



ECONECO



Econeco Revival Econeco S1 Owner Manual

operating instructions
warranty instructions



Warranty Registration



DEAR CLIENT,
Thank you for choosing our brand!
In order to fully enjoy your new bike, we ask you to activate your 2-year warranty.

REGISTER THE WARRANTY OF YOUR BIKE
In order to activate the warranty on your bike you need to register the unit first. This must be done immediately after your purchase. The purchase date will be the same as the initial start of the warranty. **UNITS THAT ARE NOT REGISTERED NOT BE COVERED UNDER THE MANUFACTURERS WARRANTY**

Your Neco Scooter is covered by a 2 year warranty. All further information regarding the general applications and ruling regarding this warranty are indicated in the users manual.

HOW TO REGISTER ?
1) Make sure to have a digital version of the invoice (jpg or pdf) and the VIN number of your vehicle.
2) Visit **neco.be** , follow the instructions indicated under '**register your vehicle**'.

Why is this registration important ?

- It helps your local dealer to order new spare parts in case of warranty claim.
- You will be automatically advised of new updates.
- If your bike is stolen, the Police can contact us if found and we can then help to return the bike to the correct owner.



The QR code leads you directly to the registrationform Neco:
registration.mooof.eu/en/neco



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Warranty Definition

Definition and general clauses regarding the warranty

1. Introduction

Following the European consumer rules , you enjoy a legal warranty provided by the sales agreement between merchant and buyer (private users) . This warranty does not affect nor diminishes the rights granted to the buyer.
This warranty only affects each products that are legally imported from MOOOF NV, within the European Community and are being sold again within the same European market through official Neco dealers.

2. Warranty Period

The legal warranty provided on all newly purchased Neco vehicles, is a term of two years, from the purchase date with a maximum mileage limit of 10.000 km.

3. Warranty terms

The warranty starts from the date of purchase mentioned on the invoice provided by your Neco dealer. The dealer will provide you with a warranty document when picking up the Neco.

4. Exclusion of warranty

MOOOF NV will refuse the intervention of warranty if:

- When the vehicle has been repaired/modified with spare parts other than the ones provided by MOOOF NV
- The owner/user didn’t respect the periodic maintenance and repairs mentioned in the manual.
- The owner/user didn’t use the motorcycle properly.
- The warranty period and/or mileage has expired.
- The dealer nor the owner can provide proof of evidence in order for MOOOF NV to accept the warranty.

Mooof warranty certificate: copy to be returned to MOOOF NV

Model: VIN N°:
Color: Delivery date (dd/mm/yyyy):
License plate:

Name:
Address:
Zip code:
State/Province:
Country:.....

I have taken note of the warranty conditions and buyer responsibilities and the instruction manual. I have received the vehicle in accordance with locally applicable legislation.

signature client:	dealer signature & dealer stamp:
-------------------	----------------------------------

Provide
postage
stamp
here

Mooof NV
Rijksweg 440
8710 Wielsbeke

Mooof warranty certificate: copy for DEALER

Model: VIN N°:
Color: Delivery date (dd/mm/yyyy):
License plate:

Name:
Address:
Zip code:
State/Province:
Country:.....

I have taken note of the warranty conditions and buyer responsibilities and the instruction manual. I have received the vehicle in accordance with locally applicable legislation.

signature client:

dealer signature & dealer stamp:

Mooof warranty certificate: copy for OWNER

Model:

VIN N°:

Color:

Delivery date (dd/mm/yyyy):

License plate:

Name:

Address:

Zip code:

State/Province:

Country:

I have taken note of the warranty conditions and buyer responsibilities page 10 tern 15 and the instruction manual. I have received the vehicle in accordance with locally applicable legislation.

signature client:

dealer signature & dealer stamp:

Warranty Conditions

Mooof nv congratulates you with your new purchase and thanks you for the confidence in our products.

This warranty certificate must be carefully read and then correctly filled in and submitted within 10 days after the purchase. Then the warranty period of 24 months after purchase goes into effect. A vehicle without complete completion and signing of the warranty book is excluded from warranty. The vehicle must be serviced by your Mooof dealer for the first 24 months in accordance with the maintenance schedule. When selling your vehicle, you must hand over the warranty certificate to the new owner.

All warranty claims must be sent (by the official Mooof dealer) with the parts for assessment to:

Mooof nv
Rijksweg 440
8710 Wielsbeke

BUYER RESPONSABILITIES:

- The buyer is responsible for proper maintenance according to the maintenance schedule by an official Mooof dealer.
- Checking and maintaining standard liquid levels and lubricants.
- One must not drive with a defective and / or worn part causing more damage.
- Ensure that the vehicle does not run faster than the permitted construction speed.
- Checking VIN and frame number.

- Check whether the identification plate is present and matches the COC.
- The correct use of the vehicle according to regulations.

1. Definitions in these warranty conditions:

- Bullit / Neco : Mooof Benelux
- Dealer: An official Mooof concessionaire
- Customer: Any natural or legal person who purchases a product from the dealer or legal successor of that natural or legal person.
- Product: The vehicle as further described in (the copy of) the attached warranty registration card.
- Delivery: The delivery by the dealer to the customer. Delivery of the product in a new and unused at that time.
- Producer / Manufacturer: the producer / manufacturer of Bullit or Neco scooters and motorbikes.

2. Warranty:

Mooof guarantees that if the product exhibits material and / or construction defects for 2 years after delivery, Mooof will repair these errors (or have them repaired) provided the customer has always and comprehensively fulfilled all obligations and regulations as described below and insofar as the guarantee is not hereafter limited or excluded. The guarantee states that parts that, in the reasonable opinion of Mooof, exhibit material and / or construction defects are replaced or repaired free of charge at the discretion of Mooof.

3. The warranty period stated in Article 2 will not be extended after repair and / or replacement under the guarantee.

4. The customer must report material and / or construction er-

rors to the dealer within a reasonable period of time after discovering the error.

5. Repair and / or replacement work under the warranty may only be carried out by the dealer or Mooof and only by using original Mooof parts, under penalty of expiration of the warranty. If the repair or replacement is carried out before Mooof has confirmed in writing that repair or replacement is covered by the warranty, the customer will be responsible for the costs the costs associated with the repair or replacement by the dealer.

6. Excluded from warranty:

- tires, spark plugs, light bulbs, batteries, friction materials, chains, coolant, lubricants
- defects that are not material and / or construction faults, such as defects as a result of normal wear and tear, internal and external contamination, rust and paint damage, transport, freezing, overheating, overloading and / or dropping of the product.

7. No guarantee is available if:

- the completely filled-in warranty registration card is not returned by the buyer to Mooof within 10 days after delivery
- if the product has been repaired, modified, adjusted and / or taken in maintenance by someone other than the dealer or Mooof
- the product does not consist of original Mooof parts or parts that are explicitly known by Mooof
- the customer upon discovering the material and / or construction fault has not done everything reasonably possible to limit the damage
- other fuels and lubricants than those specified in the instruction

manual have been used

- the product is not in accordance with the regulations as described in the instruction booklet, or otherwise carelessly used.
- the maintenance of the product is not carried out in time, as described in the instruction booklet, by the dealer. With the aid of the attached service card, which has to be stamped by the dealer each time, timely maintenance must be demonstrated.
- The product has been used for competition purposes, competitions, performance rides or rental
- The product has been developed for competition use.
- In the request for repair or replacement under the warranty incorrect and / or incomplete information has been provided.

8. If Mooof has repaired material and / or construction defects in accordance with these warranty conditions, Mooof will be fully discharged in respect of its warranty obligations and Mooof or the manufacturer will not be obliged to pay any further (damage) compensation, unless the customer proves that damage is caused by intent or gross negligence on the part of Mooof, the manufacturer or their managerial staff, or the customer proves that liability arises from Title 3 Section 3 Book 6 of the Belgian Civil Code.

Nor can the customer demand dissolution of the purchase agreement based on material and / or construction defects found, unless the buyer can not reasonably be expected to maintain the purchase agreement.

MAINTENANCE SCHEDULE

The inspection intervals are required, these will void the warranty.		1000km	"4000km or 1. year"	"7000km or 2. year"	"10000km or 3. year"	"13000km or 4. year"
COMPONENT	PERFORM					
General inspection	Control	✓	✓	✓	✓	✓
Steering and controls	Control / Exchange	✓	✓	✓	✓	✓
Steering bearing	Control / Clean / Lubricate				✓	✓
Electric System	Control	✓	✓	✓	✓	✓
Lights and switches	Control / Exchange	✓	✓	✓	✓	✓
Circuit break switch	Control	✓	✓	✓	✓	✓
Wheel bearing	Control / Exchange		✓	Exchange	✓	Exchange
Wheels, Rims	Control	✓	✓	✓	✓	✓
Tyres	Control / Thread depth / Pressure				✓	✓
Brake system generally	Control / Clean / Exchange	✓	✓	✓	✓	✓
Brake fluid	Exchange			✓		
Telescopic fork	Control	✓		✓		✓
Shock absorber rear	Control	✓		✓		✓
Throttle	Control / Lubricate		✓	✓	✓	✓
Main / Side stand	Control / Clean / Exchange		✓	✓	✓	✓

General information regarding „control“: this component must be checked if the function is correct. Instructions such as „cleaning“ or „lubrication“ mean, that this work must be carried out additionally. If errors / defects are detected, they should be remedied””

MAINTENANCE SCHEDULE

Maintenance interval: Delivery inspection Odometer reading: Date: Stamp / Signature	Maintenance interval: 1000 km Odometer reading: Date: Stamp / Signature	Maintenance interval: 4000 km or 1. year Current odometer reading: Date: Stamp / Signature
Maintenance interval: 7000 km or 2. year Odometer reading: Date: Stamp / Signature	Maintenance interval: 10000 km or 3. year Odometer reading: Date: Stamp / Signature	Maintenance interval: 13000 km or 4. year Odometer reading: Date: Stamp / Signature
Maintenance interval: 16000 km Odometer reading: Date: Stamp / Signature	Maintenance interval: 19000 km Odometer reading: Date: Stamp / Signature	Maintenance interval: 22000 km Odometer reading: Date: Stamp / Signature

Model:

Frame N°:


Color:


Delivery date (dd/mm/yyyy):

License plate:

IMPORTANT MANUAL INFORMATION


In this manual with some important information is distinguished by the following notations:

 **Warning:** A Warning which has to be followed. Refusing to follow can lead to severe injury or death to the operator.

 **Caution:** A Caution indicates a important information to avoid damage to the vehicle.

Caution:

- Please always put this manual with vehicle for rider maintenance/ dealer tracking of service records even if vehicle is being sold.
- This manual contains the most of the vehicle information, however, the maker will continually improve it's product design and quality that lead to difference between the manual and vehicle . If you have any questions concerning this manual, please consult your dealer.

 **Warning:** FOR YOUR OWN SAFETY, PLEASE READ THIS MANUAL CAREFULLY BEFORE OPERATION THIS VEHICLE. ONLY OPERATE THE VEHICLE UNTIL YOU HAVE COMPLETELY AWARE OF ADEQUATE KNOWLEDGE OF CONTROLS AND OPERATION FEATURE AND YOU HAVE BEEN TRAINED IN SAFE AND PROPER RIDING TECHNIQUES. PERIODIC INSPECTIONS, GOOD MAINTENANCE AND GOOD RIDING SKILLS, WILL ENSURE YOUR SAFETY RIDING AND INCREASE THE PRODUCT RELIABILITY OF THIS VEHICLE.

*Product and specifications are subject to change without notice.

SAFETY INFORMATION

THIS VEHICLE IS A TWO WHEEL SINGLE TRACK VEHICLE. THE USE OF SAFETY AND OPERATION INSTRUCTIONS SHOULD BE COMBINED WITH PROPER RIDING TECHNIQUES OF THE OPERATOR. THE DRIVER SHOULD BE AWARE OF THE FOLLOWING REQUIREMENTS BEFORE RIDING.

HE OR SHE SHOULD:

- BE WELL TRAINED AND FAMILIAR TO ALL THE ASPECTS OF Vehicle OPERATION.
- FULLY READ AND AWARE OF MAINTENANCE REQUIREMENTS THAT NOTED IN THIS OWNER'S MANUAL.
- OBTAIN QUALIFIED TRAINING & LEGAL LICENSE FOR OPERATION OF THIS VEHICLE.
- GOOD AND PROFESSIONAL MAINTENANCE SERVICE FOR OPERATOR AND CERTIFICATED REPAIR SHOP/DEALER TO ACQUIRE GOOD MECHANICAL CONDITIONS OF VEHICLE.

Safe riding

- Always pre-check your vehicle before riding is important to prevent an accident.
- Please follow the maximum loads limited of operator and passenger.
- Many accidents happening to motorists are caused by car drivers who fail to recognize them. Therefore, to make yourself conspicuous to traffic will be very effective to reducing the change of this kind of accidents.

Therefore:

- Wear bright colored and protective clothes.

- Operate the turning signals before turning and slow down the speed when approaching and passthrough the intersection
- Keep proper distance to other Motorists, and let them be aware of your location
- Know your skills and limits
- Never lend your vehicle to others who are not qualified for riding
- Always follow the legal speed limits on the vehicle and traffic law.
- The posture of the operator and passenger is important for proper control. A proper riding posture can Keep vehicle in balance while riding.
- Operator should sit up-right with two hands on the handle bar and both feet on the footpegs while driving.
- The passenger should make sure that he/she can firmly hold the grip or the operator with feet on the footpegs.
- Driving after consuming alcohol or illegal drugs is strickly prohibited.
- This vehicle is designed for onroad use only. It is not suitable for off-road use.

Protective clothing

Properly clothing will keep you safe from potential accidents:

- Always wear an approved helmet with face shield to protect your eye from dust and rain drop.
- The wear of a proper jacket, shoes, gloves etc., provides better protection, reducing the degree of injury from unexpected accidents.
- Never wear loose clothes, otherwise they could catch on the control levers or wheels and cause injury or an accident.
- Never touch the engine or exhaust system during or after operation.

ration. They become very hot and can cause burns. Always wear protective clothing that cover your legs, ankles, and feet.

Modifications

Modifications made to this vehicle which are not approved by the maker, or the removal of original equipment, may make the vehicle unsafe for use and can cause severe personal injury. Modifications may also make your vehicle illegal to use.

Loading and accessories

Adding accessories or cargo to your vehicle will cause a different weight distribution of the vehicle and influence the steering & balance. It may cause the possibility of an accident. Be extremely cautious and follow the limitation below when equipped with accessories / cargo. Below are some guidelines to follow if loading cargo or adding accessories to your vehicle.

Maximum load (vehicle not included): 150kg

Loading

The total weight of the operator, passenger (when allowed), accessories and cargo must not exceed the maximum load limit. When loading within this weight limit, keep following points in mind:

- Cargo and accessory weight should be kept as low and close to the vehicle as possible. Make sure to distribute the weight as evenly as possible on both sides of the vehicle to minimize imbalance or instability.
- Make sure that accessories and cargo are securely attached to vehicle before riding
- Never attach any large or heavy items to the handlebar, front

fork, or front fender. Such items can create unstable handling or a slow steering response.

Accessories

Genuine accessories have been specifically designed for use on this vehicle. If needed, please contact a dealer for details. Since the maker can not test all other accessories, you are personally responsible for the proper selection, installation and use of non OEM accessories.

Keep the following guidelines in mind, when mounting accessories.

- Never install accessories or carry cargo that would influence on the ground clearance, limit suspension travel, steering, or obscure lights or turning lights, reflectors.
- Accessories on the handle bar/front suspension area will cause bad influence on steering the vehicle. if you will install accessories, please keep it as light in weight and not interfere on steering the vehicle. This vehicle is for On-Road transportation purpose only, please do not install any of extended cargo carrier as sulky, that will make vehicle unstable in cross winds and vehicle turns.
- While equipped with electrical accessories, please consult qualified stores, to make sure such items will not exceed the capacity of the vehicle's electrical system. Unproper installation of such items may cause a dangerous loss of lights, lower engine power or even damage the vehicle.

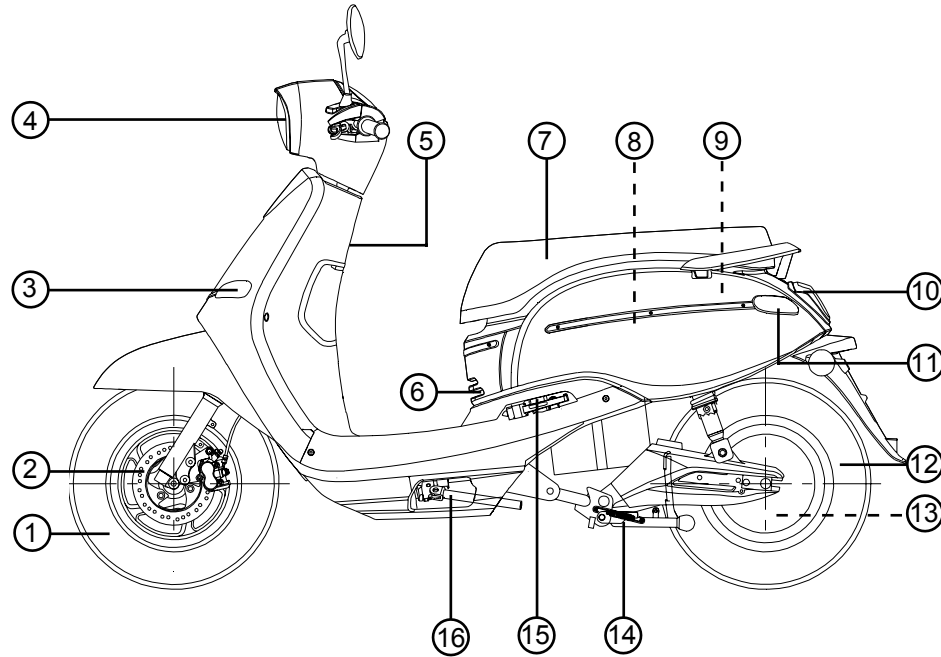
OTHER SAFE-RIDING POINTS

- Turn the signal before making turns.
- When raining or across on run on the wet road, Iron Plates, keep your speed low, slightly using braking to avoid slipping or even fall down.
- Be careful when passing parked cars. A driver might not see you and open a door in your path.

DESCRIPTION OF THE VEHICLE

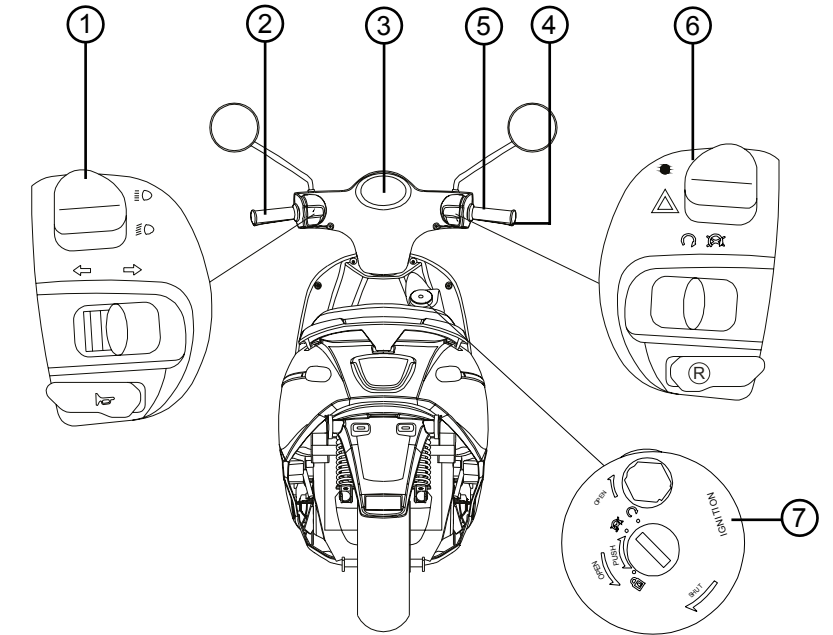
SIDE VIEW

1. Front wheel
2. Front disc brake
3. Front turn signal light
4. Headlight
5. Helmet holder
6. Charging socket
7. Seat
8. Battery
9. Controller
10. Tail/brake light
11. Rear turn signal light
12. Rear wheel
13. Rear disc brake
14. Mainstand
15. Passenger footrest
16. Sidestand



CONTROLS AND INSTRUMENTS

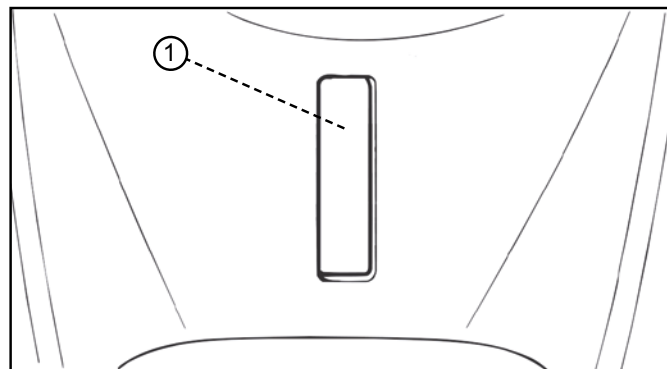
1. Left handlebar switches
3. Dashboard unit
4. Front brake lever
5. Throttle grip
6. Right handlebar switches
7. Main switch



VIN (vehicle identification number) or FRAME Number

Please write down the VIN (vehicle identification number) to order replacement parts from your dealer or the vehicle should be stolen.

The chassis number is stamped into the frame. To see this, take the cover (1) from the inner lining in the footplate.

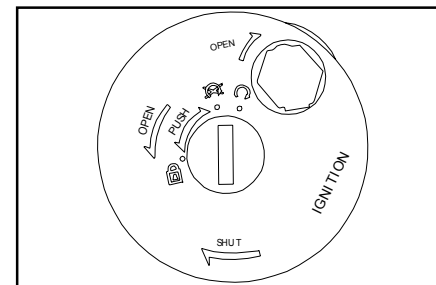


⚠ Caution: The vehicle identification number is used to identify your motorcycle and may be used to register your vehicle with the licensing authority in your area.

INSTRUMENT AND CONTROL FUNCTIONS

Main switch

The main switch controls the ignition and lighting systems, and also used to lock the steering. The various positions are described as below.



On “”

All electrical circuits are supplied with power, the engine can be started. The key cannot be removed.


Off “”

All electrical systems are off. The key can be removed.


Steering lock

The steering is locked, and all electrical systems are off. The key can be removed.



Lock the steering

1. Turn the handlebar fully to the left.
2. Insert the key into the main switch.
3. Turn the key while you apply pressure to it, counterclockwise in the  position. If the lock does not engage immediately, move the handlebars back and forth slightly.
4. Remove the key.

Unlock the steering

1. Insert the key into the main switch.
2. Turn the key clockwise to the  position. If the lock does not engage immediately, move the handlebars back and forth slightly.




Warning:

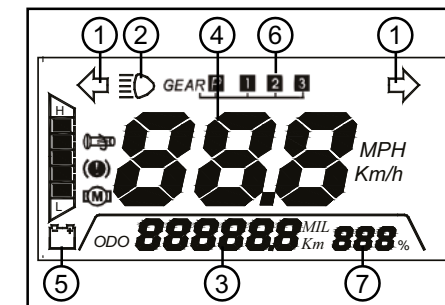
Never turn the key to  or , while the vehicle is moving, otherwise the electrical systems will be switched off, which may result in loss of control or an accident. Make sure that the vehicle is stopped before turning the key.

Open the glove compartment

When in „OFF“ position, turn the key counterclockwise without pushing it in to open the glove compartment.

DASHBOARD UNIT

1. Turn signal indicator light  or 
2. High beam indicator lamp 
3. Odometer
4. Speedometer
5. Battery capacity indicator
6. Gear indicator
7. Battery percentage indicator (charging)



1. Turn signal indicator light

This indicator light flashes when the turn signal light is activated.

2. High beam indicator lamp

Lights up whenever high beam is switched on.

3. Odometer

The dashboard unit is equipped with an odometer. The odometer shows the total distance traveled.

4. Speedometer

The dashboard unit is equipped with a speedometer. The speedometer shows the riding speed.

5. Battery capacity indicator

This indicator shows the remaining capacity of the battery. The needle moves from „H“ towards „L“ (Empty) as the capacity decreases.

6. Gear indicator

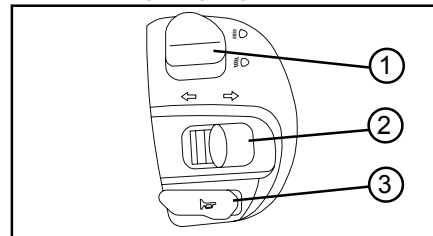
This indicator shows the current selected gear. „P“ stands for the park gear, „1“ limits the speed to 25 km/h and „2“ limits the speed to 45 km/h.

7. Battery percentage indicator (char-

ging)

Displays the current percentage of the battery, when charging.

HANDLEBAR SWITCHES - LEFT



1. High / Low beam switch /
2. Turn signal switch
3. Horn switch

1. High / Low beam switch

Set this switch to for the high beam and to for the low beam.

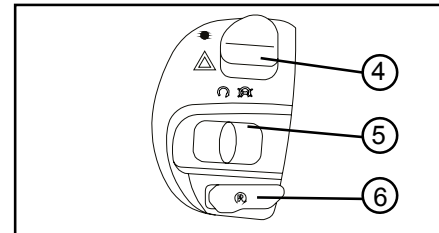
2. Turn signal switch

To signal a right-hand turn, push this switch to . To signal a left-hand turn, push this switch to . When released the switch returns to the center position. To cancel the turn signal lights, push the switch in after it has returned to the center position.

3. Horn switch

Press this switch to sound the horn.

HANDLEBAR SWITCHES - RIGHT



4. Warning light switch /
5. Safety switch
6. Electro start switch / Reverse switch

4. Warning light switch

By changing the switch position you can switch on or off the warning light.

5. Safety switch

If the safety switch is activated the engine can be started. If the switch is deactivated , the engine can not be started.

6. Electro start switch / Reverse switch

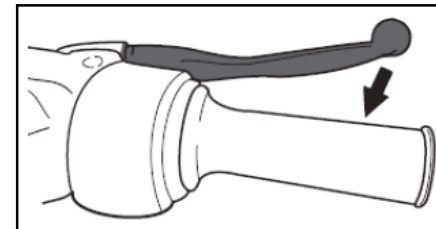
After turning on the main switch, push this switch once to activate the engine. The vehicle is ready to drive.



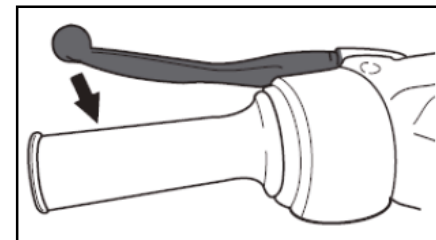
Caution: Before starting the vehicle check the notes in the user manual.

If you hold this switch and turn the throttle grip, the reverse will be activated and the vehicle will slowly start to roll backwards.

BRAKE LEVER



The front brake lever is located on the right handlebar grip. To apply the front brake, pull this lever toward the handlebar grip.



The rear brake lever is located on the left

handlebar grip. To apply the rear brake, pull this lever toward the handlebar grip.

SEAT

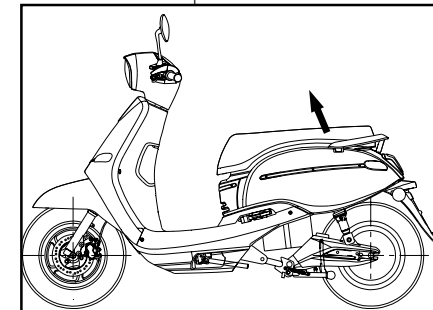
To open the seat

1. Place the vehicle on the centerstand.
2. Insert the key into the seat lock (1), and then turn the key clockwise to “OPEN” the seat.



Caution: Do not push inward when turning the key.

3. Fold the seat up.



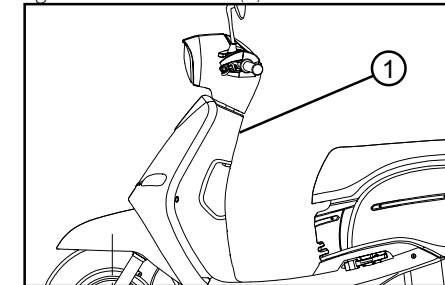
To close the seat

1. Fold the seat down, and then push it down to lock it in place.

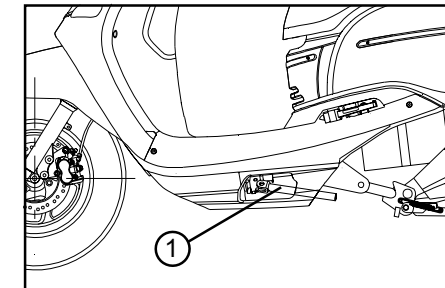
- When you close the seat by force or strike, parts can be damaged.
- Make sure that the seat is locked before driving or when you park the vehicle.

HELMET HOOK

Caution: Do not exceed the load limit of 1 kg for the front Hook (1).



SIDE STAND



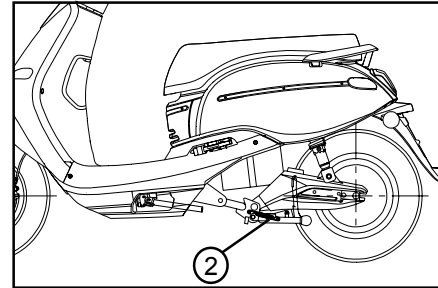
The side stand (1) is located on the left

side of the vehicle. Release the sidestand by using your feet to step on the bracket of side stand to up-right position to stand the vehicle.

⚠ **Caution:**

- The side stand with auto-rebound system. Make sure your vehicle have been park well are stable enough to stand the vehicle.
- Please avoid to use side stand to park the vehicle on the slope, soft land or un-flat ground.

MAIN STAND



The main stand (2) is located under the vehicle. Release the main stand by using your feet to step on the bracket of side stand to up-right position to stand the vehicle.

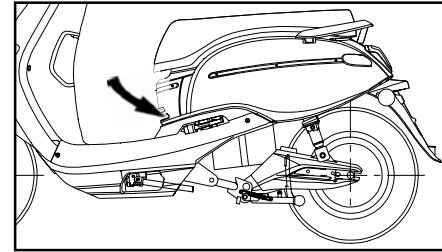
The main stand with auto-rebound system. Make sure your vehicle have been park well are stable enough to stand the vehicle.

CHARGER AND CHARGING PORT



Attached to the vehicle is a charger (1). If you reach the red area of the charge indicator on the dashboard, charge the vehicle immediately.

The charging port is located at the front, under the seat.



CHARGE THE BATTERY

1. Turn the ignition off.
2. Plug the charger into the vehicle's charging port.
3. Plug the power plug into an AC outlet.
4. When the battery is charged, the charger LED turns green from RED.

⚠ **Caution:**

- Charge the battery at regular intervals to avoid a deep discharge even if the vehicle is not being operated.
- Charge the battery 3 to 5 hours, depending on the previous operating time of the vehicle.
- Charge after each trip is recommended to ensure the full availability of your vehicle at all times.
- If you are not using the vehicle for an extended period of time, set the circuit break

switch to „OFF“.

- Charge the battery only in a dry and clean environment.
- Do not charge if the charging port is wet.
- Do not cover the scooter and/ or charger when charging.
- The life and performance of a battery depends on its age, the care and how often it was in use.
- The batteries have a very low selfdischarge and a very low memory effect so they can be part charged.
- Regular charging keeps the battery from deep discharge. Please note that a deeply discharged battery is irreparably damaged and must be replaced, so the battery should never be fully discharged.
- The best way to store the battery is at 7 - 15 ° C room temperature and dry environment, this reduces the self-discharge.
- Do not heat or expose the battery to open fire.
- Never dispose of accumulators over household waste.
- Never touch the battery contacts with moisture.
- The best operating temperature is between 5 ° C and 30 ° C.
- The max. Range in optimal conditions is up to 50 km. The driving behavior and various external factors have an influence

on the range.

IDEAL CONDITIONS

Flat terrain, constant speed - no full load, no headwind, correct tire pressure, driver weight <70 kg, no payload, approx. 20 ° C ambient temperature.

BATTERY CONSERVATION

Lithium batteries have a freezing point of approx. - 20 ° C to -25 ° C, depending on the state of charge. As with conventional batteries, a lithium battery loses up to 40% of its capacity starting at approx. 0 ° C. At approx. 20 ° C and 100% charge, a lithium battery loses approx. 30% of capacity per month (poor storage) At approx. 7 ° C and 70% charge, however, a lithium battery loses only approx. 5% of capacity per month (optimal Storage).

⚠ **Caution:** If a BMS (Battery Management System) is installed in a Lithium battery pack, the self-discharge is comparable to a conventional battery in storage condition (Caution: Overcharging). The BMS system reduces the battery capacity but is necessary and mandatory for cell balancing. (uniform cell discharge).

CIRCUIT BREAK SWITCH


The circuit break switch is located in the shaft under the seat. This circuit break switch interrupts any power consumption of your vehicle.




If you do not wish to operate the vehicle for an extended period of time, it is advisable to interrupt the power supply with the circuit break switch. The battery has to be recharged in this time period. Information. If there is a short circuit in the electrical system, this switch automatically jumps to „OFF“ to prevent further damage to the vehicle.

PRE-OPERATION CHECKS

The condition of a vehicle is the owner's responsibility. The operator should check the vehicle by simple but thorough inspection, to make sure of vehicle condition, quick inspect some key and important parts, to prevent the vehicle from serious consequence/accident. Please carefully check the following points before each ride.

 **Caution:** Pre-operation checks should be made each time the vehicle is used. Such an inspection can be accomplished in a very short time; and the added safety it assures is more than worth the time involved.

 **Warning:** If any item in the Pre-operation check list is not working properly, have it inspected and repaired before operating the vehicle. If failed to be corrected by yourself, please turn to repair shop immediately. If failed to be corrected by yourself, please turn to repair shop immediately.

PRE-OPERATION CHECK LIST


CHECKPOINT	TO VERIFY
Front brake	<ul style="list-style-type: none">• Check operation.• If soft or spongy, have dealer bleed hydraulic system.• Check brake pads for wear, replace if necessary.• Check fluid level in reservoir, add recommended brake fluid to specified level if necessary.• Check hydraulic system for leakage."
Rear brake	<ul style="list-style-type: none">• Check operation.• If soft or spongy, have dealer bleed hydraulic system.• Check brake pads for wear, replace if necessary.• Check fluid level in reservoir, add recommended brake fluid to specified level if necessary.• Check hydraulic system for leakage."
Throttle grip	<ul style="list-style-type: none">• Make sure that operation is smooth.• If necessary, have dealer adjust cable free play and lubricate cable and grip housing."
Wheels and tires	<ul style="list-style-type: none">• Check for damage.• Check tire condition and tread depth.• Check air pressure."
Brake levers	<ul style="list-style-type: none">• Make sure that operation is smooth. Lubricate lever pivoting points if necessary.
Main stand	<ul style="list-style-type: none">• Make sure that operation is smooth. Lubricate pivot if necessary.
Chassis fasteners	<ul style="list-style-type: none">• Make sure that all nuts, bolts and screws are properly tightened. Tighten if necessary.
Instruments, lights, signals and switches	<ul style="list-style-type: none">• Check operation, correct if necessary
Battery	<ul style="list-style-type: none">• Check the charge level.• Charge battery, or replace if defective."

OPERATION AND IMPORTANT RIDING POINTS

Warning

- Before riding the vehicle, please make sure that you are fully familiar with all operating controls & their functions before riding. To consult a dealer shop if you not thoroughly understand.

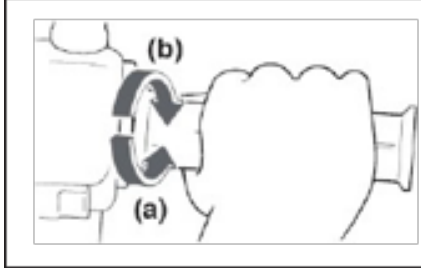
STARTING THE ENGINE

To start the engine you have to turn the main switch to  and press the starting switch.

STARTING OFF

1. Sit astride the seat, and then adjust the rear view mirrors.
2. Switch the turn signal on to the direction you wish to turn.
3. Check for oncoming traffic.
4. Slowly open the throttle to accelerate.
5. Switch the turn signal off.

ACCELERATION / DECELERATION

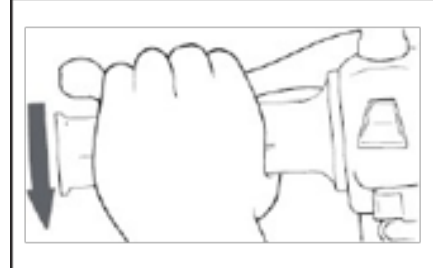


The speed can be adjusted by opening and closing the throttle. To increase the speed, turn the throttle grip in direction (a). To reduce the speed, turn the throttle grip in direction (b).

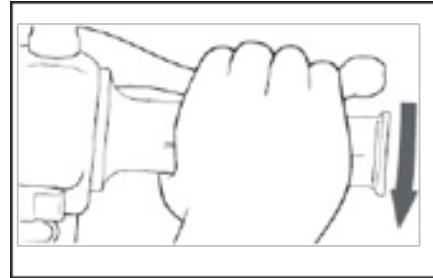
BRAKING

1. Release the throttle.
2. Apply the front and rear brake at the same time.

Rear



Front



Warning

- Avoid braking hard or suddenly, otherwise the vehicle may skid.
- Railroad crossings, streetcar rails, iron plates on road construction sites, and manhole covers become extremely slippery when wet. Therefore, slow down when approaching such areas and cross them with caution.
- Keep in mind that braking on a wet road is much more difficult.
- Ride slowly down a hill, as braking downhill can be very difficult.

STOP THE ENGINE / PARKING

1. Reduce the throttle to 0 position.
2. Operate the brakes
3. Once the vehicle is stopped turn off the ignition.
4. Lower the side /main stand with your foot while holding the motorcycle upright. Remove the key from the main switch.

PERIODIC MAINTENANCE AND MINOR REPAIR

⚠ Caution: Most of the Safety and condition of vehicle depend on how you do the correct maintenance , periodic inspection, adjustment and lubrication. The following are contents that help the operator to do such skills on the following pages.

⚠ WARNING
Maintenance, replacement, or repair of the emission control devices and systems may be performed by any repair shop or individual that is certified and must follow the local law regulations. If you are not familiar with maintenance work, have a dealer do it for you.

OWNER'S TOOL KIT

The owner's tool kit is located under the seat.

The service information included in this manual and the tools provided in the owner's tool kit are intended to assist you in the performance of preventive maintenance and minor repairs. However, additional tools such as a torque wrench may be

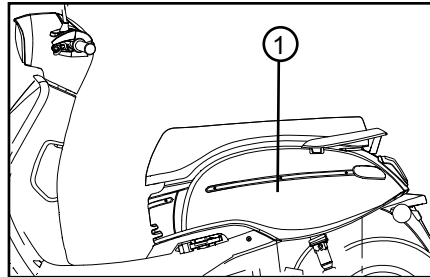
necessary to perform certain maintenance work correctly.

⚠ Caution: If you do not have the tools or experience required for a particular job, have a dealer perform it for you.

⚠ WARNING
Modifications not approved by maker may cause loss of performance, excessive emissions, and render the vehicle unsafe for use. Consult a dealer before attempting any changes. Modifications without authorization of the manufacturer cause void the warranty.

BATTERY

The battery (1) is located under the seat.



TIRES

To maximize the performance, durability, and safe operation of your vehicle, note the following points regarding the specified tires.

Tire air pressure

The tire air pressure should be checked and, if necessary, adjusted before each ride.

Tire air pressure:

Front: 2.2 bar - 2.3 bar
Rear: 2.2 bar - 2.3 bar

Total weight of rider, passenger, cargo and accessories!

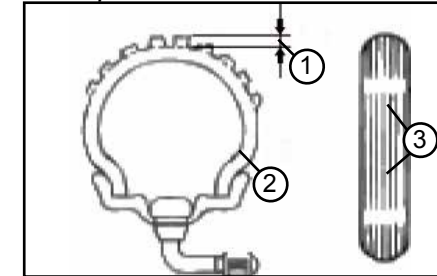
⚠ WARNING
The tire air pressure must be checked and adjusted on cold tires (i.e., when the temperature of the tires equals the ambient temperature).
The tire air pressure must be adjusted in accordance with the riding condition. If you are not familiar to this, please have dealer for help.

⚠ WARNING
Maximum load*: 150kg

Do not over load your vehicle, since it will increase pressure on the tire, braking, steering than original design, and may could cause damage or even lead to accident.

Allocation of your cargo and weight of your vehicle is very important for your own safety and vehicle performance. Load your cargo rmlly on vehicle and put the heaviest cargo to the center of vehicle, then distribute the weight evenly from side to side. It will keep you to have good steering after load.

Tire inspection



1. Tire tread depth
2. Tire sidewall
3. Tire wear indicator

⚠ WARNING
The tires must be checked before each ride. If a tire tread shows crosswise lines (minimum tread depth), if the tire has a nail or glass fragments in it, or if the sidewall is cracked, have a dealer replace the tire immediately.

⚠ Caution
The tread depth may vary depending on country. Observe local regulations. The values listed here are technical values and may differ from the legal values of your region.

Minimum tire tread depth:
Front and rear: > 1.6 mm

⚠ WARNING
• Drive with worn tire is illegal, reduces stability and can lead to loss of control over the vehicle.
• Let worn or damaged tires replaced immediately by your dealer.
• Working tires and the dealer is responsible.

Dimensions Tires / Rims
Front Rim: MT 2,75×12 Tire: 110/70-12
Rear Rim: 2,75×12 Tire: 110/70-12
Tyre type: Tubeless

RIMS

To maximize the performance, durability, and safe operation of your motorcycle, note the following points regarding the specified wheels.

- The wheel rims should be checked for cracks, bends or warpage before each ride. If any damage is found, have a dealer replace the wheel. Do not attempt even the smallest repair to the wheel. A deformed or cracked wheel must be replaced.
- The wheel should be balanced whenever either the tire or wheel has been changed or replaced. An unbalanced wheel can result in poor performance, adverse handling characteristics, and a shortened tire life.
- Ride at moderate speeds after changing a tire since the tire surface must first be “broken in” for it to develop its optimal characteristics.

BRAKE FREE PLAY

There should be no free play at the brake lever end. If there is free play, have a dealer inspect the brake system.

WARNING

A soft or spongy feeling in the brake lever can indicate the presence of air in the hydraulic system. If there is air in the hydraulic system, have a dealer bleed the system before operating the motorcycle. Air in the hydraulic system will diminish the braking performance, which may result in loss of control and an accident.

BRAKE PADS

The brake pads must be checked for wear at the intervals specified in the periodic maintenance and lubrication chart.

Brake pads

Each brake pad is provided with wear indicators, which allows you to check the brake pad wear without having to disassemble the brake. To check the brake pad wear, check the position of the wear indicators while applying the brake. If a brake pad has worn to the point that a wear indicator almost touches the brake

disc, have a dealer replace the brake pads as a set.

BRAKE FLUID

Insufficient brake fluid may allow air to enter the brake system, possibly causing it to become ineffective. Before riding, check that the brake fluid is above the minimum level mark and refill it if necessary.



DOT 4 break fluid

(Only use brake fluid out from an unopened container)

- Low position brake fluid level may indicate worn brake pads and/or brake system leakage.
- If the brake fluid level is low, be sure to check the brake pads for wear and the brake system for leakage.
- When checking the fluid level, make sure that the top of the master cylinder is level by turning the handlebars.
- Use only the recommended quality brake fluid, otherwise the rubber seals

may deteriorate, causing leakage and poor braking performance.

- Refill with the same type of brake fluid. Mixing fluids may result in a harmful chemical reaction and lead to poor braking performance.
- Be careful that water does not enter the master cylinder when refilling. Water will significantly lower the boiling point of the fluid and may result in vapor lock.
- Brake fluid may deteriorate painted surfaces or plastic parts. Always clean up spilled fluid immediately.
- As the brake pads wear, it is normal for the brake fluid level to gradually go down. However, if the brake fluid level goes down suddenly, have a dealer check.

Changing the brake fluid

WARNING

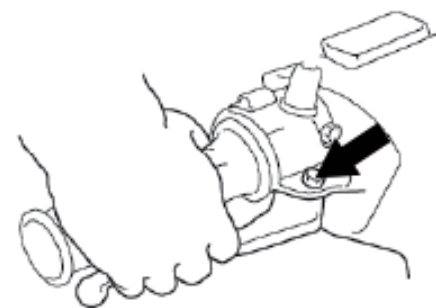
Have a dealer change the brake fluid at the intervals specified in the NOTE after the periodic maintenance and lubrication chart.

LUBRICATING THE BRAKE LEVERS

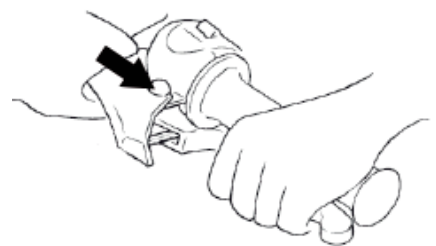
The pivoting points of the front and rear brake levers must be lubricated at the intervals specified in the periodic maintenance and lubrication chart.

nance and lubrication chart.

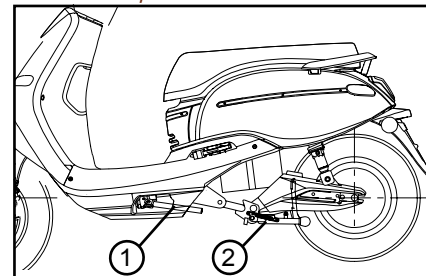
Front brake lever



Rear brake lever



SIDE STAND / MAIN STAND



Caution:

The operation of the side stand (1) and main stand (2) should be checked before each ride, and the pivots and metal-to-metal contact surfaces should be lubricated if necessary

WARNING

If the main stand does not move up and down smoothly, have a dealer check or repair it.

FRONT FORK

The condition and operation of the front fork must be checked as follows at the intervals specified in the periodic maintenance and lubrication chart.

WARNING

Securely support the motorcycle so that there is no danger of it falling over.

1. Place the vehicle flat and upright from.
2. Check the inner tubes for scratches, damage and oil leakage.
3. Apply the front brake and push the handlebars several times down hard to verify the suspension of the fork

WARNING

- When damage to the fork, please contact your dealer.
- If you treat the telescopic fork with cleaning agents, make sure that they get no contact with the tires or the brakes. This can lead to dangerous accidents.

STEERING

WARNING

Worn or loose steering bearings may cause danger. Therefore, the operation of the steering must be checked as follows at the intervals specified in the periodic maintenance and lubrication chart.

1. Place the vehicle on the center stand/suitable motorcycle stand to raise the front wheel off the ground.
2. Hold the lower ends of the front fork legs and try to move them forward and backward.
3. If any free play can be felt, have a dealer check or repair the steering.

WHEEL BEARINGS

The front and rear wheel bearings must be checked at the intervals specified in the periodic maintenance and lubrication chart.

If there is play in the wheel hub or if the wheel does not turn smoothly, have a dealer check the wheel bearings.

BATTERY

This model is equipped with a sealedtype (MF) battery, which does not require any maintenance. There is no need to check the electrolyte or to add distilled water.

WARNING

- Do not remove the battery vent seal, this can be dangerous, the battery permanently damaged.

- Battery acid is poisonous and dangerous, it contains sulfuric acid and leads to dangerous burns.
- Avoid skin, eye and clothing contact. Protect your eyes always when working near the battery.
- Upon contact with the battery acid, make immediate FIRST AID.
- If skin or eye contact with battery acid, rinse the affected areas with plenty of water.
- When accidentally swallowed battery acid drink large amounts of water.
- In both cases, as soon as possible, see a doctor.
- Batteries develop explosive hydrogen gas. Keep open flames, smoking materials away from the battery and make sure there is adequate ventilation when you charge a battery indoors.
- KEEP THIS AND ALL BATTERIES OUT OF THE REACH OF CHILDREN.

Charge the battery

Have a dealer charge the battery as soon as possible if it seems to have di-

charged. Keep in mind that the battery tends to discharge more quickly if the vehicle is equipped with optional electrical accessories.

Store the battery

- If the vehicle will not be used for more than one month, remove the battery, fully charge it, and then place it in a cool, dry place.
- If the battery will be stored for more than two months, check it at least once a month and fully charge it if necessary.
- Fully charge the battery before installation.
- After installation, make sure that the battery leads are properly connected to the battery terminals.

WARNING

Please contact your dealer if you are not familiar with handling the battery.

Always keep the battery charged. Storing a discharged battery can cause permanent battery damage.

FUSE

The fuse holder (1) is located behind seat lock.

Replacing the fuse

1. Turn the key to and turn off all electrical circuits.

2. Remove the blown fuse, and then install a new fuse of the specified amperage.

Specified fuse: 15 A

3. Turn the key to and turn on the electrical circuits to check if the devices operate.
4. If the fuse immediately blows again, have a dealer check the electrical system.

WARNING

Do not use a fuse of a higher amperage rating than recommended to avoid causing extensive damage to the electrical system and possibly a fire.

LIGHTING

This model is equipped with halogen bulb headlight. If the halogen bulb burns out, have a dealer replace it and, if necessary, adjust the headlight beam.

All other lights on this vehicle are equipped with LED. If a lamp is damaged, contact your dealer for replacement.

TROUBLESHOOTING

Although the vehicles receive a thorough inspection before shipment from the factory, trouble may occur during operation.

However, should your vehicle require any repair, take it to a dealer, whose skilled technicians have the necessary tools,

experience, and knowhow to service the vehicle properly.

Use only genuine replacement parts. Imitation parts may look like genuine parts, but they are often inferior have a shorter service life and can lead to expensive repair bills.

CLEAN AND STORAGE

CLEAN THE VEHICLE

Clean of the vehicle in proper and suitable way will make it attractive, extend it's life and optimize the performance.

Before cleaning

Close every caps, covers and electrical connectors to prevent them of getting wet while cleaning.

- Do not use acid-based cleaners. If such funds used for stubborn stains, so use this only occasionally, dry it immediately after and then apply a corrosion protection spray.
- Always follow the manufacturer's instruc-

tions on care and cleaning agents.

- Use best only water and mild detergent or special cleaner from the dealer to the sensitive components of the vehicle to prevent damage. Dry the plastic parts then wipe with a soft, dry cloth or sponge.
- Protect particularly plastic parts, paint, headlight glass from harsh chemicals such as fuel, rust remover, brake cleaner or similar. The use of such agents may result in malfunction, damage and affect the security itself.
- Do not use a high pressure washer or steam cleaner, causing water in storage can penetrate electrical components such as connectors or switches, lighting, brake shoes and brake linings or damage, seals, paint and other surfaces.

Cleaning after normal use

Remove dirt with warm water, a mild detergent, and a soft, clean sponge, and then rinse thoroughly with clean water. Use a brush for hard-to-reach areas.

Cleaning after riding in the rain, near the sea or on salt-sprayed roads

Since sea salt or salt sprayed on the roads during winter are extremely corrosive in combination with water, carry out the following steps after each ride.

- Clean the vehicle with water and a mild detergent.
- Do not use hot water, which increases the corrosive effect of the salt.
- Apply a corrosion protection spray on all metal, including chrome- and nickel-pla-

ted, surfaces to prevent corrosion.

After cleaning

- Dry the vehicle.
- To prevent rust, we recommend appropriate care to use according to manufacturer's instructions.
- Wax all painted surfaces.

WARNING

- Make sure that there is no oil or wax on the brakes or tires.
- If necessary, clean the brake discs and brake linings with a regular brake disc cleaner and wash the tires with warm water and a mild detergent.
- Before operating the vehicle, test the braking performance and tires.

STORAGE

Short-term (for a few days)

- Always store your vehicle in a cool, dry place and, if necessary, protect it against dust with a vehicle cover.

WARNING

Please store the vehicle in a well air flow room with dry air if possible. A place with

wet humidity will cause rust.

Long-term (for weeks)

- Clean the vehicle.
- Check and correct tire pressure and lift the vehicle off the ground, so that neither of the two wheels is on the ground. If this is not possible, turn the wheels every month a little further, so they do not constantly the same place standing (Stand damage).
- If you are not using the vehicle for an extended period of time, set the circuit breaker to „OFF“. During this time, the battery has to be charged according to the manual.

SPECIFICATIONS econeco S1

<i>BATTERY</i>	LITHIUM
<i>BATTERY VOLUMN</i>	60V20Ah
<i>CHARGE TIME(HOUR)</i>	8
<i>BATTERY CHARGE NUMBER OF TIMES"</i>	300
<i>INPUT VOLTAGE</i>	110V/220V
<i>MOTOR</i>	2000W
<i>MAX SPEED(KM/HOUR)</i>	25 - 45
<i>MILEAGE(KILOMETER)</i>	60
<i>CLIMBING ABILITY</i>	12%
<i>NET WEIGHT (KG)</i>	75
<i>FRONT TIRE</i>	3.00-10
<i>REAR TIRE</i>	3.00-10
<i>BRAKE</i>	DISC/DRUM
<i>FROTN/REAR ABSORBER</i>	FRONT HYDRAULIC REAR SPRING
<i>SIZE</i>	1670*700*1120
<i>WHEELBASE</i>	1200
<i>GROUND DISTANCE(MM)</i>	110

SPECIFICATIONS Revival

<i>BATTERY</i>	LITHIUM
<i>BATTERY VOLUMN</i>	60V32Ah
<i>CHARGE TIME(HOUR)</i>	5,6
<i>BATTERY CHARGE NUMBER OF TIMES"</i>	1000
<i>INPUT VOLTAGE</i>	110/220V
<i>MOTOR</i>	3000W
<i>MAX SPEED(KM/HOUR)</i>	25,45
<i>MILEAGE(KILOMETER)</i>	75
<i>CLIMBING ABILITY</i>	15%
<i>NET WEIGHT (KG)</i>	88
<i>FRONT TIRE</i>	110-70/12
<i>REAR TIRE</i>	110-70/12
<i>BRAKE</i>	DISC/DISC
<i>FROTN/REAR ABSORBER</i>	FRONT HYDRAULIC REAR SPRING
<i>SIZE</i>	1875*700*1140
<i>WHEELBASE</i>	1365
<i>GROUND DISTANCE(MM)</i>	140

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