

3-WHEEL MOBILITY SCOOTER

USER MANUAL



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Introduction

Dear Customer:

Welcome to join in the electric mobility scooter driver. To enjoy more safe and happy driving experience, you should be familiar with all contents in this operation instruction before driving. Your safety is not only related with your own alert & operating skill, but also related with if you know well about mechanical performance of this product. Each time, before driving, you should check it carefully. Besides, periodic maintenance is also very important. Please kindly note that only special repair station can know how to deal with the problem, and how to ensure optimum operation performance.

WARNING!!

1. Driving age should be according to local laws and ordinances that govern and/or restrict the use of electric mobility scooter. The laws and ordinances vary greatly from municipality to municipality, it is your responsibility to know and abide by your local restrictions.
2. Do not remove or dismantle the parts in private. Please contact with service center or dealer for replacement or repair parts.
3. Do not lend the vehicle to anyone that is not familiar with the riding process.
4. Avoid sudden stop or braking to prevent accident.
5. Avoid riding when drunk.

RIDING SAFETY

NOTES: You must be aware of all local laws and ordinances that govern and/or restrict the use of electric scooter, and please obey local traffic laws and pay attention the safety on the road, check the scooter before driving.

1. Check the tyre pressure regularly (front and rear 225kpa) before driving.
2. Check the functionality of the brakes and lamps.
3. Adjust your seat for easy operation.
4. Adjust the rear-view mirrors to your best visibility.
5. Check whether the battery is full before driving and start with low speed.
6. Slow down and avoid sudden braking in the turning.
7. Lock the scooter when you park.
8. Dry the scooter if it gets wet, so no creeping water can damage the electronics.

CAUTION: Modification is illegal. A modified vehicle will affect its structure or performance, which will shorten the vehicle's life. Modified will not be covered by warranty. No guarantee can be provided if you buy no original spare parts.

List of parts

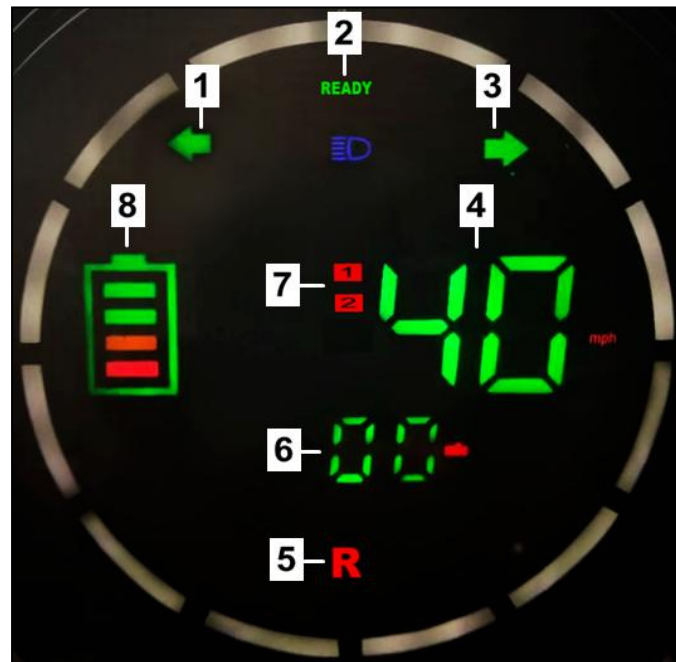
1. Front turn signal lights	10. USB charging socket
2. Head light	11. Reflectors
3. Handlebars	12. Right brake handle
4. Rear view mirrors	13. Crutch holder
5. Armrest	14. Hook
6. Top case	15. Support wheel
7. Rear wheel	16. Seat and backrest
8. Front wheel	17. Safety belt
9. Charging socket	18. Rear turn signal and brake lights



NOTES: 1. The above spare parts are only for reference. Any changes of spare parts or technology upgrades will presented to the final product without prior notice.

2. The picture is for reference only. Any discrepancy please adhere to the actual product instead.

FEATURES



Display

1. Turn left indicator light

This indicator light flash when the turn left light is activated.

2. High beam

Lights up whenever high beam is switched on.

3. Turn right indicator light

This indicator light flash when the turn right light is activated.

4. Speedometer

Turn the ignition on, it will show “P” here, which means parking. Press the “Start” button, the speedometer shows the current riding speed in mph. The vehicle is designed for a maximum speed of 25km/h.

5. Ready

It will show “R” when the vehicle is ready to ride.

6. ODO

The odometer shows the total distance you have traveled when turn the ignition on. During driving, it shows current distance you are traveling.

7. Gear indicator

The gear indicator shows the current gear the transmission is in.

Gear I max speed is 10 km/h,

Gear 2 max speed is 15 km/h,

Gear 3 max speed is 25 km/h.

8. Battery indicator

It indicates the state of battery. When it shows 50% or less, the battery will be run out soon, you should recharge the battery.



Ignition lock

1. Turning to this position, power on, vehicle can be driven, the key can not be pulled out at this time.

2. Turning to this position, power off.

3. Turning to this position, pull out the key. At this time, steering operation is forbidden.

The vehicle is locked.

The key is also used to open and close the top case and the trunk.



Protection switch

This switch is under the seat, you must turn to "ON" before driving the scooter.



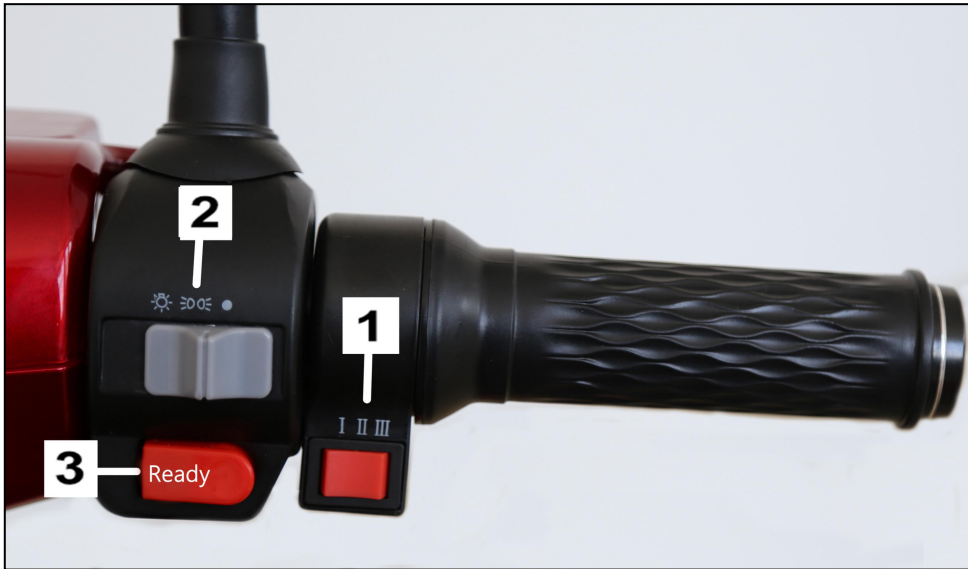
USB charging socket

Connect your phone or other device to the USB port to charge your device.



1. Front Disc Brake handle

2. Rear Drum Brake handle



1. Speed switch

Gear I max speed is 10 km/h,

Gear II max speed is 15 km/h,

Gear III max speed is 25 km/h.

Or 6km/h, 12km/h, 25km/h.

2. Light switch

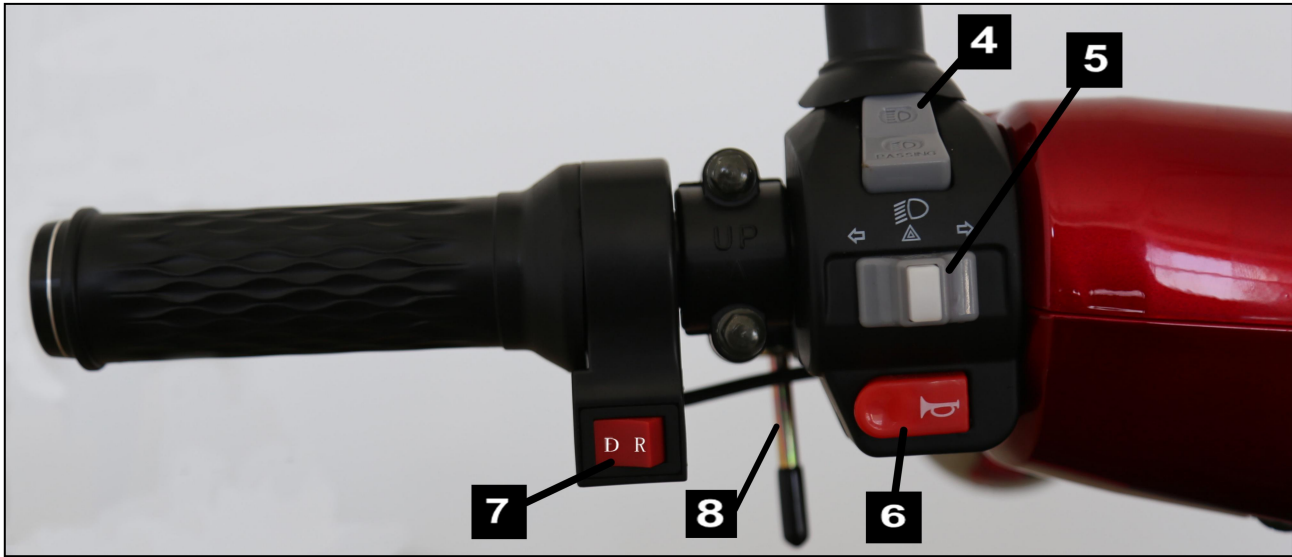
● At this position, head light is off.

☏ At this position, position lamp, tail lamp and instrument lamp are illuminated.

☀ At this position, head light is illuminated.

3. Ready switch

Turn the ignition key on, press the Ready switch, the vehicle will be ready to ride.



4.  High beam light &  low beam light

5. Turn light switch

 At this position, the flashing light stops or you press the switch.

 At this position, both front and rear left turn lights flash.

 At this position, both front and rear right turn lights flash.

6. Horn

7. Driving/ Reverse:

D-Driving gear & R-Reverse gear

8. Parking

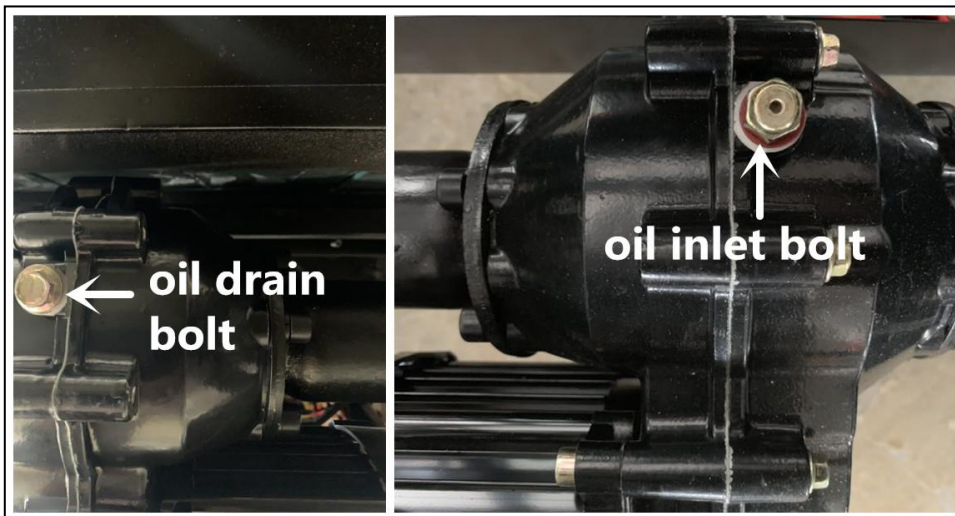
Parking brake should be checked before each ride and the metal-to-metal contact surfaces should be lubricated if necessary. If the parking brake does not move up and down smoothly, have a dealer check or repair it.



Seat adjustment

Pull up the lever, adjust the seat by moving forward or backward.

CAUTION: You must keep the scooter still when adjust the seat.
Make sure the seat is locked before driving.



Changing motor gear oil

Open oil drain bolt and oil inlet bolt, after the oil drained, screw on oil drain bolt, and pour the new oil into oil inlet, and screw on oil inlet bolt.

Changing Time

First time: about 1500km or 45days

Second time: 4500km or 90days

Low Viscosity Winter Gear Oils: From October to April

High Viscosity Summer Gear Oils: The rest months

The oil depends on the manufacturing date.

Brake

Replace the brake if you find it does not work well due to badly wear. If you use a new brake, make sure operate brake lever for several times before driving.

Tyre

Check the tyre before driving, if anything wrong, go to service station to fix it.

Replace the tyre if pattern depth reaches its limit (**front wheel:1.5mm,rear wheel:2.0mm**)

Keep correct tyre pressure (**front wheel: 250Kpa, rear wheel: 250Kpa**)

Note to charging and battery maintenance

1. The scooter uses the built-in charger and before charging, pull out the key, cut off the power and make sure the vehicle is locked.
2. Make sure the voltage is right before charging, and the standard voltage is 230V.
3. It is charging when the light is red, and the charging time is around 1-12h. If fully discharged, it costs around 10-12h. If the light turns green, the power is full. Please keep power full, charging it at least one time per month even if you don't drive the vehicle.
4. During charging, the charger shall not be covered and shall be kept away from heat source, otherwise, the battery would be damaged.
5. During charging, the temperature of charger rise up is a normal phenomenon. However, if over 65°C, stop charging and check whether it is full.
6. Charger should be prevented contact with the liquid or metal material inside, pay attention to safety when charging.
7. Charging when discharging to 50-60% of battery capacity would decelerate its decay and improve its service life, and do not overcharge the battery, never over 24h.
8. The charger is a high-tech electronic product and shall not be arbitrarily opened, otherwise personal injury would be occurred.
9. Lower temperature would somehow impact the battery charging and discharging capacity and in winter the sustained mileage would be reduced, which is a normal phenomenon.
10. Avoid exposing the vehicle to the hot sun, high temperature will reduce the battery life.
11. Avoid accelerating rapidly when the scooter just started, or go uphill, which could help to protect the battery.
12. The battery in the scooter is merely applicable to our own charger. Any other charger

shall not be used, or else the battery would be damaged.

13. If the mileage is greatly reduced in short time, it is very possible that one piece of the battery has problem, please go to service station to check and repair.

Daily Maintenance

1. Please regularly wipe the scooter and keep it clean. However, do not flush the electric parts and driving parts with water.

2. Please avoid putting the scooter under the sun, high temperature and wet environment place. In case of the rainy day outdoor, please protect the rotary handles, battery box and control box.

3. Don't arbitrary reassemble or reform the scooter and use the unqualified parts. Please purchase the wearable parts in our authorized service center.

4. Regularly check the brake, fasteners, and wearable parts whether loose and make timely repair in case of trouble found. Check all the lubricated parts whether is oiling, such as damper.

5. During driving, one should always check if wheels on normal rotation, tyre on sufficient pressure, brake on normal function, brake disc or brake drum for serious were-out and indication lamps for being normal.

6. During driving, keep away pointed objects on road, or the tyre would be punched.

7. The scooter shall be stand steadily to avoid over-turn.

TROUBLE SHOOTING GUIDE

	Troubles	Possible cause	Corrective measures
1	When turn on the power switch and adjust the speed handlebar, failed to start the vehicle	1.Loosing of motor connection plug 2.Loosing of battery's connection line 3.The brake disc or drum is not reset and is under the brake power-off state	1.Surely insert the plug 2.Surely fix the connection 3.Reset the brake disc or drum
2	Failure of speed adjustment or not free rotation of handle	1.loosing of adjustment handle plug 2.Loosing of magnet of adjustment handle	1.Surely insert 2.Solder and connect the wire 3.Replace fuse of the same specification
3	Charger fails to charge	1.Loosing of plug and socket of charge 2.Loosing of connection lines of battery set 3.The battery box charging fuse burnt	1.Surely insert 2.Solder and connect the wire 3.Replace fuse of the same specification
4	At charging, after inserting to power supply, the indication lamp fails to light on	Check of network	Power supply
5	Short sustained mileage of one cycle of charger	1.Insufficient charging of battery 2.Decay or damaged battery 3.Frequent braking or driving against wind or upslope	1. Sufficiently charge 2. Replace battery 3. Aids with pedal at this case
6	Other troubles	1.Abnormalities in hub motor, controller charger or battery 2.Other trouble impossible judge	Ask dealers or the authorized maintenance centers, not arbitrarily open and repair.

NOTE: If other problems occur, do not attempt to disassemble the scooter on your own, please proceed to the authorized dealer.

TECHNICAL PARAMETERS

NOTE: Under different models, the parameters may be different.

Model	CL-20N03-2
LxWxH	1750×710×1110mm
Wheel base	1130mm
Weight	114kg
Standard load	105kg
Max speed	25km/h
Mileage	42±5 km
Battery	Lead acid
Battery type	60V 20Ah
Motor	Brushless motor
Motor power	1000W
Trye	3.00—10
Charging time	6-8h
Undervoltage protection value of controller	52V
Overcurrent protection value of controller	30A
Climbing angle	20°
Charging current	2.8-3A

Thank you