



European EEC Standard

酷奇 Goody 3000



Introduction

Thank you for purchasing the Anaig **Goody** electric vehicle, and sincerely welcome to join the ranks of driving the Anaig electric vehicle. In order to have a safer and more enjoyable driving effect, please read this manual carefully before your first use, and familiarize yourself with the vehicle structure, features, instructions and relevant regulations of our company as soon as possible. The contents in this manual will help you to master the correct method of driving and maintaining the vehicle so that you can fully enjoy driving pleasure.

An inspection should be done first before driving every time, and regular maintenance is the most basic condition. If you need regular maintenance or repairs, remember that only our local company's special maintenance department knows best what to do, and it also ensures the best operational performance. If you own a variety of mechanical knowledge and maintenance tools, the special dealerships can provide the parts catalog and authentic parts to help you do all kinds of maintenance and repair work.

This manual describes in detail the correct operation, simple maintenance and adjustment methods and essentials of **Goody** electric vehicle for durable use. If some technical specifications of the vehicle are changed, some pictures or contents in this manual may differ from the actual situations, please understand. We reserve the right of final interpretation.

Do not modify the vehicle in any way. Otherwise, it may adversely affect the safety, durability and performance of the vehicle and violate the limited warranty conditions.

We wish you a pleasant drive and thank you for choosing the Anaig electric vehicle again.



Attention

- **Driver and Passenger**

This electric vehicle is designed for one driver with the cargo which is no more than 300kg. Never exceed the load of this vehicle specified in the manual.

- **Road Conditions**

This electric vehicle is limited to driving on all kinds of roads with a slope of no more than 18 degrees.

- **If some technical specifications of the vehicle are changed, some pictures or contents in this manual may differ from the actual situation, please understand. We reserve the right of final interpretation.**

- **Please read this manual carefully**

Pay special attention to any sentence or paragraph marked with the following warning symbols.

Warning, caution, notice, and certain special symbols will frequently appear in this manual. Please pay attention to these information that may indicate a hazard that could result in injury or damage to your vehicle.



"Warning" means that if you do not follow the instructions it will likely result in serious injury or death;



"Caution" means that dangerous or unsafe operation will result in injury or damage to the vehicle;



"Notice" indicates that drivers and passengers should avoid the operation that could endanger the vehicle or personal safety.

This manual should be regarded as a permanent part of this electric vehicle. Even when the vehicle is transferred to another person, it should be handed over to the new owner.

When purchasing a vehicle, the owner should receive instruction from a professional in Anaig special dealerships to learn about driving, charging, and daily maintenance of the electric vehicle. If there are any problems during use, please contact Anaig special dealerships in time. Service call: _____.



1、 The electric parts of Anaig electric vehicle are components where water is strictly prohibited, especially the controller. The owner must pay attention when cleaning the vehicle.

2、 The vehicle should speed up slowly when it starts. Stepping on the accelerator pedal lightly is both safe and power-saving, allowing us to drive comfortably.

3、 Charge when the power indicator reaches the minimum two compartments (or the voltmeter indicated in the yellow indication)! Otherwise, the battery will be over-discharged, at which point the battery's damage will be irreparable.

4、 Users are not allowed to install electric components or modify other normal components on their own. The loss caused by this will be borne by users.

5、 In the cold weather, the battery's activity will decrease and the mileage will be shorter than that in summer. This is a normal phenomenon.

6、 Vehicle charging plug cannot be touched by hand, otherwise the voltage above 72V is enough to cause harm to the human body.

7、 The vehicle is equipped with a high-voltage power battery, and the operating voltage of the drive motor is also high voltage. All high-voltage cables and plugs have been designed, manufactured, and assembled in accordance with relevant national and industry standards. Except as allowed in this manual, do not touch the high-voltage cable (the colour of this cable is orange) and the connector to prevent electric shock.

8、 Please follow all warning labels attached to the vehicle parts.

9、 Any changes to the vehicle parts may affect the vehicle performance and high-voltage safety, resulting in safety hazards such as electric shock. Therefore, any work involved in disassembling electrical systems or replacing relays must be carried out by Anaig special dealerships. Do not disassemble or replace by yourself!

10、 Recommendations for the use of vehicles in extreme weather:

In summer, the weather is hot and high in temperature. To ensure the safety of vehicles and drivers, do not park the vehicle in the sun for a long time. It is best to park in an open space with good ventilation. In rainy



days, if the water on the ground is above the bottom of the battery pack, do not start the vehicle, please contact the Anaig special dealership in time. In winter, the efficiency of the power battery is low, After your use, please charge the vehicle immediately to improve the charging efficiency.

11、Attentions in the accident:

- Turn the shift knob to "N" and turn off the ignition switch.
- If wires in the car are exposed or damaged, do not touch any wires to prevent electric shock.
- If there is a fire, immediately leave the vehicle and put out the fire with an ammonium phosphate extinguisher or plenty of water.
- If the collision occurs, do not restart the vehicle.
- When the vehicle is partially or completely submerged in water, turn off the ignition switch and escape in time. If there is no bubble or sizzle sounds, the salvage operation can be performed. If bubbles or sizzle sounds are found, wait until they disappear. At this time, there is no risk of electric shock by touching the vehicle body or structure whether in water or on shore.

12、Power battery system recovery:

The power battery used in this vehicle is a lead-acid battery, installed in the lower part of the vehicle body. Random disposal may cause pollution and harm to the environment. For details on the disposal of the lead-acid battery, please consult Anaig special dealerships.

Contents



1. Safe Driving of Electric Vehicle

- 1.1 Safe Driving Regulation.....1
- 1.2 Load.....2

2. Position Chart and Instructions of Components

- 2.1 Vehicle Schematic 1.....
- 2.2 Vehicle Schematic 2.....
- 2.3 Instrument and Indicator Lamp.....
- 2.4 Ignition Switch.....
- 2.5 Control Switches Component.....
- 2.6 Gear Switch, Foglight Switch and.....
- 2.7 Wiper Switch.....
- 2.8 Multimedia Player.....
- 2.9 Rearview Mirror.....
- 2.10 Power Control Switch.....
- 2.11 Parking Brake.....
- 2.12 Windshield Washer Fluid / Wiper.....
- 2.13 Cargo Body Lifting.....
- 2.14 Power Charging System.....
- 2.15 Power Battery Pack.....
- 2.16 Truck Box.....
- 2.17 Freezer System(Optional).....

3. Start and Drive

- 3.1 Attentions

- 3.2 Starting Procedure.....
- 3.3 Stopping.....
- 3.4 Parking
- 3.5 Braking System.....
- 3.6 Economical Speed.....
- 3.7 Tire.....

4. Maintenance and Repair

- 4.1 Regular Maintenance Projects
- 4.2 Maintenance.....
- 4.3 Troubleshooting.....

5. Vehicle Storage.....

6. Vehicle Identification(VIN).....

7. Technical Data.....

8. Electrical Schematic.....





Safe Driving of Electric Vehicle

 This chapter mainly introduces the important information, operating instructions, recommendations and attentions for safe driving. For the safety of you and passengers, please read carefully and observe the relevant regulations.

1. When driving a vehicle, please comply with local regulations on driving qualifications. If the driving license is required, only the person who gets the license or has studied and trained can drive. If you drive this vehicle for the first time, please be supervised by trained technician to avoid accidents.
2. Do not drive the vehicle with the rearview mirror folded.
3. Make sure that you are wearing safety belts properly before starting the vehicle.
4. Drive with caution. Pay attention to the traffic, roads and weather conditions, and keep enough distance from the vehicle ahead. Avoid driving at night with dazzling lights, blind spots and unprepared conditions.
5. When you are driving, pay attention to other vehicles and pedestrians. When changing lanes, please observe the rearview mirror and use the turn signal in advance. Do not drive when you are tired.
6. Do not use mobile phones while driving. When the vehicle is in an emergency parking, press the switch to turn on the hazard warning lamp.
7. Please drive slowly in rainy days. The wading depth should not exceed the ground clearance, otherwise it will cause the motor fault.
8. Overspeed or overload is easy to cause accidents, so please comply with state regulations and never do a dangerous driving.
9. Your ability to respond to environment changes will decrease after drinking. The more you drink, the slower your reaction. So, do not let you or your friends drive after drinking.
10. Do not get too close to other vehicles while driving. Please comply with the local traffic regulations.

 **Load:** Only 250 kg. If the vehicle is overloaded, its stability and operation will be affected.





Position Chart and Instructions of Components

2.1) Vehicle Schematic 1



- 1、 Windshield 2、 Wiper 3、 Mirror 4、 Turn Light 5、 Headlight
6、 Reflector 7、 Front Wheel 8、 Handbrake 9、 Rear Wheel



2.2) Vehicle Schematic 2



- 1、 Turn light 2、 Position Light & Parking Light 3、 Reversing Light
4、 Motor 5、 License Plate

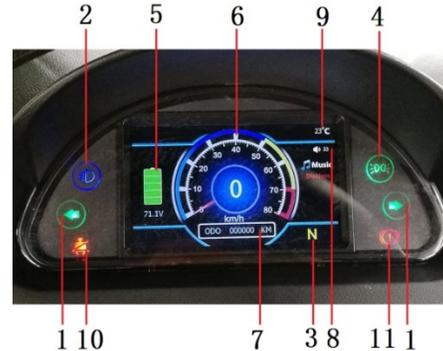




2.3) Instrument and Indicator Lights



- (1) Left and Right Turn Indicator lights:
When the turn signal button is toggled, the left and right turn indicator lights will flash.
- (2) High-beam Indicator Light:
When the switch is in the "☰" position, the high-beam indicator light will be turned on.
- (3) Gear Indicator Light:
When the gear is in the "Drive", " Neutral" and " Reverse" position, the indicator lamp shows "D", "N" and "R" respectively.
- (4) Position Indicator Light:
When the headlight switch is in the "☰" position, the position indicator light will turn on.
- (5) Power Meter:
When the ignition switch is turned on, remained capacity of battery power is displayed.
- (6) Speedometer:
Display the speed of the vehicle while driving.
- (7) Odometer:
Record the mileage of the vehicle.
- (8) Multimedia Volume:
Display the current multimedia volume.
- (9) Ambient Temperature:
Display the current ambient temperature.
- (10) Front Seatbelt Indicator Lamp:
Display the status of the front seatbelt.
- (11) Parking Indicator Lamp:





Display the parking status of the vehicle.

2.4) Ignition Switch

(1) LOCK:

Press the key inward, turn it counterclockwise to the "LOCK" position and then pull out the key. At this time, the steering operation cannot be performed, and the motor and all lights cannot be turned on.

(2) OFF (⊗):

When the switch is turned to the "OFF" position, the motor will be switched off and you can take the key out.

(3) ON (○):

When the switch is turned to the "ON" position, the motor will be turned on but the key cannot be pulled out.

(4) When the switch 1 is pressed, the keyhole will be covered to prevent the ignition switch from being pried. If it needs to be opened, put the end section 3 of the key into the groove 2, and then rotate it.

(5) To open the seat lock, insert the key and turn it counterclockwise.

2.5) Control Switch

(1) Switches on the right handlebar

- (OFF): All lights are off;

☞ : Lighten Position Lights, Taillights, Plate Number Lights and Instrument Indicator Lamps.





☰☉ : Lighten Headlights, Position lights, Taillights, Plate Number Lights and Instrument Indicator Lamps.

Please do not light Headlights and other lights up for a long without driving. Otherwise it will waste the power of Battery Pack.

⚠(Warning Switch):

There are two positions, "⚠" and "•". While "⚠" pressed on, the left and right Turn Lights are flashing at the same time. While "•" pressed on, they are released.

"⚠" only allowed to work in an emergency case. At this position, all of Turn Lights are flashing. While they are working, neither of left or right Turn Light switches is able to work properly.

 (Horn Switch):

Press this button on for beeping.

(2) Switch on the left handlebar

↔ (Turn Light Switch):

At the position of "↔", Left Turn Lights and Indicator Lamp lightened up, which means turning left. At the "↔" position, Right Turn Lights and Indicator lamp will be on, which means turning right. At the "•" position, Turn Lights are released.



2.6) Gear Switch , Foglight Switch and Wiper Switch

(1) Drive / Reverse Button 1



Press this button for controlling the vehicle to drive ahead or reverse.

(2) Foglight Switch 2

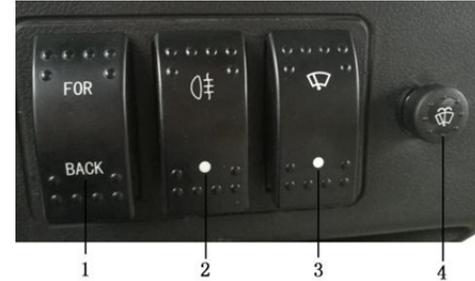
While Position Lights or Headlight is on, press this Switch to turn on Foglight.

(3) Wiper Switch 3

Press this switch to make the wiper operate automatically.

(4) Windshield Washer Fluid Button 4

When the wiper starts to operate, press this button to spray the windshield washer fluid which is used to clean the windshield for driving safety.



2.7) Multimedia Player

(1) Turn On/Off

The default is the radio status when the power is on for the first time.

On: Press the power button to turn on the player.

Off: Hold down the power button to turn off the player.

(2) Mode Switching

When the player is turned on, press the "MODE" button to switch between "Radio \ USB" mode.

(3) Volume Adjustment

Press the "▲+" button to increase the volume and press the "▼-" button to decrease the volume.



(4) Playback Control

- Press the "||" button to play and pause music;
- Press the "▶▶" button to play the next music;
- Press the "◀◀" button to play the previous music.



2.8) Rearview Mirror

The rearview mirrors can be manually adjusted. Be sure to sit in the cab and manually adjust the rearview mirrors to the most suitable position before your first drive. Please fold the mirror inward when there is a special road condition.





2.9) Main Power Control Switch

While Main Power Control Switch in No. 1 (ON) state, Power is switched on and vehicle is workable.

While Main Power Control switch in No. 2(OFF) state, Power is switched off and vehicle is out of work.



1



2



 Caution: Main Power Control Switch located under the seat.

2.10) Parking Brake

(1) Parking Lock at the left handlebar

Lock: Hold Rear Brake Handle and press Parking Button down after Ignition Switch has been off. Then Rear Wheels locked and vehicle cannot move.

Unlock: Turn on Ignition Switch and hold Rear Brake Handle tightly, Parking Lock unlocked automatically.

(2) Parking Brake on the right side of Driver Seat

Parking State: When vehicle parked, pull up Parking Brake Lever counterclockwise to State 1, and make sure Vehicle has been locked tightly. Caution: Do not drive vehicle before Parking Brake has been released otherwise it can damage to Brake Pats and Discs of brake system.





Parking State Released: Hold Parking Brake Lever, press the button at the top of the lever and release the lever clockwise down to State 2.

Before driving, please check if Parking Brake Lever has been released.

2.11) Windshield Cleaning Fluid / Wiper

(1) Addition of Windshield Cleaning Fluid

a. Knock down the front cover of the vehicle and carefully disconnect the connectors of each luminaire.

b. Refill the windshield cleaning fluid into the tank.

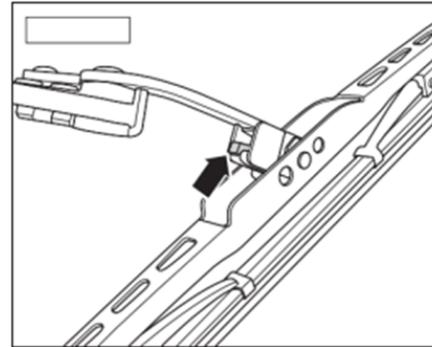
c. Check the tank each week. In cold weather, please add a mixture of water and brand cleaning liquid. It is the best to mix the recommended amount of water with cleaning liquid in a separate container and then refill the mixture into the tank.

(2) Replacement of Wiper Blade

a. Lift Wiper Arm up from Windshield.

b. Press the lock-up reed, push Wiper Blade toward Wiper Arm to separate them, and then remove Wiper Blade.

c. Wiper Blade can be installed in the reverse order. Do not power on Vehicle before a new wiper blade has been installed.





2.12) Cargo Body Lifting

- a. Stop Vehicle and tighten Both of Parking Brakes.
- b. Loosen the buckles 1 on the left and right sides of the bottom of Cargo Body.
- c. Hold Cargo Body's Hanger 2 and lift Cargo Body upwards. Then push Cargo Body to the position shown in the figure in order to unload cargo or maintenances.
- d. After unloading cargo or maintenances, hold Hanger 2 and pull Cargo Body back slowly.
- e. Hang Buckle's Hook on Cargo Body's Bracket, and then fasten Buckle down to ensure that Cargo Body has been locked firmly.





2.13) Charging System

Warning:

Vehicle Charging System has a high voltage. Unauthorized modification of Charging System Components and Charging Equipments, or a touch of Damaged Charger Components may result in electric shock to death. After a vehicle accident, do not touch any of components marked with a High-Voltage Warning Sign, or modify vehicle parts marked with the same sign. You should go to Anaig's authorized dealerships to conduct an electrical safety inspection for the accident vehicle.

Connecting Charging Cable to Power Supply via an adapter, an extension cable, or similar equipments while the vehicle is charging, it may result in a fire or Electric Shock, posing a risk of fatal injury. For safety, please only use the charging cables and charging equipments provided by Anaig. Do not use a damaged charging cable, when Charging Cable or Power Resource is abnormally hot, please stop charging and check the charging products at Anaig's authorized dealerships.

Caution:

During a charging process or at the end of charging, please pay attention to the following safety precautions to protect yourself and others.

- Please choose to charge in a relatively safe environment (avoid liquid, fire sources, etc.).
- Under following weather conditions: a heavy rain, lightning, blizzard, hail, etc., not to touch Charging Port, in order to avoid any injury caused by Electric Shock.
- While Charging finished, not to disconnect Charging Gun by a wet hand or standing in a wet place, in order to avoid any injury caused by Electric Shock.
- While Charging finished, please disconnect Vehicle from Charging Gun by the manners speci-



fied in this manual, in order to avoid product damages or performance degradation due to the improper operation.

- While charging, make sure Vehicle is in Neutral Gear before disconnecting Charging Gun.
- The temperature of Normal Working Environment for Charging System is 0 °C ~ 50 °C. Charging Efficiency can be significantly reduced at lower or higher temperatures, and Charging Time must be longer than that at the normal temperatures. Not to charge Lithium Battery Pack at an ambient temperature lower than 0 °C.
- While charging, Vehicle should be parked in a ventilated place.
- Self-Discharge of Battery System can be happened during a parking period. It is recommended to carry out a full AC charging each month for balancing and maintenance Battery in order to improve Battery-Life.
- The available power of Battery Energy can be decreased slightly over time.
- In the case, SOC(State of Charge) of Power Battery Pack is about 10% to 20% ,the power battery pack can't be stocked more than 7 days.
- Please go to the designated or professional maintenance department to repair the charging part or replace the charging fuse. Do not operate without permission.
- Please switch off Main Power from Battery before repairing or replacing Battery and electrical components.
- Do not allow children to touch Charging Pile.

A. Charging Procedure Using Household AC Power Supply (Example as European standard Charging Gun):



a. Open Protective Cover of Charging Socket above Taillight, twist Inner Dust Cover fully counterclockwise, and then pull out Inner Dust Cover.

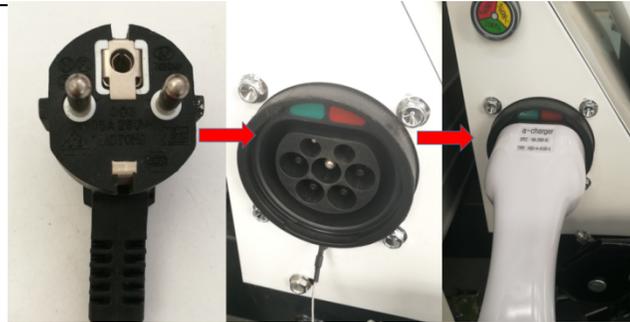
b. Pay attention to the plugs on the charging cable. The large end of the 7-hole charging gun should insert into the charging port on the vehicle, and the two-pole plug should insert into the household power socket.

 Caution:

Charger can work normally only when Household Power Supply has a ground connection.

c. Pay attention to Charging Gun in place to ensure a reliable connection. Then turn on power and start charging Electric Vehicle.





d. During charging, Indicator Light on Charging Controller displays charging status. From top to bottom, Indicator are Power Indicator Light, Charging Status Indicator and Indicator of Charging System Faults.

After two-pole plug has been connected to Power Supply, Power Indicator in Figure 1 lights up; when the charging gun charges the vehicle battery, Charging Status Indicator in Figure 2 flashes, and the status indicator will be on when the charging is completed.

If the charging system is in fault, the fault indicator light in Figure 3 will flash.



Figure 1 Figure 2 Figure 3

e. After the charging is completed, the user needs to wait for the status indicator to light up, and first unplug the charging gun at the vehicle end, then unplug the charging plug from the household power socket.

f. Cover the dust cover of the charging gun on the vehicle and close the charging cover. Then put the charging device into the special storage box.

B. Charging procedure using the public AC power charging pile (Example as American standard charging gun):

 Caution:

Before using Public Charging Pile, please make sure that the public charging pile provides AC power charging service with a voltage of 220 V.

If the vehicle battery is the lead-acid battery, please select the 16 A charging range for charging.

If the vehicle battery is the lithium battery, please select the 32 A charging range for charging.

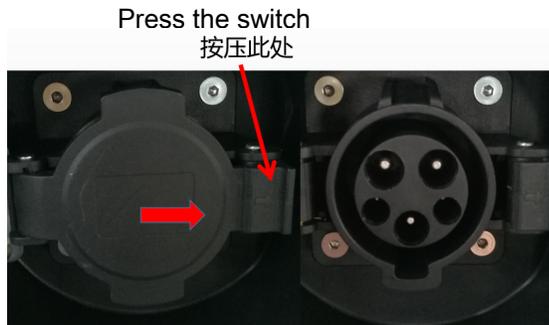


B1. Charging procedure using a public AC power charging pile equipped with a charging gun:

a. Open the protective cover of the vehicle charging socket above the taillight, press the switch on the inner dust cover to open the inner dust cover.

b. Insert the charging gun into the vehicle charging port directly. Please pay attention to the charging gun in place to ensure a reliable connection. Then turn on the power and start charging the electric vehicle.

c. When the control display on the charging pile indicates that charging has been completed, unplug the charging gun and then hang it back to the public charging pile. Close the dust cover of the charging port and the protective cover of the vehicle charging socket.



B2. Charging procedure using a public AC power charging pile without a charging gun:



a. Open the protective cover of the vehicle charging socket above the taillight, press the switch on the inner dust cover to open the inner dust cover.

b. Insert one plug of the self-provided charging gun (Figure 1) into the charging socket of the public charging pile (Figure 2), and then plug the other end of the charging gun into the vehicle charging port. Pay attention to the charging gun in place to ensure a reliable connection. Then turn on the power and start charging the electric vehicle.

c. When the control display on the charging pile (Figure 2) indicates that charging has been completed, first unplug the charging gun at the vehicle end, and then unplug the charging plug connected with the charging pile. Close the dust cover of the charging port and the protective cover of the vehicle charging socket. Then put the charging device into the special storage box.

Press the switch



Figure 1

Figure 2

2.14) Power Battery Pack

1. Lead-acid battery



Lead-acid batteries are designed to be maintenance-free, so solutions cannot be added. Under the normal charge and discharge conditions, the cycle life of lead-acid batteries is about 300 times;

(1) Use and maintenance of lead-acid battery

- If the vehicle is used for the first time or after being parked for a long time, there may be deviations in the state of charge (SOC) displayed by the instrument, so it is recommended to fully charge the vehicle before using.

- Always remove the dust and dirt from the battery cover and keep the battery dry and clean to prevent the battery from self-discharging.

- Never leave the battery in a state of insufficient power for a long time. The good habit of charging the battery every night should be developed, and the battery should be recharged every time the 40% -50% power is used. If the battery is not used for a long time, the battery should be fully charged, placed in a cool and dry place, and recharged regularly (usually once every 15 days).

- When the vehicle is running, pay attention not to allow the battery to over-discharge. Generally, the battery should be charged best when the battery is discharged at a depth of 50% -60%. When the power indicator has only two divisions on, charge the battery as soon as possible to prevent the battery from over-discharging.

- The discharged battery should be recharged in time and should not be left for more than 12 hours.

- Avoid overcharging, please stop charging when the charger shows full.

- Avoid long-term power loss, otherwise it will vulcanize the polar plates. It is best to run out of the battery power once a month, that is, drive the vehicle until the battery is under-voltage and dis-



charged deeply, and then charge the battery, which can extend the battery life.

- Do not expose the battery to sunlight, otherwise the temperature of the battery and the activity of various active materials in the battery will be increased and the service life of the battery will be affected.

(2) Disconnection and removal of lead-acid battery

- Before disconnecting or removing the battery, make sure that the ignition switch and other electrical components are turned off.

- First disconnect the negative ("-") connection, then disconnect the positive ("+") connection.

- When reconnecting, connect the positive lead first and then the negative lead.

- Loosen the limit bolts that fix the battery pressure plate and take out the battery pressure plate.

Use the lifting handle (if installed) to lift the battery from the vehicle.

Warning:

- Do not turn the battery's electrodes upside down. If the battery's electrodes are reversed, the electrical system may be damaged.

- Do not short the positive terminal and negative terminal of the battery under any circumstances to avoid serious safety accidents such as burns and injuries.

- Always keep the battery upright. If the battery is tilted more than 40 °, it may cause damage or even a safety accident.

- After the vehicle is started normally, do not disconnect the battery during parking and driving.

- Do not allow battery terminals or leads to come into contact with tools or metal parts on the ve-



hicle.

- Do not disassemble and modify the battery.

(3) Replacement of lead-acid batteries

Only the batteries of the same type and conforming to the original specifications shall be assembled. Other batteries may not be the same in size or the terminal positions may be different, which may cause battery damage, leakage or fire.

Make sure the battery is installed correctly when replacing. Ensure that the battery tray and pressure plate are securely fixed to prevent the battery from moving during an accident or emergency stop.

- The following figure is the wiring diagram of the 72 V dual battery.







Start and Drive

1、 Starting Attentions

- a、 To ensure that the charging socket is disconnected.
- b、 Turn on the ignition switch and watch the position indicated by the electricity meter. If the battery is low, the vehicle should be charged first.
- c、 Turn on the ignition switch and ensure that all indicators and signal lamps are normal.
- d、 Check the free travel of the brake handle. This free travel should be between (10 ~ 20) mm, which is based on the end of the brake handle.

2、 Starting Procedure

- a、 Turn the ignition key to START and check the instrument.
- b、 Move the shift lever to the corresponding gear.
- c、 Release the parking brake and twist the accelerator handle slowly. To decelerate the vehicle, just release the handle.



Warning:

Twist the accelerator handle slowly while starting. Do not twist vigorously to avoid adverse consequences.



Caution:

Do not place your hand on the shift button (or shift lever) while driving.





3、Stopping

Please follow the procedure

- a、 Tighten the parking brake and turn off the ignition switch.
- b、 Do not put the ignition key in ON position to avoid battery discharging. Also, be sure to pull out the key and get it with you.

4、 Parking

- a、 Pull up the parking brake lever and do not press the lever button at this time.
- b、 Be sure to completely release the parking brake lever before driving. The specific method is to hold the lever button and release the parking lever downward.



Warning:

Driving with the parking brake on can overheat the brake parts and the motor, which will affect the braking performance and increase the wear of the brake. In severe cases, the motor may burn out.



Warning:

Try to tighten the brake lever when parking, especially on the slope.

5、 Braking System

(1) Brake Operation

- a、 Control of Accelerator Handle

To reduce the speed of the electric vehicle, it's important to release the accelerator handle and use both front



and rear brakes at the same time.



Warning:

When driving on wet or soft roads or in rain, whether it is braking, accelerating or steering, special care must be taken.

b、 Operation of Front and Rear Brakes

When driving on a steep slope, please completely release the accelerator handle and use the brakes on the front and rear wheels to reduce the speed.



Warning:

Do not use the front or rear brake separately when driving at a medium or high speed, especially on the slippery road and the bend. Use the front and rear brakes at the same time to avoid accidents and slow down to ensure a safe passage.

(2) Maintenance of Brake System

The three wheels are equipped with brakes. You should avoid the continuous operation of the brakes while driving, otherwise the brakes will overheat, which reduces the braking effect, shortens the service life of the brake lining and increases the energy consumption. Also, the fact that the brake lamp is always on will cause the rear driver to misjudge the situation. After the vehicle passes deep water, the brake must be checked. Operate the brake handle appropriately to feel whether the braking effect is normal, if not, please operate the handle frequently until the braking effect returns to normal.



(3) Brake Pad

The brake pad requires a run-in period. In the first 800 km, the sudden brake should be avoided as much as possible. Remember to have a regular maintenance, it ensures that brake system parts are inspected for wear at appropriate intervals and replaced as needed to get the safety and the optimal performance for a long time

6、 Economical Speed

It is recommended that the vehicle should drive at an economical speed of 30-35 km/h to ensure the longest mileage. The driver can adjust the speed according to the vehicle condition and the load.

7、 Tire (Tire Pressure: 250kPa)

Please check and adjust the tire pressure regularly.

- a. To check the tire pressure only when the tire is cooled.
- b. To check whether there is a puncture on the tire. If the tire is leaking, please repair it immediately.
- c. To check whether there are any cuts, nails or other sharp objects on the tire surface and whether there is any indentation or deformation on the hub.
- d. Tires should be replaced when tire tread is worn to the tire wear indicator.



Warning:

If the tire pressure is not up to the standard, the tire surface will suffer too much wear and may cause accidents. The too low tire pressure will cause the tire to slip out of the hub.



Warning:

To use tires heavily worn is dangerous, which will affect the adhesion between tires and the road surface and cause driving difficulties or even accidents.

8、Charging

a、Ensure that the battery matches with the charger and the vehicle must be charged with the specified charger which accord with the company's configuration, otherwise it will damage the battery and even cause fire and other hazards.

b、Check if the charger's rated input voltage and frequency are consistent with the local voltage and frequency. It can be used only when their voltage and frequency are the same.

c、To charge the vehicle, first connect the output plug of the charger to the charging socket of the battery, and then connect the input plug of the charger to the AC power supply. At this point, the charger's power and charging indicators light up, indicating that the power is on and charging begins.

d、Place the charger and the battery in a well-ventilated and dry place while charging. Do not cover anything on them to avoid danger caused by overheating. Do not place them near flammable or explosive materials to avoid fire and the charging place should be kept away from children.

e、The charging interval varies with the degree of discharge. After discharging to an undervoltage condition, the charging interval takes about 6-8 hours. Users can also know the charging status according to the charging indicator. When the indicator turns green, it indicates that the battery is fully charged, and the charger enters the



floating state. It is recommended to continue charging for 1-2 hours after the green light is on, which will make the battery fuller and help to extend the battery life.

f. When charging is finished, first unplug the AC power supply and then pull the plug that is connected to the battery. Hands must be kept dry while inserting and pulling the plug.

g. If the battery temperature is too high (higher than 450 °C), the charger smokes, the sound is abnormal, etc., it indicates that the battery composition or the charger may be faulty. In this situation, the power should be cut off immediately and send the charger and the battery to the dealer for inspection.



Warning:

Do not connect the charger to an AC power supply when the charger is not in use. Otherwise, it will damage the charger and even cause a fire.



Maintenance and Repair

Regular Maintenance Project: Please go to the special service station of the Anaig electric vehicle for the maintenance as required.

N o.	Item	Detail Information	Interval mileage (km)								
			3000	7000	12000	17000	22000	27000	32000	37000	42000
1	General Electrical Apparatus	Vehicle lighting, warning lamp, horn: Check performance.	•	•	•	•	•	•	•	•	•
		Wiper, wiper blade, cleaning device: Check performance.	•	•	•	•	•	•	•	•	•
2	Power Battery	Check three power plugs of the power supply system to find whether there is any external damage, whether the connection is	•	•	•	•	•	•	•	•	•
		Check the appearance of the power supply system to find whether there is any external damage, cracks or serious deformation which may damage the internal single core and	•	•	•	•	•	•	•	•	•
3	DC-DC Converter	Measure whether the DC-DC converter output voltage is in the normal range.	•	•	•	•	•	•	•	•	•
		Check the wire harness in the DC-DC converter: Whether the corrugated pipe surface is aged and cracked, the connector is loose, and the harness terminal bolts are loose.	•	•	•	•	•	•	•	•	•



N o.	Item	Detail Information	Interval mileage (km)								
			3000	7000	1200 0	1700 0	2200 0	2700 0	3200 0	3700 0	4200 0
4	Charger	Check whether the charging socket is loose, and whether there is an ablation phenomenon.	•	•	•	•	•	•	•	•	•
		The charger's AC input harness, DC output harness and power plug should have a good appearance and be free of bad phenomenon such as defects, cracks and deformation.	•	•	•	•	•	•	•	•	•
5	Motor Controller	Check the fixing bolt torque of the motor controller B+, B- terminals and the motor three-phase line (U/V/W).	•	•	•	•	•	•	•	•	•
6	Safety Belt	Check for stuck or non-return phenomenon.	○		○	○	•	•	•	•	•
7	Brake and	Brake, brake fluid reservoir: Visually check for leak, damage and brake fluid level.	•	•	•	•	•	•	•	•	•
		Parking brake: Check its travel and adjust if necessary.	•	•	•	•	•	•	•	•	•



	Braking Force	Brake pipe: Check whether there is any damage, corrosion and leak at all joints.	•	•	•	•	•	•	•	•	•
		Brake disc, brake pad: Check its thickness.	•	•	•	•	•	•	•	•	•





N o.	Item	Detail Information	Interval mileage (km)								
			3000	7000	1200 0	1700 0	2200 0	2700 0	3200 0	3700 0	4200 0
8	Tire	Adjust the tire pressure, check the wheel bolt torque.	●	●	●	●	●	●	●	●	●
9	Drive Shaft	Check if there is an oil leakage and the rubber sleeve is damaged	●	●	●	●	●	●	●	●	●
10	Bolt	Check the torque of connecting bolts on the chassis and between the power supply system and the body.	●	●	●	●	●	●	●	●	●
11	Bearing	Front and rear wheel bearings: Check their clearance and lubrication.	○	○	●	○	●	○	●	○	●
12	Rear Axle Reducer	Replace the gear oil in the rear axle reducer.	●	○	●	○	○	○	●	○	○
		<p>Note: 1、● Need inspection ○No inspection if there is no special circumstance 2、 After the first and second maintenance, regular maintenance should be carried out every 5000km. 3、 The balance of the power battery voltage shall be inspected at each regular maintenance. After the first maintenance, the gear oil of the reducer should be replaced every 1 year or 30,000 kilometers. Gear oil type: Summer API GL-4 SAE 85W-90; Winter API GL-4 SAE 75W-90. The brake fluid must be replaced every 2 years or 50,000 kilometers. If you use the vehicle in a particularly bad condition, replace the brake fluid every 1 year or 25,000 kilometers.</p>									



Maintenance

The maintenance cycle is based on the mileage of the vehicle and it is the guiding basis for the regular maintenance and lubrication of the vehicle. If the vehicle drives at high speed for a long time under harsh conditions, you must increase the number of maintenance. If the vehicle has been overhauled or collided, it is necessary to ask the maintenance department personnel to carefully check the main parts and repair or replace the misplaced or damaged parts for safe driving.

Method

- ◆When mileage is up to 3,000 km for the first time, the rear axle reducer needs to change the gear oil, and then replace it according to the mileage interval in the above table.
- ◆Open the bolt 1 to discharge the gear oil, then tighten the the bolt 1. Open the bolt 2 to pour in gear oil (85W/90GL-4) approximately 650ml, then tighten the bolt 2 after refueling.





 Caution:

To ensure the safety and reliability, do not modify the electric vehicles. Please use new original parts or equivalent parts of the same quality when repairing or maintaining. If you use other poor-quality parts, it will affect the performance and operation of electric vehicles.

 Warning:

To ensure the safety of personnel, regardless of the maintenance work of any procedures, the power must be turned off first, and the vehicle should be parked on a flat and hard ground stably.

 Caution:

If you intend to park the vehicle for more than one month or stop using it during the winter season, please do the maintenance first, mainly including the deterioration, aging and corrosion of tires and batteries.

* Unless you own a set of repair equipment and maintenance information and you are a qualified mechanic, please let the professional do the maintenance and repair.

* For the sake of safety, we argue that these items should be maintained or repaired by the maintenance department personnel.

Note: 1、 If you often drive in a particularly humid or dusty area, it is better to shorten the specified maintenance period.

2、 If you often drive on the bumpy roads, please to maintain the vehicle for the performance.



Brake Fluid

The brake fluid is the medium that transmits power in the automobile hydraulic braking system.

During use, the fluid level in the brake fluid reservoir may drop slightly due to the wear of the brake pad. If such a situation is found, you can add the brake fluid depending on the fluid level.

 **Warning:**

If the brake pedal travel lengthens unexpectedly or the brake fluid level drops significantly, please contact the Anaig special dealerships for inspection immediately. If the brake fluid level is lower than the reservoir's minimum indicator, do not continue to drive.

 **Warning:**

- The brake fluid is corrosive. Keep the container sealed and out of reach of children. If you accidentally swallow the brake fluid, seek medical attention immediately.
- Avoid contact with eyes or skin. If you accidentally come into contact with it, flush with plenty of water immediately.
- Be careful not to spill the brake fluid on the hot motor, or it may catch fire.

Brake Fluid Type: DOT-3 or DOT-4





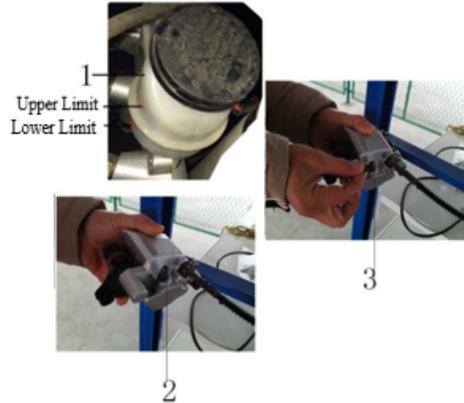
Hydraulic Brake Maintenance

(Please send to the designated shop for maintenance)

Fluid Level: If the fluid level reaches the lower limit, the hydraulic oil can be added as shown in Fig. 1. Do not continue when the hydraulic oil is added to the upper limit.

Deflating: As shown in Fig.2, firstly open the cover and loosen the exhaust bolt. Then operate the brake pedal tightly and loosely. Repeat the deflation several times.

Tighten: After deflating, hold the brake lever, tighten the bolt and close the cover as shown in Fig.3.





Troubleshooting

(I) Power and Brake (Table 1)



Fault	Reason	Approach
Vehicles cannot move	The key switch is turned off or the shift lever is in N (Neutral).	Turn the ignition key to START, move the shift lever to D (Drive) or R (Reverse).
	Battery without electricity	Recharge the battery.
	The battery terminal electrode is corroded or loose.	Clean the corrosion site and tighten the link nut.
	The wire of key switch is loose or damaged.	Connect wires and repair the key switch.
	The accelerator switch is damaged.	Replace the switch.
	The air circuit-breaker is not turned on.	Turn on the air circuit-breaker.
	Drive motor fault	Check the fault area, repair or replace parts
	The parking brake is not turned off.	Press the button and turn it right to unlock.
Unstable speed	The accelerator is damaged.	Replace the accelerator.
Drive motor noise	The drive motor bearing is worn.	Replace the bearing.
	The motor is damaged.	Repair damaged parts or replace the motor.



Battery cannot be charged	The charger is damaged.	Check the charger fault, repair or replace parts.
	Poor contact with charger	Insert the charger plug correctly.
	The battery is damaged.	Replace the battery.
	Over discharge of battery	Check or replace the battery.



(II) Suspension and Steering Systems (Table 2)

Fault	Reason	Approach
Tire wear is uneven	The tire pressure is too low.	Inflate to the recommended pressure.
Steering is inflexible. The steering handle will swing (swing, flutter or vibrate)	The lubricant in steering bearings solidifies.	Add some lubricant.
	There is no lubricant in the hinges of moving parts.	Add some lubricant.
	The steel bowl wears.	Replace the steel bowl.
	The tire inflation pressure is uneven.	Regulate the inflation pressure.
	Locknuts in the steering column are loose.	Tighten locknuts.
	Locknuts in the steering handle are loose.	Tighten locknuts.
	Wheels swing.	Repair or replace the bearing and the front axle.
Brake deviation	Hub nuts are loose.	Tighten nuts.
	The tire inflation pressure is uneven.	Regulate the inflation pressure.
	The wheel braking force is uneven.	Regulate the brake shoe.
	The brake shoe wears badly.	Replace the brake shoe.



Insufficient braking force	The brake oil pipe is leaking and the brake fluid is not enough.	Tighten the tubing joint after exhausting, add the brake fluid.
	There is oil contamination or water on the brake shoe and the brake disc.	Clean
	There is air inside the brake pump.	Deflate



(III) Electronic Control System (Table 3)

Fault	Reason	Approach
<p>After turning on the key switch, there is no display of the battery indicator and no "click" sound of the contactor.</p>	The key switch is an open circuit.	Repair or replace the switch.
	The circuit joint is loose or the circuit is disconnected.	Fasten the joint or connect wires.
	The battery joint is oxidized.	Smooth and clean with the gauze.
	The control circuit or air circuit breaker is damaged.	Replace
	The battery polarity is reversed.	Exchange the polarity.
<p>After turning on the key switch, the battery indicator displays and the contactor has "click" sound, but the vehicle does not start.</p>	The accelerator is not returned.	Adjust
	The drive/reverse switch is damaged.	Inspect, repair, replace.
	Accelerator fault	Check fault areas, repair or replace parts.
	Contactor contact fault	Check fault areas, repair or replace parts.
	Speed controller fault	Check fault areas, repair or replace parts.
	Drive motor fault	Check fault areas, repair or replace parts.
	The controller is damped or watered.	Inspect, dry.



The vehicle has a repeated start and stop automatically.	The circuit overcurrent and overheat protection system is not started.	Check whether the parking device has been completely released, whether to carry or climb for a long time. Or to replace the controller.
	The circuit joint is loose.	Fasten the joint and connect wires.
The vehicle starts briefly but then stops again.	Low battery	Charge the battery.
	Drive motor fault	Inspect, repair.



Battery Maintenance

This model adopts the sealed battery (free of water).



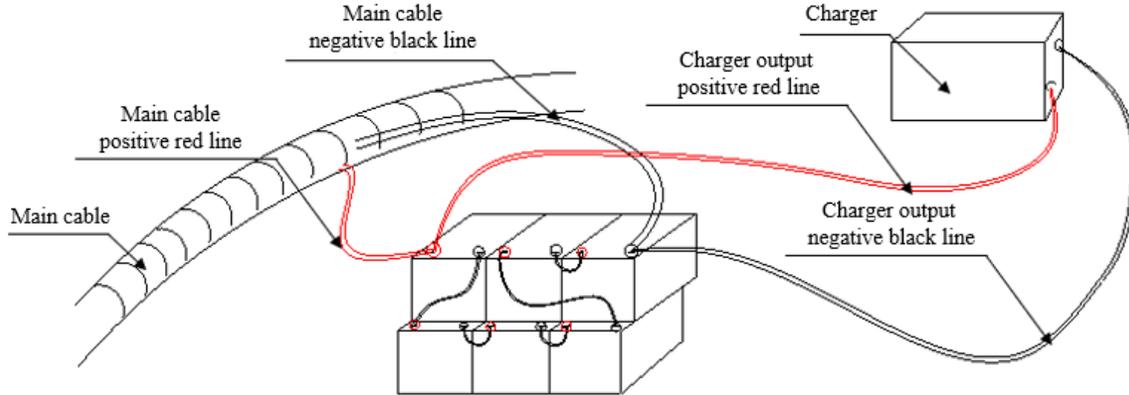
Caution:

Do not open the electrolyte cover of the sealed battery.

·If 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 it.

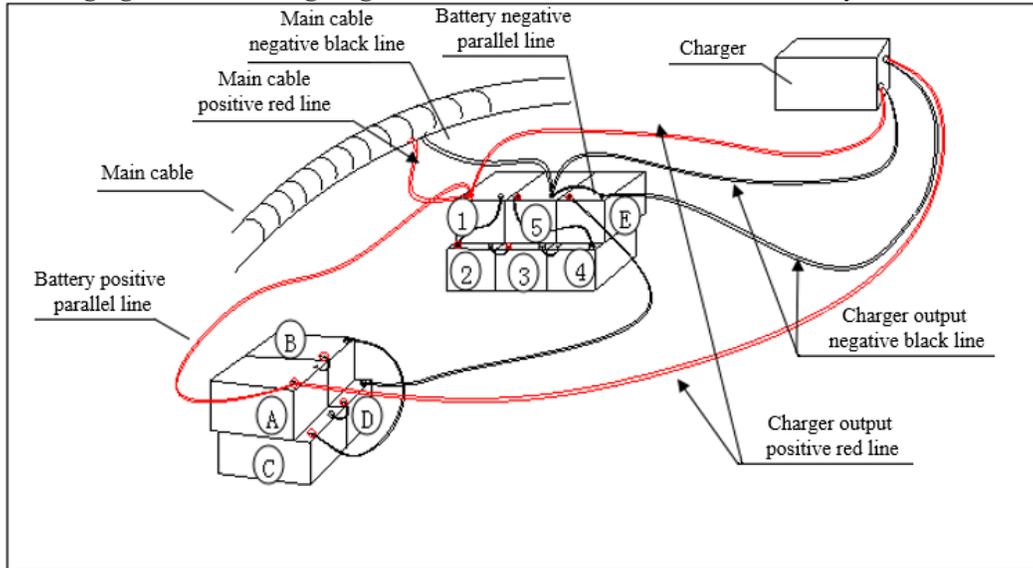
·If the head of the battery pile is corroded, remove the battery and clean it (rinse with boiling water).

The following figure is the wiring diagram of the 72V battery.





The following figure is the wiring diagram and attentions of the 60V dual battery.



Caution:

To remove the battery, turn off the ignition switch first and then remove the negative pole. To install the battery, the negative pole should be installed after the positive pole. Do not misfit the negative and positive poles.



Vehicle Storage

Storage

To store an electric vehicle for a long time, such as in winter, several steps need to be taken to prevent the failure or deterioration of the components. In addition, some maintenance work is required before the storage. Otherwise, once the electric vehicle is used again, it is often forgotten to perform that.

- Replace the gear oil of the rear axle reducer.
- Cover the electric vehicle.

Reuse

- Remove the cover and clean the electric vehicle. If the storage time has exceeded 4 months, the gear oil of the rear axle reducer should be replaced.
- To avoid the battery loss, charge the battery once a month when it is not in use for a long time.

Check all items (See Page 22-25) before driving. To ensure the safety, try to drive the electric vehicle at a low speed for a period of time in an area where the traffic is not heavy.



Vehicle Identification

Vehicle Identification Number

The electric vehicle frame number is located on the frame elbow, and you can see it when the cover is opened. You need to provide the above number when you want warranty services of repair, replacement and refund.

Vehicle Identification Number





Technical Data

Table 4

Item	Product Model	Freight Edition	Postal Edition
Vehicle parameter	Dimension (mm)	2800×1150×1600	2800×1150×1690
	Wheel Base (mm)	1960	1960
	Track (mm)	1000	1000
	Minimum Ground Clearance (mm)	200	200
	Rated Maximum Laden Mass (mm)	250	250
	Curb Mass (kg)	256	270
	Maximum Speed	32	45
	Brake Mode	Hydraulic Disc Brake	Hydraulic Disc Brake
	Braking Operation	Hand Brake	Hand Brake



	Tire Specification	Front: 130 / 60-13 Rear: 135 / 70-R12	Front: 130 / 60-13 Rear: 135 / 70-R12
--	---------------------------	--	--



Technical Data

Table 5

Item	Product Model	Freight Edition	Postal Edition
Vehicle parameter	Steering Form	Handle	Handle
	Rated Passenger Capacity	One Person	One Person
	Parking Mode	Manual (Rear Brake)	Manual (Rear Brake)
Dynamic parameter	Range	50	50
	Battery	72V 45AH	72V 45AH
	Charging Interval	8h	8h
	Motor Power	3.0kw	3.0kw



Electrical Schematic

