



C.T.M. MOBILITY SCOOTER

HS-226 Instruction Booklet



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1.INTRODUCTION

Thank you and congratulations on purchasing your new C.T.M. Mobility Scooter. It is designed to provide you with transportation ability indoors and outdoors.

We pride ourselves on providing safe and comfortable products. Our goal is to ensure your complete satisfaction with our product. We are certain that you will enjoy your C.T.M. mobility scooter.

Please read and observe all warning and instruction provided in the owner's manual before operating this scooter. Also, retain this booklet for future reference.

In case of a serious incident with the product, you should inform the manufacturer and the competent authority in your country.

If you have any questions, you can contact:



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2.IMPORTANT PRECAUTIONS

2-1 BEFORE DRIVING SCOOTER

- * Before using the scooter, make sure you understand how to use and operate it. Please read this manual carefully and remember the instructions.
- * Check your personal health before driving the scooter, and make sure you fully understand how it works.
- * Do not assemble, maintain, or use the scooter before reading this manual.
- * Before charging, remove the circuit breaker sticker on the battery box to activate the system (refer to 3-1 Label Description ③).
- * The scooter only has about 30% battery when shipped. Please fully charge it before use for best performance and longer battery life (refer to 6).
- * According to traffic rules, mobility scooters are seen as "pedestrian aids" and must follow pedestrian signals and rules.
- * Only use the scooter on park roads or walking areas.
- * Be extra careful when riding in busy areas with lots of traffic or people.
- * Do not use the scooter if you have been drinking, are tired, or have taken medicine that may affect your ability to drive safely.
- * Avoid riding the scooter at night to stay safe.
- * When getting on or off the scooter, always make sure the power is turned off (refer to 4-2 LED Panel Settings – Main Power Switch).
- * Before riding, check that the seat is locked in place (refer to 5-3 Easy Disassembly). Do not ride if the seat is not secured.

● Practice Tips

- * If you are new to driving a scooter, it is a good idea to practice in a clear, safe space on an flat level surface. (I.e. Park, Playground).
- * Basic functions to practice : Wig wag accelerate / Wig wag release / Stop / Reverse / Turn/ Ramp proceeding.
- * Set the speed control to its lowest speed (refer to 4-2 LED PANEL SETTINGS), slightly increase the speed when you are getting familiar with the scooter.



Warning

- * Do not turn on the power or try to drive the scooter before sitting safely and steadily.
- * Always turn off the main power switch (OFF) when stopping or leaving the scooter (refer to 4-2 LED Panel Settings – Main Power Switch). This helps avoid accidental movement if your elbow, clothes, or other items touch the throttle (refer to 3-2 Equipment Introduction).
- * Keep your body steady while sitting. Do not stretch or bend too much, to avoid tipping over or falling.
This scooter is for one person only. Do not carry more than one person to prevent accidents or danger.



Suggestion

- * Please observe all relevant rules and regulations pertaining to pedestrians and road users, at all times when you are driving the scooter.
- * Practice operating your scooter in the presence of an attendant.
- * Remember that only with practice will you become a competent driver. Practice these basic functions until you feel that you have control of your scooter.

2.IMPORTANT PRECAUTION

- * Before using the scooter for the first time, fully charge the battery to make sure it works at its best. (refer to 6-2 Charging Instructions)
- * The maximum weight limit is 136 kg. Do not overload or add extra weight, as it may cause the scooter to lose balance and become dangerous.
- * This scooter is for one person only. Do not carry another person (even a child) to avoid accidents or tipping over.
- * Do not change, remove, or modify any parts or safety features (such as anti-tip wheels, armrests, seat, or body panels), as this can cause injury or damage.
- * Do not open or take apart the battery box on your own, as it could be dangerous.
- * Avoid riding the scooter at night, in the rain, or during bad weather.
- * Some parts of the scooter are fire-resistant.
- * Do not ride the scooter while it is being transported (by train, car, or boat). If there is an accident, the user could be thrown from the scooter and injured.
- * Do not turn off the power switch while driving (refer to 4-2 LED Panel Settings – Main Power Switch), as this may cause the scooter to stop suddenly and result in injury or damage.
- * The tiller adjustment knob is only for adjusting the steering angle. Make sure it is always locked in place to stay safe.
- * If the scooter breaks down, remove the battery carefully. Store it safely and avoid bumping it. Touching the battery terminals by mistake could cause a short circuit. (refer to 7-1 Basic Maintenance Tips)



Warning

- * Do not wash the scooter with water or leave it in wet places like rain or snow. This can damage the electronic parts, make the scooter break down, and cause the metal parts to rust.
- * Do not remove the anti-tip wheels. We strongly recommend using them. If they are broken, repair them quickly to avoid the risk of the scooter tipping over (refer to 3-2 Equipment Introduction).
- * Do not use parts, accessories, or chargers that are not made for this scooter.
- * Do not add extra weight to the scooter, as it may cause balance problems.
- * If the scooter is acting abnormally, stop using it immediately. Turn off the power (OFF) and contact your dealer for help.
- * The scooter may stop suddenly due to issues like malfunction, low battery, overload, or EMI (electromagnetic interference), so please stay alert.



Suggestion

- * Antistatic Measures:
 1. Maintain indoor humidity above 50% to avoid excessive dryness.
 2. Riders should stay adequately hydrated.
 3. Apply moisturizing lotion to hands to enhance skin hydration.
 4. Choose cotton clothing to prevent static electricity between the body and clothes.
 5. Choose shoes with plastic soles to reduce static charge acation.

2.IMPORTANT PRECAUTION

2-2 CAUTIONS WHEN DRIVING

- * Please do the daily check before your journey always. (refer to 7-2 Inspection Plan)
- * Do not stretch your body out on the scooter.
- * Please make sure your safety when crossing the level crossing.
- * Do not use the mobile phone and wireless mobile devices. (refer to 2-5 Electromagnetic Interference and Warnings)
- * Do not use the batteries of mobility scooter to charge any other electric devices, expect the accessories from original manufacturer.
- * Do not drive on slope over the limit.(refer to 9 Technical specification curb climbable)
- * Do not drive to across the obstacle over the limit. Please bypass. (refer to 2-5)
- * Do not attempt to drive the scooter under below hazardous road condition. If necessary, please drive it in the presence of an attendant :
 - Dark, bad weather such as in rain, snow, mist, storm, and poor visibility.
 - Narrow paths, level crossing, and uneven terrain.
 - Wet grass, sand, gravel, or any other potentially hazardous condition.
- * Ensure that the lights of scooter are turned on while driving at night or in poor visibility.
- * Please stop operating the scooter if the batteries have drained, continuous operation may damage the scooter.
- * For maximum stability, lean forward in your body while proceeding up ramps,inclines, curbs, or any low rise. (please refer to following picture)

On flat road



Normal flat road driving pose.

On slope



Leaning forward during slope conditions enhances stability.



Suggestion

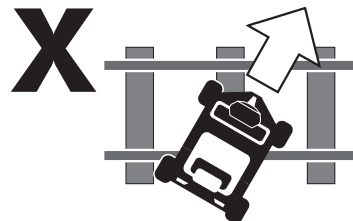
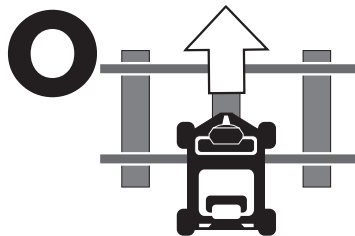
- * When turning, reduce your speed ,make a larger turning radius and maintain a stable center of gravity.This greatly reduces the possibility of a tip or fall.
- * Always follow the local pedestrian traffic rules when riding outside.

2.IMPORTANT PRECAUTION



Warning

- * When descending an incline, use the slowest speed possible. If the descent is too fast, release the throttle lever to stop the scooter. When ascending a slope, you can press the throttle lever slightly to increase speed.(refer to 4-2)
- * Do not turn off the power while driving.
- * Do not adjust the tiller angle, headlight switch, armrests, or seat while driving. (refer to 5-1 Basic Operation) This may cause danger.
- * Do not drive the scooter on escalators or stairs. Use an elevator instead to avoid the risk of tipping over.
- * Do not attempt to climb curbs greater than limitation show on Technical Specification.(refer to 9)
- * Do not make "S" turns or sharp turns while driving. This may cause the scooter to tip.
- * Never place the scooter in freewheel mode (Neutral)when on any sort of an incline or decline.When the scooter is parked, the lever for engaging and disengaging the motors must be locked firmly into the "DRIVE" position. (refer to 5-2 Free-Wheeling (N-D LEVER))
- * When crossing the railroad, make sure the wheels go over the rails at a 90-degree angle to avoid the scooter getting stuck.



2.IMPORTANT PRECAUTIONS

2-3 CAUTIONS WHEN DRIVING ON INCLINE

- * The scooter has been rated to a maximum climbable height, obstacle height, and gap. (refer to 9)
- * Never drive on a slope that exceeds the rated slope.
- * For the maximum climbing angle and weight limit, refer to the Fig 1.



- * Your scooter's ability to travel up inclines is affected by your weight, your scooter's speed, your angle of approach to the incline, and your scooter setup.
- * Please avoid to driving on a long ramp or any uneven terrain to prevent any danger from motor defected.

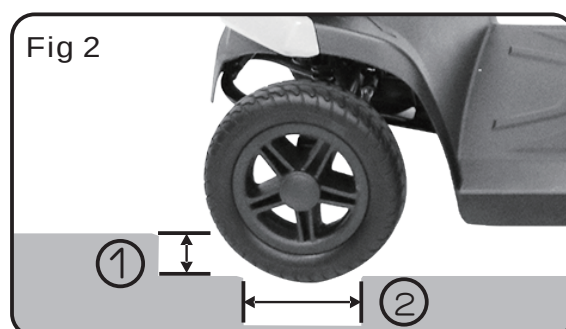


Warning

- * When driving down a ramp or uneven terrain, keep the scooter's speed adjustment set to the slowest to ensure a safely controlled driving.
 - * If the speed is too fast, release the throttle control lever, let the scooter stop.
 - * When you feel that you again have control of your scooter, push the throttle control lever forward and continue safely driving.
 - * To prevent danger, do not make quick turns while ascending or descending ramps.
 - * Drive close to roadside when descending. The batteries voltage normally will go up when driving on descending road. If the battery voltage becomes too high, the over-voltage protection will be activated by slowing the speed till the scooter stops (error light indicator will flash 3 times). Release throttle control lever and restart the scooter again.
 - * When parking, switch to "Drive"(D) position to engage the brakes and secure the scooter, preventing it from sliding. (refer to 5-2)
- Do not adjust any equipment while driving to avoid danger.

2-4 CAUTIONS WHEN CLIMBING

- * The maximum climbing angel is 5 cm ①
- * The maximum height of obstacle and curb that scooter can climb is up to 10 cm ②
- * When driving scooter on ramp, adjust body center of gravity for scooter stability (refer to 2-2).



2.IMPORTANT PRECAUTIONS

2-5 ELECTROMAGNETIC INTERFERENCE AND WARNINGS



Warning

It is very important that you read this information regarding the possible effects of Electromagnetic Interference on your mobility scooter.

Mobility scooters may be susceptible to electromagnetic interference (EMI), which is interfering electromagnetic energy (EM) emitted from sources such as radio stations, TV stations, amateur radio (HAM) transmitters, two-way radios, and mobile phones. The interference (from radio wave sources) can cause the mobility scooter to release its brakes, move by itself, or move in unintended directions. It can also permanently damage the mobility scooter control system. The intensity of the interfering EM energy can be measured in volts per meter (V/m). Each mobility scooter can resist EMI up to certain intensity. This is called its "immunity level." The higher the immunity level, the greater the protection. At this time, current technology is capable of achieving at least a 20 V/m immunity level, which would provide useful protection from the more common sources of radiated EMI. The immunity level of this mobility scooter model is not known.

There are a number of sources of relatively intense electromagnetic fields in the everyday environment. Some of these sources are obvious and easy to avoid. Others are not apparent and exposure is unavoidable. However, we believe that by following the warnings listed below, your risk to EMI will be minimized.

The sources of radiated EMI can be broadly classified into three types :

1. Hand-held portable transceivers (transmitters-receivers) with the antenna mounted directly on the transmitting unit. Examples include: citizens band (CB) radios, "walkie talkie," security, fire, and police transceivers, mobile phones, and other personal communication devices.



Suggestion

Some mobile phones and similar devices transmit signals while they are ON, even when not being used

2. Medium-range mobile transceivers, such as those used in police cars, fire trucks, ambulances, and taxis. These usually have the antenna mounted on the outside of the vehicle; and

3. Long-range transmitters and transceivers such as commercial broadcast transmitters (radio and TV broadcast antenna towers) and amateur (HAM) radios.



Suggestion

Other types of hand-held devices, such as cordless phones, laptop computers, AM/FM radios, TV sets, CD players, and cassette players, and small appliances, such as electric shavers and hair dryers, so far as we know, are not likely to cause EMI problems to your mobility scooter.

2.IMPORTANT PRECAUTIONS

Mobility Scooter Electromagnetic Interference :

Because EM energy rapidly becomes more intense as one move closer to the transmitting antenna (source), the EM fields from hand-held radio wave sources (transceivers) are of special concern. It is possible to unintentionally bring high levels of EM energy very close to the motorized scooter control system while using these devices. This can affect mobility scooter movement and braking. Therefore, the warnings listed below are recommended to prevent possible interference with the control system of the mobility scooter.

Warnings :

Electromagnetic interference (EMI) from sources such as radio and TV stations, amateur radio (HAM) transmitters, two-way radios, and mobile phones can affect mobility scooters. Following the warnings listed below should reduce the chance of unintended brake release or mobility scooter movement which could result in serious injury.

- 1.Do not operate hand-held transceivers (transmitters-receivers), such as citizens band (CB) radios, or turn ON personal communication devices, such as mobile phones, while the mobility scooter is turned ON;
- 2.Be aware of nearby transmitters, such as radio or TV stations, and try to avoid coming close to them;
- 3.If unintended movement or brake release occurs, turn the mobility scooter OFF as soon as it is safe;
- 4.Be aware that adding accessories or components, or modifying the mobility scooter, may make it more susceptible to EMI; and



There is no easy way to evaluate their effect on the overall immunity of the mobility scooter.

- 5.Report all incidents of unintended movement or brake release to the distributor listed on the inside front cover of this manual. Note whether there is a source of EMI nearby.

Important Information :

- 1.20 volts per meter (V/m) is a generally achievable and useful immunity level against EMI (as of May 1994). The higher the level, the greater the protection.
- 2.The immunity level of this product is at least 20V/m.

3.BASIC INTRODUCTION

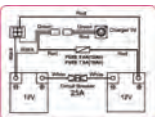
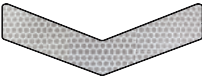
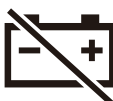
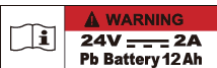
3-1 SAFETY WARNING AND INSTRUCTION LABELS



—— Stick on the outside

----- Stick on the inside.

(Please refer to the actual vehicle for final specifications.)

① 	Logo Sticker	⑤ 	Wiring diagram label (Stick in the battery box)
② 	Reflective sticker For safety and warning. Do not remove.	⑥ 	WEEE recycling symbol Recycle properly. Do not throw in trash.
③ 	Charge Port Cap Label Shows the charging port location. (refer to 7-2)	⑦ 	Power warning label Power is present at this location.
④ 	Instruction of battery lock nut (circuit breaker) label	⑧ 	Power off Indication Indicates the location to disconnect the battery. (refer to 5-3)
		⑨ 	Battery charging warning label Charger charging indicator and battery capacity description.

3.BASIC INTRODUCTION

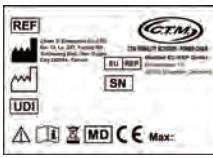
3-1 SAFETY WARNING AND INSTRUCTION LABELS



—— Stick on the outside

----- Stick on the inside.

(Please refer to the actual vehicle for final specifications.)

⑩ 	Warning Sticker 1.Please read the Instruction Booklet carefully before using your scooter. 2.Do not drive the scooter on slippery surfaces or on slopes over 6°~10° 3.Do not drive on highways, crowded roads, or unfamiliar areas. 4.Do not turn at high speed in either forward or reverse. 5.Do not wash with water or leave scooter in a humid environment since water can damage the electric parts. 6.Always re-engage the emergency freewheel device after use. 7.Always switch off the scooter before	⑬ 	N-D Lever Adjustment Label Which instructs freewheel mode operation.(refer to 5-2)
⑪ 	Transportation Warning Sticker The product needs to be tied down at indicated anchor points with a lashing system during transport. Do not use this device as a seat during transport.	⑭ 	Information Sticker states the date of manufacture and serial number of the scooter. This product needs recycling and must not be disposed of directly. - UDI Unique Device Identification - REF Model Number - MD Medical Device - SN Serial Number - Date of Manufacture - Manufacturer - EU Authorized representative - WEEE Conformity - Consult Instructions for Use - Warning - CE European Conformity Max: Maximum weight capacity
⑫ 	Armrest Adjustment Limit Adjustable width range of the seat armrest.	⑮ 	Model sticker

3.BASIC INTRODUCTION

3-2 EQUIPMENT INTRODUCTION

Before attempting to drive this scooter on your own, it is important that you familiarize yourself with the controls, and how to operate them.

Intended use : The C.T.M. Mobility Scooters provide a means by which a disabled occupant i.e. a disabled person or a person not having the full capacity to walk unaided to have mobility and the freedom to travel.

Indication : The occupant is a person who requires a mobility scooter due to current or anticipated mobility limitations. The C.T.M. Mobility Scooters are intended to be applicable to at least 50% of adult users, based upon the body size of adult users within the range 50th percentile adult female to 50th percentile adult male the abilities and with vary in weight.

Contra-indications : None known.



3.BASIC INTRODUCTION

3-2 EQUIPMENT INTRODUCTION

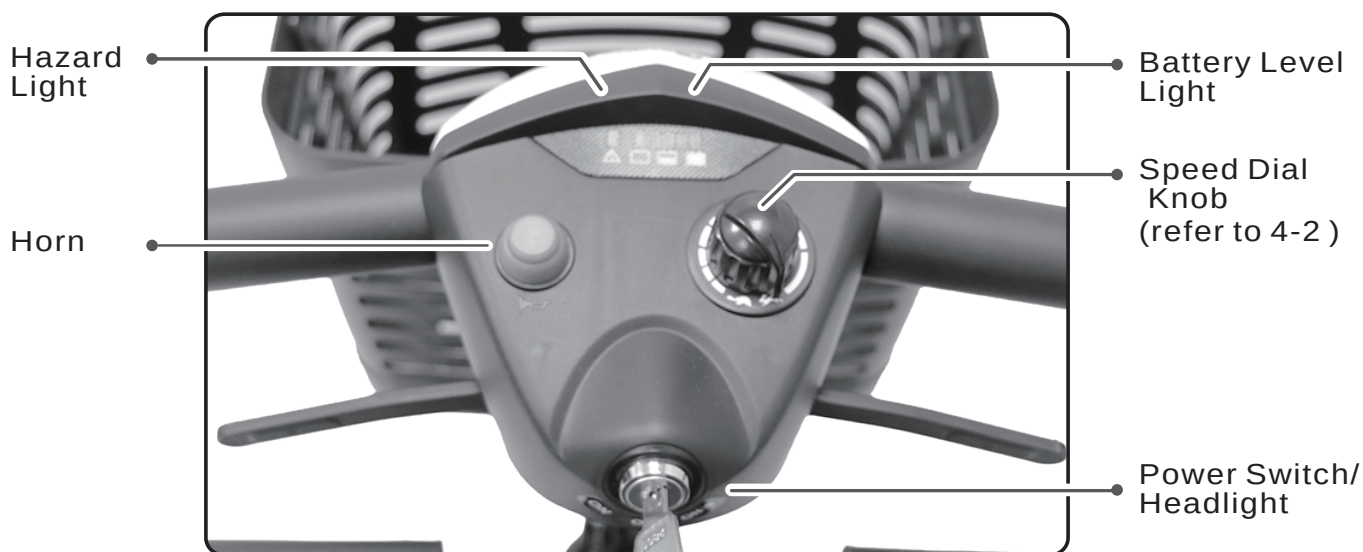
Item	Function Introduction
① Steering Handle	User handle
② Reflector	Warning and safety device . Do not remove.
③ Basket	Storage of items.
④ Head Light	Use of lighting.
⑤ Rear Wheels	PU / 50mmx2pcs
⑥ Charging Port	Refer to 7-2
⑦ Circuit Breaker	Before first use, remove the insulation sticker to activate the battery.
⑧ Seat	Used for seating.
⑨ Adjustable	Armrest angle adjustment. (Refer to 5-1)
⑩ Seat Adjustment lever	Seat rotation adjustment.
⑪ Battery Handle	Handling the battery box (Handle with care and place gently during transport.)

Item	Function Introduction
⑫ Battery Box	Mobility scooter battery. (refer to 6-1)
⑬ Reflector	Warning and safety device . Do not remove.
⑭ Control Panel	Refer to 4-2
⑮ Tiller	For driving
⑯ Tiller knob	Adjustable tiller angle (refer to 4-1)
⑰ Rear Wheels	PU / 50mmx2pcs
⑱ Throttle Lever	Forward / Reverse control lever.
⑲ Armrest adjustment triangle screw	Armrest width adjustment(refer to 5-1)
⑳ Frame separation handle	Lift upward to detach the front and rear frames.(refer to 5-3)
㉑ Reflector	Warning and safety device . Do not remove.
㉒ N-D Lever	Refer to 5-2
㉓ Anti-Tippers	Reduce the risk of tipping over.

(Please refer to the actual vehicle for final specifications.)

4.INTRODUCTION & OPERATION OF CONTROL PANEL

4-1 OPERATION PANEL



Icon	Buttm Name	Operation	Function
	Hazard Light		When a fault is detected, the status warning light flashes.(refer to 7-3)
	Battery Level Light		Displays remaining battery power.
	Horn	Press once for a short beep; press and hold for a long beep until the button is released.	Warning sound available when needed. Press short or long as required.
	Speed Dial Knob	Turn clockwise for 'High Speed'; turn underclockwise for 'Low Speed'.	Adjust the scooter speed.
	Power Switch (ON/OFF)/ Headlinh	Turn counterclockwise to turn on the headlight and power. (refer to 4-2)	Turn on the headlight and power.



Warning

- * Do not wash the panel with water. Avoid getting it wet outdoors to prevent water damage to the Panel.
- * Do not clean the buttons with organic solvents to avoid damage. (refer to 7-1)
- * Do not damage the buttons, as this may cause panel damage or malfunction.

4.INTRODUCTION & OPERATION OF CONTROL PANEL

4-2 LED PANEL SETTINGS

●Main Key Switch

- * Turn counterclockwise to turn on the main power only (ON). (Fig3)
- * Turn to the center position to turn off the main power (OFF). (Fig 3)
- * Turn clockwise to (ON) to turn on both the headlight and the main power. (Fig 4)



Fig 4

▲ Fig 3: Switch ON/OFF/Headlight

●Sleep Mode

- * After power on, if there is no operation for a long time (10 minutes), scooter will enter sleep mode. The control panel will shut off, and the scooter will be inoperable.
- * When entering sleep mode, the scooter will emit a long beep to remind you.
- * Restart the main power to return the operation mode.



Fig 5

●LED panel Indicator Guide

- * Press 【】 button to make an alert sound. Short press, short beep; long press, long beep. (Fig 6)
- * Operate the headlight switch 【ON 】 to turn on the headlight (refer to ●Main Power Switch) and provide front illumination. (Fig 7)

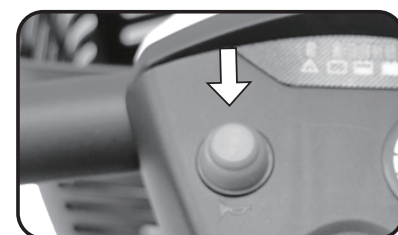


Fig 6



Fig 7

●Speed Dial Knob

- * Turn clockwise for 【High Speed 】; each step increases the speed.
- * Turn counterclockwise for 【Low Speed 】; each step decreases the speed.
- * There are 9 speed levels in total. (Fig 8)

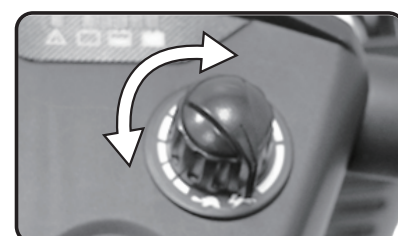


Fig 8



Warning

- * Turn on the main switch before riding. Turn it off after use to save power.
- * Avoid switching power or headlight during driving to prevent sudden stop and risk.
- * To turn on the headlight while riding, stop the vehicle in a safe place before switching it ON.

4.INTRODUCTION & OPERATION OF CONTROL PANEL

● Battery Level Light

- * The battery level is shown by three types of LED lights: one red, two orange, and two green.
- * When fully charged, the indicator lights up to the rightmost green LED.
- * When low on power, the indicator shifts toward the left, ending at the red LED.
- * Check the battery level before use. If the power is low, please charge fully before riding.

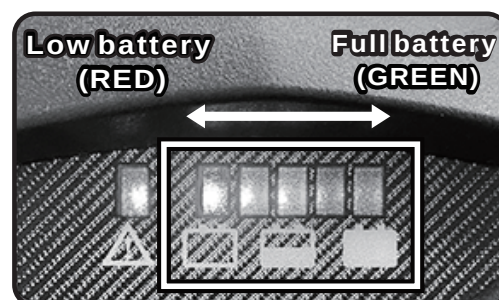


Fig 9

● Battery Level Indicator

	Battery Level Light	Battery level (%)
Full battery		< 80~100
Battery level: High		< 60~80
Battery level: Medium		< 40~60
Battery level: Low		< 20~40
Please charge immediately		< 20

- * **Low Power Warning:** When the main power is ON or during driving, an alert sound (BeBe--Be Be--Be Be) will play once when the power drops below 20%.



Suggestion

- * For longest life, your batteries should be recharged regularly. Please recharge the batteries before they run down to 20%.
- * Please note that the driving range of the scooter is influenced by the battery discharge rate. This depends on several factors such as environmental temperature, road conditions, tire pressure, rider weight, driving conditions (including slopes), and the use of lighting systems (if installed). We recommend testing your scooter's range under various conditions to ensure a safe journey.

5. OPERATING INSTRUCTIONS

5-1 BASIC OPERATIONS

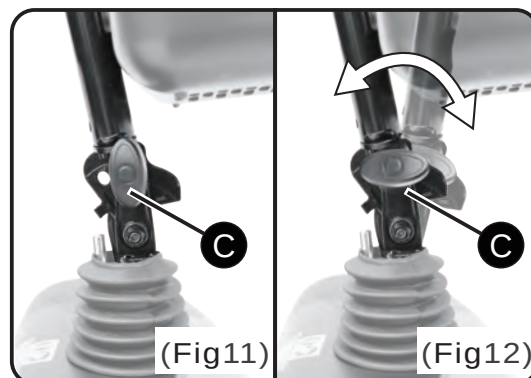
● Throttle Level

- * Pull "Throttle Level **A**" to move forward. (Fig10)
- * Pull "Throttle Level **B**" to reverse. (Fig10)
- * When the throttle level is completely released, the scooter slows down to stop.
- * Settings can be adjusted for both left and right. Please contact your dealer for assistance.



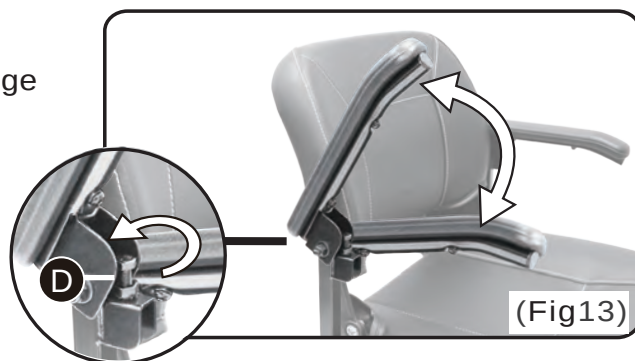
● Tiller Angle Adjustment

- * Turn the tiller knob **C** to the horizontal position (Fig12) to adjust the tilt angle of the tiller. You can choose from three tilt angles (matching the three holes).
- * After adjusting to the desired angle, turn the knob back to the vertical position and make sure it locks into place. This will keep the tiller fixed and prevent it from loosening or falling. (Fig11)



● Armrest angle Adjustment :

- * Adjust the screw **D** below the armrest to change its tilt angle.
- * Pull the armrest directly upward to position it vertically. (Fig13)
- * The armrest can be positioned vertically when getting on or off the scooter, making more easier to board or exit.



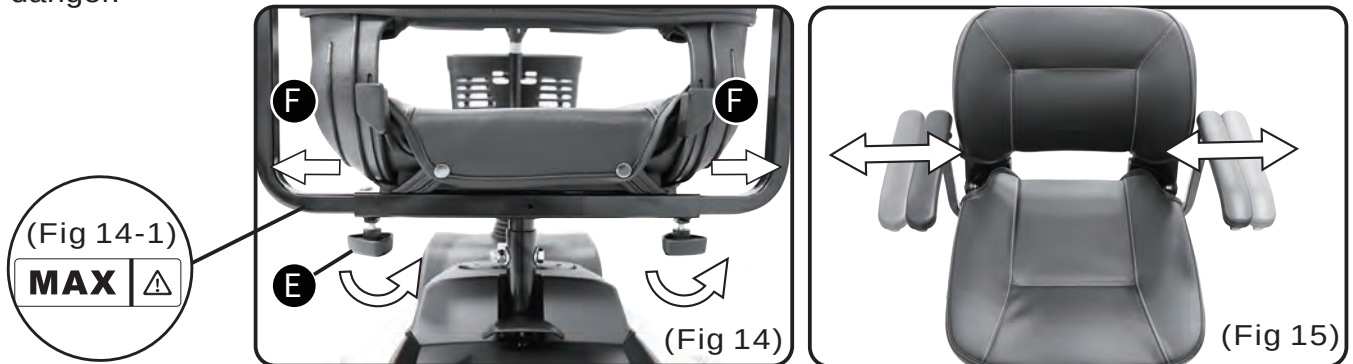
Warning

- * Always switch off the main power (OFF) when stopping or leaving the vehicle . Please do not lean on the throttle lever, and avoid unintentional contact by elbows, loose clothing, or other objects to prevent accidental start or sudden movement.
- * Do not lean on or hang items on the throttle lever to avoid accidental activation.
- * Do not pull the throttle with both hands simultaneously, as it may cause loss of control.
- * Be aware of your surroundings when reversing to avoid accidents.
- * Do not adjust the steering column while driving to prevent danger.
- * Always remain seated while driving; do not stand on the footboard.

5. OPERATING INSTRUCTIONS

● Armrest Width Adjustment

- * Loosen the triangular screw **E** under the seat. Adjust the handlebar to your desired width (Fig14 **F**). Do not exceed the range shown on the sticker (Fig14-1).
- * After adjusting, tighten the screw to prevent the handlebar from falling off and causing danger.



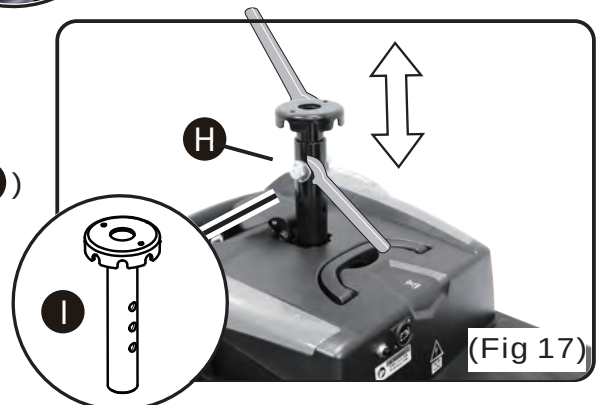
● Seat Rotation Adjustment

- * Push the seat rotation lever **G** down to turn the seat for easy exit (Fig16).
- * Release the lever to lock the seat in place.



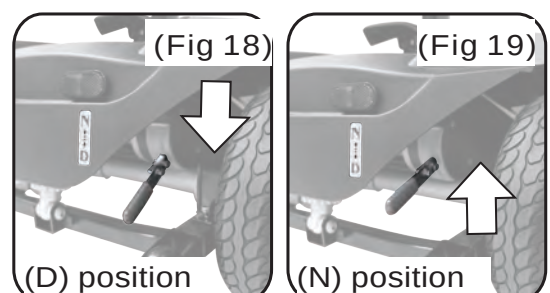
● Seat Height Adjustment

- * Remove the seat. (refer to 5-3)
- * After removing the nut **H** , choose the right height by using the three holes on the seat tube. (Fig17 **I**)



5-2 FREE-WHEELING (N-D LEVER)

- * When lever is in Drive (D) position, scooter can be driven.
- * Normal position is D. (Please make sure the lever is in Drive (D) position when power on or parking.)
- * When lever is in Neutral (N) position, scooter can be moved manually without power. (Please make sure the lever is in Neutral (N) position when you need to push the scooter.)



5. OPERATING INSTRUCTIONS



Warning

- * Do not adjust the seat while driving. Adjust it to a comfortable position before driving.
- * The scooter must be stopped and in Drive (D) gear when making adjustments to avoid movement.
- * Neutral (N) gear is only for flat surfaces or emergencies. Do not use N gear on slopes to prevent the scooter from sliding and causing danger.
- * When pushing the scooter in N (Neutral) gear, pushing too fast may cause the brake to activate and create resistance.

5-3 EASY DISASSEMBLY

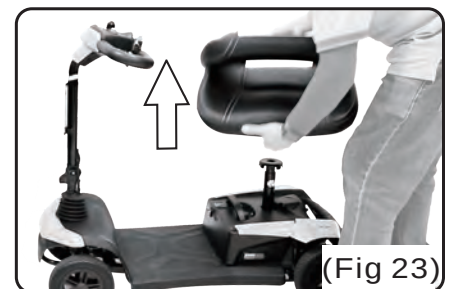
● Front Basket Removal

- * Lift the front basket upward to remove it.



● Seat Removal

- * First, loosen the triangle screw **E** under the seat and remove both armrests.
- * Push down the seat rotation lever **G** to turn the seat to the side (Fig 22). Then fold down the backrest.
- * Push down the lever **G** again and lift the seat up to remove it. (Fig 23)

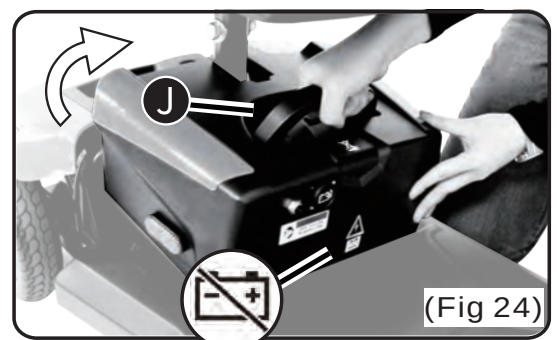


● Battery Box Removal

- * Hold the battery handle **J**, tilt the battery box slightly forward, then lift it up at an angle to remove it. (Fig 24)
- * To cut off power, remove the battery box as shown by the power-off label. (See 3-1 Label ⑧)

※ It is recommended to squat beside the scooter and use both hands to assist for safety.

※ Handle the battery carefully to avoid impacts that may damage the bottom connectors and cause poor contact or short circuits.



5. OPERATING INSTRUCTIONS

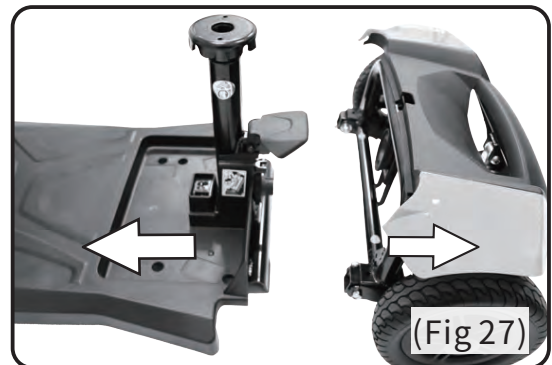
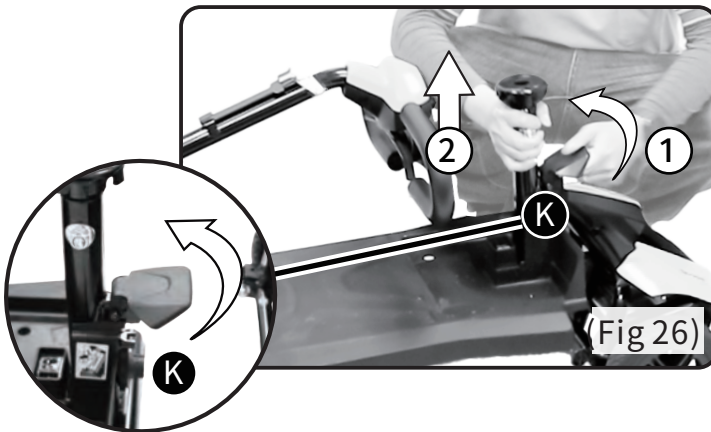
● Folding the Tiller

- * Turn the steering knob to horizontal (Fig 25 **C**), then press down the handle to fold the tiller.
- * Refer to 5-1.



● Separate the front and rear frames

- * Hold the seat tube and lift the frame release lever **K**, then pull upward (Fig 26). The front and rear frames will separate at the lifted part. (Fig 27)



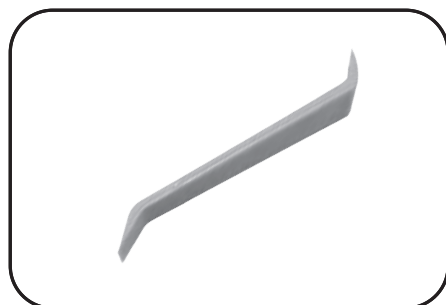
● Disassembly completed

- * Parts are shown as Fig 28.
- * To assemble, follow the steps in reverse order.
- * **Warning:** After assembly, make sure all parts are securely tightened and properly installed before use.



5. OPERATING INSTRUCTIONS

5-4 TRIM PANEL REMOVAL AND INSTALLATION- •REMOVAL



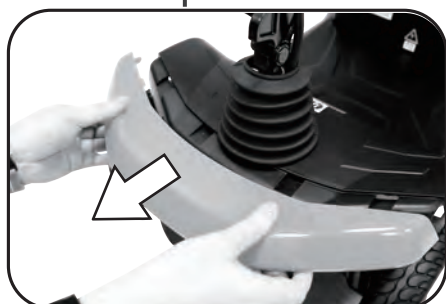
1. original pry tool



2. Use the original pry tool to open the car body along the seam.



▲ All trim cover pieces.



3. Remove the lower front trim cover.



4. Remove the battery box (see 5-3 Easy Removal). Insert the pry tool into the lower seam of the trim cover and carefully remove it.



5. Insert the pry tool into the seam, pry it up, and remove it.

5. OPERATING INSTRUCTIONS

5-4 TRIM PANEL REMOVAL AND INSTALLATION- •INSTALLATION



1. Make sure all clips and holes are properly aligned.



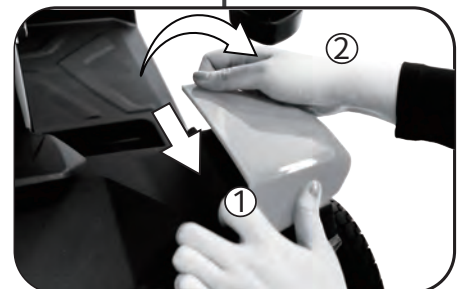
2. Install the front trim cover. Align the holes and press the clips in. You will hear a "click" when they lock.



3. Make sure the clips and holes are aligned, then install the lower front trim.



4. Install the battery trims on both sides.



5. Press the rear trim gently backward to install.



Warning

- * Please make sure the clips and holes are properly aligned. Do not force or pull hard to avoid damaging the cover.
- * Do not change the holes or structure of the vehicle by yourself to ensure the cover is securely installed.

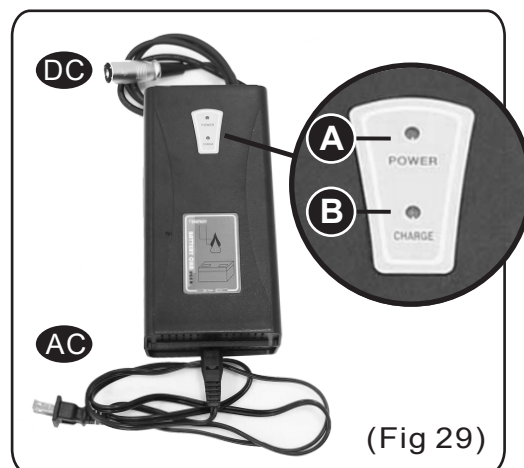
6.CHARGING INSTRUCTIONS

6-1 CHARGER INSTRUCTIONS

Charge the batteries fully before first use and recharge them after each day of use. Your scooter may come with 24V/4A lithium charger . Do not use a lead-acid charger for lithium batteries, as they are not compatible and may cause damage or danger.

● Lithium Battery Charger (4A) :

- * Output Voltage(AC) : 100V~240V
(The output plug may vary depending on the socket type in different regions.)
- * Input Connector(DC) : 4 pins connector 
- * Power Indicator : **A**
Red:Power on
- * Charger Indicator : **B**
Red:Charging
Green:Full charged
- * Charging Time to Full Power: About 9-10 hours .
(Please unplug the AC power cord after charging.)



● Charger Precautions

- * The charger LED light should indicate red when pre-charging. If not, please contact your authorized dealer.
- * During charging, the charger may become hot. Please do not touch it to avoid injury.
- * Do not drop, damage, or expose the charger to water to prevent malfunction and danger.
- * Charge in a ventilated indoor area, away from fire and flammable items.
- * After charging is complete, always unplug the charger to avoid slow battery discharge.
- * Inspect the battery charger before each use, make sure connectors are dry and clean.
- * Do not attempt to use an extension cord to plug in your battery charger.
- * To determine if the scooter is fully charged, rely mainly on the charging indicator light, using the battery level indicator as a reference.



Warning

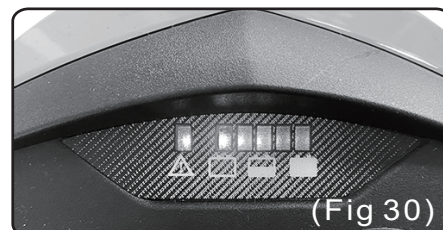
- * Only use the charger produced by the company; using other brands is prohibited to avoid damage and serious danger.
- * Do not modify the battery, as it may cause serious danger.
- * Please charge the scooter in 0°C ~ 40°C, out of this range might affect the performance of the charger and battery.

6.CHARGING INSTRUCTIONS

6-2 CHARGING OPERATION

● Battery Level Indicator

Before charging the scooter, please understand the type of battery used and the charger instructions. Make sure to read them first.

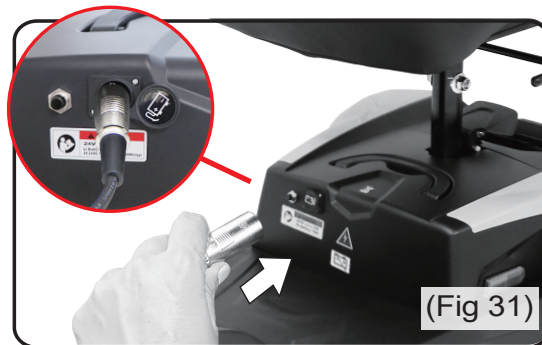


(Fig 30)

- * Before driving, please check if the battery has enough power (Fig 30). If the power is low, charge it first.
- * Battery Indicator Light – If only the left red light is on, please charge the battery immediately (refer to 4-2 Battery Level Indicator). The remaining power is only enough to ride about 2 km.

● Charging Directly on the Scooter (Recommended)(Fig 31)

1. Open the battery box charging port cover. (Fig 33)
2. Plug the charger output connector (DC) into the charging port. (Fig 34)
3. Plug the charger AC plug into a power outlet (100 – 240V). (Fig 35)
4. Check if the charger indicator/status light is working properly. (refer to 6-1)
5. When charging is done, the green light turns on. (Fig 36)

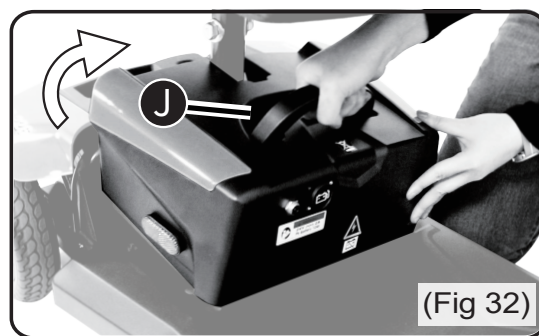


(Fig 31)

● Battery Box Charging

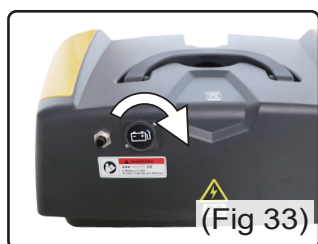
Remove the battery box

1. Hold the battery handle **J**, tilt the battery box slightly forward, then lift it up at an angle to remove it.(Fig 32)
- ※It is recommended to squat beside the scooter and use both hands to assist for safety.
2. Open the charger port cover. (Fig 33)
3. Plug the charger output connector(DC) into the charging port. (Fig 34)
4. Plug the charger's AC power plug into a power outlet (100~240V). (Fig 35)
5. Check if the charger indicator/status light is normal. (refer to 6-1)
6. When charging is complete, the green light will turn on. (Fig 36)



(Fig 32)

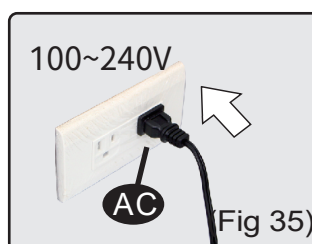
※Charging Complete:Please follow the reverse of Fig 35 → 34 → 33 to remove the charger.



(Fig 33)



(Fig 34)



(Fig 35)

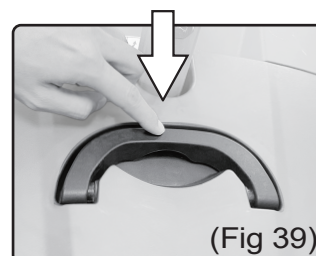
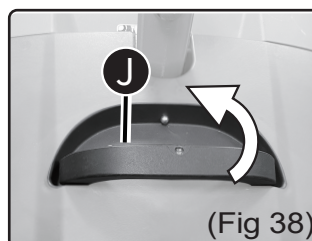
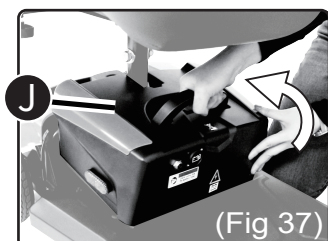


(Fig 36)

6.CHARGING INSTRUCTIONS

Install the battery box

7. Hold the battery box handle **J**, tilt the box slightly forward, then slide it back to connect with the base. (Fig 37)
8. Make sure the battery box is properly placed in the slot, then press down the handle. (Fig 38–39)



Warning

Install the battery box

- * Make sure the battery box is properly installed to avoid it falling off and causing damage while driving.
- * Be careful when placing the battery to avoid damage or short circuits.

Before charging

- * Before charging, park the scooter on a flat surface and turn off the power.
- * The above charging steps are for the 4A lithium battery charger. If another optional battery is used, the charging steps are the same.
- * To avoid damage or short circuits, it's recommended to charge the battery directly on the scooter instead of removing it often.

During charging

- * During charging, do not cover the charger with any items. Keep the surrounding area clean, well-ventilated, and strictly no smoking.

After charging

- * After charging, make sure to properly close the battery box/handlebar charging port cover to prevent water damage or malfunction, and to ensure the battery is fully secured to the scooter.
- * If the scooter breaks down and cannot be fixed by yourself, remove and store the battery properly before repair by the dealer to avoid deep discharge. (refer to 7-1 Basic Maintenance)
- * Don't drop, hit, turn over, or shake the battery. It may cause serious danger.
- * Dispose of used batteries according to local laws. Do not throw them away.
- * Failure to follow the above charging instructions, battery maintenance, or incorrect replacement may result in product malfunction or damage. The company will not be responsible for any such issues.

7 MAINTENANCE AND TROUBLESHOOTING

7-1 BASIC MAINTENANCE TIPS

● Maintenance Recommendations

- * It is recommended to regularly maintain the scooter to extend its lifespan, especially after rainy or humid seasons.
- * **Seat:** Wipe with soapy water. Do not use until fully dry.
- * **Frame:** Wipe with a damp cloth.
- * **Panels:** Wipe with a damp cloth, and apply wax for protection after drying.
- * **Park :** 1. Please avoid parking the electric scooter in direct sunlight, rain, or wet areas for long periods. If parking in such conditions is necessary, it is recommended to remove the battery box and store it in a suitable environment.
2. Ensure the seat is secured, the gear is in "D" position, and the power switch is "OFF" when parking.
3. Before maintenance, turn off the power and make sure the gear is in "D" position before starting any maintenance tasks.
4. If store the scooter in long time (one week or more), please disconnect the battery terminals and do not connect battery terminal [+] [-] with any metals to avoid danger.
- * **Storage :** Please store the scooter in a dry location. Do not store your scooter where it will be exposed to source of direct heat, damp, oil, acid, alkaline, or where Ozone could be possibly generated. All of the above will minimize scooter / tire cycle and shorten its lifetime.
 - * **Lead-Acid Battery storage temperature :** -30°C ~ +50°C
 - * **Lithium Battery storage temperature :** Less than 1 year : -20°C ~ +20°C
Less than 3 months : -20°C ~ +40°C
Less than 1 month : -20°C ~ +50°C

If the storage environment is out of the range, we suggest you to take out the battery box from scooter and store it respectively.

- * **Transportation :** The highest temperature during battery transportation should be lower than 60°C.



Warning

- * Do not drive on grass, sand, or uneven surfaces. Regular maintenance is required for this scooter.
- * Avoid using water, oil, or other chemicals to clean the scooter to protect the electronic components. Use a soft dry or damp cloth and a neutral cleaner.
- * Do not wash with direct water spray, as this may cause circuit malfunctions.
- * Do not use gasoline or volatile solvents, as they can deform or damage the covers.
- * Have the scooter serviced by a C.T.M certified dealer. Improper adjustments or service by unauthorized dealers may damage the scooter's functionality.
- * Wipe the tires with clean water only. Do not use cleaners to avoid damage or reduced traction.
- * If you notice cracks, damage, or low tread/pressure in the tires, go to the dealer where you purchased the scooter for replacement or repair.
- * All maintenance and repair of scooter MUST be done by an authorized dealer. ANY unauthorized adjustments, repair or service to the scooter may result injury to yourself or damage to scooter.

7 MAINTENANCE AND TROUBLESHOOTING

7-2 INSPECTION PLAN

Before starting each journey, please be sure to check your scooter. If you find any abnormal issues that you cannot resolve on your own, please contact the dealer from whom you purchased it immediately.

Daily Check :

Check point	Inspection	What to do if the inspection is failed
Horn	Check if pressing the horn makes a sound.	Please contact your dealer.
Lighting	Check that the headlight works properly.	Please contact your dealer.
Battery Level Light	Check if the battery display panel lights up.	Please charge immediately.
	Check if the battery gauge is displayed and whether it is at low power.	If the battery gauge is wrong, please contact your dealer. If the battery is low, please charge it immediately.
	Check if the low battery warning is shown.	Please charge immediately.
N-D lever	Check if N-D gear can switch smoothly.	Please contact your dealer.
Throttle lever	Check if the scooter moves forward and backward properly.	Please contact your dealer.
	Check if the scooter moves when the throttle lever is slightly pulled and stops when released, confirming the electromagnetic brake works properly.	Please contact your dealer.
Battery box	Check if there is cracks or damage, and if it's firmly installed to the scooter.	Please contact your dealer.
	Check if the voltage is normal.	Please contact your dealer.

WEEKLY CHECK :

Check point	Inspection	What to do if the inspection is failed
Speed Dial Knob	Check if speed changes normally.	Please contact your dealer.
Wheels / Tires	Check if the tire has cracks, deformation, and check that wheels rotate without wobbling. Tire tread depth is not less than 0.5mm. No foreign objects in tires.	Please contact your dealer.
Motor	Check for correct function, no noisy sound, malfunction or overheat.	Please contact your dealer.
Battery Charger	Check if the charger is functioning correctly and the batteries are charged.	Check the connection and make sure it is secure.
	Check whether the green light turns on after full charging period.	Please contact your dealer.

7 MAINTENANCE AND TROUBLESHOOTING

MONTHLY CHECK :

Check point	Inspection	What to do if the inspection is failed
Armrests	Check if the parts are clean and firmly tighten to the scooter and do not wobble. Tighten the screw knob that holds the armrest.	Make sure all screws are tightened securely.
Seat	Check if the seat surface is damaged.	Please contact your dealer.
tiller / tiller knob	Check if the positioning hole used for adjusting the tiller angle is properly locked and secured.	Make sure it is set up correctly and securely. If it still has a problem, contact your dealer.
	Check if the tiller is stable and not shaking.	Please contact your dealer.

SIX-MONTH CHECK :

Check point	Inspection
Electrical circuit	Check the scooter's electrical wiring. Visit your dealer for a full check every six months.

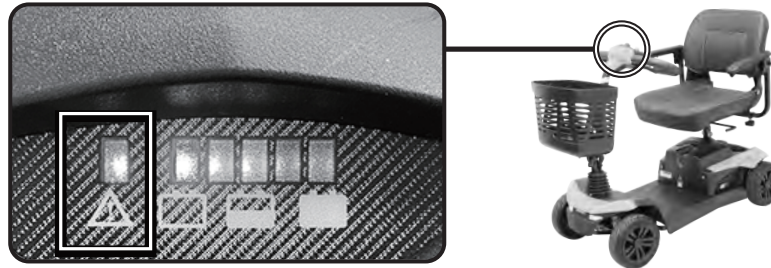
If the checklist, equipment, or functions do not match, please refer to the actual vehicle.

7 MAINTENANCE AND TROUBLESHOOTING

7-3 Fault Diagnosis

● Warning Light / Troubleshooting Guide

If there is a system error when the main power is turned on, the warning light will flash red. The number of flashes shows different error types. Please refer to the table below.



Number of Flashes	Fault Status	Action
1	Battery needs charging urgently.	The batteries are running low. • Recharge the batteries.
2	Battery is depleted.	The batteries have run out of charge. • Recharge the batteries. • Check the battery and associated connections and wiring.
3	Battery voltage is too high.	Battery voltage is too high. This may occur if overcharged and/or traveling down a long slope. • If traveling down a slope, reduce your speed to minimize the amount of regenerative charging.
4	Current or load exceeds the vehicle's limit.	The motor has been exceeding its maximum current rating for too long. • The scooter may have stalled. Turn the controller off, leave for a few minutes and turn back on again. • The motor may be faulty. Check the motor and associated connections and wiring. (see section 2-4)
5	Gear shift is not in D position.	Either a park brake release switch is active or the park brake is faulty. • Check the park brake and associated connections and wiring. • Ensure any associated switches are in their correct positions. • Switch to D (drive) position. Turn off the power and turn on again.
6	Throttle Not Centered	Turn on the power but the throttle is not in central position. • Ensure the throttle is in central position. • The Throttle may require re-calibration.
7	Starter lever is broken or faulty.	The throttle lever, speed limit pot. SRW or their associated wiring may be faulty. • Check the throttle lever and speed pot and associated connections and wiring.
8	Motor is broken or faulty.	The motor or its associated wiring is faulty. • Check the motor and associated connections and wiring.
9	Others	The controller may have an internal fault. • Check all connections and wiring.

Note : For 1/2/4/5 flashes, turn off the power, then restart or charge the scooter.

For 3/6/7/8/9 flashes, please notify a technician for repairs; do not attempt to fix it yourself.

8.OPTIONAL

Optional accessories are available. Please contact your dealer if needed.

9. TECHNICAL SPECIFICATIONS

Lithium Battery

Overall Length	1000 mm / 39.4"
Overall Width	610 mm / 24.0"
Overall Height	875 mm / 34.4"
Front Wheels	210 mm / 8.3"
Rear Wheels	210 mm / 8.3"
Weight W/ Batteries	42.1 kg / 92.8 lbs
Max. Speed	8 km / 5 mph
Weight Capacity	136 kg / 299.8 lbs
Ground Clearance	40 mm / 1.6"
Grade Climable	6 degree
Curb Climable	50 mm / 2.0"
Turning Radius	1370 mm / 53.9"
Suspension	Front & Rear
Brake	Electro-Mechanical
Seat Type	Swivel Padded Foldable
Seat Width	455 mm / 17.9"
Motor Size	24V / 250W / 4400 r.p.m
Battery Size	(1) 25.2V / 30.15Ah
Weight of Battery	5.3 kg / 11.7lbs
Travel Range	40 km / 24.9 Miles
Battery Charger	4A Off Board
Electronics	On / Off Key Switch, Battery Level Indicator, Speed Control Button

*Subject to change without notice. (2026/09/11)