

COUGAR MOBILITY SCOOTER

Owner's Manual



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I. INTRODUCTION

Read and follow all instructions, warnings, and notes in this manual before attempting to operate your mobility scooter for the first time. If there is any information in this manual which you do not understand, or if you require additional assistance for assembly or operation, please contact with your authorized local provider.

Whether to use your product safely is up to whether you follow the instructions, cautions and warnings in this manual. We are not liable for any damage and /or injures resulting from individual unsafe operation or failure to follow instructions, cautions and warnings in this manual.

These symbols below in this manual are used to identify warnings and important information. All of them are very important to your safety. It is strongly recommended that you should read and understand them completely.



WARNING! Failure to heed the warnings in the manual may result in personal injury.



ATTENTION! Failure to heed the cautions in the manual may result in damage to the mobility scooter.

To your safety, Please be sure to read all the operating instructions of the

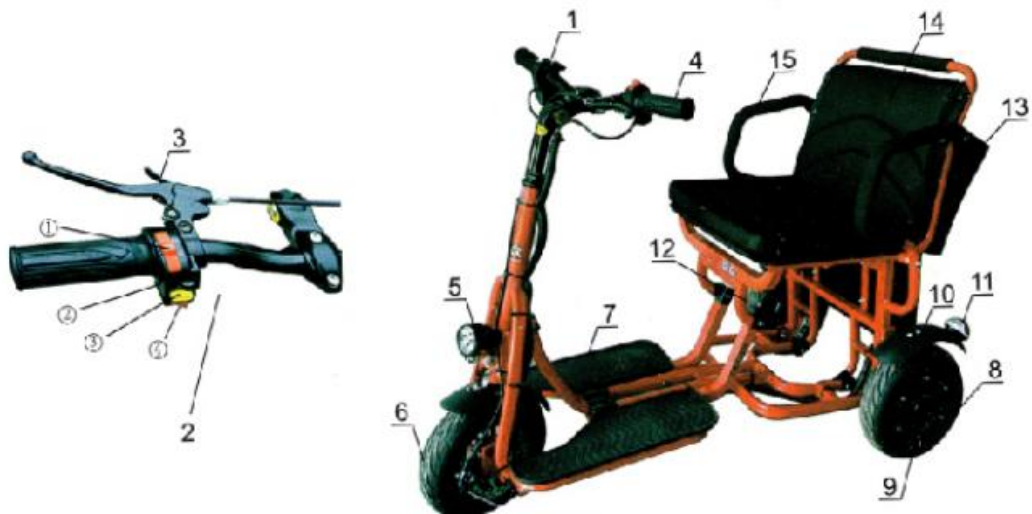
manual and follow them strictly when you use the mobility scooter for the first time. These instructions are fully for your vital interests. Comprehending the instructions is the basic protection for operating the mobility scooter safely.

Once you really comprehend how to operate and maintain the mobility scooter, we believe this product will bring you the service without worry and endless fun for years.

We will be appreciated to hear your suggestions for this manual and the evaluation to the safety, reliability of this product and the dealers authorized of this company.

II.STRUCTURE AND PERFORMANCE

This scooter mainly consists of below parts: scooter body, seat unit, armrest,handlebar, driving wheels, brake lever, anti-tipper, battery pack, front light, and controller.(See pic.1).



Pic.1

1. Control instruments

- ①Headlamps
- ②Fast slow gear
- ③Horn
- ④Forward/Reverse

2. Four switches

3. Brake pad

4. Handlebar

5. Light

6. Front Wheel

7. Anti slip foot pedal
8. Rear wheel
9. Motor
10. Mudguard tile
11. Reflective safety light
12. Battery box
13. Bag
14. Seat
15. Armrest

Table1 SPECIFICATIONS

Overall size (L*W*H)	1100*540*870mm
Battery	24V 12AH
Scooter weight(without battery)	20kg
Maximum speed	25km/h
Brake	Electromagnetic brake system
Weight capacity	120kg
Ground Clearance	80mm
Tyres	10inch solid tyre
Power of motor	24v 250w
Controller	24V 50A
Charger	DC24V2A
Max Grade Ability	12°
Running distance	16km

III.OPERATION

1. How to drive this mobility scooter

- a. Get on the scooter, fully insert the key to the key switch and turn on the power.
- b. Hold the handle with both hands, the gear modulates the forward gear, and the right hand slowly turns the handle to move forward
- c. Adjust the speed to S or L according to the road conditions, surrounding conditions and personal preference.
- d. When you want to stop, you just have to gently pinch the brakes and release the knob so you can stop smoothly.
- e. When retreating, be aware of your surroundings. Adjust the gear to reverse gear and slowly turn the grip with your right hand.

2. How to fold and unfold the scooter

① Unfold the scooter

Step1 : Turn on the electric vehicle and press down as indicated by the arrow until the seat is flat.



Step2: The electric vehicle is in a fully opened state



②Fold the scooter

Step1: Pull the electric vehicle upwards in the direction indicated by the arrow until the vehicle folds



Step2: The electric vehicle is in a folded state



3.Charging

The battery charger is important to the batteries . This off-board charger can charge your scooter's batteries safely, quickly and easily.

WARNING! Your scooter's batteries must be charged with the off-board battery charger supplied by us . Do not use any automotive-type battery charger.

Charging Batteries with the off-board Charger .

- ◆ The scooter can be charged with battery pack connected on the scooter.
- ◆ Position your scooter near to a standard wall outlet .
- ◆ Lift the cover on the battery box.
- ◆ Ensure the scooter is off power.
- ◆ Plug the output connector, off-board charger into the charging socket of the scooter
- ◆ The red light on the charger turns on that indicates charging on .
- ◆ When charging is nearly finished ,the green light turns on.You should continue to charge the batteries for one or two hours.
- ◆ It is recommended that your batteries are charged for 10 to 12 hours .
- ◆ When the battery pack is fully charged, unplug the input connector of

the charger from the wall socket and then its output connector from the charging socket of the scooter.

- ◆ The battery pack can also be charged off-scooter.

***Please turn off the power before charging.**

New Battery's Usage

To break-in new batteries for maximum efficiency , please follow the notes here below :

1. Fully charge any new battery prior to its initial use. This brings the battery up to about 90% of its peak performance level .
2. Operate your scooter throughout house and yard. Move slowly at first, and do not stay too far until you can skillfully driving your scooter and know how to control the driving distance from the battery condition indicator .
3. Give the batteries another full charge of 10 to 12 hours and operate your scooter again. The batteries will now perform at over 90% of their potential.
4. After four or five charging cycles , the batteries will top off at 100% charge and last for an extended period.

3. Tiller Console

The tiller console houses all of the controls required for driving your scooter, including the key switch, the speed adjustment button, throttle control lever, battery condition indicator, horn button and headlight button. With all of controls on the console you can control various motions of your scooter.

Key Switch

- ◆ Plug the key into the key switch.
- ◆ The dashboard lights up.
- ◆ The dashboard light is off when the key is plugged out.



WARNING!

Do not use the key switch to stop your scooter unless an urgent event has happened.

WARNING!

If your scooter has stopped for a long period, power down it to prevent unintended motion.

Throttle Control Lever

This lever is located on the right grip and allows you to control the ride of the scooter

- ◆ When the gear is in forward gear, the rotary grip scooter will start to move forward. Conversely, when the gear is in reverse gear, the rotary grip scooter will start to move backwards
- ◆ When you release the grip completely, and gently pinch the brakes, it

automatically return to the primary position, i.e. the stop position, and engages your scooter's brakes to slow the scooter until it comes to completely stop.



WARNING!

If your scooter occurs unintended motion , please release the throttle control lever immediately . The scooter will automatically come to stop unless this lever is out of order.

Speed Adjustment button

This button has only two gears that allow you to preset and limit the top speed of the scooter. The maximum forward speed is 25 km/h, and the minimum forward speed and maximum reverse speed are both 5 km/h. The minimum turning radius is 1.4m.



CAUTION!

Before you are master of operating, please preset this speed adjustment knob to the lowest position .

Battery Condition Indicator



- ◆ When your scooter is powered on, the instrument panel displays a 4-bar battery display

- ◆ When 4 bars are displayed, it means that the battery is fully charged.
- ◆ When 2 bars are displayed, it means that the battery remains at half capacity and needs to be charged.
- ◆ When 1 bars are displayed, it indicates that the batteries have been fully discharged ,and they need to be recharged immediately.

4.Off-board Charger

Open the hasp on the battery box, you can find a round charger socket.

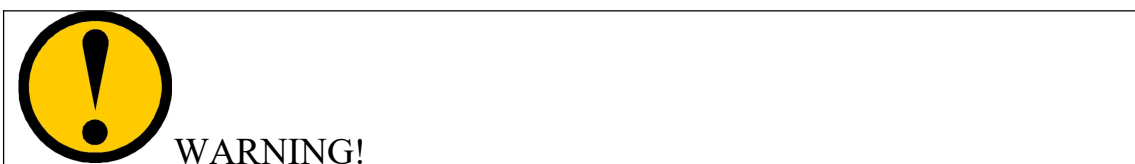
Through it you can use the off-board charger to charge your scooter's batteries. See Charging Batteries in this section.

Overload Protector

The overload protector is a safety device. When the overload occurs , this protector automatically trip to protect the motor and other electric devices. When the protector trips , your scooter will be powered down immediately . And then you should wait a minute at least before you can press the button on the protector , which is under the cover at rear body of scooter , to resume it . After that you can power up again and drive normally .

5.Pin Charger Socket

This socket is used to connect to the charger. When the batteries are charged, this socket makes your scooter out of work.



A wrong connection may cause damages to the charger.

IV.MAINTENANCE

General Guidelines

- ◆ Avoid knocking or bumping the tiller console and consoles.
- ◆ Avoid prolonged exposure of your scooter to extreme conditions, such as overheat, cold or moisture.
- ◆ Keep the tiller console clean.
- ◆ Check all connectors to ensure that they are tight and secured properly.
- ◆ Check all electrical connectors including the charger's connectors. Make sure they are all tight and are not corroded. Batteries must sit flat in the battery tray with the battery terminals facing backward and forward each other and with 3-pin charger socket backward.
- ◆ When you finished everyday usage, please pull out the key to reduce unnecessary consumption of the power.
- ◆ This product has the power saving facility, when you stop using it up to 20 minutes, the power will shut off automatically. When need drive again, please re-plug the key.
- ◆ The body shroud has been sprayed with a clear sealant coating, and you can apply a light coat of car wax to help it retain its high-gloss

appearance.

- ◆ All wheel bearings are pre-lubricated and sealed. They require no subsequent lubrication.

For keeping your scooter in a better condition, it should be checked before using. It is suggested that your scooter should be checked once per week and half a year as the following table 2.

Table 2 CHECK LIST

Check Items	At any time	Weekly	Monthly	Six monthly
All parts			●	
Turning, Driving, Devices etc.		●		
Brakes	●			
Connections		●		
Battery Charge	●			
Tire wear			●	
Motors				●
Console devices		●		
Clean	●			

V.CLEAN

- ◆ Controller: .Wipe the controller surface with a dry and soft cloth
- ◆ Motor : Clean the dirty on the surface of the motor, especially the dirty on the lead line of the motor. Forbidden to enter water. If the water exceeds 5cm, the motor will enter water, which may permanently damage the motor
- ◆ Body : The body shroud has been sprayed with a clear sealant

coating, and you can apply a light coat of car wax to help it retain its high-gloss appearance.

VI.SAFETY

1. Check Before Usage

- ◆ Check all electrical connections. Make sure they are tight and not corroded.
- ◆ Check all connections to the battery box. Make sure they are secured properly.
- ◆ Check the brakes. Make sure they are sensitive and reliable.
- ◆ Check the battery charge. See III Operation.

2. Weight Limits

Your scooter is rated for a 120kg maximum weight capacity limit.



WARNING! Exceeding the weight limit voids your warranty and may result in personal injury and damage to your scooter.

3.INCLINE INFORMATION



WARNING! When climbing an incline, do not zigzag or drive at an angle up the face of the incline. Drive your scooter straight up the incline. This greatly reduces the possibility of a tip or a fall. Always exercise extreme caution when negotiating an incline.

WARNING! Don't driving up or down a potentially hazardous incline (Areas covered with snow, ice, cut grass, or wet leaves etc.).

WARNING! Never drive down an incline backward. This could cause personal injury.

The maximum safe slope of an incline is of 8° for your scooter. If a slope is less than this angle, it is safety for your scooter whenever climb or descent.



WARNING! Any attempt to climb or descent a slope steeper than 8° may have your scooter unstable and cause it to tip, resulting in personal injury and/or damage to your scooter.

4. Outdoor Driving Surface

Your scooter is designed to provide optimum stability under normal driving conditions, level surfaces composed of concrete, blacktop, asphalt, or hard dirt. But you should avoid driving on the following roads:

- ◆ Surface that you feel unsure about or soft pavement.
- ◆ Tall grass that can become tangled in the running gear.
- ◆ Loosely packed gravel and sand beach.
- ◆ The max height of curb is 8cm.

5. Electromagnetic Interference

Electrical devices may be affected by Electromagnetic Interference (EMI) or Radio Frequency Interference (RFI) that are produced by radio waves from radio stations, TV stations and other radio transmitters. Like any electrical devices, your scooter may be affected by EMI/RFI. Especially, when your scooter is driven in the interference influence range of these radio transmitters. In this case

your scooter may be out of order due to their interferences.

6. Transfer Onto Or Off Scooter

To avoid an injury, the following safety precautions are useful for you while you attempt to transfer on or off your scooter.

- ◆ Remove the key from the key switch, see V. OPERATION.
- ◆ Ensure your scooter is not in free-wheel mode.

Flip up or move away the armrests.

- ◆ Reduce the distance between you and your scooter or an object you are transferring onto.
- ◆ Turn the front wheels forward to improve your scooter's stability during transfer.



WARNING! If unintended motion occurs due to EMI/RFI. Please immediately turn your scooter off and contact your authorized provider. We are not liable for any damage and/or injuries if failed to do so.

7. Inclement Weather Precautions



WARNING! Do not operate your scooter on slippery roads with ice or snow. Failure to do so may cause you injury and affect the performances of your scooter.

WARNING! Do not expose your scooter to any type of moisture at any

time (rain, snow, mist or wash). Such exposure will damage your scooter. Never operate your scooter if it has been exposed to moisture until it has been dried thoroughly.



WARNING! Before transferring, position yourself as far back as possible in the scooter seat to prevent the scooter from tipping and causing injury.

WARNING! Avoid putting all of your weight on the armrests. Failure to do so may cause your scooter to tip, resulting in your injury.

WARNING! Avoid putting all of your weight on the footplate. Such use may cause your scooter to tip, resulting in your injury.

VII.WARRANTY

All of design and production processes of our products are managed in accordance with ISO9001 to guarantee their quality.

Warranty Including

1. Five years warranty on the front and the rear main frames from the date of purchase.

2. One-year warranty on the following parts from the date of purchase:

- ◆ Electric control system and the controller.
- ◆ Motor/gearbox assembly.
- ◆ Charger.

3. Six-month limited warranty on batteries from the date of purchase.

Out of Warranty

- ◆ ABS Shroud worn out.

- ◆ Tires.
- ◆ Upholstery and seat.
- ◆ Damage caused due to wrong operation, accident and negligence.
- ◆ Damage caused due to improper operation, maintenance and storage.
- ◆ Business or other abnormal use.