

INTRODUCTION

Please read this manual carefully before using the vehicle and use the vehicle in accordance with the manual.

We reserve the right to interpret any discrepancy between this manual and the actual vehicle.

1. After you read this manual carefully and understand the performance of the car, you can use the car. Please don't use it in a hurry before, let alone lend it to someone who can't control the car.
2. For the safety of you and others, please consciously abide by the traffic laws and regulations. Your car should drive at a speed limit on community roads and non-motorized lanes. It is not allowed to carry people or objects with overloading.
3. It is strictly forbidden to drive the vehicle into a slope that exceeds the climbing ability of the vehicle.
4. It is strictly forbidden to drive the car on hard and uneven roads, and should choose a smooth road.
5. It is strictly forbidden to drive this car if you are too old, underage children, or suffer from serious diseases or acute onset of chronic diseases.

Important notes

Thank you for purchasing this electric car. You should be familiar with the contents of this manual before driving.

Your personal safety depends not only on your alertness and familiarity with various operating techniques, but also on your familiarity with the mechanical properties of the electric car.

Before each driving, should make an inspection, at the same time regular maintenance, in order to use the car more safely.

This manual is electric car correct operation method and simple maintenance adjustment method, essentials, etc. to give a detailed description.

The design of this type of electric car is limited to one driver and three passengers.

Never exceed the load weight specified in this manual.

This type of electric car design, only on the flat road driving.

The electric parts of the electric car are strictly prohibited from entering water (especially the controller). Users must pay attention when cleaning the vehicle.

Wish you a pleasant driving, thank you again for choosing this electric car.

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PART 1 Vehicle characteristics and safe driving rules

§1-1 Vehicle character :

An electric pickup truck is a model with a sedan head and cab and an open truck bed. The front cab can accommodate 4 people, and the rear cargo box can carry up to 300kg of cargo.

Equipped with 60V permanent magnet dc brushless motor, power 4000W, low running noise, long service life, and simple daily maintenance.

Transmission for electronic infinitely variable speed, driving operation fast, simple.

§1-2 Safe driving rules :

1.electric car is only suitable for holding a driving license or accept learning and training qualified personnel to drive!

2.Before driving the electric car, must do a good check on the brake, tire pressure and other inspection work.

3.Please adjust the seat to the right position before driving.

4.Adjust the angle of the rearview mirror before driving so that you can see clearly behind the car.

5.Mobile phones or one-handed driving are strictly prohibited.

6.When driving, do not get too close to other motor vehicles.Strictly observe traffic regulations.

7.Speeding is prone to accidents. Please observe the speed regulations and slow down when turning.

8.Drive carefully at road junctions and exits.Fatigue driving is strictly prohibited.Overloading driving is strictly prohibited.

9.Avoid driving in blinding, shining and unguarded conditions at night.

PART 2 Vehicle parts location and using instructions

§2-1 Vehicle side :



§2-2 Vehicle front and back :



§2-3 Vehicle nameplate and VIN number :

The product nameplate is installed on the bottom of the front seat.

The VIN code consists of 17 bits:

The VIN code is not allowed to be tampered with. It is the vehicle's identification mark. In addition to the VIN mark on the product nameplate, there is another VIN on the body mark. The VIN code is printed in the middle of the door frame tube on the right side of the body.

§2-4 Speedometer:

Left instrument

1. Voltmeter: Display the battery voltage.
2. Speed table: It shows the speed of the car in kilometers per hour.
3. Left and right steering light:

The indicator flashes when the turn signal is switched on.

4. Electricity meter: Display battery charge.
5. Odometer: Displays the current mileage.

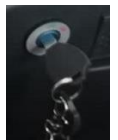
Right instrument: Reversing image device

When the gear device of the car is toggled down to "reverse", the reversing image function of the electric vehicle will be turned on at this time. When the gear device is in "forward" and "stop", the reversing image function will be turned off at this time.



§2-5 Start device:

This car uses a key to start. When the key is pressed and turned counterclockwise to the "ON" position, the engine starts. When selected to the "OFF" position, the engine is shut down.



§2-6 One key start/stop:

Press this button to start/stop the four-door electric vehicle with one key



§2-7 Gear device:

D: Spin to D, the car moves forward

N: Rotate to N, which means parking, neutral

R: Rotate to R and the car will reverse

S: Rotate to S, the car can increase the speed



§2-8 Wiper brush device :

The device on the left side of the steering wheel is a wiper brush device. Flick upwards, the wiper brush is activated, flick downwards, and the wiper brush returns to its original position.



§2-9 Hand glass device:

This car uses a hand-cranked handle to achieve the function of glass lifting. Rotate clockwise and the window will drop. Rotate counterclockwise and the window will rise.



§2-10 Charging port:

When the electric vehicle dashboard shows that the battery level has only two signals, please charge it in time. This is the charging place of the electric vehicle. The normal full charge time takes 6-8 hours.



§2-11 Air conditioner:

the button on the left is to adjust the wind speed, the button on the right is to press up for cold air, press down for warm air



§2-12 Brake and throttle

The pedal on the left is the brake, and the red lever above the pedal on the left is the disc brake. Pulling down can prevent the car from slipping; the pedal on the right is the accelerator.



§2-13 Headlights and turn signals:

Toggle this long rod to turn on the headlights and turn signals



§2-14 Shift function

This tie rod is helpful for climbing and enhancing power.



§2-15 Electric remote control glass device

Long press this button to automatically raise or lower the windows.



§2-16 Handbrake

Pull on the handbrake when parking to keep the vehicle stationary and prevent the vehicle from sliding.



PART 3 Operation guide

§3-1 Check before driving :

Every day before the start of driving, should make a routine inspection of the whole vehicle, to ensure that electric car performance is good and achieve a safe driving effect.

Electric quantity: turn on start switch and watch the position indicated by the electric meter. When the voltage is less than two grids or less than 55V, it should be charged first.

Tyre: front wheel pressure: 220KPa rear wheel pressure: 250kpa

1. The tire pressure can only be checked when the tire is cooling. It should be checked and adjusted regularly.
2. Frequently check whether there is a puncture wound on the tire, and repair immediately if there is a leak.
3. When the tread is worn to the tread wear limit, a new tire should be replaced.

Acceleration system: when the power switch is not turned on, the acceleration knob will be turned on, and there will be no loose stuck phenomenon.

Brake system: hold the brake handle tightly, then release should be free to return to position, no stuck.

Other such as seat position, mirror Angle, door and door lock, whether the parts are loose, whether the horn and lamps are normal, should be checked every day before driving the vehicle.

§3-2 Driving operation :

1. Turn on the power switch and start the switch, and the instrument display shall be normal without alarm display.

2. Put the gear switch into forward or backward gear as needed and slowly turn the acceleration knob to the speed you want.

Must not turn around fiercely, lest cause undesirable consequence.

3. To reduce the speed, close the acceleration knob and use the front and rear brake handle.

§3-3 Braking operation :

1. It is very important to reduce the speed by first turning off the acceleration knob and using the front and rear brake handle at the same time.

2. Use extreme caution when driving on wet or soft surfaces or in rainy conditions, braking, acceleration and steering.

3. When driving at medium-high speed on slippery roads and curves, the front and rear brakes should be used to slow down in advance to avoid accidents.

§3-4 Stop operation :

1. When parking, the vehicle should be parked on the flat and hard ground, otherwise there may be injuries or the result of the vehicle tipping.

2. When parking, turn the start switch to the off position, take away the remote control key and turn on the handbrake.

3. Turn off the start switch and lock the door when you leave the vehicle.

§3-5Charging operation :

1. Park the car to an appropriate charging place, with good ventilation and heat dissipation. There is no combustible material piled up or fire source around.
 2. Turn off the start switch, switch the position of the power switch (charge the batteries as needed), and turn on the handbrake.
 3. Take out the special charger equipped with the car (note that the charger should match the battery), plug one end into the charging port of the car, and plug one end into the 110V power outlet.
- Charge time and discharge time is proportional to, can control.
4. Check the charging indicator on the meter, and leave as soon as the display is normal.

PART 4 Vehicle maintenance and protection

§4-1 Vehicle daily maintenance:

Vehicle cleaning:

To protect the vehicle, it should be cleaned regularly and in accordance with the normal cleaning method. Attention should be paid to the cleaning process:

1. Avoid water into the charging socket of the vehicle, to avoid the short circuit of the car body.
2. Wash to prevent water into the battery, after cleaning dry vehicles.

Before driving, do a brake test to make sure it returns to normal condition.

Maintenance:

The whole car should often use a dry cloth to wipe off the dust and mud on the car, in order to keep clean;

Galvanized, chrome should be coated with a little anti-rust oil, paint can be painted car wax, in order to keep bright and beautiful.

And in each moving part home lubricating oil or grease.

Front and rear tires should be properly inflated, it is best to use pressure gauge measurement, according to the provisions.

Check the screws, bolts and nuts of the whole vehicle regularly to prevent the parts from loosening and falling off and cause accidents.

Check the flexibility and reliability of front and rear brakes and wheels frequently. Adjust or replace shoes or discs if they are found to be underworn or fail to deliver results.

Periodic Maintain table:

The vehicle shall be repaired in accordance with the prescribed repair time.

The meanings of various symbols in the table are as follows:

1. Inspect, clean, adjust, lubricate or replace.

(C: cleaning R: replacement A: adjustment L: lubrication I: inspection)

This item is repaired by the personnel of special maintenance station, the user has special tool, repair fittings or repair ability, also can repair by oneself.

To ensure safety, this item can only be repaired by the personnel of the special maintenance station.

2. When the charging part is repaired or the charging fuse is replaced, the 110V power supply must be disconnected and no live operation is allowed.

Maintenance project	Maintain times	Project cycle	Miles meter Km (remarks)				
			1000K m	4000Km	8000Km	12000K m	remark
<input type="checkbox"/>	Motor gear oil		Every 6 months R				
<input type="checkbox"/>	Rear braking system		C	I	A/L	A/L	
<input type="checkbox"/>	Brake friction plate		C	I	A	R	
<input type="checkbox"/>	Front braking system		C	I	A/L	A/L	
<input type="checkbox"/>	Brake switch	1 month	C	I	A	L/R	
<input type="checkbox"/>	Front and rear lighting	1 month	I/A				
<input type="checkbox"/>	Nuts and bolts	1 month	I/A				
<input type="checkbox"/>	Wheels	3 month	C	I	A/L	A/L	
<input type="checkbox"/>	Bearing	6 month	C	I	L	L/R	
<input type="checkbox"/>	Battery		1 year or charged 300 times R				

§4-2 : Battery maintenance

1. This car USES sealed battery (no need add water).

Note: the electrolyte cover on the closed battery should never be opened.

2. When the vehicle is not in use for a long time, remove the battery and store it in a cool, ventilated and dry place after fully charging.

3. If the pile corrosion of battery is found in use, the battery should be removed to remove (flush with boiling water) and grease.
 4. The charging frequency should be flexibly controlled according to the driving distance and use frequency to extend the service life of the battery.
 5. When starting, carrying people, and uphill, try to avoid violent acceleration, resulting in large current discharge, which is easy to form sulfuric acid crystals, thus damaging the physical properties of the battery plate.
 6. The vehicle is prohibited to be exposed to the sun. The environment with high temperature will increase the internal pressure of the battery, causing the battery to lose water, causing the battery activity to decline and accelerating the aging of the plate.
 7. Generally, the battery can be fully charged after charging for about 10 hours.
- If the temperature of the battery exceeds 65°C during the charging process, the battery should be stopped immediately and the battery should be checked to see if there is any fault with the charger

§4-3 Simple vehicle trouble shooting:

Problems	Cause analysis,	Elimination method
Noise of reduction gear box is too loud or abnormal	Lack of oil, poor lubrication	Replace or replenish the specified gear oil
	Low viscosity of gear oil	Replace or replenish the specified gear oil
	Tooth surface damage or wear caused by excessive lateral clearance	Change gear set
	Bearing damage	Replace the bearing
	Reduction box body or cap compression or impact deformation	Replacement housing
	If the noise during turning increases or the sound is abnormal, the differential gear meshing is bad, blocked, worn, lack of oil and so on	Replace the gear set and differential housing in the differential
The motor turns and the wheel does not turn	Gear assembly gear fit too loose slip	Change gear set
	The planetary gears in the differential engage badly (wear too much) and slip	Change gear set
	The planetary gear shaft is broken	Replace the planetary gear shaft
The gear box is leaking oil or oil	Leakage from motor end: 1. the oil seal tight band spring falls out 2.Damaged or worn main lip of oil seal	1.Reinstall or replace the oil seal 2.Replace the oil seal
	Oil leakage at the end face between the reducer body and the cap: 1.damage (breakage) of rubber asbestos pads 2.The end face of the box body or cover is uneven or has convex points 3.Case body or cover is distorted 4.The fixing bolts between the boxes are	1.Replace the gasket 2.Repair convex point and add asbestos pad 3.Replace the box 4.Tighten the bolts as required

	loose	
	Oil leakage at half shaft joint: 1. the frame oil seal matched with the half shaft is damaged 2. half shaft seal belt finish is damaged or outside diameter size is not required	1. Replace the oil seal 2. Improve the half shaft structure and replace the half shaft
Gearbox bearing is abnormal damage	Insufficient lubrication or gear oil does not meet quality requirements	Check and replace gear oil
	Gear oil cleanliness is not good or viscosity is too small	Replace gear oil
	The bearing quality is not up to standard	Replace the bearing
Motor does not turn	The supply voltage is too low	Check whether the supply voltage meets the requirement
	Connection line fault	Check all connection lines to ensure proper and reliable connection
	Controller protection	Reset the system
	Controller damage	Replace the controller with the same specification
	Position sensor fault	Replace the controller with the same specification
	Wrong wiring	Check motor and controller wiring to ensure proper and reliable connection
Unstable operation	Motor phase deviation is large	Adjust the phase to ensure that it is normal
vehicle jitter	The motor is not properly connected	Check the connection between motor and controller to make sure it is correct and reliable
Abnormal sound at run time or failure to start	Connector loose or unreliable connection or missing phase	Check motor and controller connectors and wiring to ensure they are correct and reliable
Motor temperature is too high or burnt out	Long overload runs	Avoid overload running to choose the right product for the load
The output torque decreases	The magnetic property of the rotor decreases	Replace the rotor with the same

significantly		
The vehicle body shake is bigger when moving	<ol style="list-style-type: none"> 1.The tire pressure is too high 2.failure of front helical spring or front shock absorber 	<ol style="list-style-type: none"> 1.Air at standard pressure 2.Replace the front spiral spring or shock absorber
When driving, the rear axle has abnormal noise	<ol style="list-style-type: none"> 1.Rear hub bearing is worn or damaged 2 the rear shock absorber fails 	<ol style="list-style-type: none"> 1.Replace the rear hub bearing 2.Replace the shock absorber assembly
Brake wandering	<ol style="list-style-type: none"> 1.tire inflation pressure is not uniform 2.The front hub bearing is worn, and the tightness on both sides is inconsistent 3.Wheel braking force is uneven 	<ol style="list-style-type: none"> 1.make the pressure of the left and right wheels consistent, and reach the specified value 2.Replace the bearing, so that the bearing clearance on both sides of the same 3.Replace the brake shoe block or disc brake
Inflexible steering, Direction bar swing	<ol style="list-style-type: none"> 1. Lack of lubricating grease for directional column bearing 2.The anchor bolt of the directional handle is loose 3.The locking nut of the directional column is loose 4.Steering bearing, steel bowl damaged 5.Wheel pressure is insufficient, wheel swing 6.hub nuts loose 	<ol style="list-style-type: none"> 1.Add lubricating oil 2.Tighten the bolts and nuts 3.Tighten the lock nut 4.Replace bearings and steel bowls 5.Adjust the tire pressure 6.Tighten the axle nut
The car body shakes when braking	<ol style="list-style-type: none"> 1 brake drum out of circle 2.Brake shoes deform, wear or slip 3.The brake shoes are stained with oil or grease 4.There is something wrong with the brake pump parts 5.The fixing bolt of the brake clamp bracket is loose 6. Uneven wear of brake disc thickness 	<ol style="list-style-type: none"> 1.Replace the brake drum or boring the brake drum in pairs 2.Replace the brake shoe 3. remove the oil from the hoof 4.maintenance brake pump 5. tighten the fixing bolt 6. Grinding or changing the brake disc
Motor cannot start	<ol style="list-style-type: none"> 1 battery loss, insufficient voltage 2 the motor wiring harness is broken 	<ol style="list-style-type: none"> 1.Charge or replace the new battery 2.Check the motor wiring harness and replace it if necessary
The tires wear unevenly	The tire pressure is too low	Inflate to the recommended pressure
Turn on the	1.Key switch break	1.Repair or replacement

key switch power indicator does not display	2.Loose or broken connection 3. oxidation of battery connector 4.The control circuit or power off switch is damaged 5 battery polarity is reversed	2.Tighten the connector or connect the wire 3.Polish and clean with sandpaper 4. replace 5.reverse polarity
The vehicle often stop when driving	1 power passing current and thermal protection system bit start 2 the circuit connector is loose	1. check and exclude whether the parking device has been completely released, whether a long time to carry, climb or replace the controller 2.Tighten the connector or connect the wire

PART 5 Vehicle packaging and storage

§5-1 Packing and transportation requirements :

- 1.Before packing, each vehicle must be cleaned with a cloth, the battery connection should be disconnected, and the surface of the chrome-plated parts should be evenly coated with a thin layer of anti-rust oil to prevent rust.
- 2.Put the adjusted car into the lifting range of the lift, with four lifting arms in the corresponding lifting position of the vehicle, lift the vehicle.
- 3.Place the packaging iron frame under the vehicle, lower the elevator slowly, and put the four wheels on the corresponding position of the packaging frame.
- 4.Drop the lifting arm, fix the wheels on the chassis with iron wire, and shovel the vehicle and chassis to the corresponding place.
- 5.Open the door and wrap the corresponding accessories in paper boxes, place them in the compartment and secure them.
- 6.Check the vehicle parts and tools as well as the signs are complete, cover with dust bags, and finally cover with the packaging top shelf, front and rear support frame and side reinforcement pipe, then tighten the whole packaging iron frame with bolts and nuts.

§5-2 Vehicle storage requirements :

- 1.The storage place should be dry, ventilated, rainproof and sunproof. Inflammable and chemical corrosion products should not be piled around.
- 2.For a long time, the battery should be fully charged first, the power supply should be disconnected, the moving parts should be filled with lubricating grease, and the hood should be covered to prevent damage or failure of the parts caused by not using for a long time.
- 3.When the vehicle is used again, if it is stored for more than 4 months, the rear axle gear oil should be replaced to fully charge the battery.
- 4.Carry out the full inspection before driving, try to ride the electric car in an open area for a

period of time to ensure safety.

PART 6 Electrical schematic diagram

