CONQUEST CARTS

OWNERS MANUAL & OPERATING INSTRUCTIONS



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Introduction to Conquest Carts

Thank you for choosing Conquest Cart - Low Speed Electric Vehicle (LSV).

We are proud to welcome you to a new era of luxury, intelligent, sustainable transportation. Your vehicle represents our commitment to innovation, performance, and environmental responsibility. Every Conquest model is engineered with precision to deliver a reliable, efficient, and enjoyable driving experience from our headquarters in Alabama.

This Owner's Manual has been designed to help you understand the features, operation, and maintenance of your vehicle. We encourage you to read it carefully to ensure safe use and to maximize the performance and lifespan of your Conquest Electric Vehicle.

Use and Scope of Application

The Conquest Cart - LSV is designed exclusively for personal and commercial transportation on public roads and approved driving surfaces. It is engineered to carry passengers and light cargo within the specified load capacity, while delivering efficient, all-electric performance. The vehicle must be operated in accordance with all applicable local, state, and national traffic laws and regulations.

This manual applies to all standard configurations of Conquest Electric Vehicle models unless otherwise specified. It provides guidance on:

- Vehicle operation and controls
- Safety procedures and warnings
- Charging and battery management
- Routine maintenance and care

Some features described may vary depending on model, trim level, or optional equipment.



Functions of Control Mechanism



TURN ON THE POWER SWITCH

1. Pull up the power switch lever to the "RUN" position to turn on the power supply of the complete vehicle.
2. Pull the power switch lever to the middle position to turn off the power supply of the complete vehicle.
3. To move the vehicle without power, manually release the electromagnetic brake using the release shaft located on the brake assembly.
   - Once released, the vehicle can be pushed.

POWER START & LOCK

1. Check gear switch and make sure switch is set to the middle Neutral (N) position. Push and hold start button for 3 seconds for cart to start
2. To turn off place cart in park position with the gear switch. Hold start button for 3 seconds and cart will shut off and magnetic brake will set.

GEAR SWITCH

Located on the steering column, the Forward-Neutral-Reverse (FNR) selector controls the vehicle's direction of travel. Rotate the selector knob to the desired position:

Forward (F): Vehicle moves forward.

Neutral (N): Vehicle is in park/neutral position.

Reverse (R): Vehicle moves in reverse.

COMBINATION INSTRUMENT

Select the gear, put right foot on accelerator pedal and slowly press the pedal to start the vehicle after pressing the start button on the vehicle.

PLEASE BE FAMILIAR WITH ALL OPERATIONS BEFORE DRIVING, STRICTLY ABIDE BY THE OPERATION PROCESS AND AVOID ILLEGAL OPERATION!

BRAKE PEDAL

When you need to slow the vehicle down while driving, move your right foot to the brake pedal and gently press the brake pedal to slow down the vehicle until it stops.



STEERING WHEEL

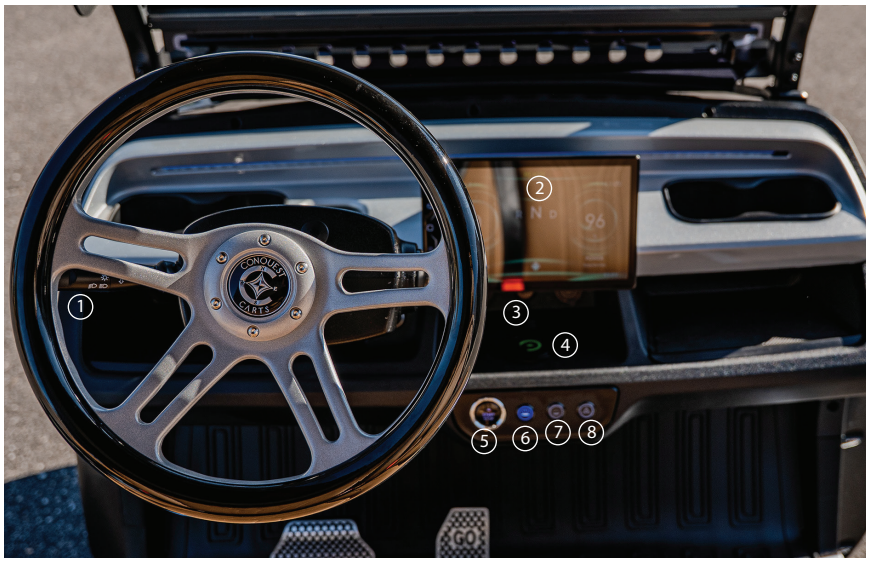
Controls the driving direction of the vehicle.



COMBINATION SWITCH

1. **Turn signal lamp:** When pressing the lever downward, the left turn signal lamp turns on. The right turn signal operates when the lever is pushed upwards. The turn signals will display in the side mirrors when turned on. In some models, the turn signals must be turned off manually after making your turn.
2. **Low beam:** The front half end of the lever can be turned. After the vehicle starts, turn the lever forward for two gears to turn on the low beam. Turn the lever backward to turn off the low beam.
3. **High beam:** Lift the lever (steering wheel surface) to turn on the high beam. After releasing the lever, the lever will be automatically reset, and the high beam turns off at this time. Turn on the low beam first, and then lift the lever. At this time, the lever will not be automatically reset, thus realizing the permanent lighting of the high beam.
4. **Horn:** The head end of the lever is a horn button, which can be pressed in lightly
5. **Self-Canceling Turn Signal:** After a turn is completed, the turn signal will automatically return to the OFF position.

PLEASE BE FAMILIAR WITH ALL OPERATIONS BEFORE DRIVING, STRICTLY ABIDE BY THE OPERATION PROCESS AND AVOID ILLEGAL OPERATION!



DASHBOARD

1. Horn / Lights / Turn Signals
2. Multimedia Display
3. USB-C Charger to USB
4. Wireless Charging Station
5. One-click Start
6. Ambient Light Switch
7. Windshield Wiper
8. Hazard Alarm Switch



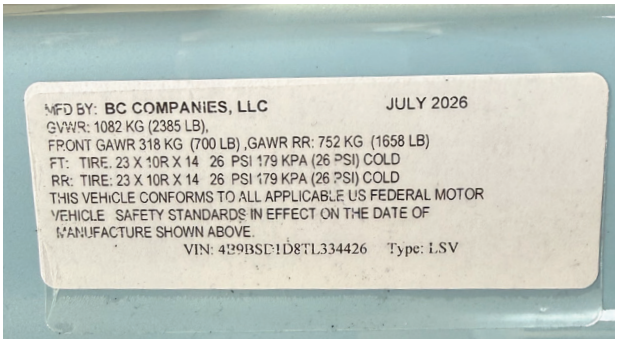
LCD SCREEN DISPLAY

1. Menu
2. Volume Up
3. Home Screen
4. Volume Down
5. Screen Rotate
6. Speedometer
7. Odometer
8. Battery Charge
9. Voltage



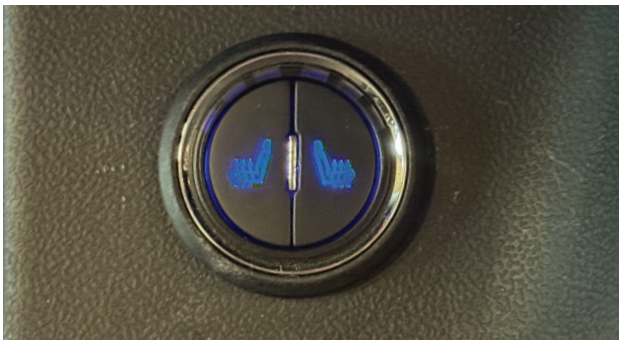
PUSH BUTTON START

Located on the dashboard just to the right of the steering column. Push and hold the button for three seconds until you hear the click and the button lights up indicating it is on.



VIN INFORMATION

It is located under the rear seat above the opening.



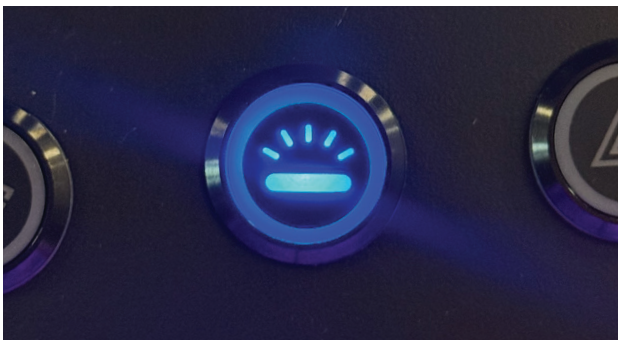
HEATED SEATS

All forward facing seats are heated. The on/off button for each seat is located at knee level.



OPTIONAL ACCESSORIES:

Galaxy roof on/off button is located on the top left of the overhead storage.



AMBIENT LIGHTING:

Ambient lighting LED on/off switch is located on the dashboard next to the cart power button.

In order to bluetooth the ambient lighting from your phone, download this app called HYD Lamp. When the app opens up, it will ask for a QR code, bypass this step. Go to the app settings, turn Bluetooth off and back on. When it turns back on, it will pop up the carts LED, click on it. From there, you will be connected and can go to MOD and control the lights from there. It's now party time!

Codes of Safety Practice

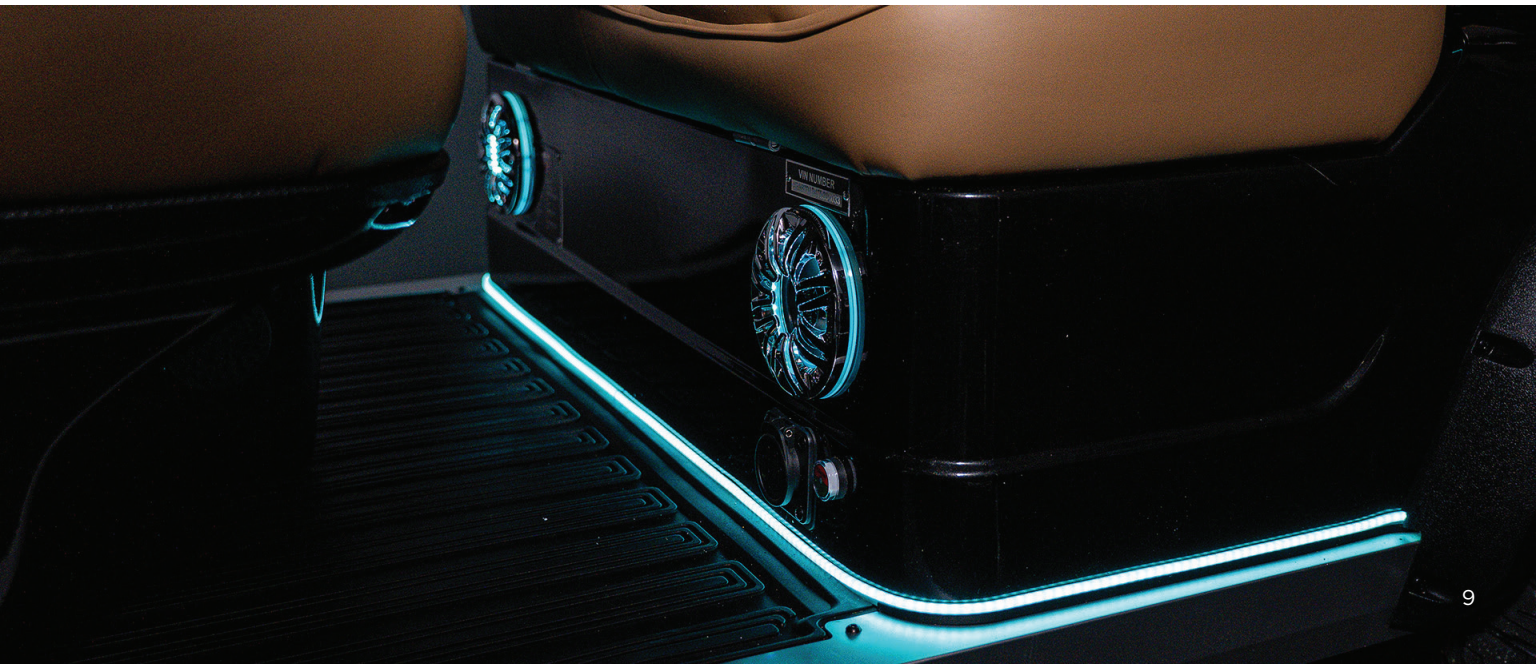
This vehicle should only be used:

- By licensed drivers (where required by law)
- Within the recommended speed, load, and environmental limits
- Using approved charging equipment and electrical sources
- Under normal driving conditions as outlined in this manual

Exercise caution in areas such as:

- Pedestrian walkways and crowded spaces
- Parking lots and garages
- Intersections and blind corners
- Sloped or uneven terrain
- Wet, icy, or loose surfaces

Improper use may result in vehicle damage, reduced performance, or safety risks.



OPERATING A VEHICLE WITH REGENERATIVE BRAKING

OVERVIEW OF REGENERATIVE BRAKING

Your Conquest Cart is equipped with a regenerative braking system. This system captures energy during deceleration and converts it into electricity, which is returned to the battery. This improves overall efficiency and extends driving range.

STARTING AND DRIVING

1) Ensure the vehicle is powered on and ready for operation.
2) Select the desired direction (Forward/Reverse).
3) Press the accelerator pedal smoothly to begin moving.

USING REGENERATIVE BRAKING

- When you **release the accelerator pedal,** the vehicle will begin to slow down automatically.
- This deceleration is caused by the regenerative braking system engaging.
- Energy generated during this process is stored back in the battery.

BRAKING BEHAVIOR

- **Light deceleration:** Occurs when you partially release the accelerator.
- **Stronger deceleration:** Occurs when you fully release the accelerator.
- **Full stop:** Use the brake pedal when additional stopping power is needed.

Note: *Regenerative braking reduces the need for frequent brake pedal use but does not replace it entirely.*

DRIVING TIPS FOR BEST PERFORMANCE

- Anticipate stops early and gradually release the accelerator.
- Avoid sudden braking whenever possible to maximize energy recovery.
- Use smooth acceleration and deceleration for improved efficiency and comfort.

IMPORTANT SAFETY NOTES

- Always keep your foot ready to use the brake pedal when necessary.
- Regenerative braking effectiveness may vary depending on:
  - Battery charge level - Vehicle speed - Terrain (e.g., hills)
- In slippery or wet conditions, apply brakes carefully to maintain control.

Maintenance and Repair

Maintenance of electric vehicles is very important, which is directly related to the driving performance and service life of electric vehicles. Therefore, users must abide by the following maintenance rules.

BATTERIES ARE VERY IMPORTANT, BECAUSE THEY PROVIDE THE OVERALL POWER SOURCE FOR THE COMPLETE VEHICLE, JUST LIKE THE HEART OF ELECTRIC VEHICLES.

1.1 LITHIUM-ION BATTERY

This section in the instruction manual applies to the lithium-ion power battery, including the necessary tasks and steps of the power battery.

This instruction manual is suitable for customers, professionals, and qualified personnel. Personnel performing the following tasks must read and use this manual, and carefully check the battery nameplate information (including model, weight, etc.).

1.2 BATTERY MAINTENANCE

- The battery must be securely connected. **Frequently check for rust** on the connecting ends of the battery wiring and ensure the clamp nut is not loose to prevent heating, sparking, and burning of the pole due to poor connections.
  The other end of the wrench used for the clamp nut should be wrapped with tape to prevent a short circuit that would be caused by an improper connection.

- **Placing any object on the battery is prohibited,** and directly connecting the anode and cathode is strictly forbidden to avoid short circuits and battery damage.

- **After the battery is discharged,** it must be charged promptly to ensure slow discharge and frequent charging. The battery should be charged on the day it is used. Charging the next day or after more than 24 hours is not recommended, as it will shorten the battery's service life.

- **In the winter,** when temperatures are very low, the battery's charging and discharging performance will decline. Therefore, the battery should be charged in a heated area if possible with proper ventalation.

- Use the special charger designed for the vehicle to charge the battery. **Using other chargers may damage the battery.**

- If the vehicle is not used for an extended period, the battery should be fully charged and stored, with the charge replenished every month and a half.

- Ensure proper ventilation in the charging area. During charging, keep the battery cover tightly closed and away from open flames.

  Throughout usage, it is recommended to perform a monthly even charge of the batteries.

BATTERY FEATURE

There is a battery **MAIN SWITCH power button** located on the side of the battery. If the battery is not on, it will not run or charge. If the cart is in sleep mode, the battery will power off. Simply push the button once. You should hear a click and the button will illuminate.



1.3 EMERGENCY HANDLING

Step 1: Leave the vehicle quickly and call the police according to the situation on the scene.

Step 2: Under the condition of ensuring the safety of personnel, conditionally carry out the following operations: if the battery wiring harness is on fire, use carbon dioxide or dry powder fire extinguisher to extinguish the fire; If the battery is on fire, use a high-pressure water gun to extinguish the fire from a distance. If anyone has inhaled smoke, seek medical attention as soon as possible.

Step 3: Notify your Conquest Cart dealer of your vehicle issues for more specific diagnosis.

Tip: If the fire is caused by abnormal charging, be sure to cut off the power supply at the first time before performing the next fire extinguishing action.

1.4 SAFETY INSTRUCTION



Disassembly whithout training or authorization is strictly prohibited



Do not flush or close to a heat source



Beware of high voltage electric shock



It is forbidden to short-circuit the positive and negativepoles



keep away from inflammable and explosive objects



Recycling,no littering

1.5 ENVIRONMENTAL PROTECTION

Customers should comply with the following requirements when recycling products: It should comply with the specific environmental protection regulations of the country or region where the product is used.

The waste parts and components should be turned over to a local business which has a state-approved business to recycle and dispose of them. The classification and collection of this product.

2.1 BATTERY CHARGING: USE METHOD & PRECAUTIONS

The charging systems on Conquest Carts are designed to be fully automatic and user-friendly. All Conquest Carts come standard with an onboard charger.

When connecting the 110V input power supply, it is important to ensure that the input line model matches the input current to prevent overloading.

Connect the output plug to the vehicle. It is important to always use the supplied 110v charging cable Conquest provided with your vehicle. If an extension cord is needed, it muich be at least a 12 guage and no more than 20' in total length. Always keep the vehicle plugged in when not in use.

Once the input and output lines are connected, the red indicator light will flicker as the charger performs self-inspection. After completing this inspection, the green indicator light will flicker, indicating that charging has commenced.

During the charging process:

- The green light will flicker slowly when the battery capacity is below 80%.
- The green light will flicker quickly when the battery capacity exceeds 80%.
- When the battery reaches full capacity (100%), the green light will remain steadily on, and the charger will automatically stop charging to prevent overcharging.
- The charger includes its own discharge protection feature. When the discharge termination point is reached, the vehicle will initially limit its speed to reduce the battery discharge current. If the vehicle is not promptly recharged, further protective measures will be activated to prevent operation.

It is important to note that non-electrical workers should not attempt to dismantle or replace the charger.

During charging, if the grid voltage is too high or too low (outside the range of 110V), the charger will activate automatic protection measures. Simultaneously, the fault indicator lamp will illuminate to alert the user. Once the voltage returns to the normal range, the charger will automatically resume the charging process.

2.2 MAINTENANCE AND REPAIR OF TRACTION MOTOR

1. The motor of the vehicle can work normally within the nominal working voltage range of the battery pack.
2. The motor is not allowed to idle, and the terminals cannot be short- circuited externally.
3. The air should not contain explosive gas.

2.3 MAINTENANCE AND REPAIR OF ELECTRONIC CONTROL GEAR

The electronic control gear used in the vehicle is an original imported product, and high-frequency MOS technology is adopted to realize smooth, silent, efficient and energy-saving vehicle speed, torque and brake control.

- To prevent runaway upon starting, when the vehicle starts, if the controller detects that the pedal input signal is greater than 20%, it will trigger the controller protection function (HPD) and the controller will prohibit the output.
- The microprocessor is powered on for self-inspection and subject to continuous diagnosis during operation. In case of any fault, the controller will stop output immediately, thus protecting the operator and the vehicle comprehensively.
- The AC controller also has temperature monitoring and protection functions to effectively prevent the motor from high temperature and avoid damaging the motor.

1. REGULAR MAINTENANCE

a. Check whether the contact between contactor contacts is good, whether there is adhesion or open circuit, whether there are sundries and ablation between contacts, and whether the moving contact is mechanically stuck.
b. Check whether the microswitch in the accelerator has good on-off performance.
c. Check whether the on-off performance of the direction switch is good. (CVT vehicle).
d. Check whether the connection between the motor, battery pack and controller unit is good. Note: Check in case of power failure.
e. Check and keep the electric control, motor and battery pack clean.

The above checks shall be conducted at least once every three months. After turning off the power, the filter capacitor in the controller unit should be kept discharging for several minutes. Do not flush the electrical components with water! Clean brush or high-pressure gas can be used to remove dust.

2. FAULT CHARACTERISTICS AND POSSIBLE CAUSES:

FAULT CHARACTERISTIC	POSSIBLE CAUSE
The vehicle cannot start	• The controller has no power supply • The signal is not transmitted to the controller • The contact is bonded. • The motor or controller is damaged. • The phase sequence of the motor encoder is wrong or damaged • The motor or controller is in temperature protection state • The electromagnetic brake is locked
The vehicle only moves forward and cannot move backward or only moves backward and cannot move forward	• The direction switch is damaged, or the line is disconnected (CVT vehicle) • The insert on reverse contactor is loose (CVT vehicle) • The reverse contactor is damaged (CVT vehicle)
The maximum speed slows down	• The battery is about to run out • The accelerator pedal is faulty • The controller is faulty • Excessive load • The motor or controller is in temperature protection state • Abnormal motor encoder

2.4 BRAKE PART

1. Press the brake pedal with a force of about 66pf, and the pedal stroke shall not exceed 2/3 of the total stroke.
2. Regularly check and replace brake shoes and fill lubricating oil in the brake hub bearing.

2.5 LUBRICATION AND MAINTENANCE OF COMPLETE VEHICLE

1. The brake fluid used for ex-factory is 901 automobile brake fluid, and it is forbidden to mix and use different brands of brake fluid.
2. 85W/90 GL hypoid gear oil is used for gearbox and rear axle, and the filling amount is 27 oz.
3. Main lubricating points: The rack-and-pinion steering system is factory-greased and requires no routine lubrication. Inspect steering and suspension components periodically for wear or damage.

2.6 RUNNING-IN OF NEW VEHICLE

To ensure the use performance of the vehicle, improve the reliability of the complete vehicle and prolong the service life of the complete vehicle, the parts should be subject to running-in before the vehicle works at the maximum load. It is stipulated that the running-in period of new vehicle is one month or 621 miles, which should be carried out according to the following specifications:

- Only drive on roads approved and licensed by the municipality.
- Always check the fastening of connecting parts, and tighten them if they are loose.

PRECAUTIONS:

1. Check the wear of brake shoes every three months.
2. Check the electrical system connections monthly, especially high-current connections such as the battery, motor, and controller, and keep them in good condition.
3. As the electrical contact is not in good contact, it will heat up, so we should usually pay attention to the heating state at the contact point.
4. When changing the fuse, check whether the rated current of the new fuse is correct.
5. During maintenance and repair of the vehicle, in order to ensure safety, the positive and negative power cables of the battery pack should be removed.



6. During maintenance and repair of the vehicle, in order to ensure safety, the positive and negative power cables of the battery pack should be removed.

7. It is strictly not recommended to slam on the accelerator or inching the accelerator frequently, so as not to damage the accelerator and shorten the service life of the electronic control gear.

8. Drive safely. It is not recommended to drive at high speed when going downhill. Slow down when turning, and remind passengers to pull handrails when turning and going downhill to avoid safety accidents.

9. Children should always sit in the middle seat position, wear a seatbelt at all times, and be supervised by an adult to help prevent falls or injury.

10. Fuse Location: Plug-in accessory fuses are centrally installed in the fuse box on the left side of the car. There are six fuses for the DC system and six fuses for the AC system. One bayonet main fuse is installed on the lower controller moutning plate rear seat.

11. Please conduct regular maintenance according to the table below and next page:

ITEM	MAINTENANCE CONTENT	DAILY INSPECTION	WEEKLY INSPECTION	MONTHLY INSPECTION	QUARTERLY INSPECTION	SEMI-ANNUAL INSPECTION
BATTERY MAINTENANCE	Charge (daily)	✓				
	Cover the battery tightly during charging	✓				
	Fasten the battery pole nut		✓			
	Prevent the battery from over-discharging (the voltmeter is still on when it indicates the red area)	✓				
	Check whether the battery is fully charged. **METHOD:** a. Look at the charger indicator b. Measure specific gravity c. Look at the voltmeter	✓				
CHARGER	Observe the working condition of the charger and check the heating condition of the charger socket	✓				
	Remove the dust from the shell. No water is allowed to enter.		✓			

ITEM	MAINTENANCE CONTENT	DAILY INSPECTION	WEEKLY INSPECTION	MONTHLY INSPECTION	QUARTERLY INSPECTION	SEMI-ANNUAL INSPECTION
ELECTRONIC CONTROL GEAR MOTOR	Fastening of each connection point (NOTE: it should be carried out in power-off state)			✓		
	Clean up external dust. Whether the plug pin is loose.				✓	✓
	Check whether there is water entering and check the heating condition.	✓				
	The electromagnectic brake fails to lock					✓
	Whether the accelerator pedal is flexible and reliable and reset	✓				
	Wear of brake drum and friction plate, and adjustment of hand brake				✓	
	Brake hoses and pipes (oil leakage and damage)			✓		
	Brake fluid (liquid level, with or without leakage)			✓		
	Tires and clamp nuts (tread wear, air pressure, tightness of nuts)		✓			
	Shock absorber (oil leakage, inelasticity and abnormal noise)			✓		
	Drive shaft bolts (fastening)			✓		
	Change the oil of the rear axle gear		Change the oil of a new vehicle once a month or per 621 miles, change the oil for the second time after two months, and then change the oil every six months			
	Front and rear suspension (tightness, abnormal noise, rupture) and toe-in adjustment				✓	
	Clean the surfaces of vehicle body, seat, motor and controller	✓				
	Road Test	Road test must be carried out after each maintenance operation to observe the condition of each part				

Storage

When electric vehicles are not used for a long time, they should be stored in a cool, dry and ventilated environment according to the requirements of electrical products to prevent sun, rain, dust, etc.

To help maintain battery health, keep the cart plugged in and charging while not in use.



After-Sales Service

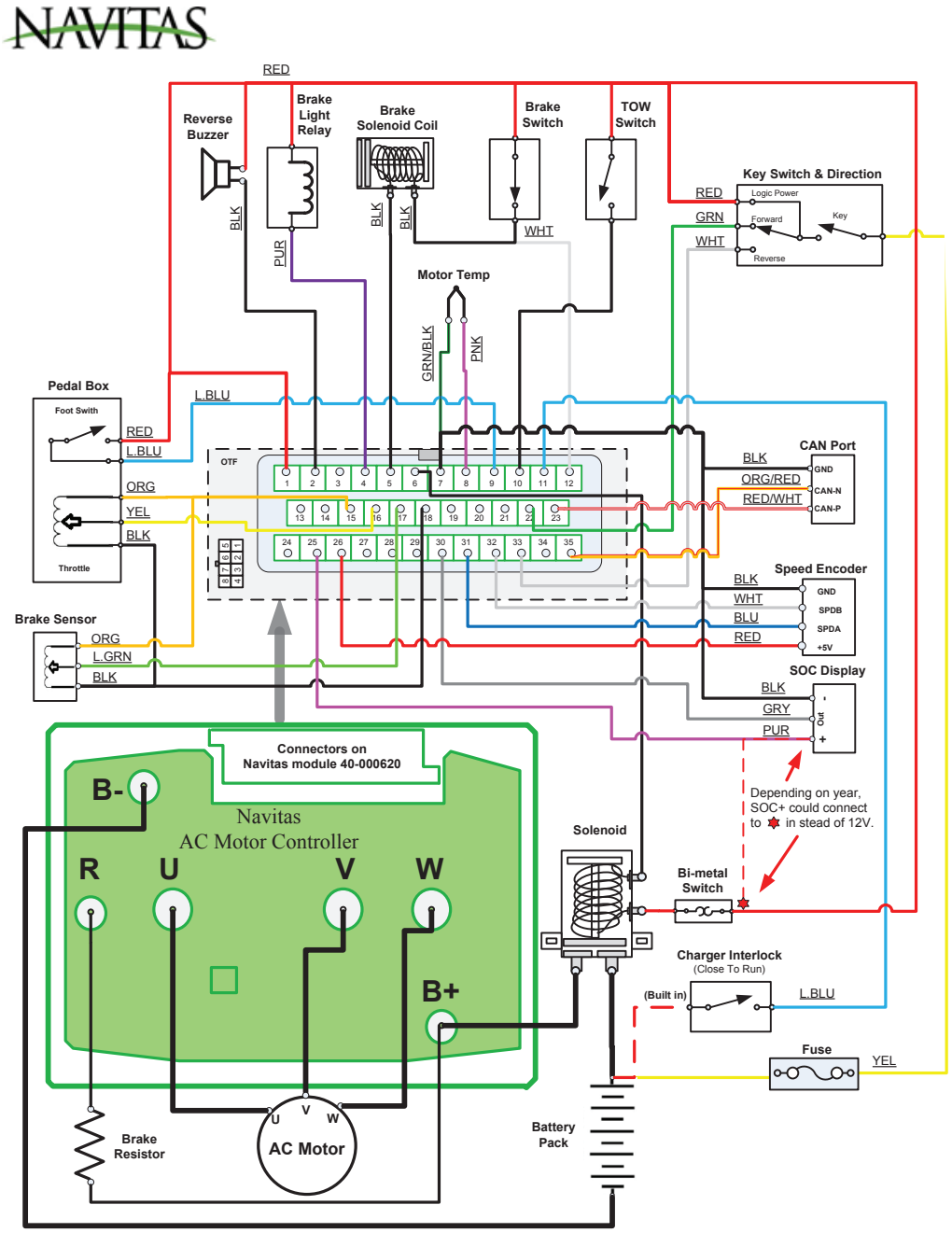
Thank you for choosing our Conquest Carts. In addition to products, you will also receive technical support and services provided by our company. Our service technician is to provide you with fast and professional technical services. **Contact your local Conquest Cart Dealer.**

WARRANTY PROVISIONS

1. **Please review our warranty statement provided at time of sale.** It refers to that for non-human (use or improper operation and maintenance) failure or damage of parts (loss of use function) within the specified use conditions and time limit, our company will repair or replace the corresponding parts for users free of charge to ensure the normal operation of the vehicle. Please understand that the parts replaced within the warranty period will not be returned to the users.
2. **Warranty period:** The complete vehicle is guaranteed for 3 years (except quick-wear parts).
3. **Warranty conditions:**
   - **All parts must be original parts of our company and within the warranty period.**
   - **There is no warranty under the following circumstances:**
     - Damage is caused by the users' failure to use according to the instructions or improper storage.
   - Parts damage is caused by disassembly and maintenance of users.
   - Parts damage, parts theft or loss is caused by natural disasters and accidents.
   - Quick-wear parts are not covered by the warranty, such as bulbs, fuses, brake pads, glass products, connectors, tires etc.
4. **Determination of warranty period:** Valid user warranty and copy of purchase invoice are used as vouchers. If the above vouchers cannot be provided, the Company will calculate the date with the product ex-factory number.



Line Assembly Drawing



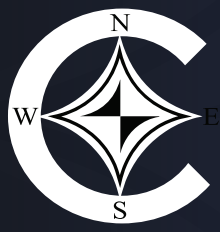
Without the written consent of the Company, the Operating Instructions shall not be duplicated, translated or extracted.

The Operating Instructions are as comprehensive and detailed as possible in texts, pictures and parameters on the basis of existing data; however, the actual configuration and function of users' vehicles are subject to the specific delivery. The Company will continue to change various models, and may change at any time, so the Company has the right to modify and supplement the relevant versions of the Operating Instructions. If users have any doubt about this, please call the customer service hotline in time for consultation.

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Scan the QR code with your phone to visit our website for additional information, and helpful resources from Conquest Carts.



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