

BENZINA ZERO



HAULER

Owner's Manual

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Welcome

Welcome to the Benzina Zero family. Thank you for choosing the Benzina Zero Hauler electric bike (hereinafter referred to as Hauler).

Please read this instruction manual carefully and thoroughly before riding, as it contains sufficient information on safety, maintenance and assembly. It is the owner's responsibility for reading this manual before riding this bike.

The user's instruction manual includes two main sections. Section 1 is for mechanical equipment and Section 2 for electric equipment. Each section contains instructions for the following equipment:

Section 1: For Mechanical Equipment:

- Gears / Derailleur
- Disc brakes

For mechanical equipment, an electric bicycle differs only slightly from a non-electric bike.

Section 2: For Electric Equipment:

- Battery
- Hub motor
- Controller
- Display

All information in this Owner's Manual is correct at the time of publication. Benzina Zero reserves the right to make changes at any time without incurring obligation. © Benzina Zero 2024.

Section 1: For Mechanical Equipment

1. Conditions for Riding the Hauler

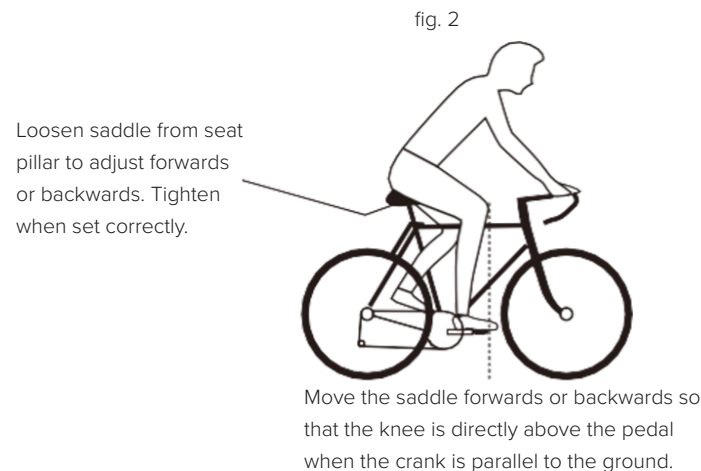
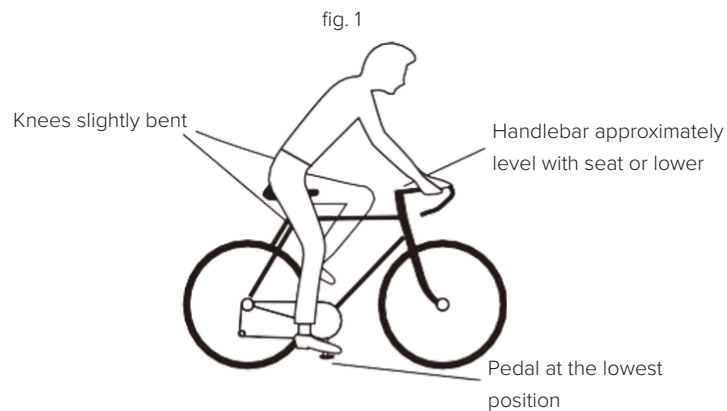
The Hauler is designed for riding on a road or a paved surface where the tires do not come in contact with loose ground. The Hauler must be in working order and maintained according to the instructions in this manual. The maximum weight of the rider and load must not exceed 130kg.

⚠ Warning: The warranty is void and the responsibility for personal injury, damage, or losses is yours if you breach the above conditions.

2. Selection & Setup

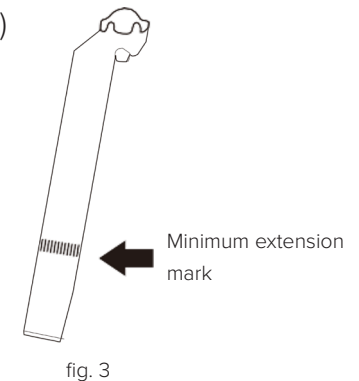
2.1 Saddle and Handlebar Stem Adjustment

The seat can be easily moved either up or down. Adjust the seat so the rider's knee maintains a slight bend when their foot is at the lowest pedaling position (refer to fig. 1). The handlebar stem must be approximately on the same level as the saddle or slightly lower. For some more adjustment tips, please refer to fig. 2 below:



⚠ Warning: If your seat post is adjusted past the minimum extension mark, the seat post may break (refer to fig. 3)

⚠ Warning: Handle stem minimum insertion mark on traditional quill stems must not be visible above the top of headset. If the stem is extended beyond the minimum insertion mark the stem may break or weaken the fork steering tube.



3. Safe Cycling and Safety Tips

3.1 Checking Points Before Riding

Before you ride the Hauler at any time, make sure it is in a safe operating condition. Particularly check the following items:

- Ensure all nuts, bolts, quick-release and parts are fastened tight and aren't worn or damaged
- Riding position is comfortable
- Steering is free with no excessive play
- Wheels run true and hub bearings are correctly adjusted
- Wheels are properly secured and locked to frame/fork
- Tires are in good condition and inflated to correct pressure
- Pedals are securely tightened to pedal cranks
- Gears are correctly adjusted
- All reflectors are in position

After you have made any adjustment need to your electric bicycle, check that all nuts and bolts are securely tightened, and cables are free from kinks and fixed securely to the electric bicycles frame. Every six months, your electric bicycle should be professionally checked to ensure that it is in correct and safe working order. It is the responsibility of the rider to ensure all parts are in working order prior to riding this electric bicycle.

3.2 When Riding Do Not

- Do not ride without wearing an approved helmet, which must comply with the laws, rules or regulations in your local area.
- Do not ride on the same side of road as oncoming traffic
- Do not carry a passenger unless the cycle is equipped to do so with the correct accessories
- Do not hang items over the handlebars to impede steering or from catching in the front wheel
- Do not hold on to another vehicle with another hand
- Do not ride too close to another vehicle

⚠ Warning for Wet Weather Riding: Brakes do not work as well under wet or icy conditions as they do under dry conditions. The braking distance in wet weather is longer than in dry weather, and you should take special precautions to ensure safe stopping. Ride slower than normal and apply your brakes well before anticipated stops.

⚠ Warning for Night Riding: We recommend you minimize the times you ride after dark. If you must be out on your electric bicycle at night, you must comply with the relative laws, rules or regulations in your local area, using a headlight (white) and taillight (red) on your electric bicycle in addition to the all-around reflectors fitted. For more safety, wear light-coloured clothing with reflective stripes. Check that the reflectors are firmly secured in the correct position and are clean and not obscured. Damaged reflectors must be replaced immediately.

4. Routine Maintenance Checks and Lubrication

⚠ Warning: As with all mechanical components, the bicycle is subjected to wear and high stresses. Different materials and components may react to wear or fatigue in different ways. If the design life of a component has been exceeded, it may suddenly fail possibly causing injuries to the rider. Any form of crack, scratches or change of colouring in highly stressed areas indicates that the life of the component has been reached and it should be replaced.


⚠ Warning: It is important to use only genuine replacement parts for several safety-critical components.

To keep the electric bicycle functioning well, the following routine maintenance and lubrication is necessary:

Headset Remove, clean and regrease bearing yearly, checking if replacements are required.	Mudguards Check the mudguards are clean and tight. Ensure the mudguards are secure and undamaged. Replace if necessary.	Bottom Bracket Clean, regrease yearly checking for wear.
Stem Nuts Ensure stem nuts and bolts are tight	Quick Release Check the quick release is tight, ensure the mudguards are secure and undamaged, and replace if necessary.	Gears Front and Rear Lightly oil moving parts. Maintain adjustments of front and rear derailleurs.
Handlebars Check handlebar bolt is tight. Check brake lever is securely mounted to the bars and brakes stop smoothly and efficiently.	Wheel Hubs Grease bearings monthly. Adjust cones to avoid free play side to side.	Chain Cover Check the chain cover is secure and undamaged, replace it if necessary
Brakes Lightly oil the exposed cables monthly. Maintain adjustment and replace brake blocks when worn, and brake cables when frayed.	Reflector (Pedal) Check all fittings are secure.	Seat and Stem Nuts Ensure seat and stem nuts are tight.
Battery Light (front and rear) Ensure the front and rear battery lights are secure and undamaged. Replace if necessary.	Cranks Grease bearing monthly, check that axle bolts and cotter pin bolts are tight, and check for free play in the bottom bracket.	Pedals Lightly oil bearings monthly
Front Suspension Unit Dealer adjustment only	Chain Lightly oil weekly, and clean and lubricate thoroughly half yearly.	Electrical Parts You can refer to the manual for the electrical parts.
Tyres Check for cuts and wear, and maintain pressure indicated on the tyre wall for maximum efficiency.	Wheels Check that axles are sealed and secured properly. The rim should be kept free from wax, oil, grease and glue. Check for loose or missing spokes.	

Half Yearly - Remove and clean, lubricate chain, derailleur gears and all cables. Check and replace as required.

Weekly - Wash the Hauler weekly with warm soapy water and dry thoroughly with a soft cloth.

 **Warning:** When the rim becomes part of the brake system (such as the conditions of the V-brake and calliper brake), it is very important to check the rim wear monthly and adjust the brake shoes accordingly to make the clearance at 1-1.5mm from the track of rim. The wear of the rim may destroy the braking and result in personal injury to the rider or others.

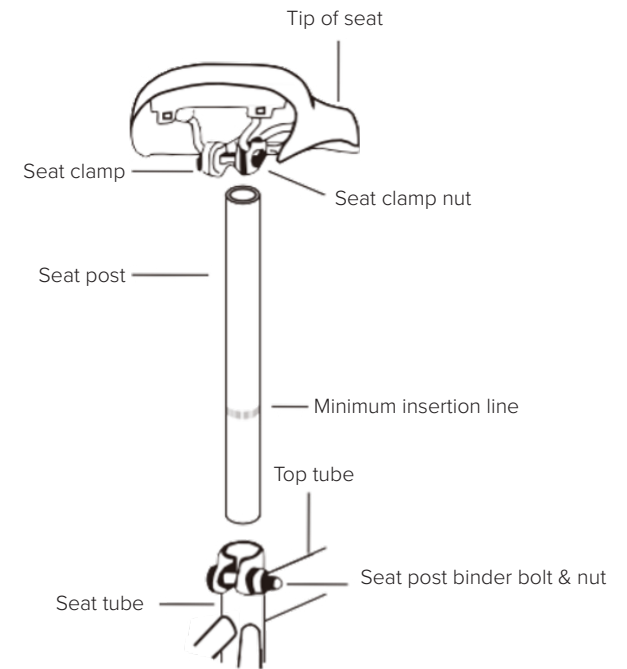
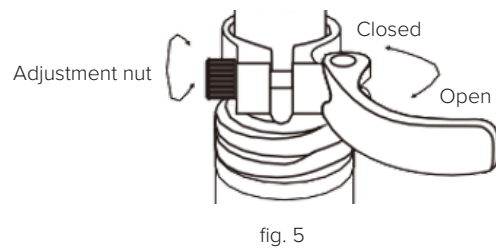
5. Assembly Instructions

Step 1: Preparation

Take the electric bicycle and parts out of the carton and detach all parts that are tied to the frame. Be careful not to scratch the frame or cut the tyre when removing the wrapping. And please do not rotate the handlebar either until disassembly, otherwise it may break the cables. Then carefully examine the carton for loose parts and make certain that no parts are left.

Step 2: Seat Assembly (refer to fig. 4 and 5)

1. Loosen the seat clamp nuts on both sides.
2. Insert the seat post into the seat clamp. The seat post must extend at least 1/4 inch (6-7mm) above the top edge of the seat clamp.
3. Re-tighten the seat clamp nuts on both sides (hand tight).
4. Push the seat post into the seat tube on the frame and rotate the seat until the tip of the seat is directly above the top tube of the frame.
5. Open the seat post quick-release lever (fig. 5). Insert the seat post into the seat tube to a sufficient depth so that the minimum insertion line is no longer showing.
6. When you are satisfied with the height of the seat post, close the seat post quick-release lever. The tightness of the lever is adjusted by rotating the adjustment nut opposite the quick-release lever. Turn the nut by hand to adjust the tension while holding the lever stable.



Step 3: Handlebar & Handlebar Stem Assembly (refer to fig. 6 and 7)

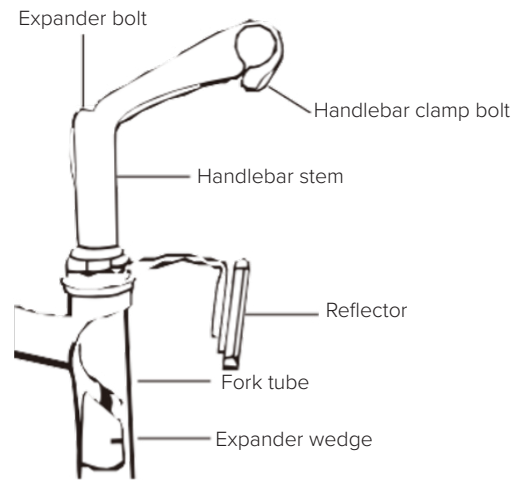


fig. 6

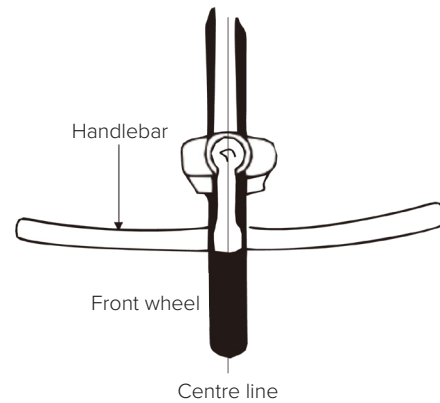


fig. 7

As a usual situation, in our factory, the handlebar has been pre-assembled together with brake levers, shifter levers and grips. Be sure that the longer cable is fixed to the left lever (rear brake) and the shorter cable to the right (front brake), or according to your local rule and practice (Note: In some areas the cables are required to be arranged in the opposite way).

Since your cycle may be fitted with an adjustable, a standard stem or an A-head stem (refer to fig. 6), you must always check that all the bolts are tight before cycling. Based on the situation of the standard handlebar stem, please follow the instructions below:

1. Push the handlebar stem into the fork tube (head of the frame) to the minimum height line that is marked on the side of the handlebar stem. It might be necessary to loosen the expander bolt so that the stem can slide into the fork tube until you get the desired height of the handlebar stem.
2. Align the handlebar stem with the front wheel (see fig. 7). Tighten securely the expander bolt with an adjustable wrench. **Note:** Some models require a 6mm Allen key. (Tightening torque: 18N.m or 14 footlbs.torque)
3. Loosen the handlebar clamp bolt and nut from the stem.
4. Position the handlebar at the desired angle. Make sure that the stem is in the centre of the handlebar
5. Tighten securely the handlebar clamp bolt (Tightening torque: 18N.m or 14 foot. lbs)

6. Be sure that your handlebar and stem assemblies are properly tight before riding. The handlebar should not rotate in the stem.
When you straddle and grip the front wheel between your knees, the handlebar should not be able to turn when you apply pressure horizontally. Refer to (fig. 7).

Note: Under the situation of the A-head stem, you make a similar operation as the above. Compression bolt tightening torque: 23N.m or 17-foot lbs. torque; stem clamp bolt tightening torque: 12N.m or 9 feet. lbs

Step 4: Attaching Pedals (refer to fig. 8)

1. The pedals are marked with either a “R” or “L” on the threaded end of the pedal axle.
2. Screw the pedal marked “R” into the right side of the crank assembly (chain side of electric bicycles). Turn the pedal (by hand) in the clockwise direction. Tighten securely with an adjustable wrench or the plate wrench special for pedals (Tightening torque: 34N.m or 26foot.lbs).
3. Screw the pedal marked “L” into the left side of the crank assemble. Turn the left pedal (by hand) in the counterclockwise direction. Tighten securely with an adjustable wrench or the plate wrench special for pedals (Tightening torque: 34N.m or 26foot.lbs).

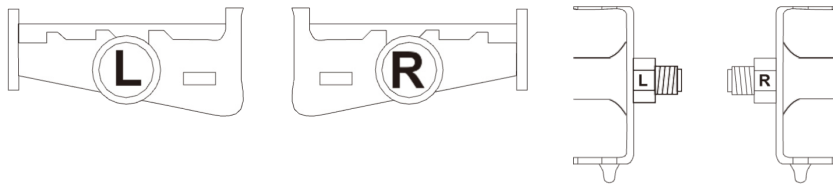


fig. 8

Step 5: Brake Adjustments

The brake on your electric bicycle should have been adjusted correctly in our factory, however, as cables do stretch, it is important to check the adjustment of your brakes after your first riding. Most brakes will need some adjustment after being used a few times.

Brake Pad Wear and Replacement

When you check your brake pads due to reduced performance, check their thickness. If they are less than 1 mm (fig. 9), they will need replacing.

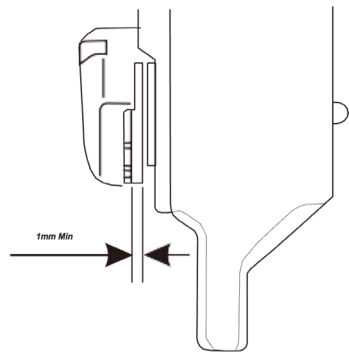


fig. 9

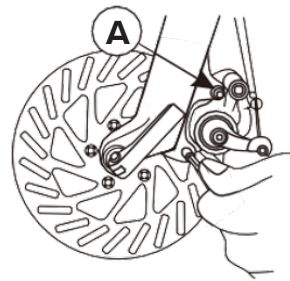


fig. 10

To fit new pads, remove the brake calliper from the fork or frame by unscrewing Allen bolt A (fig. 10). Unscrew (anti-clockwise) the smaller Allen bolt inside. Lift up and pull the inner pad downward, using the protruding part. Slide a thin slot screwdriver under the outer pad and lift it up. Hold the screwdriver in this position and remove the pad with a pair of long-nosed pliers.

Remove the springs from the worn-out pads and fit them onto the new pads. Replace the new pads, keeping them slightly inclined into the seat of the Caliper. Check that the spring hooks correctly onto the small piston (when pulling downwards the pads should not come out). Refit the calliper to the fork or frame and adjust screw until the pads and the disc are centred and the wheel spins freely. Again there may be some noise from the brake until it “beds” in.

Step 6: Derailleur Gears Maintenance and Adjustment

To ensure that your derailleur gear works efficiently and to prolong its life, it must be kept clean and free from excessive dirt and should be properly lubricated.

Before adjustment, please make sure you are aware of the following details:

- The right shifter controls the rear derailleur and sprocket.
- The largest rear sprocket is for low gears; for hill climbing; the small rear gear sprocket is for high gear ratios for speed work and downhill riding.
- The small chain ring produces low gear ratios while the larger front chain ring produces high gear ratios.
- To operate your derailleur gear system efficiently and to reduce damage, wear and to keep noise to a minimum, avoid using the maximum crossover gear ratios of large chain-ring/large rear sprocket, small chain-ring/small rear sprocket.

Note: For positive gear selection, observe these four precautions

1. Change only when pedals and wheels are moving in a forward motion
2. Reduce pedal pressure while changing gears
3. Never backpedal when changing gears
4. Never force the gear levers

Rear Derailleur Adjustments

Move the shifter all the way forward (toward the seat) and with the chain on the smallest rear sprocket and largest front sprocket, check for cable slack at point “B”. If there is slack, loosen the cable nut or screw, pull on the cable end with pliers and retighten the cable nut or screw while pulling the cable taut(tightening torque: 5-7N.m or 4-5foot.lbs)

Top Adjustment

Turn the “H” adjusting screw (or top rear adjustment screw) on the gear mechanism so that, looking from the rear, the guide pulley is below the outline of the top gear.

Low Adjustment

Turn the “L” adjusting screw (or low-gear adjustment screw) so that the guide pulley moves to a position directly below the low-gear.

1. Operate the shifting lever to shift the chain from top gear to 2nd gear.
 - If the chain will not move to the 2nd gear, turn the cable adjusting barrel to increase the tension 1 (counterclockwise).
 - If the chain moves past the 2nd gear, decrease the tension 2 (clockwise).
2. Next, with the chain on the 2nd gear, increase the inner cable tension while turning the crank forward. Stop turning the cable adjusting barrel just before the chain makes a noise against the 3rd gear. This completes the adjustment. Be sure to perform oil maintenance at each part of the transfer mechanism. The optimum oil is dry molybdenum oil or the equivalent.

Step 7: Tighten the Front and Rear Hubs Nuts Securely

(Tighten torque: about 30 N.m for the front wheel, about 25 to 30 N.m for the rear wheel).

Before riding, lift the front of the bicycle so that the front wheel is off the ground and give the top of the tyre a few sharp downward strikes. The wheel should not wobble or come off.

Step 8: Inner Gear Adjustment

Please refer to the attachment copy inside the bike carton.

Section 2: For Electric Equipment


The Hauler is fitted with an electric assistance system will help riders save their energy.

The function of called “start aid”: when you long press the down button, the bike can be started at speed of 6 km/h. After the e-bike is moving forward, you can begin pedalling and release the “start aid” button.

Also, you can pedal 3/4 round of the chain wheel to start the motor without using the “start aid” button.

1. Important Safety Cautions

- We strongly advise wearing an approved helmet, that meets your local standards.
- Obey local road rules when riding on public roads. Be aware of traffic conditions.
- Parents need to ensure their children are supervised when riding the Hauler.
- Have the Hauler serviced only by local authorised bicycle shops. Regular servicing will ensure a better and safer riding performance.
- Do not exceed more than 130kg load on bicycle, including rider.
- Ensure regular maintenance is carried out on the bike according to this owner's manual.
- Do not open or attempt maintenance on any electrical components.
- Contact your local bicycle shop for qualified service and maintenance if needed.
- Never jump, race, perform stunts or abuse your bicycle.
- Never ride under the influence of drugs or alcohol.
- We strongly recommend switching on the lighting system, when riding in the dark, fog or poor visibility.
- When cleaning this bike, please wipe the surface with a piece of soft cloth. For hard-to-clean spots, you can wipe it with a little neutral cleaning agent.

 **Warning:** Do not wash this electric bike directly by spraying water on the bike to avoid water entering the electric components, which may result in damage to the electric components.

2. Operation

2.1 Checking Before Riding

1. Please ensure the tyres are fully inflated to 45psi, before riding. Remember, the performance of the e-bike is directly related to the weight of the rider and load, together with the stored energy in the battery.
2. Charge overnight, prior to riding the next day.
3. Apply chain oil periodically and clean if dirty or gummed up, using a degreaser, then wipe clean and oil the bicycle chain again.

2.2 Switching On and Charging the Battery

- The battery is located in the frame (pictured below) and can be taken out for charging directly. When you turn on the display, the battery is switched on too.
- **Note:** Please make sure the plastic plug is closed.
- You can take out the battery and charge it directly by releasing it using the key. Remove the battery from the frame of the bike.
- To maintain the health of the battery, charge the battery once a month if you don't use it for a long time.



2.3 Functions of the Display

- Refer below to the LCD display. There are three buttons located on the left handlebar. From top to bottom: the top and bottom buttons are for adjusting the Pedal Assisting (PAS). The middle button for Mode.



- Hold Mode button for a few seconds to turn on the display.



- When you turn on the display, the Pedal Assist (PAS) is set to 1.
- When you stop riding, hold Mode button for a few seconds to turn off the display and switch off the battery.
- To turn the lights on/off, hold the up button for a few seconds.

2.4 Advantages of a Lithium Battery

The Hauler is equipped with high-quality lithium batteries, which are light and create no pollution to the environment, as a typical green energy source. As well as the above features, the lithium batteries have the following advantages:


- Charging without memory effect
- Big electric energy capacity, small volume, light in weight, with large current output, suitable for high-power vehicles
- Long life
- A wide working range of temperature: -10°C to +40°C

2.5 Procedure for Charging

Note: Before charging, please also read carefully the manual accompanied with the bike, if any, for the charger and battery issued by the relative manufacturers, to know more details.

Please charge the bike battery according to the following procedure:

1. Make sure the display is turned off. Then open the charging socket cover, which is situated at the folding system.
2. Insert the charger output plug into the battery securely and then plug the main cable of the charger into an AC outlet.
3. When charging, the LED on the charger will light up red, showing charging in progress. When it turns green, the battery is fully charged.
4. Disconnect the charger input plug first from the AC outlet, then disconnect the charger output plug from the battery. Finally, close the cover on the charging socket and check that the socket is securely covered.

 **Warning:** Only use the charger provided with the electric bike, otherwise, damage may occur to your battery and void the warranty. When charging, both battery and charger should be a minimum of 10cm away from the wall, or under a condition of ventilation for cooling. Place nothing around the charger, while in use!

3. Using and Maintaining the Electric Hub Motor

- To avoid damaging the motor, it is better to start the motor after the bike has been pedalled from a standstill. Under the usual conditions, our e-bikes are programmed in our factory to start the electric assistance when pedalling a 3/4 circle of the chain wheel.
- Do not use the bike in a rainstorm or thunderstorm. Nor use the bike in water. Otherwise, the electric motor may be damaged.
- Avoid any impact towards the hub motor, otherwise, the casting alloy aluminium cover and body may break.
- Make regular checks on the screws on both sides of the hub motor, and fasten them even if they are a little loose.

Using and Maintaining the Battery Charger:

Before charging the battery, please read the Hauler's owner's manual. To ensure a longer battery life and protecting it from damage, please use and maintain it according to the guideline below:


- This charger is forbidden to be used in an environment with explosive gas and corrosive substances.
- Never strongly shake, punch and toss this battery charger, to protect it from damage.
- It is necessary to protect the battery charger from rain and moisture!
- This battery charger should normally be used under temperatures ranging between 0°C to +40°C.
- ALWAYS charge the battery after riding your bike;
- If the bike is ridden less frequently, then a long and full charge each month will be necessary to assist battery life and capacity.
- If the battery will be not used and stored for quite a long time, it is necessary to be fully charged every month, and make a full discharge and recharge every three months.
- Lithium batteries should be used in places ranging between - 10°C to +40°C in temperature and 65±20% in moisture, and ensure the hub motor works normally. Store under temperature 0°C to +40°C, 65±20% in moisture.
- It is necessary to check the cable connection to the motor often, to ensure the hub motor works normally.

Warnings:

- The battery life may be reduced after long storage without regular charging as instructed above.
- Never use any metals directly to connect the two poles of the battery, otherwise, the battery will be damaged due to a short circuit.
- Never put the battery near to fire or heat it.
- Never strongly shake, punch and toss the battery.
- When the battery pack is removed from the bike, keep it out of reach of children, to avoid any unexpected accidents.

4. Maintaining the Controller

- It is important to take care of this electronic component, according to the following guideline: pay careful attention to protect from rain which may damage the controller.
- **Note:** In case the controller box is soaked, please switch off the power immediately and pedal without electric assistance. You can pedal with electric assistance as soon as the controller is dried up!
- Pay attention to protecting from any strong shaking and impact, which may damage the controller.
- The controller should be working under the temperature range from - 15°C to +40°C.

 **Warning:** Do not open the controller box. Any attempt to open the controller box, or modify or adjust the controller will void the warranty. Please ask your local dealer or an authorised person to inspect/repair your controller.

5. Simple Trouble Shooting

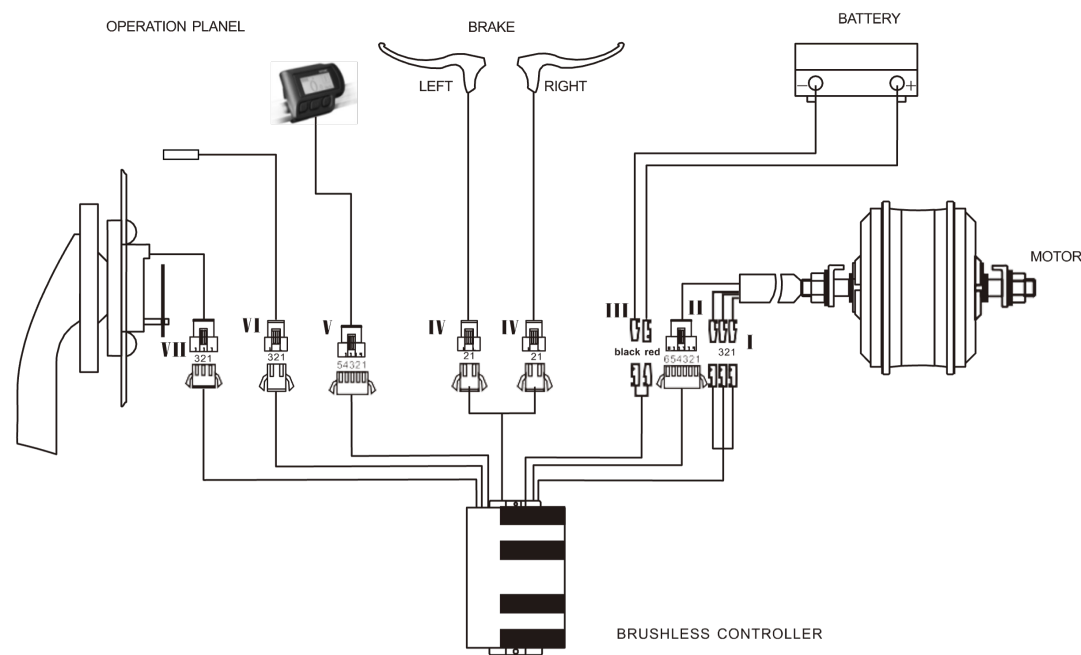
The information below is for the purpose of troubleshooting and is not a recommendation for the user to repair. Any remedy outlined must be carried out by a professional who is aware of the safety issues and is sufficiently familiar with electrical maintenance.

Trouble Description	Possible Causes	Troubleshooting Method
After the main battery switching on, the motor does not generate assistance when press the “6km/h” button or pedaling	The motor cable waterproof connection joint is loose	Check if the connection is securely fixed. If loose , joint them tightly
	Brake lever have not well returned, which makes power off	Make the brake lever come back to its normal position without braking
	Battery Fuse is broken	Open the battery pack top handle, and check if the fuse is broken. If yes, please come to your dealer or authorized service for installing a new fuse
		If the above has no effect, please contact your vendor or authorized service
The distance per charge become short (Note: performance of the bike battery is directly related to weight of the rider and any baggage/load)	Charging time is not enough	Please charge the battery according the instruction Chapter 3.3
	The environment temperature is so low that it affect the battery working	In winter or under 0°C,you'd better store the battery in room
	frequently going up sloop, or going against wind, or on the poor road condition	It will be normal if the riding conditions are improved as regular
	The tires are failed to be inflated	Pump the tires and ensure tires are fully inflated to 45psi for your bike.
	Frequently braking and starting	It becomes normal when the riding situation become better. No worry about such a trouble
	Battery have been stored without using for quite a long time	Make regular charging according to this instruction manual
After plug the power outlet, no charger indicator LED is bright	Trouble from the power outlet.	Check and repair the power outlet.
	Poor contact between charger input plug and power outlet.	Check and insert the power outlet tightly
		If the above has no effect, please contact your dealer or authorized service
After charging 4-5 hours more, the charge indicator LED is still red, while the battery is still not full (Note: it is very important to charge your bike strictly according to this instruction stated in Chapter 4.4, to avoid any trouble and damage occurred to your bike)	Environment temperature is 40°C and above.	Charge the battery in an area under 40°C, or according to this instruction chapter 3.5
	Environment temperature is under 0°C.	Charge the battery in room, or according to this instruction chapter 3.5
	Failed to charge bike after riding, resulting in over discharge.	Please contact your dealer or authorized service and try to recover the electric capacity
	The output voltage is too low to charge the battery.	No charging when the power supply is lower than 100V

6. Electric Circuit Diagram and Specifications

Here are the main technical specification details regarding the bike. Benzina Zero reserves the right without further notice to make modifications to the product. For further advice, please contact your vendor.

Electric Circuit Diagram (P111)



I. Motor 3 phase wire is connected with motor

1. Green (motor HA)
2. Yellow (motor HB)
3. Blue (motor HC)

II. Motor

1. Red (+5V)
2. Yellow (motor HB)
3. Green (motor HA)
4. Blue (motor HC)
5. Black (ground)
6. White (wheel speed sensor)

III. Power wire is connected with the power

1. Red (+5V)
2. Black (ground)

IV. Brake lever wire is connected with the brake lever

1. Blue (ground)
2. Red (brake lever signal)

V. Displayer 1. Red(+36V)

1. Blue (lock)
2. Black (ground)
3. Green (signal)
4. Yellow (A/D)

VI. Light

1. Red (+5V)
2. White (signal)
3. Black (ground)

VII. Power wire of the speed sensor is connected with the controller

1. Blue (speed signal wire)
2. Red (+5V)
3. Black (ground)

Specifications

Description	Specification
Colour	White or Red
Frame	20 Inch Aluminum Alloy Frame
Lighting	Side Lights Rear
Alarm	2 x Remote Anti-Theft Type
Mirrors	L/H & R/H
Forks	Front Telescopic Forks
Stem	Fully Adjustable Reach and Height
Bell	Yes
Chain Guard	Yes
Motor	48V250W Rear Hub
Speed	25km/h locked
Tyre	20*4.0 1A-1516 Fat Tyre with Reflective Strips
Controller	48V250W Speed Ltd 25km/h
Light Front	LED - 110 Lux
Light Rear	Light & Stop Light
Battery	48V20Ah
Battery Range	100km
Charger	48V3Ah
Battery Lock	Yes - Key Operated
Brakes - Front	Disc - Hydraulic System
Brakes - Rear	Disc - Hydraulic System
Seat Post	Shockabsorber Type
Crash Bar Rear	Standard
Chaingard	Aluminium Alloy
Stand	Center Stand & Side Stand
Rack Front Flat	Standard
Rack Rear Flat	Standard
Childrens Seat	Optional Extra Kit

Trademarks and Legal Statements

Benzina Zero is a registered trademark of Benzina Zero Pty Ltd.

Product Legal Statements

The more familiar you are with this product, the safer you will be when riding. Please pay more attention on the followings:

1. Read the product instructions carefully. If you cannot ride the product according to the instructions, please do not attempt to ride the product.
2. Please do not allow people who have not read this manual carefully to use the product. When you lend your product to others, you must deliver the product together with the product description, and inform them of the use method and safety tips.
3. Purchase insurance in time after purchasing this product, so as to minimise the risk of use.
4. You are obliged to be aware of all relevant laws, regulations and policies regarding electric bicycles/scooters/motorcycles in your area and strictly comply with the applicable laws, regulations and policies. Avoid riding in areas that are not allowed by local laws, regulations or policies.
5. When you receive this product, please immediately check whether the product and accessories are intact and complete. Due to the special needs of the e-bike in the logistics transportation, we will use the packing box to ensure its transportation safety. In order to make you better enjoy the services we provide for you, it is recommended that you keep the packing box for at least 15 days from the date of product receipt.
6. All Benzina Zero products should be assembled correctly according to the instructions, improper installation may cause mis-control, collision or fall. Please turn off the power before installation or maintenance. In the installation of components, please ensure that all latches and screws are secure. Installation too loose or too tight may lead to product damage or present fault.
7. This product may contain detachable parts, which should be kept away from children due to the risk of swallowing.
8. Before each use of this product, please check tyre performance, the running state of the battery and e-bike body installation status. To ensure that the packaging contains all parts of the e-bike and ensure that there's no sign of damage.
9. It is recommended to wear protective glasses when riding, which can prevent dirt, dust and insects in the air. Use lenses of different lightness: dark when fiber is strong, transparent when light is low.
10. This product can only be ridden by one person at a time. When riding, please keep alert and ride at an appropriate speed
11. Do not park the product in the an entrance or exit, evacuation passage and other prohibited parking areas. Do not throw or drop the product. Do not place the product on open flame or under high temperature.

12. Use the original battery pack and charge the battery with the original charger. Otherwise, the charger or battery may be damaged or safety risks may occur.
13. When charging, connect the power cable to the correct socket (110V-240V to 50Hz/60Hz), keep it away from children and pets, and keep it away from flammable objects. If the battery is damaged or flooded, do not charge or use the battery. Do not charge this product when the socket is wet.
14. It is strictly prohibited to immerse the battery or e-bike body in water or to be exposed to heavy rain or ride in the rain, so as to avoid water flooding in the battery compartment and circuit chip.
15. Due to the work of the intelligent system and alarm system of the e-bike, the battery power will be consumed from time to time. After the battery is placed in the e-bike for a period of time without use, power decline is normal. If the e-bike is not used for a long time (such as winter, summer or other special circumstances), please store the battery separately and charge it regularly, otherwise it may cause the battery to run out completely and produce irreversible capacity decay.
16. Do not store the battery in an environment higher than 50°C or lower than -20°C, otherwise it will cause irreversible capacity decay.
17. Please do not store the battery or e-bike in a place with a risk of falling, which may cause damage inside the battery and may lead to leakage, heat, smoke, fire or explosion of the battery.
18. There are harmful substances in the battery. Please do not try to destroy the battery. The battery is not a repairable part. If the battery has a peculiar smell, heat, deformation or other abnormal conditions, please stop using it immediately, keep away from the battery and contact the after-sales department.
19. Warning: Due to the user's failure to use and maintain the battery normally, the battery performance deteriorates or cannot be used normally, which is not within the scope of the warranty.
20. Improper disposal of used batteries may seriously pollute the environment. Discard the battery pack in a sustainable manner observing local laws and regulations when disused battery packs.
21. Please avoid the use of non-original parts, and do not disassemble, crack or modify the product and parts without authorisation. The damage and loss caused by this will be borne by you.
22. If the product does not belong to the scope of warranty services, you need to pay for maintenance and related services.
23. If this product and its parts need to be repaired or replaced during use, please keep the relevant after-sales service information after repair or replacement.
24. Please strictly abide by the traffic laws and regulations in your area. Due to the differences in laws, regulations and policies of registration management and government control in different countries or regions, please confirm the local registration management and control policies and programs before purchase and use, and consult the relevant local management departments for relevant questions. The Company shall not bear any responsibility for any loss caused by the failure of registration or other policies and regulations.

Others

1. Product data and parameters between models are subject to change without prior notice.
2. To the extent permitted by law, our Company reserves the right to interpret and explain this Statement.
3. This Statement shall be governed by the laws of Australia—Queensland. The Company shall not be liable for all claims, liabilities and losses arising or likely arising out of the consumer's breach of the terms of the above statement. Drivers should be responsible for unforeseen or unavoidable risks encountered in the course of riding.
4. If one day you want to resell or re-gift the product you purchased, please do not forget to forward this legal declaration with you as it is part of the product. If you have any questions, contact info@benzinazero.com

Thank you again for your choice and trust in this product.

