding
Speed	10/22KM/h	10/22KM/h	12/28KM/h
N.W./G.W.	11.0/12.0kgs	11.5/12.5kgs	12.0/13.0kgs
Rated Load	80 kgs	80 kgs	80 kgs
Carton size	1020x245x490mm	1020x245x490mm	1020x245x490mm

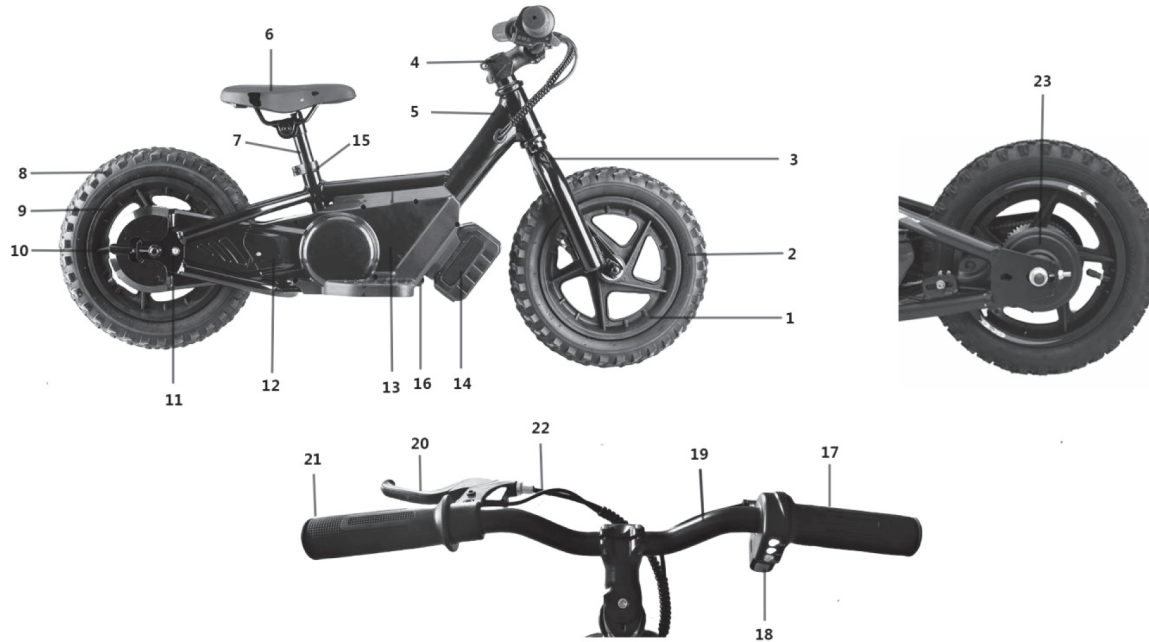
Bike style (12 inch)	12	12 plus	12 Cross	12 Pro
Motor (hub motor)	150w brushless	200w brushless	250w brushless	250w brushless
Battery	24V 2.5AH/5.0AH	24V 2.5AH/5.0AH	24V 2.5AH/5.0AH /36V 2.5AH/5.0AH	36V 2.5AH/5.0AH
Frame	Aluminium alloy	Aluminium alloy	Aluminium alloy	Aluminium alloy
Fork	Steel	Steel	Steel	Steel
Stem	Aluminium	Aluminium	Aluminium	Aluminium CNC
Brake	Rear Disc brake with power-out function brake when braking	Rear Disc brake with power-out function brake when braking	Rear Disc brake with power-out function brake when braking	Rear Disc brake/Hydraulic Disc brake with power-out function brake when braking
Speed mode	2 speed/button type	2 speed/button type	2 speed/button type or 3 speed/button+LED display	2 speed/button type or 3 speed/button+LED display
Handle bar	Alloy 22MM	Alloy 22MM	Alloy 19MM Or 22MM	Alloy Alloy 19MM Or 22MM
Brake level	Plastic	Plastic	Alloy	Alloy
Grip	Rubber/LED panel	Rubber/LED panel	Rubber/LED panel	Rubber/LED panel
Tire	12"/12"	12"/12"	12"/12"	12"/12"
Rim	Nylon stem	Aluminium stem type	Aluminium stem type	Aluminium stem type
Transmission	Motor driving	Motor driving	Motor driving	Motor driving
Distance	Up to 1 hour riding	Up to 1 hour riding	Up to 1 hour riding	Up to 1 hour riding
Speed	6/12KM/h	8/15KM/h	10/20KM/h or 7/14/20KM/h	10/20KM/h or 7/14/20KM/h
N.W./G.W	9.0/11kgs	10.5/11.5kgs	10.5/11.5kgs	10.5/11.5kgs
Rated Load	60 kgs	60 kgs	60 kgs	60 kgs
Carton size	870x245x405mm	870x245x405mm	870x245x405mm	870x245x405mm

Bike style(16 inch)	16	16 Plus/16 Cross/16 Pro	16 Pro/16 Pro cross	16 Pro Extreme
Motor ( hub motor)	350w brushless	350w brushless	350w brushless	350w brushless
Battery	36V 2.5AH/5.0AH	36V 2.5AH/5.0AH	36V 2.5AH/5.0AH	36V 2.5AH/5.0AH
Frame	Aluminium alloy	Aluminium alloy	Aluminium alloy	Aluminium alloy
Fork	Steel	Mechanical Or Hydraulic adjustable	Hydraulic adjustable	Hydraulic adjustable
Stem	Aluminium	Aluminium	Aluminium	Aluminium CNC
Brake	Rear Mechanical Disc brake	F/R Mechanical Disc brake	F/R Hydraulic Disc brake	F/R Hydraulic Disc brake
Speed mode	2 speed/button type or 3 speed/button+LED display	2 speed/button type or 3 speed/button+LED display	2 speed/button type or 3 speed/button+LED display	3 speed/ button+LED display
Handle bar	Alloy 22mm	Alloy 19mm/22mm	Alloy 19mm/22mm	Alloy 19mm/22mm
Brake level	Alloy	Alloy	Alloy	Alloy
Grip	Rubber/LED panel	Rubber/LED panel	Rubber/LED panel	Rubber/LED panel
Tire	16"/16"	16"/16"	16"/16"	16"/16"
Rim	Aluminium stem type	Aluminium stem type	Aluminium stem type	Aluminium spoked type
Transmission	Motor driving	Motor driving	Motor driving	Motor driving
Distance	Up to 1 hour riding	Up to 1 hour riding	Up to 1 hour riding	Up to 1 hour riding
Speed	15/30KM/h or 10/15/30KM/h	15/30KM/h or 10/15/30KM/h	15/30KM/h or 10/15/30KM/h	10/15/30KM/h
N.W./G.W	14.0/15.0kgs	14.0/15.0kgs	14.0/15.0kgs	14.0/15.0kgs
Rated Load	80 kgs	80 kgs	80 kgs	80 kgs
Carton size	1020x245x490mm	1020x245x490mm	1020x245x490mm	1020x245x490mm

Bike style(20 inch)	20	20 plus	20 cross	20 pro cross	20 pro extreme
Motor(hub motor)	400w brushless	400w brushless	600w brushless	800w brushless	1000w brushless
Battery	36V 5.0AH/10AH	36V 5.0AH/10AH	36V 5.0AH/10AH	36V 5.0AH/10AH	36V 5.0AH/10AH
Frame	Aluminium 6061	Aluminium 6061	Aluminium 6061	Aluminium 6061	Aluminium 6061
Fork	Steel	Mechanical adjustable	Hydraulic adjustable	Hydraulic adjustable	Hydraulic double shoulders adjustable
Rear shock	/	/	/	/	Air pressure Adjustable
Stem	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium
Brake	F/R Mechanical Disc brake	F/R Hydraulic Disc brake	F/R Hydraulic Disc brake	F/R Hydraulic Disc brake	F/R Hydraulic Disc brake
Speed mode	2 speed/button type	2 speed/button type or 3 speed button+LED display	3 speed button+LED display	3 speed button+LED display	3 speed Liquid crystal display
Handle bar	Alloy	Alloy	Alloy	Alloy/	Alloy/
Grip	Rubber 22mm	Rubber 22mm	Rubber 22mm	Rubber 22mm	Racing Rubber 19mm
Tire	20"/20" Kenda 2.35	20"/20" Kenda 2.35	20"/20" Kenda 2.60	20"/20" Kenda 2.60	20"/20" INNOVA 2.80
Rim	Alloy stem	Alloy stem	Alloy stem	Alloy spoked type	Alloy spoked type
Transmission	Motor driving	Motor driving	Motor driving	Motor driving	Motor driving
Distance	Up to 1 hour riding	Up to 1 hour riding	Up to 1 hour riding	Up to 1 hour riding	Up to 1 hour riding
Speed	15/35KM/h	15/35KM/h or 10/20/35KM/h	12/25/40KM/h	12/30/45KM/h	15/35/50KM/h
N.W./G.W.	17/22kgs	17/22kgs	19/24kgs	18/23kgs	18/23kgs
Rated Load	100 kgs	100 kgs	100 kgs	100 kgs	100 kgs
Carton size	1220x270x640mm	1220x270x640mm	1220x270x640mm	1220x270x640mm	1220x270x640mm

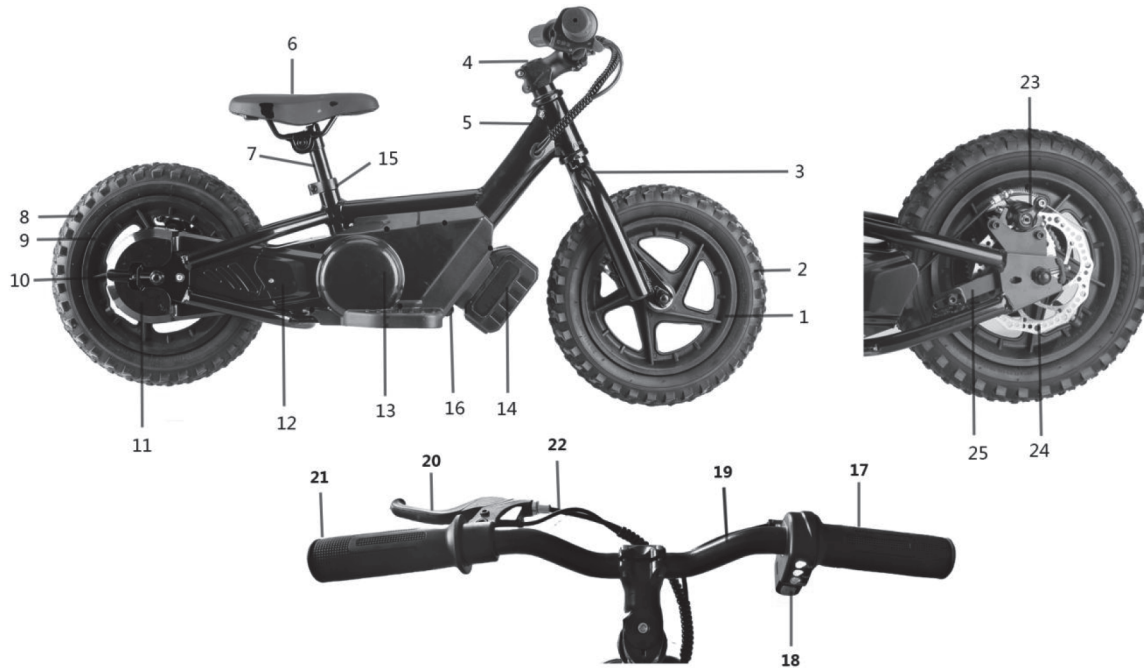
## Vehicle structure

1.Take 12 inch /16 inch brush motor with Drum brake model for example (2 SPEED)



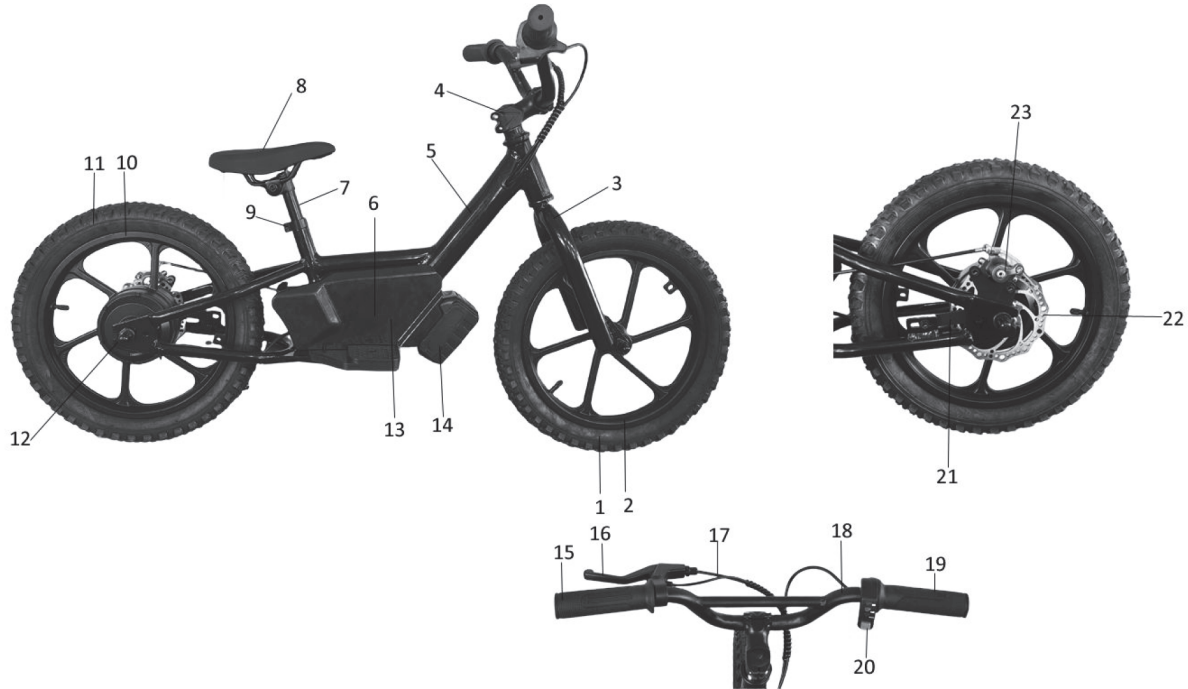
1.Front Wheel 2. Front Tire 3.Front Fork 4.Stem 5.Frame 6.Seat Saddle 7.Seat Post 8.Rear Tire  
9.Rear Wheel 10.Chain Adjuster 11.Chain Cover 12.Side Cover 13.Controller 14.Battery 15.Seat Post Release  
16.Speed button 17.Throttle Grip 18. Power Switch 19.Handlebar 20.Left brake lever 21.Left Grip  
22.Braking Cable 23.Rear Drum Brake

2.Take 12 inch /16 inch brush motor/brushless with gear motor with Disc brake model for example **(2 SPEED)**



1.Front Wheel 2. Front Tire 3.Front Fork 4.Stem 5.Frame 6.Seat Saddle 7.Seat Post 8. Rear Tire  
9.Rear Wheel 10.Chain Adjuster 11.Chain Cover 12.Side Cover 13.Controller 14.Battery  
15.Seat Post Release 16.Speed Button 17.Throttle Grip 18.Power Switch 19.Handlebar 20.Left Brake Lever  
21.Left Grip 22.Braking Cable 23. Rear Brake Caliper 24.Rear Disc plate 25.Rear Disc Brake Bracket

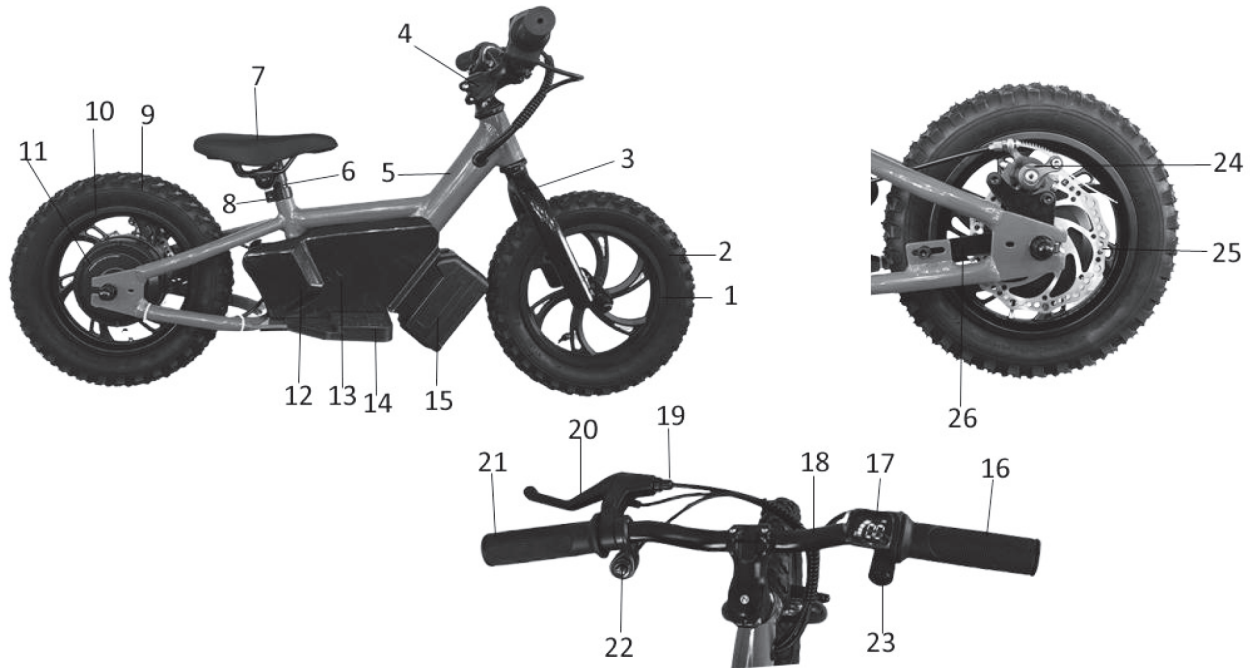
3.Take 12 inch /16 (Model 1) inch brushless HUB motor for example **(2 SPEED)**



1.Front Wheel 2.Front Tire 3.Front Fork 4.Stem 5.Frame 6.Controller 7.Seat Post 8.Seat Saddle  
9.Seat Post Release 10.Rear Wheel 11. Rear Tire 12.Brushless Hub Motor 13.Speed Button 14.Battery  
15.Left Grip 16.Left Brake Lever 17. Braking Cable 18.Handlebar 19.Throttle Grip 20. Power Switch  
21.Rear Disc Brake Bracket 22. Rear Disc Plate 23.Rear Brake Calliper

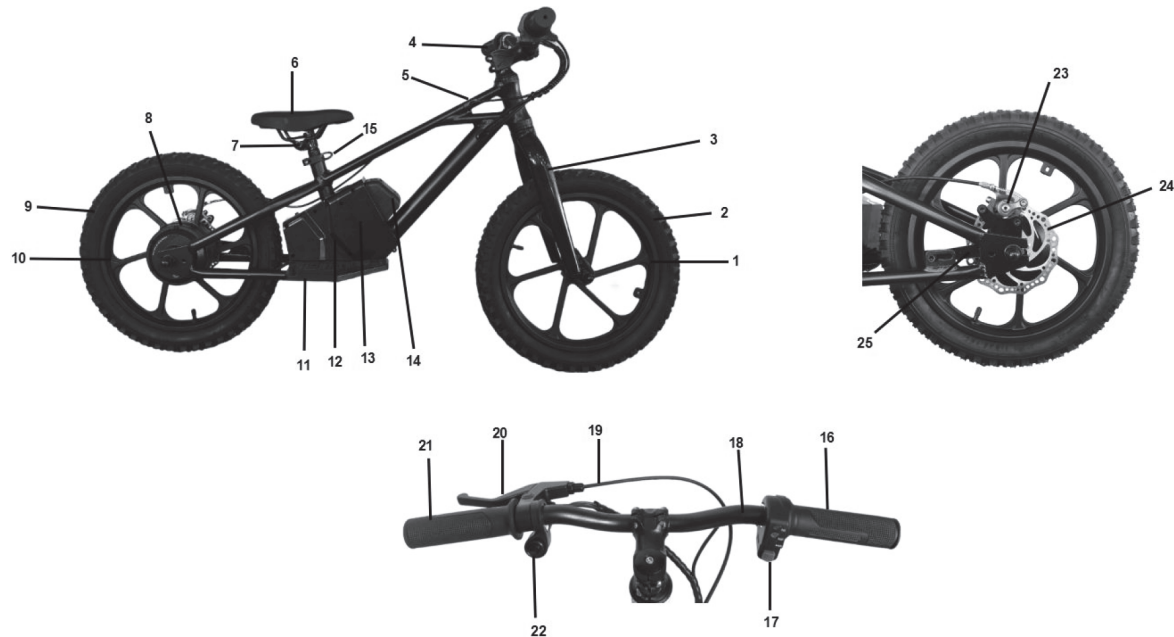


4.Take 12 inch /16 inch (Model 2) brushless HUB motor for example (**3 SPEED**)



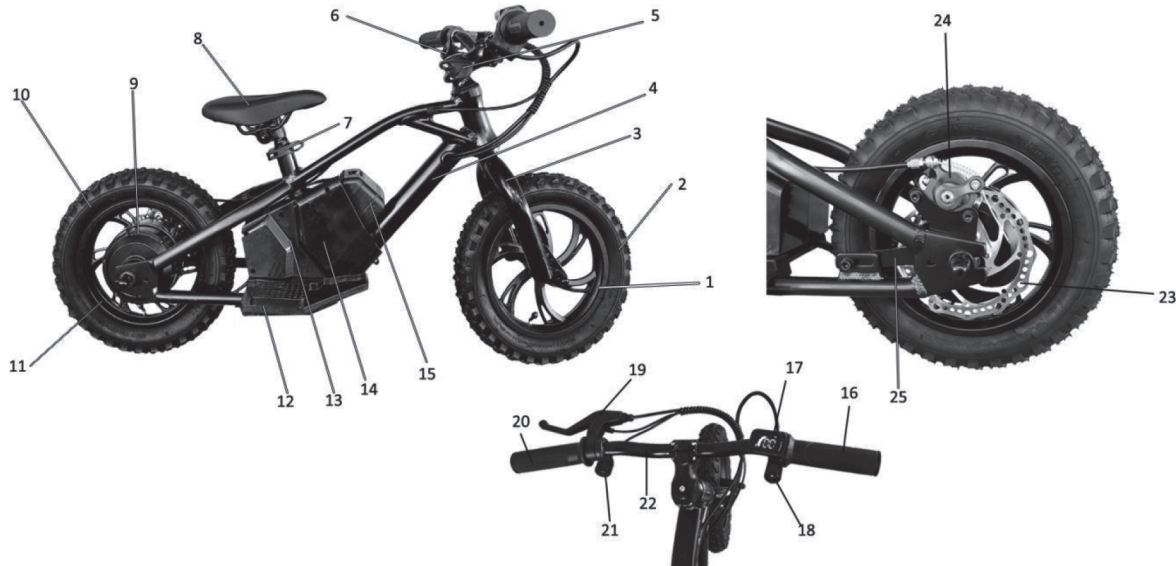
1.Front Wheel 2.Front Tire 3.Front Fork 4.Stem 5.Frame 6.Seat Post 7.Seat Saddle 8.Seat Post Release  
 9.Rear Wheel 10.Rear Tire 11. Brushless Hub Motor 12.Side Cover 13.Controller 14.Foot Rest 15. Battery  
 16. hrottle Grip 17.LED Display 18.Handlebar 19.Braking Cable 20.Left Brake Lever 21. Left Grip  
 22.Speed Button 23.Power Switch 24.Rear Brake Calliper 25.Rear Disc Plate 26.Rear Disc Brake Bracket

**5. Take 12 inch /16 inch (Model 2)brushless HUB motor for example (2 SPEED)**



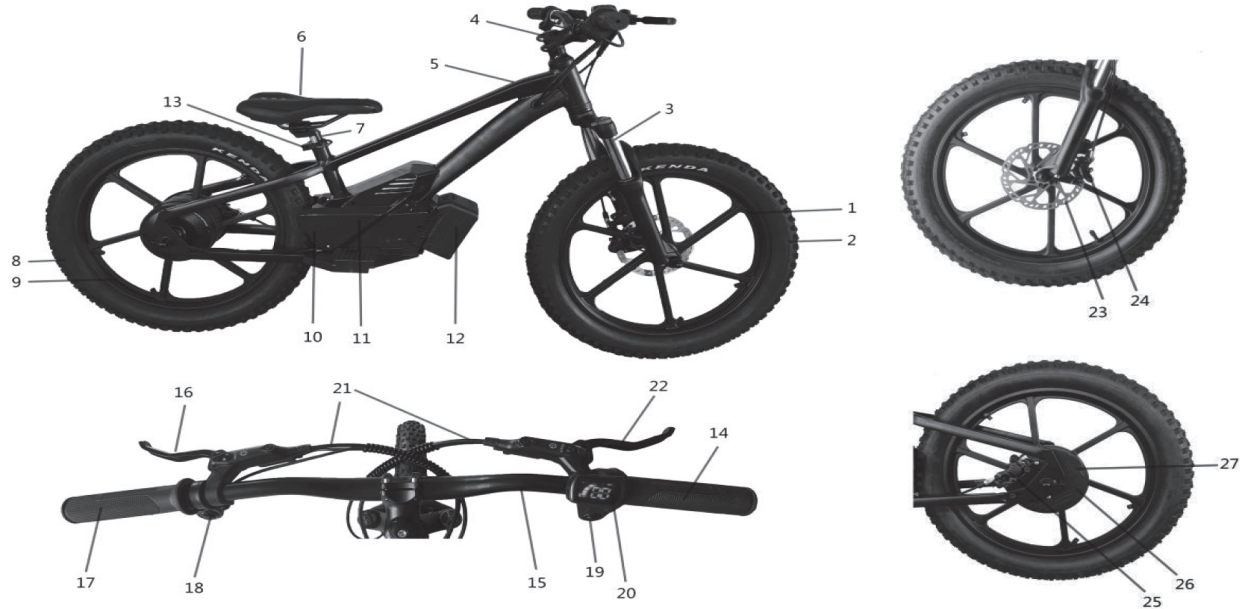
- 1.Front Wheel 2. Front Tire 3.Front Fork 4.Stem 5.Frame 6.Seat Saddle 7.Seat Post 8. Hub Motor  
 9.Rear Tire 10.Rear Wheel 11.Foot Rest 12.Controller 13. Side Cover 14.Battery 15.Seat Post Release  
 16.Throttle Grip 17. Power Switch 18.Handlebar 19.Braking Cable 20. Left Brake Lever 21.Left Grip  
 22. Speed Button 23. Rear Brake Calliper 24.Rear Disc plate 25. Rear Disc Brake Bracket

6. Take 12 inch /16 inch brushless HUB motor for example (**3 SPEED**)



1.Front Wheel 2. Front Tire 3.Front fork 4.Frame 5.Headset 6.Stem 7.Seat Clamp 8.Seat 9.Rear Hub Motor  
10. Rear Tire 11.Rear Wheel 12.Foot Rest 13.Controller 14.Side Panels 15.Battery 16.Throttle 17.Led  
18.Power Switch 19.Handlebar Grip 20.Brake Lever 21. Speed Button 22.Handlebar 23. Rear Brake Disc  
24. Rear Brake Calliper 25.Rear Disc Brake Bracket

7. Take 20 inch brushless HUB motor for example (**3 SPEED**)



- 1.Front Wheel 2. Front Tire 3.Front Fork 4.Stem 5.Frame 6.Seat Saddle 7.Seat Post 8.Rear Tire  
9.Rear Wheel 10.Side Cover 11.Controller 12.Battery 13.Seat Post Release 14.Throttle Grip 15.Handlebar  
16.Left Brake System 17.Left Grip 18.Speed Button 19.Power Switch 20.LED Speed Display 21.Braking Cable  
22.Right Brake System 23. Front Disc Plate 24.Front Brake Calliper 25.Rear Disc Brake Bracket  
26. Rear Brake Calliper 27. Rear Brake Plate Guard

## **bike assembly**

1. Please take out the Electric balance bike from carton, remove the packing and fix the handlebar on the stem tightly with a hex wrench.



2. installation requirements:

2.1 Handlebar needs to be symmetrical



2.2 Correct the horizontal angle, the brake level is about  $45^\circ$  horizontally

2.3 install the front wheel and tighten the screws.



## How to use

1. Please wear personal protective equipment, helmet, protective glass, sneaker, glove, elbow pad, knee pad etc.

2. Throttle/Display instruction

1)2 speed model:



1-1) Press power switch button, battery indicator light is on;

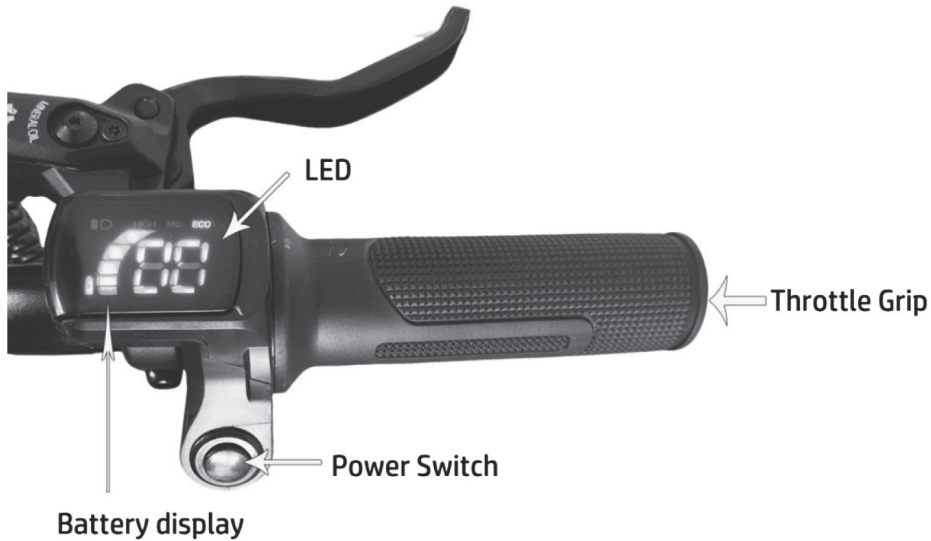
Press power switch button, battery indicator light is off;

1-2). Use the hand to twist throttle control the power

1-3). In order to protect the safety of children, after the power switch is turned on, the display shows that the power is on.



2)3 speed model:



2-1) Press power switch button, battery indicator light is on;

Press power switch button, battery indicator light is off;

2-2). Use the hand to twist throttle control the power

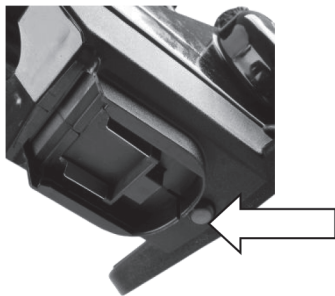
2-3). In order to protect the safety of children, after the power switch is turned on, the display shows that the power is on.

### 3. Speed switch instructions (two different forms of speed settings)

#### 1) 2 Speed (button type)

In order to let children riding and increase the experience of the Bike, Bike has two speed settings, the figure below shows the controller speed switch. Press the speed switch to change the (two) speed settings:

Please physically check the speed mode is correct by operating the Bike before letting the child ride the Bike.



(MODEL 1)

200w brush model (12 inch bike)

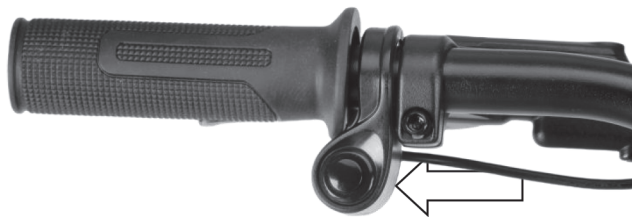
Low: Bike speed is 8KM/h. High: Bike speed is 16KM/h.

250w brushless hub model (12 inch bike)

Low: Bike speed is 10KM/h. High: Bike speed is 20KM/h.

400W brushless hub motor (20 inch bike)

Low: Bike speed is 15KM/h. High: Bike speed is 35KM/h.



(MODEL 2)

250W brush motor (16 inch bike)

Low: Bike speed is 10KM/h. High: Bike speed is 20KM/h.

350W brushless hub motor (16 inch bike)

Low: Bike speed is 15KM/h. High: Bike speed is 30KM/h.

### 2)3 Speed (button+LED display)

In order to protect beginners kids control bike speed and prevent the riding speed from being too fast the Bike has three speed settings



**(MODEL 1)**

250w model:

Low: Bike speed is 7KM/h.

Middle: Bike speed is 14KM/h.

350w model:

Low: Bike speed is 10KM/h.

Middle: Bike speed is 20KM/h.

600w model:

Low: Bike speed is 10KM/h.

Middle: Bike speed is 25KM/h.

800w model:

Low: Bike speed is 12KM/h.

Middle: Bike speed is 30KM/h.

1000w model:

Low: Bike speed is 15KM/h.

Middle: Bike speed is 35KM/h.



**(MODEL 2)**

High: Bike speed is 20KM/h.

High: Bike speed is 30KM/h.

High: Bike speed is 40KM/h.

High: Bike speed is 45KM/h.

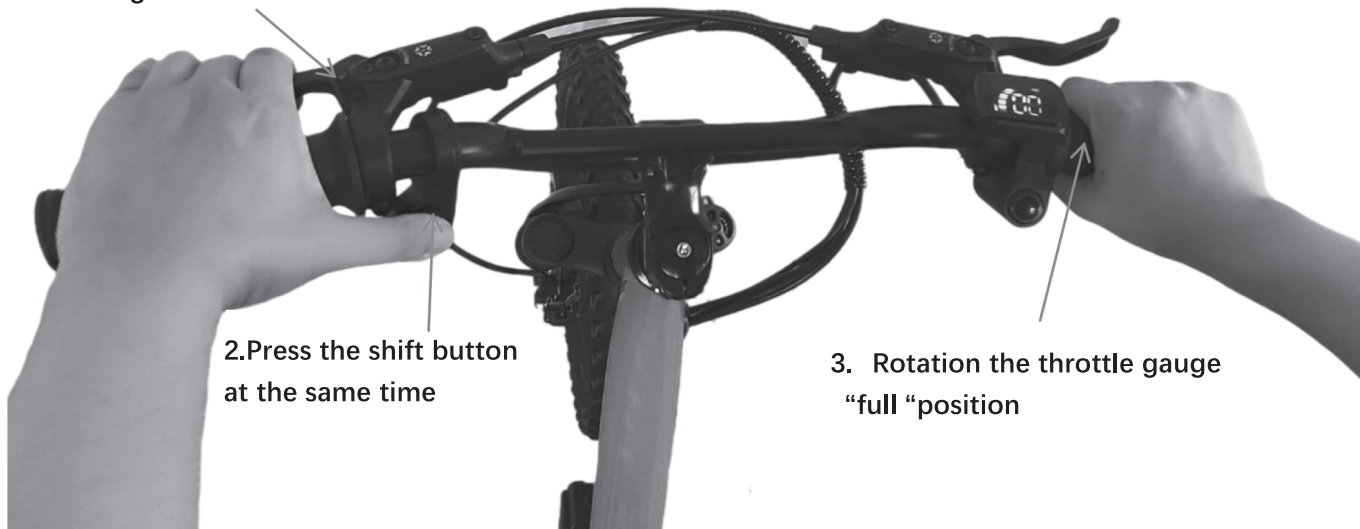
High: Bike speed is 50KM/h.

The figure below shows 3 speed settings:

1.first tighten the brake

2.Press the shift button  
at the same time

3. Rotation the throttle gauge  
“full “position



Please physically check the speed mode is correct by operating the Bike before letting the child ride the Bike.

7. Start-up process: sit, push, push the throttle, brake, practice (Please wear personal protective equipment in the open air or safe place under the supervision of an adult)

Unpowered training:

- 7.1. Turn off the power.
- 7.2. Adjust the seat cushion position according to the height of the rider.
- 7.3. Use your feet on the ground to promote learning and balance.
- 7.4. Practice gliding and practice to control the turn.
- 7.5. Use the brakes to safely stop while maintaining balance.

**Electric mode:**

- 7.6. Turn on the power switch.
- 7.7. Turn the display to normal.
- 7.8. Place your feet on the ground, let the rider slowly move forward and practice twisting the throttle and slowly accelerate.
- 7.9. Let the rider practice opening and closing the throttle and safely control the brake to stop.
- 7.10. When the rider is skillful in controlling the throttle and brake skills, place your feet on the pedals.
- 7.11. Please keep a safe distance between the rider and the obstacles. Pay attention to avoiding pedestrians and pay attention to controlling the speed.
- 7.12 Pay attention to the Bike and then turn off the power before you can get off.

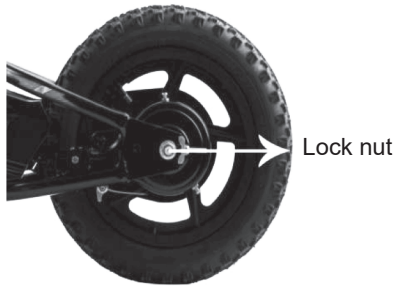
## Daily maintenance

1. Chain Tension: Loosen axle nuts and the bolt that holds the rear drum brake to the frame. Turn the chain adjuster nut on each side of the bike to adjust the chain. If you are just taking some slack from the chain ensure you turn the nut the same amount on both sides of the axle to ensure the front and rear sprocket stay aligned. After adjusted tighten axle nuts whilst holding the chain tight. Tighten the rear drum brake bolt.



This is for chain drive model, If HUB driving model ,no need

2. After riding the Bike for a period of time, if there is a wheel lock or wobble, please fine-tune the wheel lock nut



Drum brake



Disc brake



20INCH

3. Braking performance adjustment: please fine-tune the brake nut



**(DRUM BRAKE)**



**(DISC BRAKE)**



Or fine-tune the brake nut on braking lever.



**fine-tune the brake nut**

4. Charging battery: Please remove the battery, plug the charger DC head into charging port and then fit the plug to the power supply.



**24v 2.5AH/36V 2.5AH**



**24v 5.0AH/36V 5.0AH**



**36V 10.0AH**

## Charger safety information

Input: 100-240VAC, 50/60Hz, 0.5A

Output: 29.4V /42V, 1500MA/2000MA/3000MA

- Keep the charger dry at all time
- For your own safety never use this device with wet or damp hands due to the possibility of electrocution
- Only use a soft clean dry cloth to clean the surface of this plug. Do not use water or chemicals to clean
- Do not drop or knock the charger, this may result in damage. Rough handling can break the internal circuit boards and mechanics.
- Keep away from dust, extreme humidity and direct sunlight
- Keep away from fire.
- Never attempt to dismantle parts of this device.
- Never leave chargers unattended for long periods of time
- Dispose of this product safely!
- All products are tested comprehensively to ensure quality. If heat discoloration or transformation are found during usage or storage stop use immediately and contact dealer
- Only use the genuine charger that has been supplied with the bike! Never use a different charger! If you need a replacement charger please contact bike manufacturer or an authorized dealer.

5. Adjusting the saddle height: The seat post is prohibited from exceeding the security line.



**12inch/16 inch one**



**20 inch one**

6. Lubrication is an important part of the maintenance of electric Balance bike. The front axle, rear axle, and sprocket should be greased every six months.

Maintenance Item	Maintenance cycle	Tools and Remark
Head set parts	One year	Grease
Front and rear axles	One year	Grease
Chain	Six months	Lubricating oil
battery	Two months	Recharge the battery every two months if the bike is not used.
Tyre pressure	One month	The tires should be inflated if the air pressure is low

6.1. Do not drain the battery completely every time. Please charge the battery when the display shows red light, which can increase the cycle life of the battery,

6.2 Please clean the bike regularly, to ensure the safety riding of children and also to keep the bike in the best state.

6.3 Please always check the performance of the brakes and ensure it's good.

6.4 After each riding, please charge the battery to keep it in the best condition,

6.5 The front and rear wheels should adjust the lock nut regularly to prevent the wheels from locking or wobbling.

## Warranty Information

### Bike limited warranty

The manufacturer warrants this product to be free of manufacturing defects for a period of 6 months from the date of purchase! This limited warranty does not cover normal wear and tear parts, bearings, tires, tubes, chains, sprockets, cables or any damage, failure or loss caused by improper assembly, maintenance, storage or use of the product.

This limited warranty will be void if this product is ever:

- Used in a manner other than for recreation and transportation.

- Modified in anyway.

- Rented.

Our warranty is a parts only warranty! If the Bike needs to be repaired by us or authorized dealer the Bike needs to be returned to base/place of purchase at the customers cost.

This advised to keep your original box and packaging throughout your bikes warranty period in case the bike needs to be returned to base.

Manufacturer does not offer an extended warranty. If you have purchased and extended warranty it must be honored by the company who the product was purchased from.

For your records save your original sales receipt with this manual



The manufacturer reserves the right to make changes to the product  
And update this manual at any time