



**Quadriporteur CONNECT**  
Instructions d'utilisation et d'entretien

**Impact I.S. Design Inc.**

Address: 1123 Rue Marie-Victorin, Ville Saint-Bruno, Québec,  
Canada Tél.: (450) 635-0002 1-800-361-7085

Please read this instruction carefully before use and keep it  
properly for future reference.

A yellow rectangular banner with a white arrow pointing to the right, containing the word "Preface" in a bold, black, sans-serif font.

## Preface

Dear user friends, thank you very much for choosing CONNECT ECOLO-CYCLE. We sincerely hope that our products and services can satisfy you.

In order to enjoy a safer and more enjoyable driving effect, you must be familiar with the contents of this manual before driving. Your personal safety depends not only on your vigilance and familiarity with various operating technologies, but also on your familiarity with the mechanical performance of CONNECT ECOLO-CYCLE. Before driving every time, it is the most basic condition to have regular inspection and maintenance.

This manual describes the correct operation methods, simple maintenance methods, essential parts, etc. of CONNECT ECOLO-CYCLE for long-lasting use. If some technical specifications of this vehicle change, causing the pictures or contents of the manual to be different from the actual situation of the vehicle, please understand and the company reserves the right of final interpretation.

I wish you a pleasant ride and thank you again for purchasing the CONNECT ECOLO-CYCLE.

Dear user, for the happiness of you and your family, please read this user manual carefully, especially the "safety warning", "red font", "prohibition, danger", "warning" and "caution" listed in this user manual, which must be strictly followed. Be sure to focus on the following items on this page.



**Be careful**

Please observe the traffic law and drive according to the local traffic rules. To ensure personal safety, the following personnel are prohibited from driving.

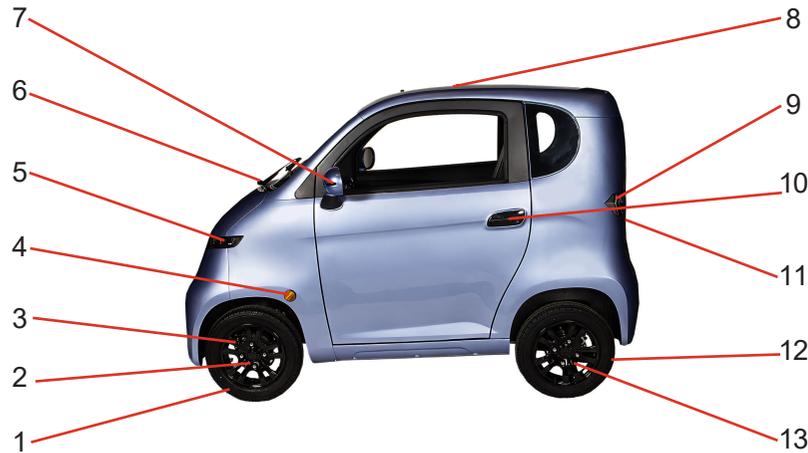
1. People with mental illness or with a history of mental illness.
2. Heart patients
3. Deaf mute
4. Drunken, drunken or heavy drinker.
5. Other disabled persons who are not suitable for driving.
6. And minors.

## Catalogue

I. Partial drawing of vehicle and instructions .....	1
II. Operation guidance.....	6
III. Battery and charger.....	10
IV. Maintenance.....	12
V. Vehicle storage.....	18
VI. Vehicle Identification.....	19
VII. Main technical data.....	20
VIII. After sales service matters.....	21

## I. Partial vehicle drawing and operating instructions

### 1.1 CONNECT diagram



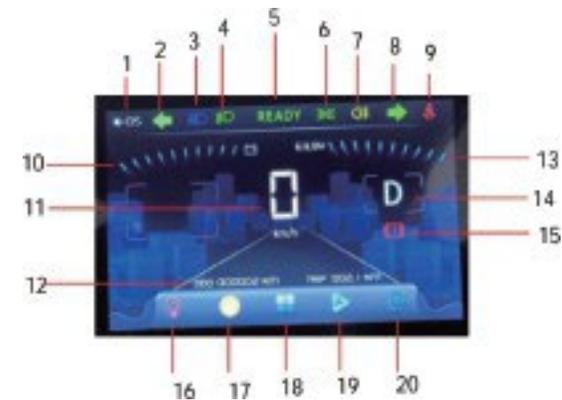
Structure diagram

The pictures are for reference only, and specific matters should be subject to the actual object

Serial No.	Name	Serial No.	Name
1	Front wheel	8	skylight
2	Front hub	9	Taillight
3	Shock absorber	10	Door handle
4	Side reflector	11	Charging port
5	Lighthouses	12	Rear wheel
6	Wiper	13	Rear hub
7	Mirror		

### 1.2 Instruments and indicator

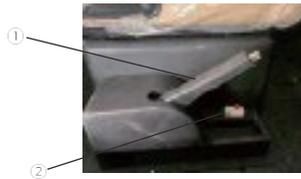
- |   |   |
|---|---|
| (1) Multimedia volume   | (11) Vehicle speed  |
| (2) Left turn signal  | (12) Vehicle mileage record, total mileage ODO. TRIP Mileage for a single trip. |
| (3) High beam on indicator  | (13) Battery voltage real-time display  |
| (4) Low beam on indicator   | (14) Gear display: R-N-D  |
| (5) The vehicle has been started successfully and can start at any time | (15) Parking brake indicator  |
| (6) Position light on indication  | (16) R(16) Radio function keys  |
| (7) Rear fog light ground position light well                           | (17) MP3 playback function key  |
| (8) Right turn signal.  | (18) Instrument function adjustment button                                      |
| (9) Seat belt dummy refers to trunk lamp                                | (19) Video playback function key  |
| (10) Battery indicator  | (20) Bluetooth function keys  |



(图1)

### 1.3. Seat cushion function display

- (1) The handbrake lever can control the brake and complete the parking function. tion by lifting handle (1) upwards.
- (2) Press (2) of the air switch to turn on/off the main power supply of the vehicle body.



(Graphique 2)

### 1.4 Button

- (1) Start the vehicle: press the brake and hold the switch for 2 seconds.
- (2) To turn off the vehicle: press directly
- (3) Blue opening: If the indicator light is on for a long time, it indicates a normal start; if the indicator light flashes 2 times, it indicates that the brake is not pressed; if the indicator light flashes 5 times, it indicates that the remote control is not unlocked.



(Graphique 3)

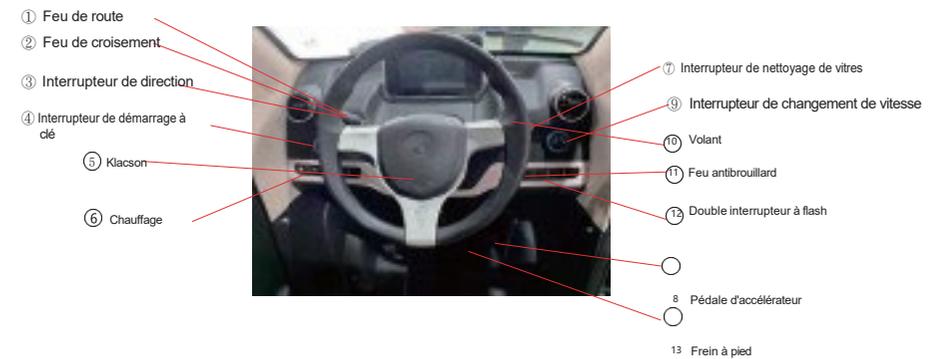
### 1.5. Detailed explanation of how the vehicle works

- (1) High beam: when the button is in the position "≡D", the high beam lights up.
- (2) Low beam: when the button is in the position "≡D", the dipped beam lights up.
- (3) Direction the switch: When the knob is turned to the mark position "←→", it means to turn left. At this time, the left turn signal lamp and left turn signal ,when the button is pulled to the, "⇨" mark position, it means to turn right. At this time, the right turn signal and the right turn signal



(Graphique 4)

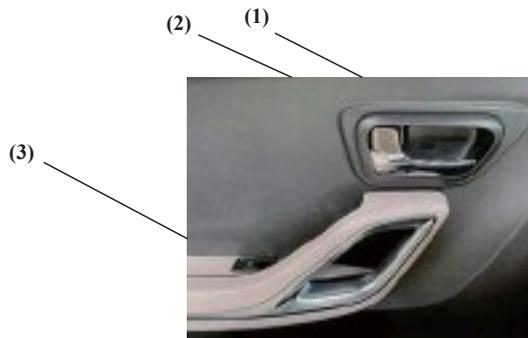
- (4) Klaxon : Lorsque ce bouton de commutation "📣" est enfoncé, le klaxon fera un son.
- (5) Pousser pour démarrer l'interrupteur: appuyez sur cet interrupteur pour démarrer le véhicule.
- (6) Interrupteur d'air chaud: activez cet interrupteur pour souffler de l'air chaud.
- (7) Interrupteur de nettoyage de vitre : démarrez l'interrupteur, démarrez l'essuie-glace essuyez la vitre et gardez la surface du verre propre.
- (8) Équipement de phare : appuyez sur cet interrupteur pour allumer le phare.
- (9) Commutateur de changement de vitesse : le véhicule peut être conduit lorsque la vitesse est passée à D, et le véhicule peut être conduit lorsque la vitesse est passée au démarrage ou à la remorque et Lorsque vous vous garez temporairement (comme un feu rouge), utilisez cette vitesse et déplacez-la sur R. vitesse pour reculer.
- (10) Volant : Cette fonction permet au véhicule de tourner/régulateur de vitesse.
- (11) Lampe antibrouillard : Les jours de brouillard, allumez cette lampe dans les climats à faible visibilité
- (12) Double interrupteur clignotant : appuyez sur le bouton « mâle » et l'interrupteur arrière à double clignotement sera activé pour avertir et rappeler les voitures qui arrivent derrière.
- (13) Frein à pied : lors du freinage, appuyez sur cet interrupteur pour contrôler l'arrêt du véhicule. Lorsque vous relâchez cet interrupteur, le véhicule peut également fonctionner normalement.



(Graphique 4)

### 1.6 Safety lockde

- (1) Press the safety lock to lock the door, which can prevent opening the door from inside the vehicle. Pull the safety lock to unlock the door.
- (2) Door switch button, pull inward Switch, the current door is opened.
- (3) Window switch button, push down Push the button to open the window, and pull up the button to close the window On.



(Graphique 5)

## II. Operation guidance

### 2.1 Inspection before driving

Before driving every day, a routine inspection should be carried out for jiaji electric four-wheel scooter to ensure that jiaji The electric four-wheel scooter has good performance and achieves the effect of safe driving.

### 2.2 Electricity quantity

Turn on the ignition switch, watch the indicated position of the electricity meter, and charge when it reaches the marked position.



#### Safety Alert

**Tyre (front tyre pressure: 200KPa; rear tyre pressure: 220KPa) The tyre pressure should be checked and adjusted regularly:**

- 1.The tyre pressure can only be checked when the tyre is cold
- 2.Frequently check whether there are puncture holes on the tire, especiall when the tire leaks It shall be repaired immediately.
- 3.Check the tire surface for cuts, embedded nails or other sharp objects, Check whether there is indentation, dent or deformation.
- 4.When the tire tread is worn to the tread wear limit mark, a new tire should be replaced.



**Safety Alert**

1. If the tire pressure is not up to the standard, the tire surface will be excessively worn and Can cause an accident. If the tire pressure is too low, the tire will slip or come out of the rim.
2. It is very dangerous to use tires with great wear,

**2.3 Driving operation**

1. Preparation before starting: press the daily switch to start the vehicle and step down the rotary gear switch of the remaining vehicles Select the desired gear, and READY indicator on the instrument panel indicates that the vehicle is ready.
2. Put down the parking hand brake, slowly increase the accelerator, and the vehicle starts to start. When decelerating, close the accelerator.
3. Turn on the lights when driving at night.



**Safety warning**

Don't use the accelerator quickly -- turn it on and off, otherwise, Connect electric will They will rush forward quickly and may lose control.

**2.5 Braking operation**

- (1) Control throttle

To reduce the speed of Connect electric four-wheel scooter, the accelerator should be closed first. Use the brake at the same time.



**Safety Alert**

Driving on wet or soft roads in rainy conditions, regardless of braking 2 to accelerate Or steering must be particularly careful,

- (2) Brake operation



**Attention**

When driving down a steep slope, you should fully close it first and use the rear wheel brakes to reduce the vehicle speed.



**Safety warning**

In medium and high speed driving, especially on the skidway, the brake shall be used urgently Use the brake slowly to avoid accidents.

## 2.6 Shutdown operation

When parking, turn the ignition switch to the "OFF" position, remove the key, lock the parking lock, and hold it firmly Brake handle, hand pull parking.



### Safety warning

1. CONNECT ECOLO-CYCLE should be parked on a hard and flat road and should not be parked on a soft or on the slope ground to prevent accidents such as personal injury, vehicle dumping and rolling.

2. After parking, be sure to set the key switch to the OFF position, turn off the power switch, and pull out the key. It is prohibited to leave the key on the vehicle. If the power switch is not turned off, the vehicle may be affected by some remote control signals. Accidental startup. If the key is not pulled out, it may be accidentally started due to children's play, resulting in a safety accident.

3. After parking, do not put the key and lock in the place where children can easily touch, and advise children are not allowed to play or climb near the electric four-wheel scooter to prevent accidents caused by accidental startup of children.

## III. Battery and charger



### Safety warnings

1. Every time the vehicle is used, it should be charged in a timely manner to last a long time (more than hours) once a week. The charging of the battery requires battery care?

2. When the power indicator of the instrument panel is in the yellow range, it should be charged in time?

3. If the electric four-wheel walking book is not used for a long time, it should be charged once a month. It is strictly prohibited to store it in "power loss" mode.

4. The battery shall not contact with power supply, heat source and alkaline substances. Avoid direct sunlight,

5. After driving in summer, the battery should not be charged due to high temperature.

6. It is forbidden to use high-pressure water or other methods to wash the vehicle and the parts close to the battery. In order to prevent short circuit of the circuit due to water ingress into the cyanine battery and the circuit.

## Chargeur

When the charger is connected to the power supply to charge the battery, the charging indicator shows a red state, indicating that The battery is in the state of constant current and low charge: when the low charge lip turns to the green light state, the battery capacity is basically 100% full, if continue to charge. The charger enters to supplement the battery current



### Safety warnings

1. When using and storing the charger, liquid and metal shall be prevented from infiltrating into the charger to prevent the charger from being damaged by internal short circuit.
2. The charger and battery must be used together It is strictly forbidden to use an unmatched charger for charging. It is strictly forbidden to sleep the charger wire with other wires. Mop the floor. Step on it to avoid short circuit or other accidents.
3. Check whether the indicator light of the charger turns "green" during charging. In case of any abnormality, the power supply shall be cut off immediately. Send the battery and charger together for repair and inspection. It is forbidden to disassemble the charger for maintenance without permission to avoid electric shock.
4. When carrying the charger, do not bump or collide violently, otherwise it may be damaged.
5. It is strictly prohibited to charge without anyone watching after the night, and it is strictly prohibited to be too close to people's living environment when charging, and it is strictly prohibited to place flammable and explosive materials and gas around, otherwise it may cause fire and other accidents.
6. It must be charged in an environment with good ventilation and heat dissipation. It is prohibited to charge in a narrow area. Charging in confined space is prohibited. The upper part of the battery box and its surroundings are covered with any objects.
- 7 The charger will generate some heat during operation. It is forbidden to place inflammable and explosive articles, such as inflammable plastic or foam, on the bottom of the charger: it is forbidden to place the charger on the cushion or foot brain board of the electric four-wheel replacement car. If you smell an odor or find that the temperature of the charger shell is too high (the surface temperature of the shell is too ) during charging, please stop charging immediately and send it to the maintenance department for inspection and treatment.

## IV. Maintenance and repair

### 4.1 Maintenance

The maintenance cycle is the maintenance period based on the mileage, which is the guidance basis for regular maintenance and lubrication of the vehicle foundation. If the vehicle is driven at high speed under harsh conditions for a long time, the maintenance frequency must be increased If the four wheel scooter has been overhauled or collided, the maintenance personnel must carefully check the Cargill electric four wheel scooter Repair or replace the dislocated or damaged parts of the main parts of the walk-in vehicle to ensure safe driving.

### 4.2 Maintenance method

- (1) The gear oil of the rear axle needs to be replaced every 2000 km
- (2) Open the bolt to drain the gear oil, and then tighten the bolt. Open the bolt to pour about 1000 ml of gear oil (85W/90G-4), and then tighten the bolt after.



### Be careful

In order to ensure the safety and reliability of the Cargill electric four-wheel scooter, it is not allowed to use new original parts of the company or similar parts of the same quality when refitting, repairing or maintaining the Cargill electric four-wheel scooter. as If other poor quality parts are used, the performance and operation function of jiaji electric four-wheel scooter will be affected.

## Simple troubleshooting (Table 1)

### (a) Power supply and braking

Fault phenomenon	reason	processing method
The vehicle cannot be driven	Turn the key switch to "OFF" Or the forward/reverse gear shift is in the middle	Select the key to the "N0" position Drive with gear shift switch selected
	Battery is dead	Recharge
	The battery wiring electrode is corroded or loose	Clean the corroded parts. Tighten the link screw
	Loose or damaged key switch wire	Connect the wire Repair the key switch
	Accelerator switch damaged	Replace the switch
	The power off switch is not turned on Drive motor fault	Check the fault location, repair or replace the parts
	Défaut du moteur d'entraînement	Check the fault location, repair or replace the parts
	The parking button is not unlocked	Grip the rear brake handle and unlock it automatically
Unstable speed	Accelerator damaged	Replace accelerator
Abnormal noise of drive motor	Drive motor bearing worn	Replace bearing
	Motor damage	Repair the damaged part or replace the motor
The battery cannot be charged	Charger damaged	Check and repair the charger fault
	Poor contact of charger	Correctly insert the charger plug
	Battery damage	Replace the battery
	Excessive battery discharge	Check or replace the battery



#### Safety Alert

To ensure the safety of personnel, no matter what maintenance operations are carried out, the power must be turned off first, and the vehicle must be parked on a flat and hard ground and fixed.



#### Be careful

If the vehicle is parked for more than one month or stopped in winter The maintenance work shall be done well to prevent the deterioration, aging and corrosion of tires, batteries, etc.



#### Be careful

The oil in the differential box of the rear axle of the whole vehicle shall be changed regularly for maintenance.

(3) Unless the driver or the owner has a full set of repair tools and maintenance materials, and is a qualified mechanic, otherwise, a professional should be asked to take care of the maintenance.

(4) For the sake of safety, we advocate that the personnel of the disaster management department should be responsible for the maintenance or repair of these items.



#### Be careful

1 If driving in a particularly humid or dusty area. It is better to shorten the specified maintenance period.

2 When driving on bumpy roads, be sure to maintain the vehicle performance.

### (b) Suspension and steering system

Fault phenomenon	Reason	Processing method
Uneven tire wear low	low tire pressure	Gonflez à la pression d'air recommandée
Steering is inflexible and steering handle swings	Steering column shaft lubricating oil solidification	Inflate to the recommended air pressure
	The hinge of each moving part loses lubricating oil	Supplement lubricating oil for all moving parts
	Worn steel bowl	Replace the steel bowl
	Uneven tire inflation pressure	Adjust tire inflation pressure
	The lock nut of steering handle is loose	Tighten the lock nut
	The lock nut of steering handle is loose	Tighten the lock nut
	Wheel swing	Repair or replace the bearing and
	Loose hub nut	Tighten the nut
Brake deviation	Uneven tire inflation pressure	Adjust tire inflation pressure
	Brake deviation	Adjusting the takeout shoe
Insufficient braking force	The brake shoe is severely worn	Replace brake shoes
	The brake oil pipe leaks and the brake fluid is insufficient	After exhaust, tighten the oil pipe connector and add enough brake fluid
	The brake shoe and brake disc are contaminated with oil or water	eliminate

### (c) Electronic control system

Fault phenomenon	raison	Méthode de traitement
There is no display on the power indicator when the key switch is turned on, and there is no "click" sound when the contactor is pulled in	Key switch short circuit	Repair or replace
	Loose or shorted circuit connectors	Fasten the connector or connect the wire
	Oxidation of battery connect	Smooth and clean with gauze
	Replace the damaged control circuit or power off switch	Change
	Reverse polarity connection of storage battery	Change polarity
	When the key switch is turned on, the power indicator shows that the electric tricycle does not start with a "click" sound when the contactor is pulled in	Accelerator did not respond
The forward/backward switch is damaged		Check, repair and replace
Accelerator failure		Check the fault location, repair or replace the parts
Contactor contact failure		Check the fault location, repair or replace the parts
Speed regulation controller fault the parts		Check the fault location, repair or replace
Drive motor fault the parts		Check the fault location, repair or replace
The controller is affected with damp or water		Check the fault location, repair or replace the parts
The vehicle is moving and stopping		Circuit overcurrent and overheat protection system not started
	Loose circuit connector	Fasten the joint well and connect the wires
Vehicle starts and stop	Insufficient power	Battery charging
	Drive motor fault	Inspection and stacking

### 4.3 Maintenance of storage battery

This model adopts sealed dry battery (No water added)



#### Be careful

Closed battery solution upper cover never disassemble.

- (1) When the vehicle is not used for a long time, please remove the battery and store it in a clean, ventilated and dry place after fully charging
- (2) When the pile head of the battery is corroded, Please take out the battery for cleaning.  
(Rinse with boiling water)



#### Be careful

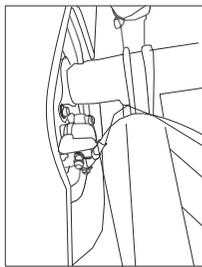
When removing the battery, turn off the ignition switch, and then remove the negative pole.  
When installing, install the positive pole first and then the negative pole. Do not install the positive and negative poles incorrectly.

### 4.4 Maintenance of hydraulic brake (please send it to the designated repair shop for maintenance)

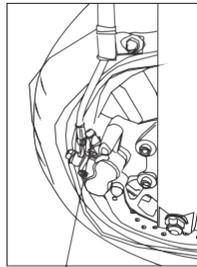
Liquid level: add oil when the liquid level is empty.

Bleeding: as shown in the figure, first open the cover and tighten the bolts, then operate the brake handle to hold and loosen it. Repeat multiple times discharge the air.

Tightening: After the exhaust, hold the brake handle and tighten the bolt cover.



Rear brake exhaust port



Front brake exhaust port

## V. Vehicle storage

### 5.1 Storage

When you want to store jiaji electric four-wheel scooters for a long time, for example in winter, you need to take several steps to prevent Cargill from not using it for a long time Failure or deterioration of parts caused by moving a four-wheel scooter. In addition, some maintenance work is also required before preparing for storage, otherwise, When using Cargill electric four-wheel scooter again, they often forget to carry out maintenance work.

1. Replace the rear axle gear oil
2. Cover the cover of Jiagu electric four-wheel scooter.

### 5.2 When the motor is taken out of the storage room for reuse

1. Remove the hood and wipe the Cargill electric four-wheel scooter clean. If the storage time has exceeded 4 months the axle gear oil should be replaced.
2. If necessary, charge the battery and then install it.
3. Check all items before driving, and first test drive Cargill electric four-wheel at low speed in areas where traffic is not busy the courtesy car will ensure safety for a period of time.

## VI. After sales service matters

### 6.1 Vehicle model and number

The frame number of JIAJI electric four-wheel scooter is located in the upper middle of the rear seat bracket.

Open the number cover to see frame number. The above number shall also be provided when parts are replaced for warranty repair.



## VII. After sales service matters

Serial No	Project	General
		JJ2000DBP
1	Overall dimensions(L * L * H) mm	2300x1000x1495
2	Fuel type	Pure electric
3	Minimum commercial floor compartment (mm)	120mm
4	Wheel base (mm)	1540
5	Track width (mm)	875
6	Rated maximum weight (kg)	--
7	Unladen mass(kg)	290 kg
8	Highest lane km/h	30
9	Charger type	External
10	Braking mode (rear wheel)	Hydraulic disc mechanical drum brake
11	Number of tires	4
12	Tyre specification	125/65-12
13	Steering form	Disc type (handle type)
14	Battery specifications	60-EVF-58
15	Rated passenger capacity	2
16	Parking mode	Manual
17	electric machinery	Permanent magnet DC
18	Motor power (w)	2000
19	Range(km)	>70 km

**VIII. After sales service matters**

1. General

In order to protect your interests, you must use and maintain the Cargill electric four-wheel scooter correctly according to the manual and in the manual of Cargill electric four-wheel scooter, the factory certificate of Cargill electric four-wheel scooter, and the third certificate of Cargill electric four-wheel scooter on the premise that the certificates are complete, refer to the attached table to implement warranty and replacement.

2. Scope of warranty repair

- Warranty scope

Failures within the scope of warranty (except for wearing parts) or those meeting the conditions of replacement and return guarantee but selected by the buyer Choose to repair.

3. Not included in the scope of warranty repair

- The vehicle has exceeded the warranty period since the date of purchase.
- Vehicles with mileage exceeding 5000 KM or mileage readjusted due to odometer damage or failure.
- The user does not use, maintain or keep the product according to the requirements of the user manual.
- The user disassembles by himself and loses the basis for failure analysis.

4. Formalities and procedures

- The user's letters and letters should indicate the details of the fault, the frame number and the motor number, so that our factory can reply after analysis answer and handle.

Maintenance Registration Form

Serial No	date	Driving mileage (km)	project				User evaluation			User signature
			Fault phenomenon	Analysis	remarks	maintenance worker	satisfied	Basically satisfied	dissatisfied	
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										

### Maintenance Registration Form

Serial No	date	Driving mileage (km)	projet				User evaluation				User signature
			Fault phenomenon	Analysis	Remarks	Maintenance worker	Satisfied	Basically satisfied	dissatisfied	Very dissatisfied	
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											