



GOTRAX

K2

OPERATING MANUAL



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PREFACE

Dear Users:

We appreciate your business and hope that you will be happy with your purchase. Your satisfaction is our highest priority.

We strive to design and manufacture our electric mobility vehicles with the highest standards of safety and reliability. This K2 dirt bike has a unique appearance, comfortable riding position, easy operation, and an extended range. It is also safe and reliable. Please read the entire user manual and familiarize yourself with the complete form and function of this dirt bike prior to riding. Please pay special attention to the pre-ride checklist and regularly scheduled maintenance schedule to ensure the longevity of this product.

WARNING! Please ensure that all riders are familiar with the safe operation of this dirt bike prior to riding. Please wear a helmet, and all necessary safety gear. Please note that this dirt bike is not approved for on-road use. This is strictly an off-road dirt bike. Please become familiar with, and obey all local laws and regulations regarding dirt bike use.

~~As the company's products are constantly improving and the products are different~~
As we are currently working to develop and improve our products, there may be some slight discrepancies between the manual and the item that you receive.

Remove space

i Precautions For Safe Driving

Please obey the traffic rules and control the speed within the safe speed. (the maximum speed of this car is 80km/h)

Please read this entire manual and complete the pre-ride checklist before your initial ride. We recommend finding a large, flat field free of obstacles for your first ride to provide an open and safe space to become familiar with the operation of the vehicle.

Warning


1. Ensure that all riders are familiar with the safe operation of this dirt bike. Always ride with two hands on the handlebars and never ride after drinking alcohol or using drugs. Only one rider can be on the dirt bike at a time, no passengers.
2. Slow down and increase expected stopping distances when conditions are wet, snowy, or icy.
3. Always wear a helmet and other protective equipment when operating this dirt bike.

OFF ROAD USE ONLY


THIS VEHICLE IS DESIGNED AND MANUFACTURED FOR OFF ROAD USE ONLY. IT DOES NOT CONFORM TO FEDERAL MOTOR VEHICLE SAFETY STANDARDS AND OPERATION ON PUBLIC STREETS, ROADS, OR HIGHWAYS IS ILLEGAL.

Your safety, and the safety of others, is very important. And operating this motorcycle safely is an important responsibility.

To help you make informed decisions about safety, this manual contains a section devoted to *Motorcycle Safety*, as well as a number of Safety Messages throughout the manual.

Safety Messages are preceded by a safety alert symbol  and one of three signal words: **DANGER**, **WARNING**, or **CAUTION**.

These signal words mean:

 **DANGER**

You **WILL** be **KILLED** or **SERIOUSLY HURT** if you don't follow instructions.

 **WARNING**

You **CAN** be **KILLED** or **SERIOUSLY HURT** if you don't follow instructions.

 **CAUTION**

You **CAN** be **HURT** if you don't follow instructions.

Of course, it is not practical or possible to warn you about all hazards associated with operating or maintaining a motorcycle. You must use your own good judgment.

Important Safety Precautions

Your CRF can provide many years of pleasure, if you take responsibility for your own safety and understand the challenges you can meet in competitive racing.

As an experienced rider, you know there is much you can do to protect yourself when you ride. The following are a few precautions we consider to be most important.

Never Carry a Passenger.

Your CRF is designed for one operator only. Carrying a passenger can cause a crash in which you and others can be hurt.

Wear Protective Gear.

Whether you're practicing to improve your skills, or riding in competition, always wear an approved helmet, eye protection, and proper protective gear.

Take Time to Get to Know Your CRF.

Because every motorcycle is unique, take time to become thoroughly familiar with how this one operates and responds to your commands before placing your machine, and yourself, in competition.

Learn and Respect Your Limits.

Never ride beyond your personal abilities or faster than conditions warrant. Remember that alcohol, drugs, illness and fatigue can reduce your ability to perform well and ride safely.

Don't Drink and Ride.

Alcohol and riding don't mix. Even one drink can reduce your ability to respond to changing conditions, and your reaction time gets worse with every additional drink. So don't drink and ride, and don't let your friends drink and ride either.

Keep your Honda in Safe Condition.

Maintaining your CRF properly is critical to your safety. A loose bolt, for example, can cause a breakdown in which you can be seriously injured.

Lithium-Ion (Li-Ion) Battery.

If you smell an unusual odor coming from the lithium-ion (li-ion) battery, park your CRF in a safe place outside and away from flammable objects, then stop the engine. Have your CRF inspected by your dealer immediately.

Correct Dress:

Never operate this Dirt Bike without wearing an approved motorcycle helmet that fits properly. You should also wear eye protection (goggles or face shield), gloves, boots, a long-sleeved shirt or jacket, and long pants.

The load should not be too heavy

The K2 is designed to carry one rider up to 250 lbs and no additional gear. Overloading the bike can cause damage to the bike and lead to loss of control when riding.

! Pay Attention To

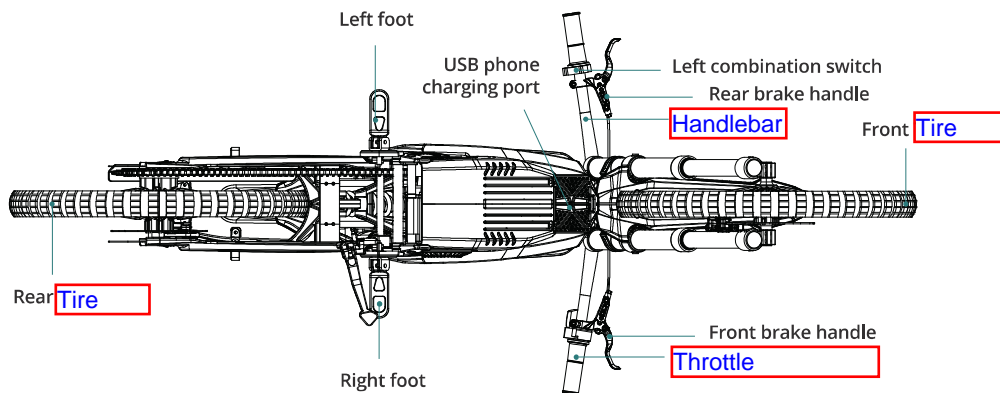
In order to help identify this dirt bike for maintenance, repair, and service, a serial number has been stamped on both the frame and motor.

The number on the frame is stamped on the side of the frame and the serial number for the motor is stamped on the side of the motor.



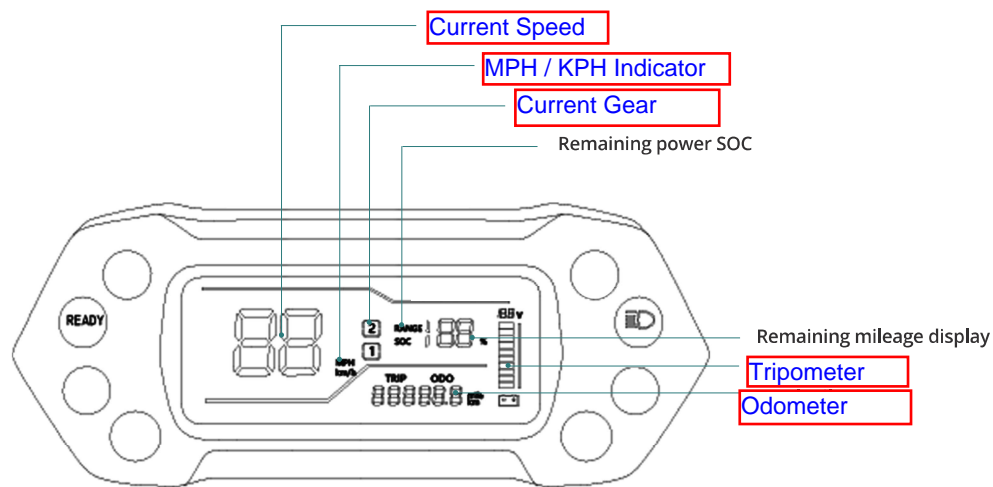
Schematic Diagram Of Vehicle And Parts

Please refer to the figure to identify the vehicle body parts and be familiar with the vehicle



****Change to top view picture of motorcycle

Function And Operation Of Each Part



Each Area Function:

Combination switch Use to select gear
start the alarm horn.

Battery meter. You can click to view the remaining battery power.

USB power interface. Supply power to USB devices with maximum current 1 A.

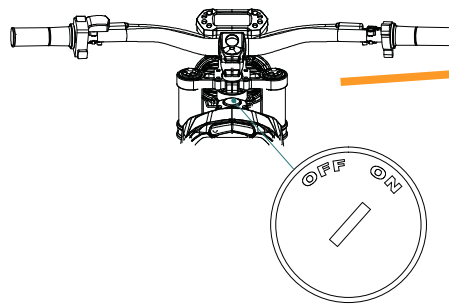
~~Electric door lock. Start motor and vehicle function in 0-N operation position,~~

Switch Adjustment And Setting:

The combination switch allows you to change between gear 1 and gear 2. Gear 1 is "Economical Mode", which will limit the speed and power of the bike. It will also increase the maximum operating range. It is recommended to start with the bike in gear 1 until you become familiar with the operation of this dirt bike. Gear 2 is "Sport Mode" which allows for full speed and power.

Description of Instrument Button Functions:

1. After the meter is powered on, press and hold the right button to switch the display of metric and imperial units;
2. After the meter is powered on, press and hold the left button to switch the remaining mileage and SOC



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Correct Use And Driving Operation

Starting Method

Before starting: standing on the left side of the car to check the vehicle.

1. first opens to the ON position. Then close the battery bin, insert the lock key into the lock, turn right to the ON position (operation), and check whether the switches, instruments and speakers are normal, and hold the brake handle back and forth to check the braking function.
2. motor starting: the side bracket is collected. After the driver sits down on the electric car, slowly and steadily turns the handle to start. The vehicle has a power-off protection of side bracket. When the side bracket supports the vehicle, the motor can not start.

Throttle Control

~~Speed Adjustment~~

WARNING! The throttle is located on the right handlebar. Slowly twist the throttle handle towards you to accelerate. Twist the throttle away from you to decelerate. Releasing the throttle handle will automatically return it to the original position.

Turn the handle smoothly and slowly to avoid accidental rapid acceleration and loss of control

Use Of Brake

1. Release the throttle handle, grab the right and left brake handles and squeeze the appropriate force.
2. The force you squeeze the brakes with will change based on your speed, the surface you are riding on, and other environmental factors.
3. Avoid rapid, aggressive braking and steering when stopping to reduce the risk of losing traction and falling.

Caution When ~~Driving~~ Riding

1. Use caution when riding. Ride as smoothly as possible and avoid rapid acceleration and deceleration. This will increase the operating range and help prevent damage to the electrical components of the dirt bike.
2. In rainy and snow conditions, the riding surface will be wet and provide less traction. Please ride slowly and increase your anticipated stopping distance.
3. Avoid riding in heavy rain or through standing water. If the depth of the water surpasses the center of the wheels, the motor, brakes, and other electrical components could be damaged.

4. Pay attention to

The kickstand is only designed to hold the weight of the bike and not support the bike with a rider. Stop the bike and use the kickstand on solid ground. Leaning the bike on soft ground could cause the bike to tip and cause damage. .

5. Parking method

1. Find a flat spot with a hard surface, large enough to safely park the dirt bike.
2. Release the throttle and apply the brake, bringing the bike to a complete stop. After coming to a complete stop, turn the key to the "Off Position".
3. Step off on the left side of the bike and put down the kickstand, leaning the bike on flat, solid ground. Remove the key.

6. Cleaning Your Bike

Do not use high pressure hose to clean the bike, as it could damage the electrical components.

Use Of Battery And Charger

This dirt bike has a high capacity lithium-ion battery and functions best between 50°F and 86°F. Operation outside of this range will affect the battery performance and longevity.

Warning

Do not charge the battery below 32°F. Doing so will permanently damage the battery.

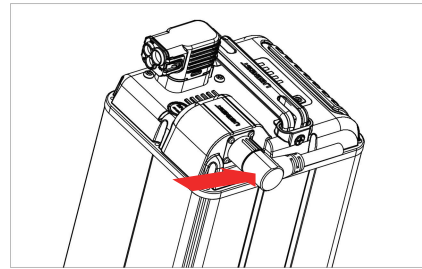
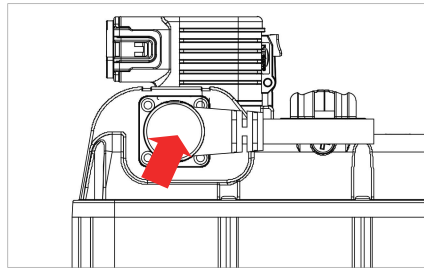
2. In cold weather, the battery life and range will be lower, when the temperature rises, the battery life and range will return to normal.
3. The battery and charger have a Battery Management System (BMS) that prevents the battery from over-charging. It is not recommended to store the battery with 0% charge for an extended length of time, as this will affect the battery performance. When the power is depleted, the battery should be charged as soon as possible.
4. This lithium-ion battery does not have a memory effect and can be charged from any level of charge without affecting battery life or longevity.
5. If you plan to store the battery for an extended period of time, charge the battery to 60% and plug the battery in every 3 months.

⚠ Be Careful

When braking, apply both the front and rear brake with appropriate pressure. Applying just the front, or just the rear can cause loss of control.

If the motor or controller overheats, or the battery temperature is too low, power will be automatically reduced. When the dirt bike returns to a normal operating temperature, normal operation will automatically resume.

Battery Charge And Charger Use



1. Only use the provided charger to charge the battery. Using any other charger can damage the battery. Carefully insert the charging plug aligned with the adapter pins to avoid damaging your charge port or battery connector.
2. The input voltage to the battery should be a standard AC 110V-220V.
3. The charging plug can be directly inserted into the charging port on the left side of the dirt bike.
4. The right side of the battery connects to the dirt bike drive system. The silver color socket is the battery direct charging port. When charging the battery directly, insert the charger adapter to the battery before plugging the charger into your wall outlet.

5. The charging indicator light will flash when charging and remain steady when the battery has reached full charge.
6. The battery and charger have a Battery Management System (BMS) to prevent overcharging. It is not advised to leave the battery charging for more than 6 hours.
7. Do not attempt to disassemble or repair the battery.

Precautions For Charging

Always charge the battery in a dry and well ventilated space, outside the reach of children or pets. Never cover the charger or battery with anything while charging.

If the charger or battery is giving off a strong odor or becomes hot, unplug the charger immediately.

After the battery has reached full charge, unplug and wait 10 minutes before use.

Use And Maintenance Of ~~Motor And Controller~~. Dirtbike, Motor, Controller

1. Check to make sure all screws and bolts are tight.
2. Ensure the connection between the motor and controller is secure.
3. Check to ensure the fuses are inserted tightly and properly
4. Do not ride through deep water or puddles. Water on motor, controller, and batteries can damage the electrical components of this dirt bike.



Check Before Driving

Tire Inspection

1. Ensure tire pressure is within the range listed on the sidewall of the tire.
Abnormal tire pressure can lead to additional wear and tear on the tires and lead to poor steering control, reduced speed, reduced range, and potential loss of control when riding.
2. Check to ensure the tires are free of crack and and abnormalities.
3. Ensure there are no nails, rocks, glass, or anything else embedded in the tires
4. The tires should be replaced when 2/3 of the tread has worn off
5. Ensure the spokes are tight in the wheel.

! Pay Attention To

Abnormal tire pressure, damage, abnormal wear and tear, etc. will cause driving safety hazards. A lack of air pressure can lead to abnormal wear and tear, poor steering, low speed and short endurance mileage.

Excessive tire pressure will lead to abnormal wear, poor comfort, and even puncture, causing safety hazards.

What service to the bike is required at 185 miles??

! Warning

This dirt bike has a 185 mile break-in period. Service should be completed after the first 185 miles and then every 600 miles thereafter.

1. Check to ensure the controller is functioning properly

2. Operate the switch and check whether the horn works normally.

3. Hold the left and right brake handles respectively to check whether the front and rear brakes work normally.

Check Handlebars And Seat Cushions.

Insert header "Removing the Battery"

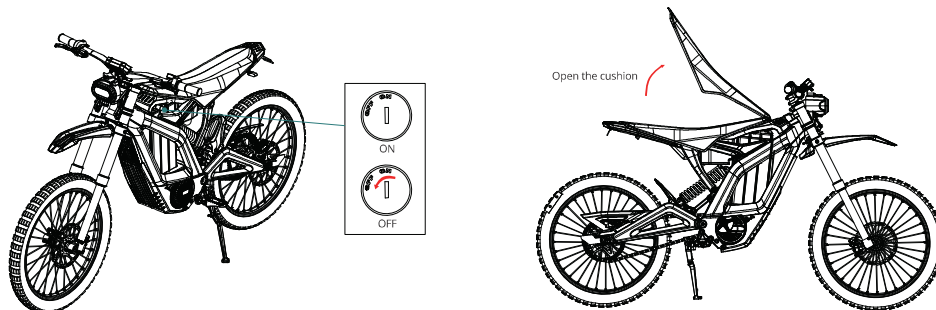
Ensure the handlebars are and seat are tightly secured

If you find any problem after inspection, please read the related content of this manual or contact the dealer to provide you with perfect after-sales service.

1. Turn off the dirt bike and remove the key. Use the key to unlock and lift the seat.

Add text here

2. Disconnect the battery connector and pull up to remove the battery.



Install The Battery

1. Use the key to unlock and raise the seat.
2. Lower the battery from the top into the battery compartment. The battery connecting port should be facing the left side of the dirt bike. Attach the battery connecting cable, close and lock the seat.

Brake Maintenance

Before each time you ride your dirt bike, check that your brakes are in proper working condition. Check that strong brake force pressure is present in the handle levers, and that the disc brakes and pads are free of obstructions and are clean.



Regular Inspection And Simple Maintenance

In order to extend the service life of the vehicle and make it safe and comfortable, please check and maintain the vehicle regularly. When the vehicle is stopped for a long time, regular inspection should also be carried out.

When the new car is running 300KM, it should be inspected and maintained.

Take full care of safety during inspection **dirt bike**

1. Park your car in a wide, flat area.
2. When inspection is required, it should be carried out in a safe place and pay attention to the surrounding environment and conditions.
3. If any abnormality is found through inspection, please drive after removing the abnormality. If it is difficult for you to solve, you can entrust the maintenance station to check.

! Pay Attention To

of
The front and rear brakes are disc brakes. **When the brake friction plates wear badly, the friction material thickness is 2.3 mm. It is recommended to replace when the wear amount exceeds 1.2 mm or when the use of 1000Km mileage, whichever comes first) the friction plate should be replaced.** **them**

have

In daily use, please keep the disc brake system clean, avoid attaching sediment for a long time, especially avoid oil pollution.

Replacing Brake Disc Rotors

If the brake disc rotors become worn, replace before riding.

Inspection Of Operation Site.

1. Ensure the front shock absorber is not bent, damaged, or deformed.

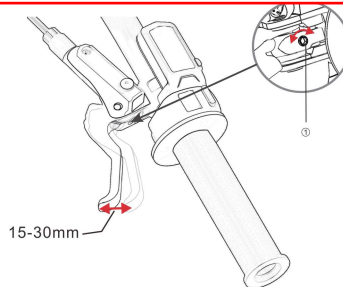
Shake the handlebars up and down to ensure there is no abnormal sound or resistance.

2. **Check the rear shock absorber**

Check the rear shock absorber to see if there is any damage, looseness, oil leakage, etc.; shake the shock absorber spring to check whether the spring is loose, or the bearing and bushing in the cradle are stuck; ~~check abnormal wear and damage, lubrication, acquire service at the service shop.~~

3. **Brake inspection**

Check the clearance of the brake handle and ensure it is within the specified range of 15-30mm. Adjust as needed.



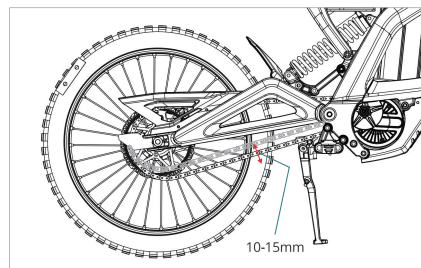
Attachment: Diagram of adjusting brake clearance:

4. **Checking the brakes**

Run the dirt bike slowly on a dry, flat surface and ensure both the front and rear brakes are functioning as expected.

Inspection of tires, etc

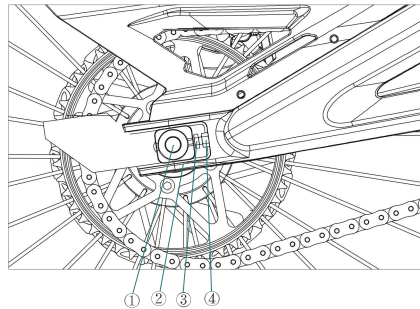
1. **Check the air pressure using a tire gauge, adjust as needed**
2. Check for cracks, damages, foreign matters and abnormal wear and tear.
3. Check whether the spokes of the wheel ring are loose.
4. Check the tension of the chain. The distance between chain top and bottom is 10-15mm. ~~(note. manufacturer has been adjusted the tensioning of leather when they leave the factory. Please do not adjust them privately.)~~



Method Of Adjusting Chain Looseness:

Note: When adjusting the chain tension, adjust both the left and ride side of the axle.

1. Place the dirt bike on a stand that allows the rear wheel to spin freely without contacting the ground.
2. Use an 18mm ratchet and 8mm Allen wrench to loosen bolt #1 in the diagram below. Us a 10mm end wrench to loosen bolt #4.
3. Us a 10mm end wrench to loosen bolt #3.
4. Adjust the chain to the appropriate tension, check the scale at #2 in the diagram below to ensure that both the left and right side of the axle are adjusted to the same point.
5. Tighten bolt #4 first, then bolt #1



Attachment: Diagram of adjusting chain

If the dirt bike is not ridden for an extended period of time, the tires can be damaged. Use caution when riding as rocks, glass, nails, and other foreign objects on the ground can damage the tires. Regularly check for an abnormal wear and tear or damage to the tires.

5. Check the depth of the tread

Check the tread for wear and note the depth of the tread. Replace the tire when 2/3 of the tread has worn off. The original height of the tread is 7mm. If you experience abnormal sound or flex of the tire when riding, stop and inspect the tire.

The front axle should be tightened to 30Nm and the rear should be tightened to 40Nm.

⚠ Pay Attention To

Hold the brake handles tightly. If the brakes are not functioning effectively, check and clean the brake disc. If the problem persists, take your dirt bike to a repair center for service.

Battery inspection

The dirt bike uses a sealed lithium ion battery. It should be fully charged for inspection. Use a multimeter to measure positive and negative voltage. Full voltage should register between 66.5 and 67.2. If results are outside this range, please contact customer service.

⚠ Pay Attention To

Turn off the key before stepping off the dirt bike or loading the battery.

If the battery cannot be pushed in smoothly, remove the battery and ensure there are no obstructions in the battery compartment.

If the display, horn, or lights are not functioning after powering on the dirt bike, it is possible that a fuse has blown. Use the key to unlock and lift the seat, remove the battery. Open the fuse box.

2. Remove the blown fuse, take a spare fuse from the fuse box cover and install it where you removed the blown fuse. Close the fuse box. Replace the battery and connector, close and lock the seat.

! Pay Attention To

Ensure the fuse is inserted firmly. A loose fuse can overheat or cause damage.

Ensure the new fuse is the same voltage as the fuse you are replacing.

If the same fuse is frequently blowing, a fault in the electrical may be the cause.

Do not allow water into the fuse box.



Main Technical Parameters

No.	Type	Parameter
01	Overall Dimension	1845X780X1040mm
02	Wheel Base	1295mm
03	Overall Weight	158 lbs
04	Rated Load	220 lbs
05	Minimum Ground Clearance	270mm
06	Height of Seat	815mm
07	Top Rake	26 degrees
08	Maximum Gradeability	70%
09	Maximum Speed	80Km/h
10	Power System	High Speed Mid-set Brushless DC Motor
11	Motor Rated Power	3500W
12	Maximum Output Power	5700W
13	Maximum Torque of Driving Wheel	210N.m
14	Battery Type	High-rate Ternary lithium battery 60V40AH
15	Range Per Charge	43 - 63 Miles

16	Charging Time	6-8h (Depend on charger)
17	Overcurrent Protection	AC110/220V-50/60Hz
18	Power Mode	Economic/Sport Mode
19	Body Structure	Dual beam cradle type - Aluminum forged frame
20	Rim Type	Rim- Aluminum 19*1.4 /19*1.6
21	Tire Type	Off road tire-70/100-19, 80/100-19
22	Front Suspension System	Shoulder inverted front fork -200mm stroke-adjustable damping
23	Rear Suspension System	Multi-link hydraulic spring central air chamber - 80mm stroke- adjustable damping
24	Front Brake Type	Manual- Four hydraulic piston-203mm disc
25	Rear Brake Type	Manual- Four hydraulic piston-203mm disc
26	Second Gearing System	420 Chains 122 sections
27	Light System	Full LED light
28	Dashboard	LCD
29	Phone Charging Port	USB-5V 1A



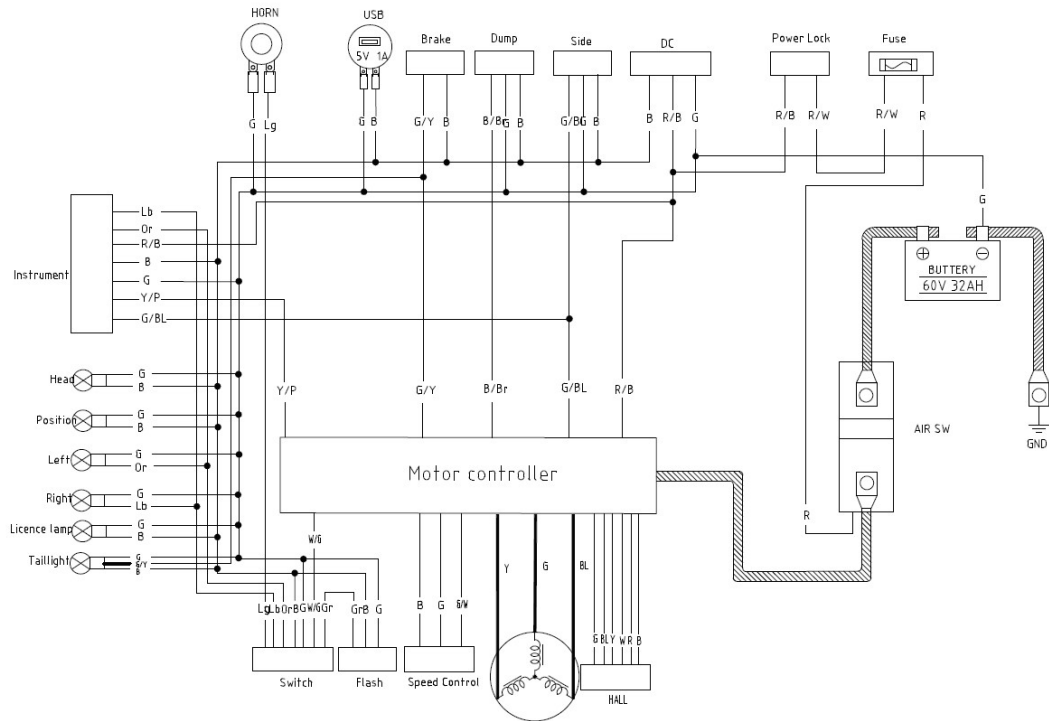
Common Fault Symptoms And Troubleshooting

No.	Failure	Cause	Troubleshooting
1	Motor isn't functioning after powering on the dirt bike	Battery connection loose	Check the connection of cable
		Speed control cable connection loose	Check the connection of cable
		Motor cable loose	Check the connection of cable
		Brake handle is stuck in the closed position	Check the brake handle and brake switch
2	Speed control failure or low maximum speed	Low battery voltage	Check the battery voltage to see whether it is lower than 50V
		Failure of central speed control	Contact the service shop for changing central speed control
3	Short Endurance Mileage Per Charge	Low tire pressure	Inflate to appropriate pressure: 225KPa
		Insufficient charge or charger failure	Keep battery fully charged or check the connection of charger's plug
		Inappropriate adjustment of brake	Adjust the clearance between disc and brake pad through adjusting and correction of the position of main pump and lower pump

3	Reduced range per charge	Battery aging or damage	Change Battery
		Driving Uphill, upwind, frequent acceleration and deceleration, heavy load	It is normal under such circumstances
4	Charger Not Charging	Plug of battery set is loose	Open the cover of battery case and fasten the plug
		Charger does not work	Replace a new dedicated charger
5	Abnormal Noise while Driving	Chain is too loose or too tight	Adjust the tension of the chain
6	Other Failures	When you encounter a fault that cannot be eliminated by yourself under the above guidance or a fault that cannot be determined.	In case of any case above, Please consult your local GOTRAX distributor, do not open the above parts without authorization, otherwise you will lose the company's warranty.



Electrical Schematic Diagram Of The Vehicle



1 YEAR LIMITED WARRANTY POLICY FOR ELECTRIC BIKES

Policy changed from 8 months to 1 year on 8/16/2022

Limited Warranty Period: This Limited Warranty covers all defects in material and workmanship of the Product against its occurrence as a result of their normal and ordinary use of the Product. In the event a defect covered by this Limited Warranty occurs, GIBTRAX will repair or replace your Product in accordance with the terms of this Limited Warranty. The applicable period for this Limited Warranty begins from the later of either: (i) the original purchase date of the Product from an authorized GIBTRAX Distributor or Dealer.

Warranty Item ----- **Years**

- Frame
- Rear Wheel, Hub Motor Assembly
- Front Fork and Brake Assembly
- Rear Fork Assembly
- Headlight
- Batterybox / Control
- Stem
- Speed Control
- Control Panel/Display (LCD/LED/LCD with color screen)
- Battery Cover (Metal)

Other Components-----**600 miles**

- Battery Charger
- Battery Pack
- Electronic Throttle
- Electronic Brake

Components Subject to Wear-----**300 miles**

- Headlight Lens
- Headlight Base 2
- Rear Wheel
- Headset
- Front Fender
- Rear Fender
- Brake Light
- Brake Master
- Front Fork Cover
- Folding Frame Cover
- Reflective Straps
- Battery Cover (Plastic)
- Kickstand
- Electronic Cover
- Control Panel Cover

Replacement and Repair: (i) the remainder of the original Limited Warranty for the Product, or (ii) 300 miles or 1 year (whichever is the more, shall apply) from the date of receipt of the replacement or repaired Product.

Principle Of The Warranty

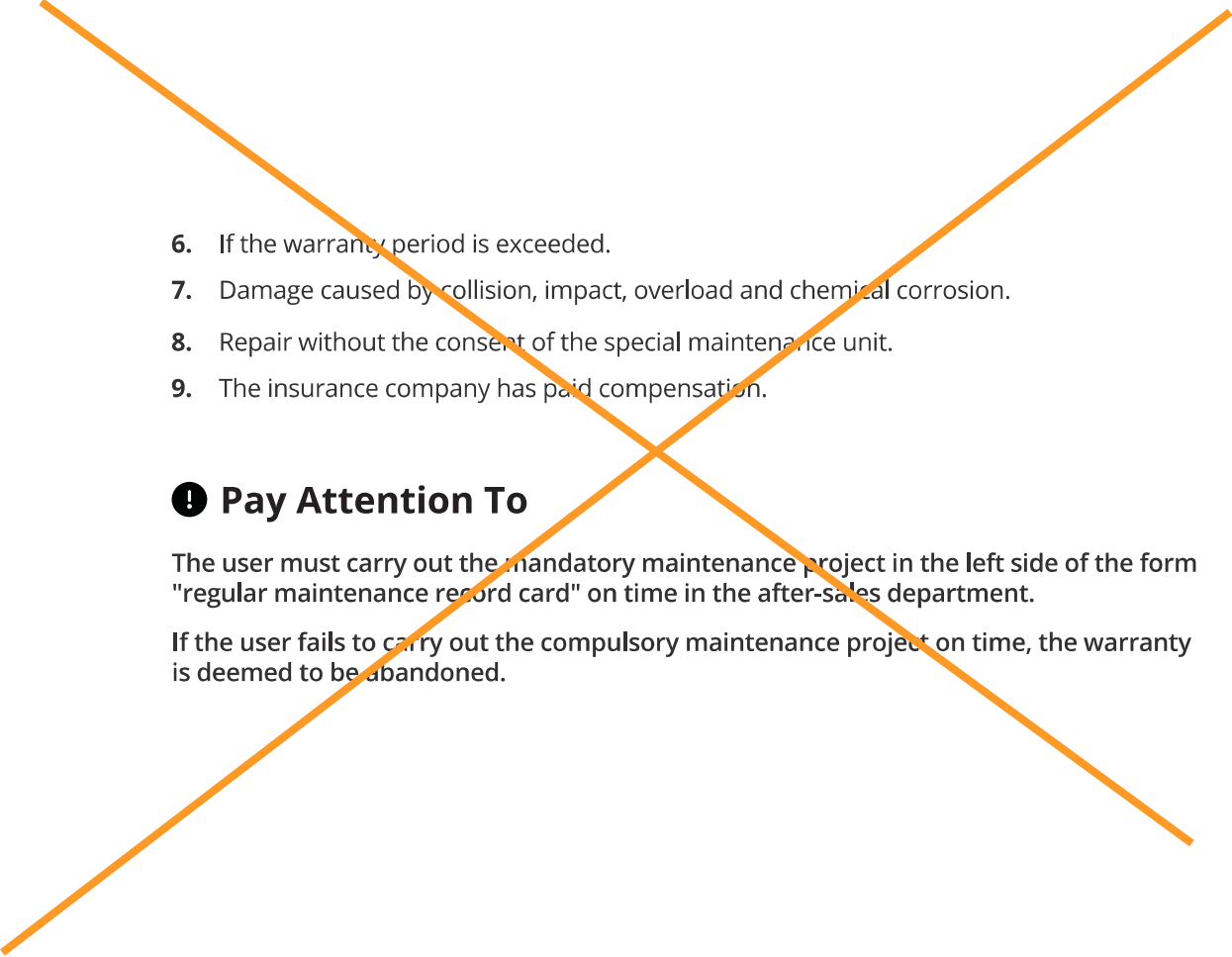
The company shall charge for the repair and replacement of parts which beyond the scope of the "three guarantees" and after the "three guarantees" period according to the specific circumstances

Notice To Users

1. Use the warranty card on the manual to the sales office or our company's special service point for warranty service.
2. The factory promises that if the motor, controller, charger, lithium battery and other major components fail after the period of three packages, the maintenance fee will only be appropriate.

It Does Not Belong To The Scope And Content Of "Three Guarantees"

1. Failure caused by the user's failure to use, maintain and adjust in accordance with the "instructions for use".
2. The user disassembles and refits by himself, as well as the failure caused by non-compliance with the use rules.
3. Failure caused by improper storage of users or accidents.
4. No warranty card, invoice or ticket, card or goods are inconsistent.
5. Consumables of vulnerable parts (brake cable, bearing, etc.) is not within the scope of "three packages".

- 
6. If the warranty period is exceeded.
 7. Damage caused by collision, impact, overload and chemical corrosion.
 8. Repair without the consent of the special maintenance unit.
 9. The insurance company has paid compensation.

! Pay Attention To

The user must carry out the mandatory maintenance project in the left side of the form "regular maintenance record card" on time in the after-sales department.

If the user fails to carry out the compulsory maintenance project on time, the warranty is deemed to be abandoned.



WWW.GOTRAX.COM

#RideGOTRAX





(US) GOLABS, INC

GOTRAX.com
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Carrollton, TX 75006

(CA) Tao Motor Canada Inc.

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Ontario M9M 2W6,
Canada.