READ THIS MANUAL CAREFULLY
BEFORE YOU USE THIS VEHICLE!
It contains important safety information.

OWNER'S MANUAL

PLEASE CHECK YOUR LOCAL RIDING LAWS AND
REGULATIONS BEFORE OPERATEING THIS VEHICLE

Model:E-Bully

FOREWORD

Dear user:

Thanks so much for purchasing this electric ATV produced by our company. In order to help you to have a better understanding to its basic structure and functions, master its operation and maintenance, keep its optimal state for a long time, and drive safely, please read this Manual carefully and take notice of the following matters:

IMPORTANT SAFETY MESSAGE:

- PAY ATTENTION TO THE CAUTION AND WARNING LABELS ON THIS ATV.
- READ THIS MANUAL BEFORE OPERATING THIS ATV. MAKE SURE YOU UNDERSTAND ALL NSTRUCTIONS. ALSO KEEP ALL INFORMATIONS IN MIND WHILE OPERATING THIS ATV.
- ANYONE UNDER AGE 10 SHOULD NEVER BE ALLOWED TO OPERATE THIS ATV.
- KEEP THIS MANUAL IN THE WATERPROOF PLASTIC BAG AND STORED IN THE COMPARTMENT PROVIDED.
- FAILURE TO FOLLOW THE WARNINGS CONTAINED IN THIS MANUAL CAN RESULT IN SERIOUS INJURY OR DEATH.
- NEVER CARRY A PASSENGER ON THIS ATV.

Special declaration:

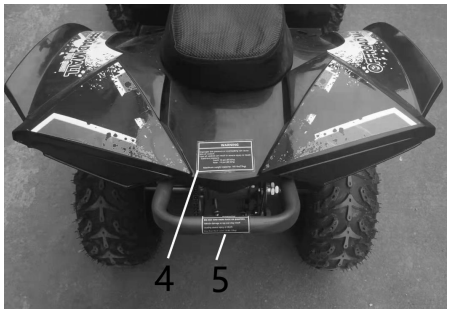
All pictures and data of the Owner's manual are consistent with the latest products when it is published. Because of constant improvement or change of products, relevant content of the Manual may be different from actual conditions, so the actual sales sample shall prevail. Our Company reserves the right to revise the Manual and products' configuration at any time without notice.

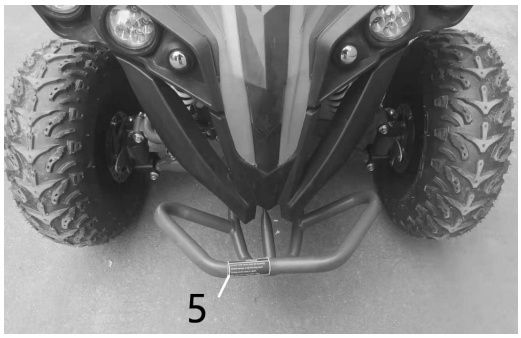
Whenever you see the symbols shown below, heed their instructions. Always follow safe operating and maintenance practices.

WARNING
HAZARD Failure to heed WARNINGS. **WHAT CAN HAPPEN** WARNINGS identify special instructions or procedures which, if not correctly followed, could result in serious injury or death. **HOW TO AVOID THE HAZARD** Read all WARNINGS in this manual carefully and for your safety be sure to follow this instruction.

LOCATION

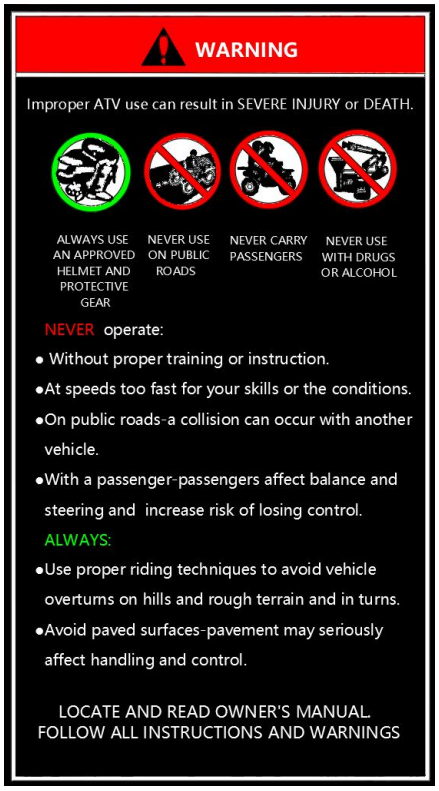
Read and understand all of the labels on your ATV. The contain important information for safe and proper operation of your ATV. Never remove any labels from your ATV. If a label becomes difficult to read or comes off, a replacement label is available from your dealer.



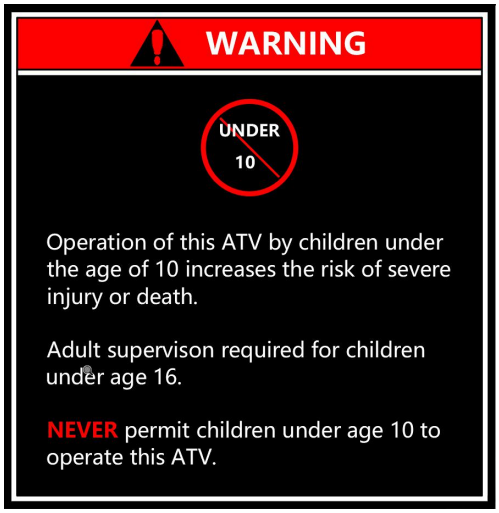


1. Warning labels to remind

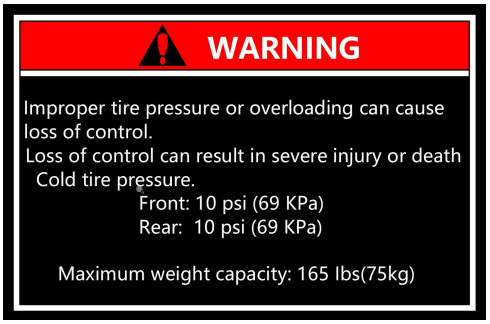
2. Warning labels to remind



3. Age warning labels passengers



4. Overloading and tire pressure combinations warning labels



5. Max load:10kg

Content

Chapter 1 Main Parts of the Electric Vehicle

1. Front wheel
2. Power switch
3. Rear wheel
4. Driving motor
5. Charging mouth
6. Rear Reflex Reflectors
7. Tail bumper
8. Cushion
9. Forward and backward switch
10. Front bumper
11. Front brake
12. Parking braking
13. Accelerator
14. Handle bar
15. Combination
16. Rear brake

(Product may differ from photo.)

Chapter 2 Safety Precautions

AN ATV CAN BE HAZARDOUS TO OPERATE. An ATV handles differently from other vehicles including motorcycles and cars. A collision or rollover can occur quickly, even during routine maneuvers such as turning and driving on hills or over obstacles, if you fail to take proper precautions.

SEVERE INJURY OR DEATH can result if you do not follow these instructions:

- Read this manual and all labels carefully and follow the operating procedures described.
- Never operate an ATV without proper instruction. Take a training course. Beginners should receive training from a certified instructor.
- Never allow a child under age 10 to operate ATV without adult supervision, and never allow continued use of an ATV by a child if he or she does not have the abilities to operate it safely.
- Never carry a passenger on an ATV. Never consume alcohol or drugs before or while operating this ATV.
- Never operate an ATV without wearing an approved motorcycle helmet that fits properly. You should also wear eye protection (face shield or goggles), gloves, bots, long-sleeved shirt or jacket,
  and long pants.
- Always go slowly and be extra careful when operating on unfamiliar terrain. Always be alert to changing terrain conditions when operating the ATV.
- Always follow proper procedures for turning as described in this manual. Practice turning at low speeds before attempting to turn at faster speeds. Do not turn at excessive speed.
- Never operate on excessively rough, slippery or loose terrain until you have learned and practiced the skill necessary to control the ATV on such terrain. Always be especially cautious on these kinds of terrain.
- Always keep both hands on the handlebars and both feet on the footrests of the ATV during operation.
- Always inspect your ATV each time you use it to make sure it is in safe operating condition.
- Always follow the inspection and maintenance procedures and schedules described in this manual.
- Never attempt wheelies, jumps, of other stunts.
- Never operate at speeds too fast for your skills or the conditions. Always go at a speed that is proper for the terrain, visibility and operating conditions, and your experience.
- Never exceed the stated load capacity for an ATV. Cargo should be properly distributed and securely attached. Reduce speed and follow instructions in this manual for carrying cargo or pulling a trailer. Allow greater distance for braking.
- Never modify an ATV through improper installation or use of accessories.
- Never operate the ATV on hills too steep for the ATV or for your abilities. Practice on smaller hills before attempting larger hills.

- Always follow proper procedures for climbing hills as described in this manual. Check the terrain carefully before you start up any hill. Never climb hills with excessively slippery or loose surfaces. Shift your weight forward. Never open the throttle suddenly or make sudden gear changes. Never go over the top of a hill at high speed.
- Always use the size and type tires specified in this manual. Always maintain propertire pressure as described in this manual.
- Never attempt to operate over large obstacles, such as large rocks or fallen trees. Always follow proper procedures when operating over obstacles as described in this manual.
- Always use proper procedures if you stall or roll backwards when climbing a hill. To avoid stalling, use proper gear and maintain a steady speed when climbing a hill. If you stall or roll backwards, follow the special procedure for braking described in this manual. Dismount on the uphill side or to a side of pointed straight uphill. Turn the ATV around and remount, follow the procedure described in this manual.
- Always be careful when skidding or sliding. Learn to safety control skidding or sliding by practicing at low speeds and on level, smooth terrain. On extremely slippery surface, such as ice, go slowly and be very cautious in order to reduce the chance of skidding or sliding out of control.
- Never operate an ATV in fast flowing water or in water deeper than the recommended in this manual. Remember that wet brakes may have reduced stopping ability. Test your brakes after leaving water. If necessary, apply them several times to let friction dry out the linings.
- Always follow proper procedures for going down hills and for braking on hills as described in this manual. Check the terrain carefully before you start down any hill. Shift your weight backward. Never go down a hill at high speed. Avoid going down a hill at an angle that will cause the ATV to lean sharply to one side. Go straight down the hill where possible.
- Always follow proper procedures for crossing the side of a hill as described in this manual. Avoid hills with excessively slippery or loose surface. Shift your weight to the uphill side of the ATV. Never attempt to turn the ATV around on any hill until you have mastered the turning technique described in this manual on level ground. Avoid crossing the side of a steep hill if possible.
- Always check for obstacles before operating in a new area.

SAFETY RIDING RECOMMENDATIONS

1. FAMILIARIZE YOURSELF WITH THE ATV

Your riding skill and your mechanical knowledge form the safe riding practices. We suggest that you practice riding your ATV in a non-traffic situation without obstacles until you are thoroughly familiar with your machine and its controls. Remember that practice makes perfect.

2. KNOW YOUR SAFETY SPEED LIMITS

Ride within the boundaries of your own skill at all times. Knowing these limits and staying within them will help avoid accidents.

3. BE EXTRA SAFETY CONSCIOUS ON BAD WEATHER DAYS

Riding on bad weather days, requires extra caution. Braking distance doubles on a rainy day. Stay off
the painted surface marks, pot holes and greasy appearing areas as they can be especially slippery.
Use extreme caution at railway crossings and on metal gratings. Whenever in doubt about road conditions, SLOW DOWN!

Chapter 3 Standard Use of Main Parts

Article 1 Charger

1. Using method of charger

Insert the output plug of the charger's connecting line into the charging socket of the vehicle, and insert the input plug of the charger's connecting line into the power socket. It's better to park the vehicle at a well-ventilated place while charging.

2. Important notice

2.1 The exposed contact of battery is live. Never touch it with both hands; otherwise, it will lead to short circuit and electric shock. Conductor is prohibited from contacting both ends of the contact; or strong current short will generate voltaic arc and may result in safety accident.

2.2 Switch to charging under adult supervision

2.3 Liquid or metal scrap shall be prevented from entering the charger while using or storing it so as to avoid damaging it due to short circuit.

2.4 Please use the charger supplied by the Company only. When the vehicle is stopped, if the battery indicator on the instrument shows that electric quantity is insufficient, please charge it; and it must be charged under the action of under-voltage protection.

2.5 If the charger or battery fails, the charger indicator may not change its color for a long time (generally, over 12h) and keeps red, and battery generates high heat, please stop charging immediately and send it to the designated service center for inspection.

① Charging socket

Article 2 Battery

1. Introduction to battery

Our Company chooses high quality "lead-acid battery" to store energy for the electric

vehicle. The battery is featured in high capacity, high energy, long service life, low self-discharge rate, safety and reliability. “Capacity” of the battery may be reduced over time. The speed of “reduction” and “declination” is different. If quality battery is selected and used properly, the vehicle is in good condition, and particularly, high efficient motor is used, capacity of the battery will decline slowly, and its service life will be extended.

2. Precautions for standard use of battery

2.1 Always keep battery to be full charged. Regardless of consumption, lead-acid battery shall be charged immediately after being used so as to extend its service life. If the battery is not used for a long period, please store it in full charging state and charge it once every month. “Lack of electricity” storage is strictly prohibited.

2.2 While charging, check if surface temperature of the battery is too high, and if the charger indicator turns “**red**”. If the indicator doesn’t turn “red” or the surface temperature is too high, please cut off power immediately, and send charger and battery to service center for inspection. The charger shows green when fully charged.

2.3 In order to extend service life of the battery, please send it to local service center for maintenance regularly.

Important notice:

- **Use the designated charger of the Company to charge battery of the vehicle.**
- **Never install battery of other brand to this vehicle; otherwise the controller may be burnt out due to different polarity.**
- **At low temperature, capacity of the battery will decline 20%~30%, and the relevant mileages of continuation will decrease.**
- **The battery shall not contact flame, heat source or alkali substance, and avoid direct sunlight; otherwise, its service life will be shortened.**
- **In summer, temperature of the battery is very high, so don’t charge it immediately after driving. Under 0℃ in winter, its temperature is very low, so charger it indoors.**
- **When capacity of the battery declines obviously, send it to local service center for inspection so as to check if such declination is normal. When necessary, its working state may be improved through maintenance.**
- **While using or charging, the battery may produce explosive gas, so don’t be close to open fire, and avoid short circuit of cathode and anode or loosening of cathode and anode terminals, so as to prevent the battery from explosion.**

Article 3 Electric motor

1. Introduction to electric motor

Our electric vehicles are equipped with brush motor which featured in high output torque and high efficiency of working range.

The electric motor may make some noise when starting to operate. It’s normal.

2. Maintenance of electric motor

Generally, maintenance is not required to internal parts of the electric vehicle

during its use. However, it's necessary to check the fasteners on rear swing arm of the electric motor, and if the nuts are loose, they shall be tightened in time or checked by professional technicians.

3. Important notice

3.1 On rainy day, the gathered water on road may be higher than center of the electric motor, and the motor may be immersed and damaged. Please be careful.

3.2 The electric motor shall not be impacted severely. The electric vehicle shall not be started by force if it is blocked. When it is blocked and can't be started, don't start it repeatedly, and start it again after eliminating its fault.

Article 4 Control System

1. Control system

The control system is composed by controller, display instrument, speed-regulating handle, and power-off & parking lever. It acts the part of stepless speed regulation, brake & power-off protection, under-voltage protection, over current protection, and blockage protection etc.

2. Precautions for using the controller

2.1 The controller is mounted on frame of the vehicle. High current will pass through its inside and generate much heat. After working for a long time, its surface temperature will be very high, so don't touch it with hands. **Don't park the vehicle under direct sunlight or expose to rain for a long time so as to avoid failure of the controller.**

3. Introduction to performance of the controller

3.1 Procedure motor

The procedure motor is also called brush motor. It reverses the current within motor winding by electronic reversing system .

3.2 Procedure controller

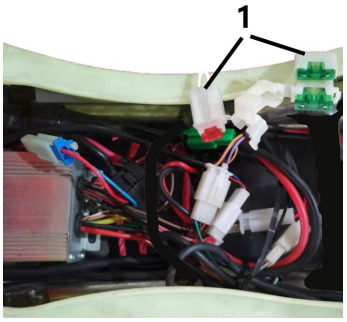
The procedure controller generates the reversing current necessary for procedure motor via electronic hardware and/or software so as to ensure normal operation of the procedure motor.

4. Fuse

The fuse is under the seat cushion.

4.1 The electric door lock must be turned off before replacing the fuse. Be sure to check if the rated current of new fuse is correct.

4.2 Fuse must be used. Never use unqualified fuse, other copper or steel wires, so as to prevent the electrical appliances from burning.



① **Fuse**

Chapter 4 Operation Points

1. Main operation parts

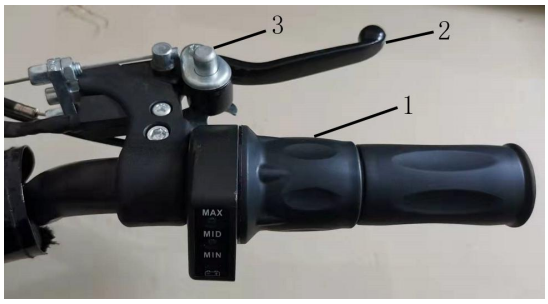
1.1 Main switch

① Main switch

- **Main switch, namely the electric door lock. It is mounted on the main loop (see Electric Schematic Diagram) between battery and controller. It is at "ON" position when it is turned on.**
- **Turn off the electric door lock in time ("OFF" position) when the vehicle is under abnormal condition.**

1.2 Accelerator

- It is mounted on the front handlebar and controlled by the right hand. Turn inward for acceleration, release automatic reset and deceleration.



① Accelerator ② Front brake ③ parking braking ④ Rear brake

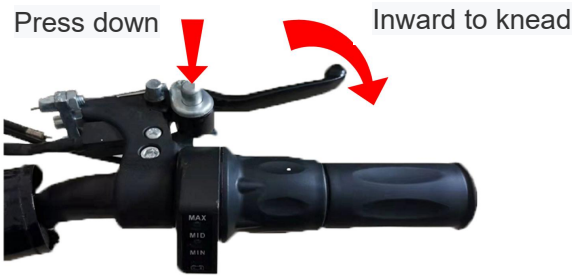
1.3 Brake and brake power - off device

- Electric ATV with brakes,left or right hand operation. Braking power off device operation, cut off the motor; Braking the wheels slows the vehicle; Release the handbrake to stop the braking action.
- Do not pull hard on the brake handle except in an emergency

Important notes: When driving, do not frequently use the brake handle for braking; Doing so may result in incorrect braking or permanent brake damage.

1.3.1 Parking lever and parking & power-off device

- The parking device is installed at the front brake handle. When parking, hold the right brake handle, press the parking mechanical button down, release the hand after it is stuck, and the vehicle will be in the braking state; Hold the handle again and release it, the parking button will automatically rebound and the parking is relieved.
- Before driving, remove the parking mechanical button to stop the brake.



① Parking braking

1.4 Steering system

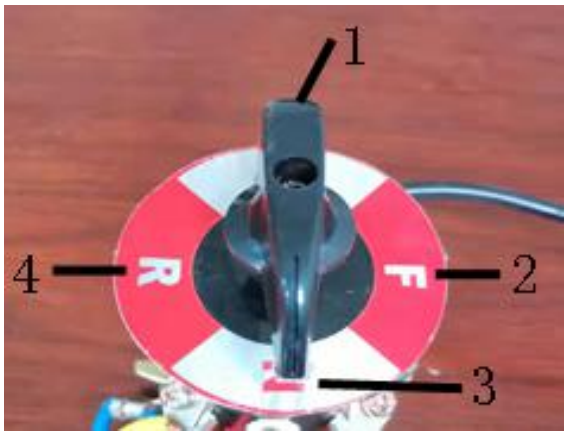
- Check regularly if lateral connecting rod, traversing mechanism, and ball head of lateral connecting rod are tight and reliable.
- Standard value of toe-in is 0~3mm. It can be changed through adjusting length of left and right tie rod. Before adjusting, unscrew locknuts of the tie rod, rotate it clockwise or anticlockwise, and then tighten the locknuts when proper. Be careful that length of the left and right tie rod should not exceed 3mm.
- Adjust free stroke of the steering wheel: left and right rotating degree of the free stroke shall not exceed 15°.

1.5 Electric quantity display

- Generally, display panel of the electric vehicle will display electric quantity of the battery by LED light. When the battery voltage is less than 36V,the green LED light will turn off.When the battery voltage is less than 31.5V,the yellow LED light will turn off. It indicates that the battery will be exhausted and must be charged immediately. When the battery is exhausted basically, the controller will run automatically to cut off the driving current, and then the motor can't continue to work. At the moment, LED may show that the battery hasn't been exhausted. However, it is just virtual display. After treading the accelerator pedal, the electric vehicle will run, and the controller will stop its operation soon. Please don't repeat the procedure so as to avoid damaging the battery.

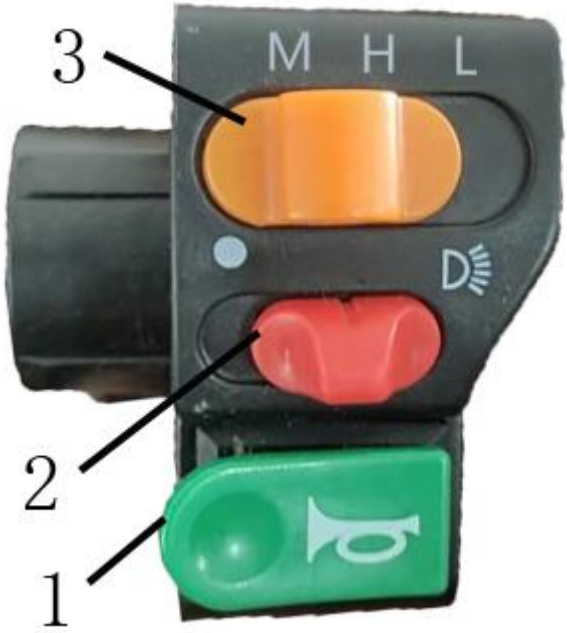
1.6 Forward/reverse switch

The reverse switch is located on the plastic part of the car hood to control the connection and disconnection of the reversing device. Screw to the "F" position into the forward state, screw to the "R" position into the reverse state, screw to the "N" position for neutral; When the vehicle comes to a complete stop, select 'N' gear.



①Switch gear ② Forward gear identification ③ Neutral logo ④ Reverse gear

1.7 Three functional switches



1 horn switch 2 Lighting switch 3 Shift switch

1.7.1 Horn switch

The horn switch is on the left handle. The horn will blare when you press it.

1.7.2 Lighting switch

The switch is on the left handle.When this switch is turned on or off, headlight, will light up or out.

1.7.3 Shift switch

The switch is on the left steering handle. There are three gears in total, M, H and L. When the switch is in "H", the vehicle speed is the fastest.When the switch is in "M", the speed is slowest.When the switch is in "L", the speed is slowest.

1.8 Shift switch

This switch is on the left handle. After turn the switch left and right , the vehicle will speed up or slow down. At high speed gear, the vehicle has a strong ability to climb and load. This gear is recommended to be used when climbing long and high slope. At low speed L, speed of the vehicle is slow.At middle speed M, speed of the vehicle is middle.At high speed H, speed of the vehicle is high.

1.9 Tire

Check pressure of front and rear tires frequently. Abnormal pressure may lead to abnormal wear and crack and result in danger while driving. Check pressure when tires are at cold state.

When the height of tread pattern of front and rear tires is less than 1.6mm, or the indication of wear limit appears, please replace front and rear tires. Due to excessive wear of tread pattern, stability of the vehicle will decrease, and its direction may be out of control and then cause accident.

In case of crack, severe scratch, or abnormal wear, please replace tires.

Check if nail or fine stone is inserted into ground plane or sides of tires, or if tread pattern is blocked by object, and remove it in time if any.

2. Start and drive

2.1 Sit on the driver’s seat.

2.2 Drive forward or backward according to requirements, push “forward or reverse switch” to relevant position. Don’t use forward or backward switch while driving.

2.3 Insert the key to the electric door lock, and turn it to “ON” position.

2.4 Release the stop lever and slowly turn the accelerator to start the vehicle slowly.

◆ Brake

The general braking method is to brake slowly, so that the vehicle gradually slowed down until a complete stop. Try to avoid emergency braking. After the vehicle stops, press the parking mechanism. In order to prevent the vehicle from sliding automatically, the key can be pulled out and the driver can leave only when the vehicle is reliably parked. Choose a flat area to park.

3. Precautions of safety driving

3.1 Don’t use the electric vehicle before reading the Manual carefully and knowing its performance. Don’t lend it to people who can’t operate.

3.2 Strictly conform to local laws and regulations. Don’t drive on expressway, any public street, driveway, or pavement.

3.3 It can only carry one driver and is not allowed to carry passengers

3.4 Don’t hang any article in the vehicle; otherwise, it may lead to injury, out of

control, or accident.

3.5 Be careful to keep good performance of brakes, and brake in advance when driving in rainy or snowy day, so as to avoid traffic accident.

3.6 Pay attention to lighting state and drive carefully when driving at night. Slow down when driving on uneven road, so as to avoid damaging wheel rims and tires due to strong vibration.

3.7 In order to prevent electrical appliances from moisture, don't use hydraulic giant to wash the vehicle directly.

3.8 Don't drive above the speed limit. While driving, the vehicle shall be controlled at the speed suitable for conditions of road, good field of vision, and your driving experience and operation conditions. Don't brake or accelerate suddenly so as to avoid danger.

3.9 Don't dismantle the vehicle without permission; otherwise, it will lead to potential safety hazard of your vehicle.

3.10 Before driving, ensure wheels and other fasteners are safe and reliable, so as to avoid accident.

3.11 Don't drive on uneven road, sludge, cobblestone or steps in order to avoid damaging your vehicle due to tire burst and deformation of wheel rims or resulting in danger.

3.12 When driving, place your hand on the steering handlebar to control the driving direction.

3.13 Don't drive after drinking or when you're influenced by narcotic drug, because it will affect your discretion and may result in serious injury and even fatal accident.

3.14 Use the tires whose dimension and type are stipulated in the Manual, and blew them up to the specified air pressure. Proper air pressure can ensure the reliability of brake and turning.

3.15 Don't turn forward/reverse switch to "reverse" position while driving (forward). The vehicle is equipped with protective device. Hence once it's operated wrongly, the vehicle will stop slowly and then reverse.

3.16 If the voltage of battery is too low, the system will reduce the driving speed and finally power off automatically for protection. Then, after putting the electric door lock back to its original position and turning it on again, the system will be power on; however, at the moment, you shall stop driving and charge the battery.

3.17 If the driving resistance is too high (climb), the system current will be too high. The system will automatically power off when the internal temperature of the controller exceeds 100 ° C. At this point, the vehicle stops working, when the internal temperature of the controller is below 100℃, the system will continue to run.

3.18 Do not drive at high speed when downhill; Slow down when turning; To avoid accidents, do not turn at high speed.

3.19 The electric door lock must be turned off before replacing the fuse. Be sure to check if the rated current of new fuse is correct.

3.20 Fuse must be used. Never use unqualified fuse, other copper or steel wires, so as to prevent the electrical appliances from burning.

4. Precautions of daily maintenance

4.1 Maintenance of battery

- **Protective articles, such as insulated gloves, insulated shoes and insulated tools etc. shall be used during maintenance and repair.**
- **Wet cloth shall be used when cleaning the battery.**
- **Don't use organic solvents or detergent, such as lacquer thinner, gasoline and benzine etc. to clean synthetic resin battery case; otherwise, the battery case will break and result in leakage of electrolyte.**
- **Voltage and appearance shall be checked periodically. Bolts and screws shall be tightened regularly. If there is no periodical check, the battery may be damaged and cause fire or explosion.**

4.2 The battery shall be checked periodically (at least once two months).

- Please check it periodically in order to prevent the battery from failure.
- **Please inspect periodically according to the time limit stipulated in the Manual. If it exceeds the standard stipulated in the Manual while inspecting, please handle it in accordance with the Manual and keep records. If the battery that exceeds the standard is still used, it may be damaged and burnt.**
- **The inspection shall be implemented by the person who has acquired Qualification Certificate of Battery Maintenance and Use or professional technicians. Unskillful person is liable to cause error.**
- **Remove static electricity of body through contacting metal or by other methods at the place far away from the battery, and then check the battery. If the static electricity of body contacts the battery, it will sparkle and even explode.**

Periodical Inspection Items

Item	Content	Standard	Handling
1) Total voltage of battery in floating charge	1) The voltmeter with grade 0.5 or higher precision is used to measure total voltage of the battery 2) Observe the voltage value displayed on the dial of voltmeter	1) Voltage of floating charge 2) Allowable tolerance of the measuring instrument for control cabinet shall conform to relevant national standards	1) Adjust the voltage of floating charge when it deviates from the standard value 2) Repair or replace the measuring instrument that exceeds the allowable tolerance
2) Appearance of battery	Observe if there is damage (i.e. cracks, deformation) and liquid leakage on the case and cover of battery	No damage (i.e. cracks, deformation) or liquid leakage	If there is damage or liquid leakage, find out causes and replace the damaged battery
	Observe if there is dust and dirt	No dirty phenomenon	Use wet cloth to clean the dirty battery
	Observe if the battery case, shelf, connecting plate, connecting wires and terminals are rusty	No rusty phenomenon	Implement cleaning, anti-rust, lubricating and other maintenance to the battery. Find out causes and replace the damaged battery if the battery is damaged or lacks
3) Temperature of battery	Measure the surface temperature of terminals or the case of battery	Lower than 45℃	When the surface temperature is higher than the standard value, find out causes and decrease the temperature (stop charging, improve ventilation etc.)
4) Connecting part	Both bolts and nuts are tight	No loose phenomena	Please tighten if loose

Note: while measuring, please use the periodically calibrated instruments within the scope of allowable tolerance.

4.3 Items to be checked frequently by users

Check ● Adjust ○ Replace ▲ Lubricate △

Inspection item	Daily	Monthly	Every half a year
① If accelerator and steering parts are loose and worn	●	●△	
② If tires have proper air pressure and are worn	●		
③ If wheel rims deflect and deform		●	●
④ If the frame is in good condition		●	●
⑤ If brakes are in good condition	●	●○	●○
⑥ Surface of battery, connecting wires and nuts shall be clean and tight	●		
⑦ If the electric quantity is enough	●		
⑧ If charger and connecting wires are worn	●		
⑨ If safety belts of seats are in good condition	●		
⑩ The bolts, nuts and other fasteners		●	●
⑪ If the shock absorber leaks			●
⑫ Front wheels alignment			●○

Shock absorber, motor shaft, front wheel spindle, steering pivot point and other parts shall be scrubbed and lubricated once every 0.5~1 year according to service conditions. The transmission parts in the electrical hub have already been coated with special lubricating oil, so users are not necessary to scrub and lubricate.

Please send the vehicle to the designated service center for the maintenance of motor hub, controller and combination instrument etc. Don't dismantle them without permission in order to avoid failure, damage and other accidents.

As consumable product, service life of the battery is limited. Generally, in order to ensure your safety, the battery shall be sent to professional service center for inspection and maintenance once 6 months.

4.4 Notice for users while driving:

Don't drive across the sharp object of road, such as glass, in order to avoid piercing tires.

4.5 Notice for users while parking:

The vehicle shall be parked at smooth and steady place. Don't park on the slope over

5% degrees, so as to prevent it from gliding automatically.

Don’t park at the place with humid air, high temperature and corrosive gas, so as to prevent the plating paint surface of metal parts and plastic of the electric vehicle from chemical corrosion.

Don’t expose the vehicle to direct sunlight or rain so as to prevent its control switch from failure or the components in controller from damage; otherwise, it will result in failure and accident.

4.6 In case of any failure to your vehicle while use, please send it to professional service center for repair and maintenance so as to protect your rights and interests. Repair and maintenance at other service centers are strictly prohibited.

4.7 Tightening torques of main fasteners

Item	Torque
Shock absorber bolt	20~23N·m
Steering yoke bolt	20~23N·m
Front wheel spindle nut	44~58N·m
Motor shaft nut	20~23N·m
Brake bolt	9~12N·m

Important notice: in order to ensure your safety, main fasteners and accessories shall be checked and adjusted periodically, such as inspection and adjustment of F/R shock absorber, F/R wheel, steering yoke, front wheel spindle, motor shaft, brake assembly and other fasteners and accessories.

Chapter 5 Emergency Handling

1. Brake failure handling

Brake failure may lead to potential safety hazard and accident especially on down slope. Hence, before driving, users shall check the performance of brakes. If there is any failure to brakes, adjust brakes immediately or ask professional technicians to adjust them to optimum state. Once any brake fails while driving, please drive at extremely slow speed. In case of emergency, prepare for braking in advance, and go to service center as soon as possible for adjustment and eliminating potential safety hazard.

Chapter 6 Common Trouble Shooting

Failure	Cause	Solution
"Power" indicator doesn't display after turning on the power switch	1) Poor contact of the battery's contact points 2) Fuse in the battery or whole vehicle is burnt out 3) Failure of main switch 4) Poor contact of the battery's connecting wire	1) Clean contact points 2) Replace fuse 3) Send it to service center for examination and repair
Turn on the power supply and turn the rotary motor to start	1) Poor contact of the motor's wires 2) Controller failure 3) Brake & power-off switch is working	1) Check the condition of motor's wires or send it to service center 2) Send it to service center
Electric motor is not power off after loosening accelerator pedal	1) Replace speed-adjusting bar 2) Leakage of circuit causes wrong electric potential of speed-adjusting handle	1) Send it to service center
Electric motor produces loud noise and driving speed is too slow when driving or starting	1) The Hall in the motor is broken	1) Send it to service center
Sometimes the electric ATV loses motive force when driving	1) Power-off parking lever has failure due to moisture 2) Motor failure	1) Repeatedly pull the parking lever to check if it's in good condition 2) Send it to service center
The lights don't work, the horn doesn't sound.	1) Fuse breaks 2) Plug-in of connecting wire is loose	1) Replace 2) Insert tightly 3) Repair or replace
Hard to steer	1) Air pressure of front tires is not enough 2) Seizure of right and left control arm heads 3) Failure of steering gear 4) Alignment of front wheels is inaccurate	1) Adjust air pressure 2) Replace 3) Adjust as per specification 4) Adjust as per specification
Tires are worn too fast or unevenly	1) Lack of air pressure 2) Diameters of four tires are inconsistent	1) Charge air as per specification 2) Adjust or replace

	3) Wheel bearings are worn or loose 4) Swing of tires 5) Improper replacement of tires causes unbalance 6) Alignment of four wheels is inaccurate	3) Replace 4) Replace 5) Adjust 6) Adjust as per specification
	1) Air pressures of tires are inconsistent 2) Swing of wheels 3) Great swing deviation of right and left tires 4) Motor nut is loose 5) Wheel bearing is worn or breaks 6) Right and left control arm heads are loose 7) Maladjustment of redirector 8) Fixing bolts of redirector are loose	1) Adjust air pressure 2) Repair or replace 3) Replace 4) Tighten 5) Replace 6) Replace 7) Adjust as per specification 8) Tighten up
Directional handle swing	1) Tires are worn unevenly 2) The wheel brake of one side is lag 3) Air pressures of tires are inconsistent 4) Steering tie rod is inconsistent 5) Alignment of from wheels is inaccurate	1) Replace 2) Repair or adjust 3) Adjust air pressure 4) Replace 5) Adjust as per specification
Directional handle vibration	1) Failure of shock absorber 2) Air pressures of four tires are inconsistent 3) Control arm head is worn out 4) Front wheel bearing is worn or damaged 5) Front wheels are loose 6) Steering handle is loose	1) Charge air as per specification 2) Adjust or replace 3) Replace 4) Replace 5) Tighten 6) Tighten
Brake handle travel is too wide	1) The clearance between brake disc and shoe plate is uncoordinated 2) Brake pull line is disconnected	1) Adjust as per specification 2） Replace

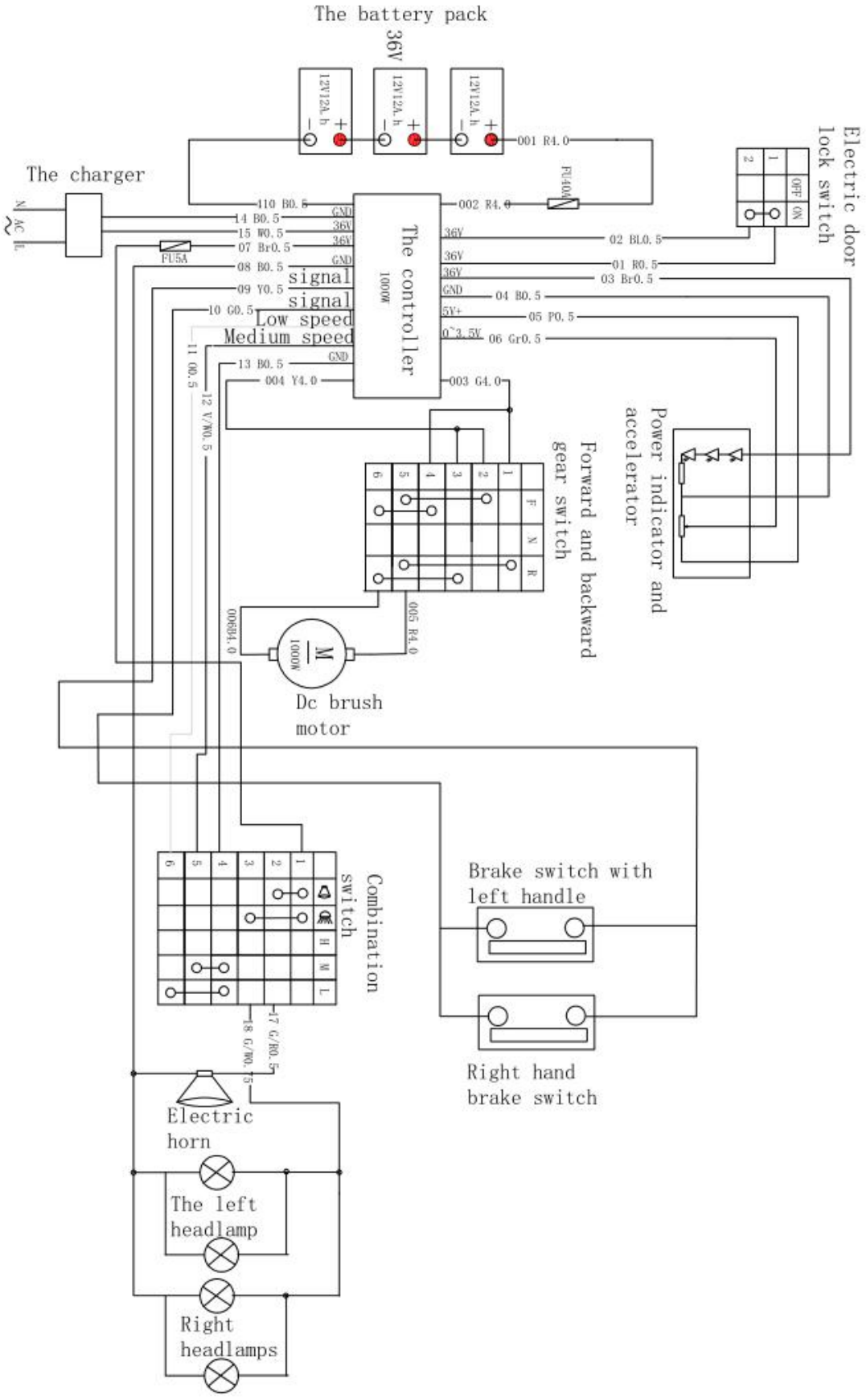
	3) Brake disc is worn badly 4) Brake strip is deformed or contacts improperly 5) Brake strip is worn	3) Replace 4) Replace 5) Replace
Brake lag	1) Brake handle is worn 2) Incorrect installation of brake 3) Pullback spring is soft or broken off 4) Brake wheel cylinder is damaged 5) Parking brake steel cord or pull rod lags 6) Brake clearance is regulated improperly	1) Replace 2) Reinstall 3) Replace 4) Replace 5) Repair or replace 6) Adjust as per specification
Vibrate while braking	1) Brake disc is damaged or out of round 2) Wheel bearing is damaged	1) Replace or repair 2) Replace
Noise while braking	1) Brake strip is too smooth or there is impurity on its surface 2) Brake strip is worn or loose 3) Front wheel bearing is damaged	1) Repair or replace 2) Replace 3) Replace
Run out while braking	1) Air pressures of right and left tires are inconsistent 2) Clearances of right and left brake are inconsistent 3) Hub bearing is loose	1) Adjust as per specification 2) Adjust as per specification 3) Tighten or replace

Chapter 7 Main Technical Parameters

S/N	Item of technical specification	Description of technical parameters
1	External dimension (L×W×H) mm	1190X705X765

2	Wheelbase mm		700
3	Tread (F/R) mm		585/450
4	Min. ground clearance mm		95
5	Min. turning diameter m		4
6	Kerb mass kg		53.5
7	Rated loading mass kg		75(1 persons)
8	Passenger capacity of cab person		1
9	Max. speed km/h		30
10	Max. grade ability %		12
11	Continued driving mileage km		20～25
12	Tire specification (F/R)		14X4.10-6/ 14X5.00-6
13	Air pressure of tires (F/R) psi		10 / 10
14	Motor	Type	Brush
		Rated voltage V	36
		Rated power W	1000
		Max. torque N·m	3.3
		Rated power/speed rpm	2800
		Cooling mode	Natural cooling
15	Battery	Type	Non-maintaining lead-acid seal battery (each 12V 15Ah)
		Quantity pc	3
		Nominated voltage V	36
		Model	TNE12-15
16	Controller	Rated working voltage V	Vehicle-mounted
		Max. working voltage V	44
		Under-voltage protection voltage V	31.5
		Working temperature ℃	-25～80
		Cooling mode	Air cooling
17	Charger	Type	Non-on-board
		Specification	36V 1.6A
		Max. input power W	65

Chapter 8 Electrical Schematic Diagram



WARNING

Improper ATV use can result in SEVERE INJURY or DEATH.

ALWAYS USE AN APPROVED HELMET AND PROTECTIVE GEAR

NEVER USE ON PUBLIC ROADS

NEVER CARRY PASSENGERS

NEVER USE WITH DRUGS OR ALCOHOL

NEVER operate:

- Without proper training or instruction.
- At speeds too fast for your skills or the conditions.
- On public roads-a collision can occur with another vehicle.
- With a passenger-passengers affect balance and steering and increase risk of losing control.

ALWAYS:

- Use proper riding techniques to avoid vehicle overturns on hills and rough terrain and in turns.
- Avoid paved surfaces-pavement may seriously affect handling and control.

LOCATE AND READ OWNER'S MANUAL.
FOLLOW ALL INSTRUCTIONS AND WARNINGS