

OPERATION MANUAL

Overview of Recreational Electric Vehicle

This recreational electric vehicle is the modern means of transport developed and manufactured to meet the needs of urban users at home and abroad. It adopts advanced production technologies and parts in China, highly adaptable, easy to operate, solid and durable, novel in style and simple to drive.

The vehicle is also known as the means of transport for the elder and proves to be the ideal choice for the elder and the special to drop in and move around. It is designed with more human-oriented configurations for special population and has four specialist functions of recreational vehicle:

- 1.Voice enabled reversing;
- 2.Buffered soft start;
- 3.Low-speed gear regulation;
- 4.Rear brake parking.

In the course of development, inspired by the motorcycle design concept, we focus on the stability and stability of complete vehicle, as well as harmony of the appearance, which make users safer and more comfortable in the operation. The vehicle is equipped with automotive differential rear axle, brushless motor and front & rear hydraulic shock absorbers. It runs more stable and is the ideal means of transport featuring efficiency, environmental protection and energy saving.

Thanks for your choosing this recreational vehicle, and may you have
a pleasant driving experience!

Daily Inspection and Adjustment

For driving safety, the user shall take note of the following important items:

1. Inspection and Adjustment of Brake System
 - a. Do the right and left brake levers function well? Is the power supply automatically cut off when a brake is applied?
 - b. When driving at the top speed on the road, the vehicle shall safely stop in a distance of 5 meters after the emergency braking; if the brake distance is too long, the brake shall be adjusted; if the brake pad is worn, then replace it as appropriate.
 - c. Do the front and rear wheels unloaded rotate normally with the power supply not put through? Is there any friction resistance?
 - d. Adjust the brake system by adjusting the set screws on the brake drum cover to the extent that the brake lever is 1/2 gripped. Note: The gripping force varies with individual persons and the inspection shall take the Point b as the basic standard.
2. Inspection and Adjustment of Other Safety System
 - a. Is the pressure of front and rear tires normal? Inflate timely if the pressure is inadequate.
 - b. Do the left and right turn signals and the tail light work properly?
 - c. Does the power-off brake lever work properly?
3. Cautions during the Driving
 - a. Does the vehicle get off smoothly? Do you have the feeling that the driving speed is sometimes slow and sometimes high?
 - b. Does the handle turn freely and easily?
 - c. Are the front and rear brakes flexible and reliable? Is there any abnormal sound when the front and rear wheels are rotating?
 - d. Do the turn signals, horn, headlight, tail light and instrument light work properly?
 - e. Is the pressure of front and rear tires adequate?
 - f. Do the fastening screws, bolts and nuts throughout the vehicle become loose?
 - g. Is the free travel of front and rear brake cables is appropriate?
Note: Make replacements immediately in case of any abnormality.
4. Simple Adjustment of Complete Vehicle
 - a. The vehicle should be able to be braked when the brake lever is 1/2 gripped.
 - b. Maintain appropriate air pressure of tires (standard pressure: 300kpa(3.0kpa/cm²)).

Safe Riding Precautions

▼ Precautions

1. Strictly observe traffic rules, do not cut in on the queue and do not drive on nonmotorized vehicle lane;
2. The recreational vehicle has the same rated capacity as the bicycle and electric bicycle, and hence it is not allowed to carry another adult (except a child);
3. The vehicle shall not run with the handle carrying a load so as to prevent loss of control resulting in accident;
4. Only the poncho could be used when riding in the rain. Holding up an umbrella is not allowed and operating the vehicle with a single hand is forbidden.
5. Never wash the vehicle with water directly during the cleaning and the use of high-pressure gun is forbidden to avoid electric items being shorted due to moisture;
6. Over-speeding on the downhill is forbidden and never apply the brake with a single hand or all of sudden while driving at high speed to avoid risk due to the forward shifting of gravity center;
7. Any unauthorized dismantlement may bring about hazard and risk to your vehicle;
8. Before riding, be certain that wheel fasteners and etc. are secure and reliable to prevent accidents;
9. Avoid driving on bumpy, muddy, cobbled and step-like roads to prevent damage to your vehicle in case of a flat tire and distorted rim, resulting in risks.
! Note: the brake distance advance shall be increased when you are riding in the rainy or snowy days.

Key Points in the Operation of Recreational Electric Vehicle Functionality of Control Parts.

The structure of control parts are shown above and each part has the following functions:

1. The left brake lever is the lever for rear brake and brake power-off control switch. Gripping this lever will allow the rear brake to function and the rear wheel will stop, here the brake light will turn on and the voltage from controller output to the motor is reduced to zero, the motor will stop working to realize double safety of rear wheel braking.
2. For the light switch(headlight and dimmer switches), when driving in the evening, firstly set this switch to the first-gear position, both the instrument light and tail light will turn on; then set the headlight switch to the second-gear position, both high beams and low beams can work.
3. High- & low-beam light switch can switch between the weak and strong, between the high and low, of headlight beams; at H1 position, the beam irradiates upwards, this is the high beam with strong density; at L0 position, the beam irradiates downwards, this is the low beam with weak density. Note: For safety reason, when there is an oncoming vehicle at night, it is necessary to set the dimmer switch to the L0 position.
4. The turn signal switch is the signal light switch which is used when you are turning right or left and are changing your lane. When it is set to the R(right) position, both front and rear turn signals on the right side flash, signaling a right turn. When it is set to the L(left) position, both front and rear turn signals on the left side flash, signaling a left turn. The middle is the Off position and simply pressing the switch inward will allow it to return to its original position.
5. The speedometer in the instrument cluster is the device showing the driving speed(unit: km/h) and the distance traveled. The energy meter shows the voltage level of battery, with the pointer at H position meaning a high level of energy and at L position meaning a low level of energy. The pointed lamp in the instrument cluster indicates the direction of turn or lane change when flashing and the lamp in the middle is the high- & low-beam indicator light.
6. The right brake lever(front brake lever) is the lever for front wheel brake and brake power-off control switch. When the lever is gripped, the front brake functions and the front wheel stops rotating. It is recommended to use both front and rear brake levers for emergency braking. Note: DO NOT use the front brake lever alone, otherwise your vehicle may skid.
7. The rearview mirror is used to check if there is pedestrian or other vehicle on the left and right sides so as to ensure driving safety at the time of turning (or overtaking).

8. The speed governor handle controls the high or low RPM of the motor, i.e. the speed of the driving. To accelerate, turn the handle towards yourself(inwards) gently, the more you turn, the higher the speed will be, and vice versa.

9. The master lock(electric lock) is the switch that controls the power supply of complete vehicle and the controller. The vehicle will not work until the lock is enabled. If the vehicle develops a malfunction or the speed governor handle can not control the speed of motor, then set the switch to the OFF position to prevent the vehicle from further working and to avoid safety accidents.

10. The horn switch is to sound the horn when it is pressed.

11. The parking lock functions to park the vehicle after stop. With the vehicle coming to a complete stop, gripping the left brake lever, holding upwards the parking lock and then releasing the left brake lever will allow the parking lock to get the parking results. If the shoe of rear brake is excessively worn, the parking lock may not perform well and it is necessary to adjust the rear brake.

12. The 3-speed switch(speed regulation switch) is designed for special population. When the switch is set to the low-speed mode, the driving speed is 9km/h, when it is set to the medium-speed mode, the driving speed is 15km/h and when it is set to the high-speed mode, the driving speed is 25km/h. Note: For safety reason, at the initial stage it is recommended to set the switch to the low-speed mode to avoid accidents!

13. The reversing switch functions to reverse the vehicle through rotation of the speed governor handle by setting the switch to the O position as needed. The reversing speed is limited to 5km/h.

14. The remote control switch(alarm switch) is optional as required by the user. It functions to remotely control to turn on or off the power of complete vehicle; refer to the alarm specifications for details.

15. The player's switch(MP3 player) is optional as required by the customer. It supports the access to USB flash drive and SD card. It can automatically identify files and music and also has the radio feature; refer to MP3 player specifications for details.

16. The player speaker is used with MP3 player for amplification.

17. The circuit breaker(in saddle support) controls the mains switch of electric vehicle and shall be set to the closed position when you are riding; for the battery charging, make sure to set the breaker to the OFF condition to avoid damaging the controller due to high voltage during the charging.

18. The charging receptacle(at the lower seat end of front cover) is the battery charging input socket of recreational vehicle. NEVER cover this socket with the receptacle cap to avoid contact of other conductor with charging pins, resulting in sparking accidents.

Proper Operation & Service of Light-duty Electric Vehicle

(I) Cautions for Use of the Vehicle

1. Insert the key into the power switch and turn it clockwise to start, at this moment the power and battery level indicators on the instrument cluster will turn on, indicating the connectivity of the power supply.
2. Turn the governor handle inwards slowly with your right hand after startup and accelerate gradually to drive. Slowly releasing the handle will reduce the speed and even switch off the power supply of electric motor. During the traveling, operate your vehicle at low speed on the nonmotorized vehicle lane.
3. The vehicle is designed with the brake power-off protection, i.e. the use of either left or right handle while driving will cut off the power of the motor for safe operation.
4. If the motor restart is required after stop, it is necessary to reset the governor handle in the first place and then slowly turn the handle to accelerate.

★ (II) Cautions for Use of Motor and Controller

1. When driving upwind or uphill, do not accelerate abruptly and the speed should be increased gradually to avoid overloading the motor and battery.
2. In rainy days, try not to drive your vehicle through the water with a level greater than the centerline of rear wheel, so as to avoid the motor and battery being wet, resulting in the burnt motor.
3. During the driving, do not operate both the governor handle and brake lever to avoid any damage to other parts due to overload of the motor.
4. The vehicle is not intended for runs on the bumpy or steep roads and any heavy vibration may lead to a poor contact of electrical parts. If any of those roads are met, it is best to drive at a low speed.

Notes:

1. With the safety ensured, reduce the braking frequency as practical as possible and avoid frequent starting.
2. Reduce the speed as low as possible when driving on a bumpy surface or muddy road or when the traffic is heavy.

Warning: 1. For driving safety and to protect the motor and battery, DO NOT turn the governor handle instantly to accelerate.

2. This vehicle is designed with a differential motor for rear axle and the differential is the gear combination that is usually called the gear box and needs lubrication with the gear oil, which should be changed every three months in the normal driving conditions.

★ (III) Cautions for Use of Battery

1. Technical Features:

Currently, the most commonly used batteries are the sealed serviceable lead-acid type which is an energy storage component of recreational vehicle, featuring big capacity, long life and good maintainability.

2. Battery is a Consumable Item.

The battery like the fuel tank for the car is the place where the energy is stored, however its difference from the fuel tank lies in the fact that its volume may be reduced as it is used, and in this connection the batteries are consumables. But this "reduction" or "deterioration" occurs at different speeds. Selection and proper use of quality battery, keeping the vehicle in good order, and particularly the use of efficient motor, will effectively suppress the deterioration of battery capacity.

3. Considerations in Proper Use of Battery

! Keep the battery fully charged at all times. It is better to charge the lead-acid battery to the full as appropriate, which helps to extend its service life. If the battery will not be used for a long time, make sure to store it fully charged and it shall be charged monthly. Never store the battery in an exhausted condition.

! Be noted to check if the temperature on the battery case is too high while the charger is charging the battery and if the charge indicator turns orange to green; if not, then switch off the power supply immediately and send the charger along with the battery to the service center for inspection.

! At low temperatures (below 15 C), the battery capacity is subject to natural deterioration of 20%~30% and the corresponding mileage range is reduced.

! When replacing a battery in the battery pack, NEVER mix the batteries of different parameters, otherwise the battery damage may be resulted in.

! DO NOT allow the battery to come into contact with a flame, heat source or alkaline material, and do not expose it under direct sunshine, otherwise its life could be reduced.

! The battery should not be charged immediately after the end of use in summer days due to high temperature. The battery is in the cold condition at the temperature below 0 C in winter, so its charging shall be conducted in the house.

Notes: There are three most important rules to keep adequate traveling range:

- (1) Drive at low speed as practical as possible. The working current of the vehicle is nonlinearly rising to the speed and both the range ability and the battery life are in reverse proportion to the driving speed, that is, keeping a good habit of driving at low speed is conducive to a prolonged life of the battery.
- (2) Keep the habit of frequently charging the battery as possible as case may be, to prevent the battery working in the under-voltage condition all the time and also to reduce the potential of exhausted capacity.
- (3) For vehicles with the low-speed range, use this range as much as possible. Traveling at low speed contributes to a better driving performance.

★ (IV) Cautions for Adapter and Battery Charging

1. Technical Characteristics of Charging:

The charger is equipped with hi-tech CPU IC inside and has the optimization programs for the charging mode of electric bicycle/vehicle batteries. It uses the random process control theory that may realize optimal charging where you are uncertain about the remaining level of capacity or the time for power supply disconnection at the end of the charging or whether the battery is fully charged

after each charging. In this smart charging mode, with the battery maintenance technique, the unattended on-line maintenance capability can be achieved, which can automatically restore the battery whose capacity is deteriorating or that has been long out of service to the optimal condition.

Notes:

- ! In the regions where the grid voltage is unstable, when the voltage fluctuation exceeds AC220V±20%, it is recommend to use an AC regulator with small power, otherwise the battery could not be adequately charged or the charger may fail.
- ! The charger does not need earthing.

2. Charging Method

The user is recommended to have the battery charged while it is in service where conditions permit. When the charger indicator turns green, it indicates the battery is fully charged and here it is in the float-charge condition, which requires no power cut-off. If the use of battery is necessary, the battery could also be used when the indicator is orange illuminated.

In the battery charging, NEVER turn off the air switch of mains supply on the vehicle. Insert the output plug of the charger into the charging receptacle on the vehicle body and then insert the power plug of the charger into AV220V power socket.

3. Charging Instructions

When the charger is connected to the mains to charge the battery, the charging status indicator remains red, indicating the battery is in the constant-current charging state. When the charger enters this state, the orange indicator turns on, indicating the battery has been 90% charged. When the indicator alternates flashing green and orange and then changes to the steady green about 1 hour later, it indicates the battery has been 100% charged basically; any further charging will enable the on-line maintenance, capacity preservation or restoration. If the charging is continued at the end of maintenance, the charger will perform the micro-current supplement to the battery and the further charging will return the process to the on-line maintenance step.

! To facilitate ventilation and heat dispersion, it is forbidden to put any item onto the charger and battery case during the charging.

! When carrying the charger, remember not to subject it to rough bumps or impact, otherwise damage may be easily resulted in.

4. Other Important Information

! The charger shall be protected against liquid or metal chip ingress during the use and storage to avoid damaging the charger due to internal short circuit.

! The charger may generate certain heat while in operation and the user shall never put flammable materials at the bottom of the charger, such as flammable plastics or foams. Never cover the top and sides of the charger. Use the charger in a well ventilated place. If, during the charging, you smell an odor or notice a high temperature(above 65℃) on the charger case, then stop charging immediately and send the charger to the service center for treatment.

! The battery's on-line maintenance needs a little longer charging time as appropriate. The user may conduct the on-line maintenance for the battery at the right time and at right intervals and a long-time charging once a week may achieve better results.

! For battery products from different manufacturers and in different seasons(working temperature also varies), the on-line maintenance charger has the adaptive feature. With this feature, the charging voltage is regulated automatically to ensure the battery is fully charged without battery damage. In addition, it contributes to the slow deterioration of battery capacity and effective extension of its service life.

• Tips

! In the case of failure of the charger or battery, the charger indicator is likely not to change its color for a long time (usually more than 12 hours) and remains red all the time and the battery produces a plenty of heat, then stop the battery charging and send it to the service center for inspection.

! For operation and other cautions about on-line maintenance charger, refer to the instructions for the charger.

★ (V) Inspection and Maintenance

Inspect● Adjust○ Replace▲ Lubricate△

Inspection Items	Daily	Every 60 days	Every 180 days
1. Inspect if rotating and steering parts of the handle become loose or worn.		●△	
2. Inspect if the tire pressure is appropriate and tire shoe is worn.	●		
3. Inspect if the rim swings or is distorted.		●	●
4. Inspect if the gearbox oil has been replaced.		●	●
5. Inspect if the brake is good.	●	●○	●○
6. Inspect if the horn sounds well.	●		
7. Inspect if the charger and cables are worn.	●		

Recommended lubricating oil: (1) Hydraulic oil #HL68. (2) Calcium base grease #2. (3) Differential gear oil.

★ Depending on the use, front shaft, rear shaft, shock absorbers, rotating pivots and other components shall be cleaned and lubricated every 6~12 months. Drive parts in the motor hub have been applied with special lubricating oil and there is no need for users to do cleaning and lubrication by themselves.

★ Service and maintenance of motor hub, controller, display unit and other electronic parts shall be conducted by designated service center, and any malfunction or damage due to unauthorized disassembly will not be covered by our warranty.

After-sales Service Notice

Dear users:

Thanks for your choosing our recreational electric scooters/electric cleaning vehicles.

In accordance with the provisions of the Law of the People's Republic of China on Protection of Consumer Rights and Interests and with reference to the Document No. 53 [1996] is used by the China State Bureau of Technical Supervision, we have established specific rules for after-sales services of our products based on the characteristics of electric bicycles/light-duty electric vehicles. In order to concretely protect legitimate rights and interests of consumers and to improve the civil liability system with respect to the product quality, you are kindly asked to keep this service card properly, which will not be reissued if lost. Consumers will receive respective services from their distributors or their designated service offices against the service card and vehicle purchase invoice.

★I. Warranty

1. When purchasing a vehicle, be sure to check the vehicle on the spot and you have the right to ask the sales staff to provide valid and effective documents and service card, as well as detailed address and contact phone number of the repair organization.
2. After the purchase, you should carefully read the instruction manual, especially the red parts, to know how to correctly use it and precautions for daily maintenance. If your electric bicycle/light-duty electric vehicle is offered to others for use which are unfamiliar with operation rules, you are supposed to give them explanations to avoid any unexpected damage. Do not offer your electric bicycle/light-duty electric vehicle to the minor, the pregnant or the disabled.
3. The user shall correctly use and operate the vehicle according to the instruction manual. In the event of performance failure due to the manufacturing quality, we will perform the three-guarantee obligation (for repair, replacement or compensation of faulty products) in accordance with the provisions of the Law of the People's Republic of China on Product Quality, the Law of the People's Republic of China on Protection of Consumer Rights and Interests and the Regulations on the Liability for the Repair, Replacement and Return of Some Commodities with respect to the three guarantees, and according to in-house regulations on three guarantees.

Typical Troubleshooting

Typical Troubles	Troubleshooting
With power On, instrument cluster displays nothing.	1. Check if the key switch is turned on; 2. Check if the power plug is properly connected; 3. Check if the relay switch is turned on.
With power On, controller works normally, motor does not rotate when the handle is turned.	1. Check if the speed governor cable of right-hand handle falls off and if controller or motor connections fall off; 2. Additional force is needed since initial speed is not good; 3. Check left and right brake handle switches for power failure.
Hard riding, low speed	1. Check if the brake is locked; 2. Check if the tire pressure is appropriate; 3. Check if the battery voltage is adequate, and charge if inadequate; 4. Check if the gradient limit is exceeded or if ride is against the wind.
Short traveling distance	1. Battery has been long out of service, recharge at first; 2. Check if the tire pressure is adequate; 3. Check if the brake is over-tight; 4. Check if the battery charging is adequate; 5. Check if the ride is uphill or unwind; 6. Check if ambient temperature is too low.
No charging occurs	1. Check if the connections from charger to the mains and battery are good and reliable; 2. Check the external power source for electric energy and normal voltage.

★ II. Scope of Warranty: see the table below.

Warranty Periods of Main Repair Parts

Name of Part	Quality Problem	Warranty Period	Service Type
Frame, front fork assembly	Broken	1 year	Free repair
Front fork assembly, fender	Large-area paint peeling	3 months	Free repair
Front and rear wheels	Air leak	3 months	Free repair
Front and rear shafts	Heat treated parts damaged or broken	3 months	Free repair
Controller	Malfunction	1 year	Free repair
Governor handle, display unit	Malfunction	3 months	Free repair
Motor, rear axle	Shell cracked, welds falling apart	1 year	Free repair
Battery, charger	Shell cracked, fluid leakage	Consult	Buyer
Notes:	<ul style="list-style-type: none"> ★ The forgoing excludes the human factors. ★ For models configured with 500W motor, the warranty period of the battery is 6 months. ★ For models configured with 48V 20AH motor, the warranty period of the battery is 6 months. 		

★III. Circumstances and Items Uncovered by the Warranty

1. Troubles due to user's failure to carry out the operation, maintenance or adjustment as specified in the Instruction Manual.
2. Damage due to user's alternation or disassembly and repair without permission, as well as failures arising from noncompliance with the instructions for use.
3. Failures due to user's improper keeping or caused by accidents.
4. There is no warranty card, or the documents or cards do not match with the products.
5. Wearing parts and consumables are not within the scope of "three guarantees".
Wearing parts: plastic parts, rubber parts, tire shoes, inner tubes, meters, bulbs, brake pads.
6. When making a purchase, please identify the quality of appearance and the damage to the appearance after use will not be covered by the warranty.
7. Parts damaged due to unauthorized disassembly beyond the scope specified in the instruction manual.
8. Damage caused by repairs without consent of authorized repair organization.

★IV. Rules for Warranty

1. For failures not covered by the warranty and main parts beyond the warranty period, we will still be responsible for their repair, subject to charges at our discretion.
2. The sole right to interpret the service card shall vest in Tongli.

★V. Special Notice

- ① The illustrations contained in this manual only serves as explanatory schematics for operation and shall not operate as the basis of product inspection;
- ② The graphics contained in this manual may differ from products and shall be subject to the actual styles for sales;
- ③ For improvement of product performance, we reserve the right to make changes without further notice.



T409 Specification

Model number	T409
Motor power	500w/650w/1000w
Dimensions	1950x690x1100mm
Wheel base	1475mm
Min steering diameter	<= 3m
Runing distance	50-55km
Rated loading	150kg
Capacity of battery	20A
Rated volte	48V/60v
Motor type	Brushless
Rated output torque	16N.m
Rated currency	15A
Rated climb capacity	20 degree
Rated input volte	220v
Charging time	6-8h
Braking distance	3m
Operating volte of lights	12v
Diameter of wheel	300-10
Net weight	112/136KG
Packing	Iron cage Cargo box
Packing size	1820x770x800mm
20GP container	18pcs
40HQ container	57pcs

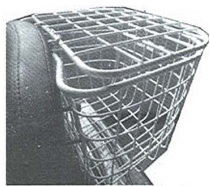
Additional equipment



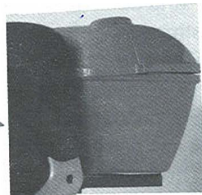
Drum brake



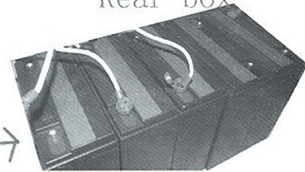
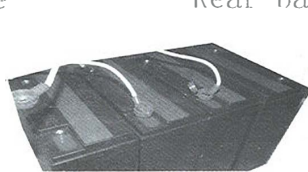
Disc brake



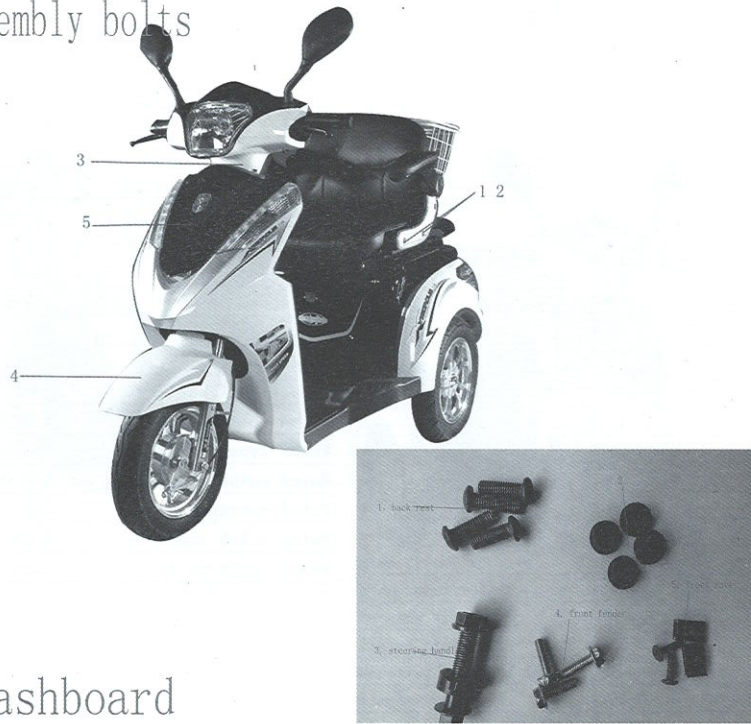
Rear basket



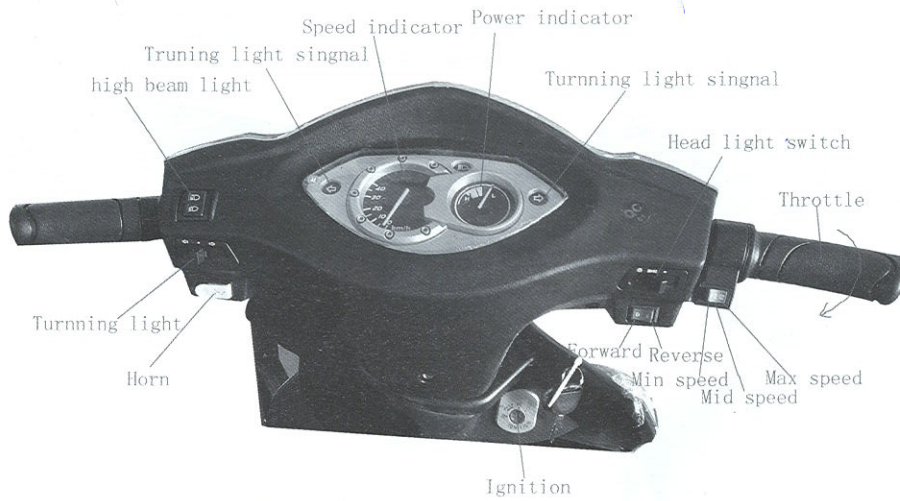
Rear box



T408 Assembly bolts

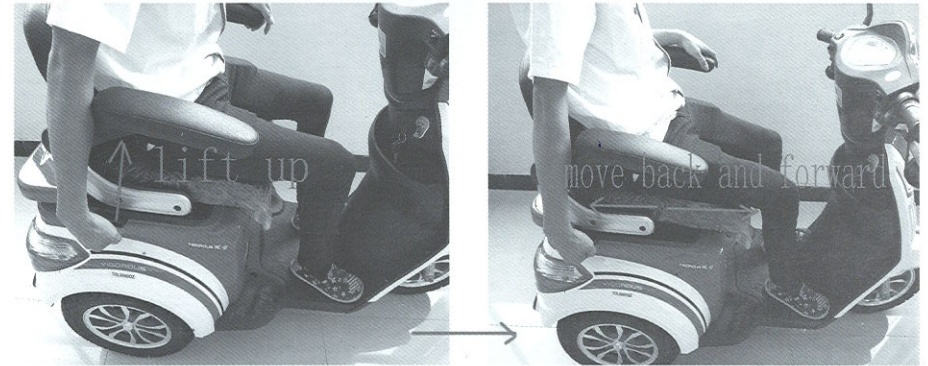


T408 Dashboard

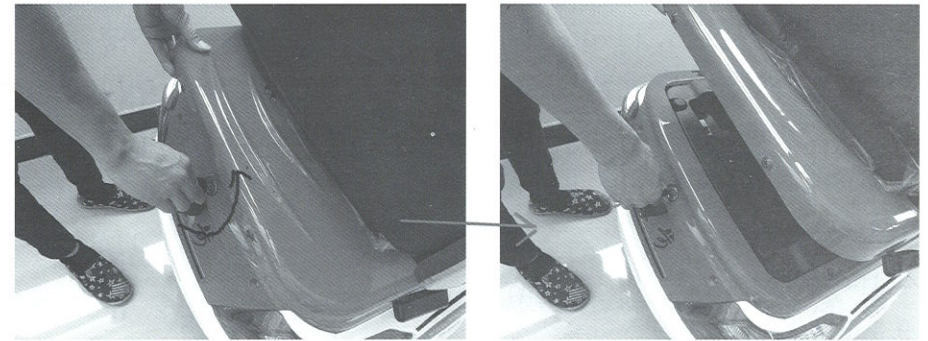


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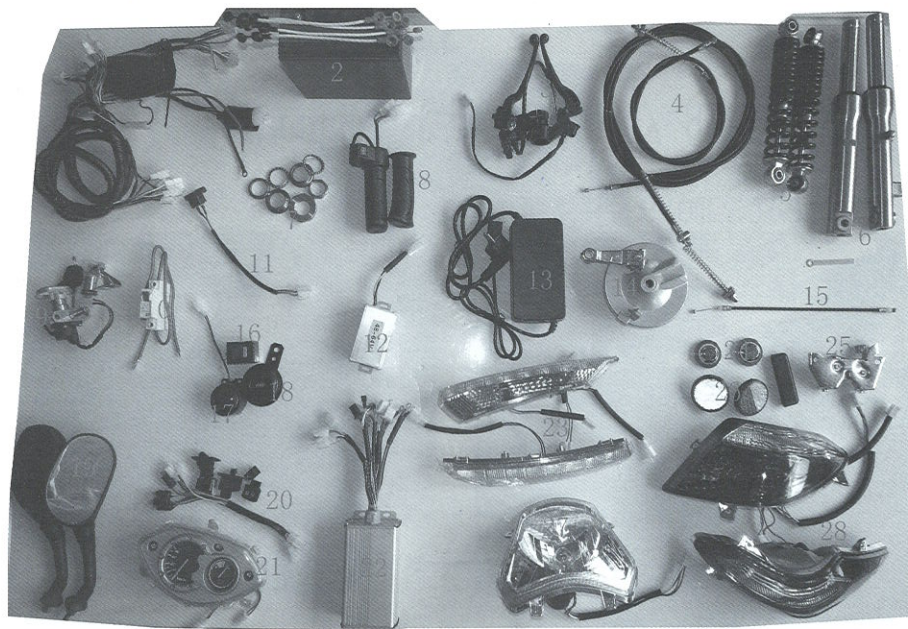
(1) Seat: move forward and back



(2) Open the seat



(1) T408 Spare Parts



- | | | |
|---------------------------|-------------------------------|--------------------|
| 1, Cable | 12, convertor | 23, LED light |
| 2, battery | 13, charger | 24, cover of rims |
| 3, hand brake | 14, cover of front drum brake | 25, seat lock |
| 4, front/rear brake cable | 15, cable of seat lock | 26, rear reflector |
| 5, rear shock absorption | 16, flasher | 27, head light |
| 6, front shock absorption | 17, horn | 28, tail light |
| 7, steel bowl | 18, reverse horn | |
| 8, throttle | 19, rearview mirror | |
| 9, ignition and key | 20, switch | |
| 10, electric cutter | 22, controller | |
| 11, charger socket | | |

(2) T408/9 p

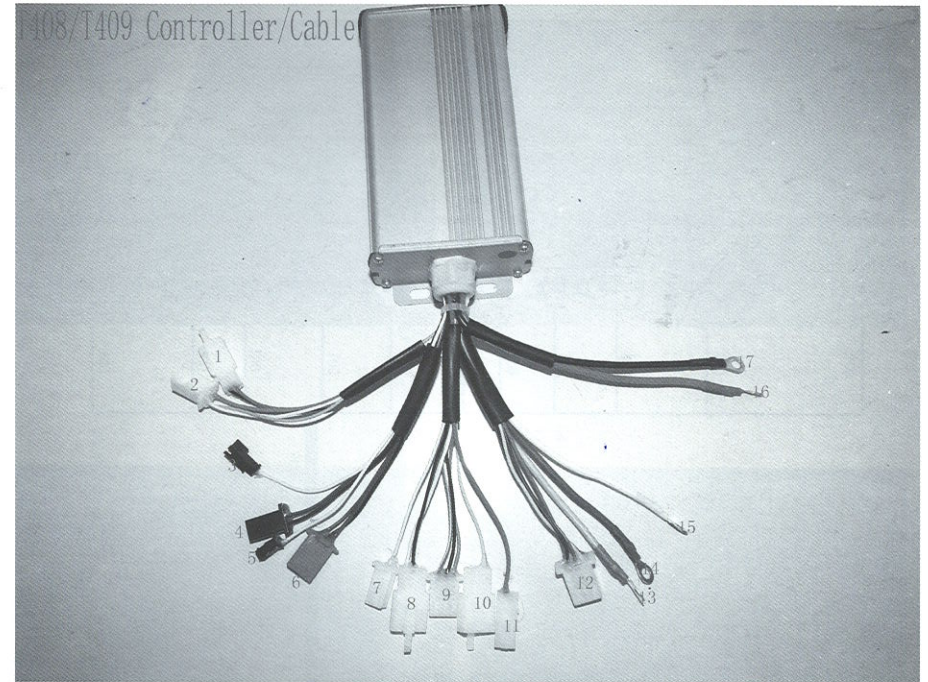


- | | |
|--------------------------|--|
| 1, rear body parts | 10, cover of front seat for T409 (double seat) |
| 2, cover of head | 11, bottom black part of front windscreen |
| 3, front decorating part | 12, footboard |
| 4, front panel | 13, cover of dashboard |
| 5, front body part | 14, upper black part of front windscreen |
| 6, rear seat cover | 15, black box under seat |
| 7, front fender | |
| 8, front windscreen | |
| 9, black part | |

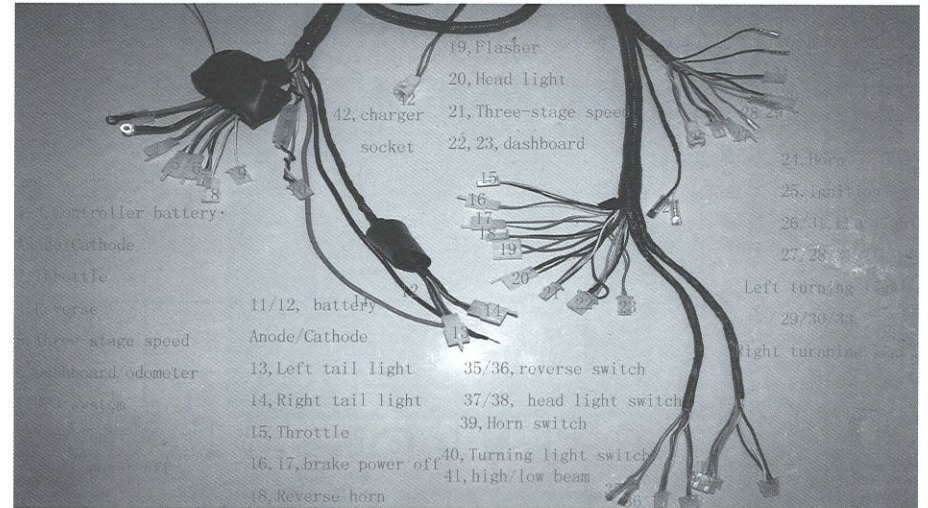
(4) T408/9 Iron parts



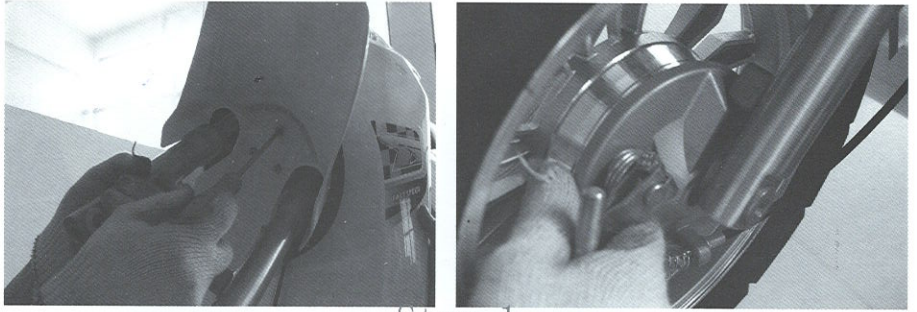
- | | |
|--------------------------|----------------------------|
| 1, seat backrest | 15, frame |
| 2, front seat of T409 | 16, seat moving slip |
| 3, armrest of front seat | 17, rear support for motor |
| 4, front seat backrest | 18/19, seat support |
| 5, front seat support | 20, rear axel |
| 6, seat | 21, motor/engine |
| 7, seat armrest | |
| 8, front/rear tire | |
| 10/11, front/rear rim | |
| 12, direction colume | |
| 13, steering bar | |
| 14, strip for battery | |



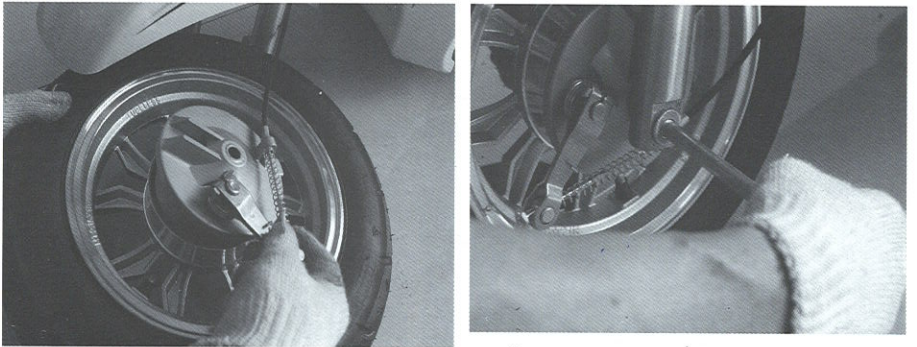
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|------------------------|-----------------------|----------------------|--------------------------------|
| 1, 2, alarm system | 6, three-stage speed | 9, Throttle | 12, Hall sensor |
| 3, 5, speed limitation | 7, dashboard/odometer | 10, low level signal | 13, 14, 15 Motor phase line |
| 4, reverse | 8, high level signal | 11, Ignition | 16, Battery /Anode 17, Cathode |



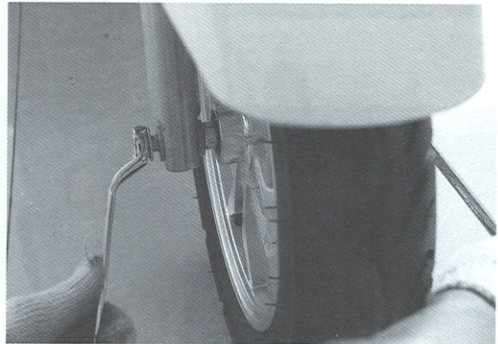
- | | | | |
|-----------------------|-------------------------|----------------------------|---------------------|
| 1, Controller battery | 11, 12, battery | 19, Flasher | 24, horn |
| 2, Anode/Cathode | Anode/Cathode | 20, Head light | 25, ignit |
| 3, Throttle | 13, Left tail light | 21, Three-stage speed | 26, 31, 32 |
| 4, reverse | 14, Right tail light | 22, 23, dashboard | 27, 28, 29 |
| 5, three-stage speed | 15, Throttle | 24, charger socket | Left turning light |
| 6, dashboard/odometer | 16, 17, brake power off | 25, 26, 27, 28, 29, 30, 31 | Right turning light |
| 7, alarm system | 18, Reverse horn | 35/36, reverse switch | |
| 8, Reverse horn | | 37/38, head light switch | |
| | | 39, Horn switch | |
| | | 40, Turning light switch | |
| | | 41, high/low beam | |



Step 1
1 front fender



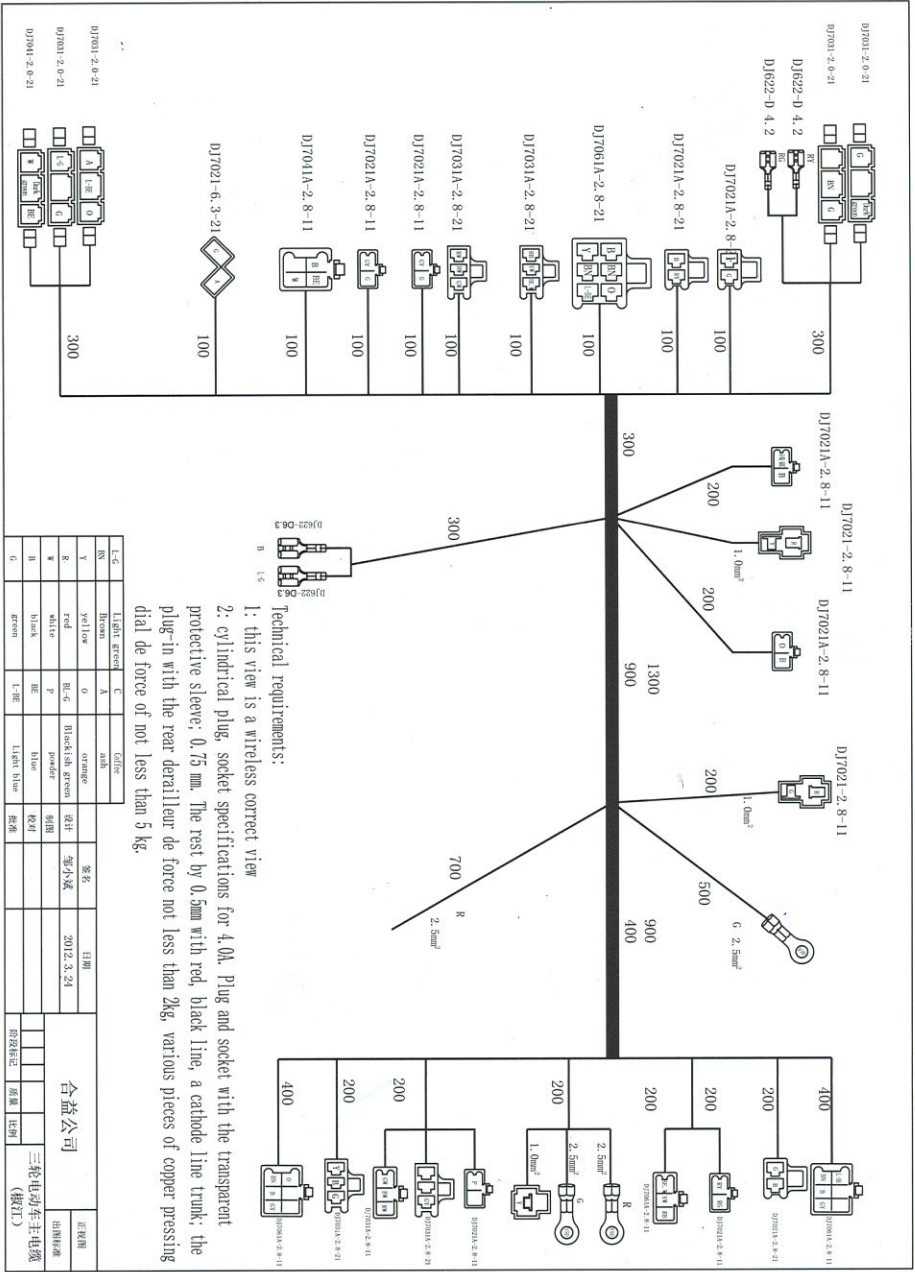
2 hub brake



3

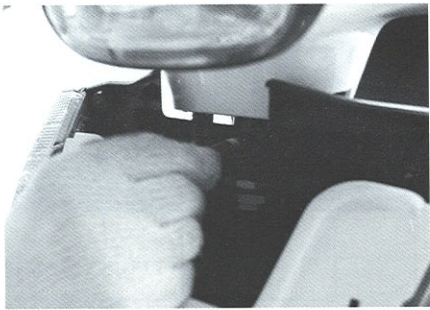
3

4



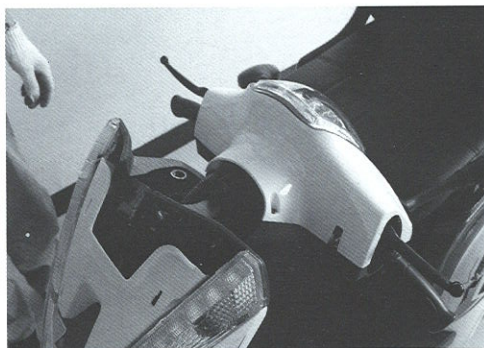


1

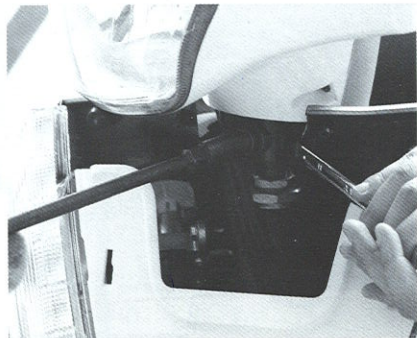


4

TAKE THIS PART OFF FIRST



2



5



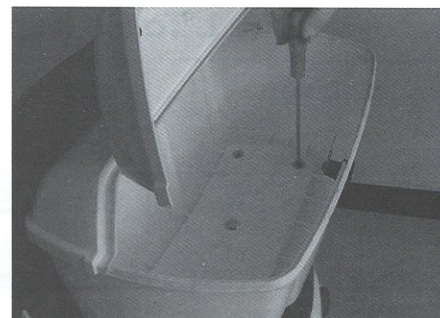
3



6



1 Front panel



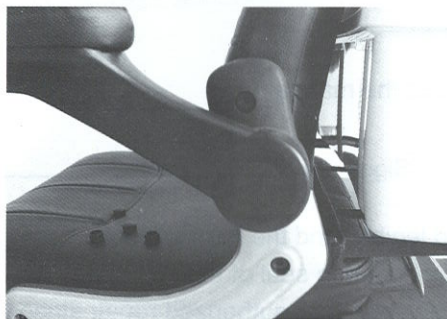
4



2



5 rear cargo box



3

Notice: cargo box's bracket was between the backrest and the aremrest



6, rear basket

After-sales Service Card No.: _____

I. To Be Kept by the User

Distributor	Vehicle SN	Motor Hub SN
Controller SN	Battery SN	Charger SN
Model/Spec.	Color	Frame SN
Name of Customer	Tel. Number	Date of Purchase
Address:		User's Signature
Distributor's Add./Tel. No.:		
Service Station's Add./Tel. No.:		

Stamped by Distributor: _____

Completed by(signature): _____

It is verified that the user has carefully read the manual
(in particular, the red parts).

Signature: _____

Please fill out the form above clearly and legibly, and the form will not become effective until it is affixed with the common seal of the distributor. If the guarantee work is needed, please visit your local authorized repair station with this card and the purchase invoice. If there is no such repair station, please contact your distributor or directly contact our after-sales service department.