



# Mobility Scooter

INSTRUCTION MANUAL

Model: W3331F

>>> English 1



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## 1.Introduction

Welcome to our corporation for purchasing the scooter. This scooter design combines the most advanced state-of-the-art components with modern, attractive styling. We are certain that the best performances, safety and comfort, and trouble-free operation of your scooter will add convenience to your daily living.

Many important safety, operation, and maintenance instructions are included in this Owner's Manual. We urge you to read the entire manual carefully and seriously before you attempt to operate your scooter for the first time. These instructions were compiled for your new scooter.

Our Corporation is not liable for damage to property or personal injury arising out of the failure of any person and/or user to follow the introductions and recommendations set forth in this manual or any other demands contained on a scooter itself features.

If you experience any problems with your scooter that you are not able to solve, or if you do not feel capable of safely following any of the instructions and/or recommendations contained in this manual, please contact your provider authorized by our Corporation for assistance.

Once you understand how to operate and take care of your scooter, we are sure that it will give you years of trouble-free service and enjoyment.

These icons shown below, which appear in the entire manual, are used for reminding you especially to pay attention to them, All of them related with your safety. So, it is strongly recommended that you should read carefully and understand them completely.



**CAUTION!**

**This icon indicates that the scooter maybe broken down if the information in this manual is ignored.**

## 2. Specification and Structure

Your scooter mainly consists of four parts: a front section, a rear section, a seat unit and battery. A tiller console, handle bar and a footplate are located on the front section. A driving motor, a brake system and the control electronics are located on the rear section. The seat unit contains a seatback and armrests etc. (see fig.1)



fig.1

### 1. TILLER CONSOLE (see fig.2)

a. Key Switch
b. Speed Adjustment Knob
c. Battery Condition Indicator
d. Horn Button
e. Headlight Button
f. Throttle Control Lever
g. Tiller

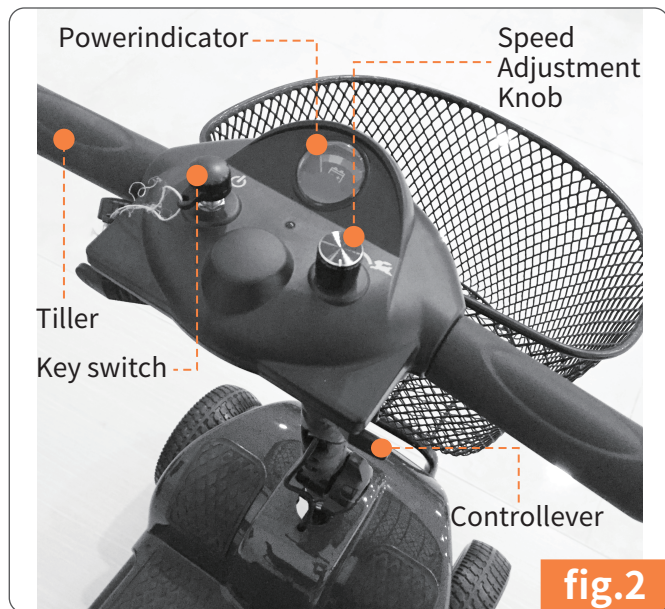


fig.2

### 2. CHARGING AND CONTROL SYSTEM (see fig.3)

a. 3-Pin Charger Power Receptacle
b. Load Protector

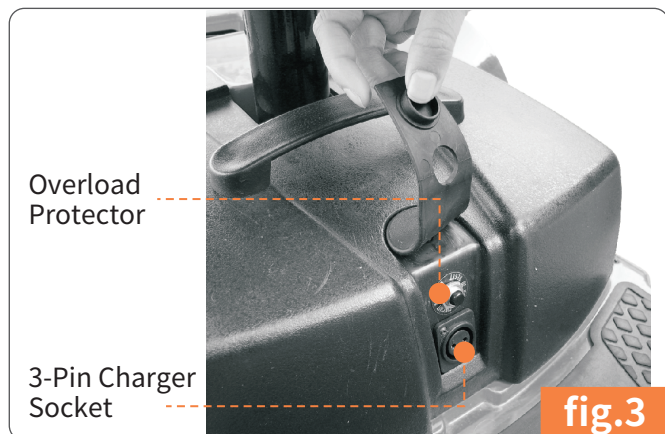


fig.3

### 3. SEAT UNIT

a. Seat Base
b. Seatback
c. Armrests
d. Seat Lock Lever



## Specification

Overall Dimension(L*W*H)	940mmX500mmX840mm
Seat Height	520mm
Seat Width	430mm
Seat Depth	350mm
Armrest Height	210mm
Backrest Height	330mm
Net Weight	38Kg
Max. Speed	6km/h
Braking Distance	≤1500mm
Min. Turning Radius	≤800mm±200mm
Weight Capacity	120kg
Travel Distance in Theory	15 km/9.32 Miles
Static Stability	≥9°
Dynamic Stability	≥6°
Sloping Ability	≥9°
Climbing ability	≥9°
Motor	24V/180W
Battery	Lead-acid; 12V12AH*2pcs
Controller Max. Output Current	45A
Charger Max. Output Current	2A
Front Wheels	190mm Solid Wheel
Rear Wheels	190mm Solid Wheel

### 3. Initial Assembly

For convenience of transportation and reduction of possible damage, the batteries and the seat unit are separately packaged. So, you need assemble them onto the main frame of your scooter.

#### OPENING THE PACKING BOX

Open the packing box of your new scooter, and take off all protective liner, and then take off the scooter that has folded from the box.

#### ADJUSTING ANGLE OF TILLER

Loosen the lock-nut (see fig.4).

Lift the tiller up until a proper angle for yourself.

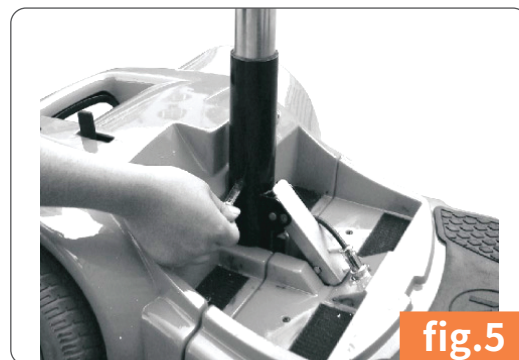
Tighten the lock-nuts to fix the tiller.

#### ASSEMBLE THE SEAT SUPPORT

Insert the seat support into the seat tube located on the rear section (see fig.5).

Align the bolt hole.

Insert the bolt into the hole.



### ASSEMBLE BATTERY UNIT

- Put battery into trough, align electrode terminal on battery with that in the trough(see fig.6).

### ASSEMBLE SEAT UNIT

- Put the seat onto the seat support(see fig.8).
- Pull out the seat-lock lever, adjust seat to the position, as you like. The seat will be locked automatically.
- Insert left and right armrest into square tube separately.
- Adjust to the position, as you like and tighten lock-nuts.

### ASSEMBLE NET-BASKET

- Take off the 2 screws located on the front of tiller(see fig.9).
- Assemble the fixing part of net-basket on the front of tiller.
- Insert the net-basket into the fixing part.

Remark: As a spare part, the net-basket should be ordered separately!



#### CAUTION!

Please always keep electrode clean before installment. If not, it will influence the effect of contact between battery packs and electrode terminal. Wrong connection of battery will cause the scooter out of operation.

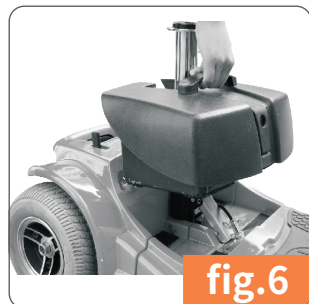


fig.6



fig.7



fig.8



fig.9



## 4. Disassembly

For convenience to transport and store, your detachable scooter in structure is designed to be disassembled and be assembled easily without any special tools.

If your scooter is the version breaking apart, you can easily disassemble it into four pieces; the front section, the rear section, the seat unit and the batteries (see fig.10). You can, of course, assemble these pieces together into a whole quickly.

### DISASSEMBLY

Shut off the power and pull the lock lever under the seat base to unlock the seat.

Lift the seat up and off the scooter (see fig.7).

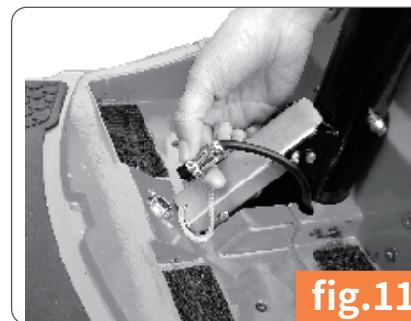
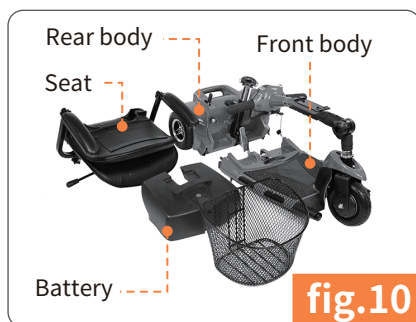
Lift the battery case up(see fig.6).

Loosen the nuts on the plug of front & rear power connector, then remove it (see fig.11).

Pull the nylon rope on the lock hook and move forward to make it off (see fig.12).

Lift the front & rear section through the middle, come away the lock hook on the body (see fig.13).

Loosen the knob on the end of tiller, then incline the tiller (see fig.4).



#### WARNING!

Remove the key from the key switch before adjustments. Never attempt to do adjustments while the scooter is in motion.

## 5. Comfortable Adjusting

Before operating the scooter, you may find the to make some adjustments to increase your confirm, such as seat height, armrest.

### SEAT HEIGHT ADJUSTMENT

You can choose the different holes to change the seat height.  
 Pull back the seat lock lever under the right side of the seat to unlock the seat.  
 Lift the seat up and off the scooter(see figure 7).  
 Hitch the pin loop and pull out the pin (see figure 5).  
 Slide the seat post up or down to change the seat height as your need.  
 Re-insert the pin again.  
 Re-install the seat again.

### SEAT ROTATION

You can rotate the seat to adjust its direction (see fig. 14).  
 Pull up the seat lock lever to unlock the seat.  
 Rotate the seat lock lever, it will re-lock the seat automatically.



fig.14

### ARMREST WIDTH ADJUSTMENT

You can move the armrests inward to outward to adjust the seat width (see fig. 14).  
 Find out the screw on the armrest adjustment rack.  
 Loosen the screw.  
 Move the armrests inward or outward to the desired position.  
 Tighten the screw.



fig.15

### TILLER ANGLE ADJUSTMENT

You can adjust the position of the tiller from the footplate to the furthest forward stop (see fig. 4).  
 Loosen the lock nuts in the low end of the tiller.  
 Move the tiller forward or backward to a comfortable position.  
 Tighten the lock nuts.

### TILLER CONSOLE

The tiller console houses all of the controls needed to drive your scooter, including the key switch, the speed adjustment knob, 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.

### **POWER SWITCH (SEE FIGURE 2)**

- Plug the key into the power opening.
- Indicator on the gauge illuminates.
- Plug out the key, power indicator is off.



#### **WARNING!**

**Do not use the key switch to stop your scooter unless an urgent event has happened. If your scooter has stopped for a long period, power down it to prevent unintended motion.**

### **THROTTLE CONTROL LEVER (SEE FIGURE 2)**

This lever allows you to control the forward speed and the reverse speed of your scooter up to the maximum speed you preset with the speed adjustment knob. Use your thumb to press the lever down to disengage the brake and start moving. The greater the rotating angle of the lever is, the faster the speed of your scooter. When you release the lever completely, it automatically return to the primary position, i.e. The stop position, and engages your scooter's brake to slow the scooter until to stop completely.



#### **WARNING!**

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

### **SPEED ADJUSTMENT KNOB**

This knob allows you to preset and limit your scooter's top speed. Maximum forward speed: 3.7mph, maximum reverse speed: 2.2mph.



#### **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 up, this indicator shows the remaining capacity of the batteries by 3 color ranges on coulometer panel as red, yellow and green. Coulometer hand points to green range that indicate the batteries fully charged. Points to yellow range that indicates a half capacity of the batteries remained, and it is needed to be charged. Points to red range that indicates the batteries have consumed nearly, and it needs to be charged immediately.

## 6. Operation

### SEAT HEIGHTHORN BUTTON (See Figure 2).

This button activates a warning horn.

### HEADLIGHT BUTTON (See Figure 2).

This button activates headlights.

### OFF-BOARD CHARGER(See Figure3).

Open the agraffe on the battery case and you can use this off-board charger to change your batteries through a 3-pin charger power receptacle in the middle of the scooter. (See VII Batteries and charging).

### LOAD PROTECTOR(See Figure3).

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

### MANUAL FREE WHEEL MODE LEVER

There is a freewheel mode lever at the low right of the seat base, shown as figure 15. Whenever you do not want to move your scooter by motor, you can put it in freewheel mode. Pull forward on the manual freewheel mode lever to disable the drive motor and change to the freewheel mode. Push backward on the manual freewheel mode lever to reengage the drive motor and take your scooter out of the freewheel mode.



fig.16



**WARNING!** When your scooter is in powered mode, the manual freewheel mode lever must be in downward position, i.e. In powered mode, so as to guarantee the brake system to work normally. Failure to do so may cause the brake system out of order and cause personal injury. Failure to do so may cause personal injury or damage to the scooter.



**CAUTION!** When your scooter is in freewheel mode, the brake system is disabled. Never use your scooter in freewheel mode without your attention. Failure to do so may cause personal injury. Never sit on your scooter when it is in freewheel mode. Failure to do so may cause personal injury. Never put your scooter in freewheel mode on any incline. Failure to do so may cause personal injury.

### 3-PIN CHARGER POWER RECEPTACLE

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



**WARNING!** A wrong connection may cause damages to the charger, connectors and electronics.

## 7. Battery and Charging

Your scooter two long-lasting, 12-volt, deep cycle batteries. These batteries are sealed and maintenance free. Since they are sealed, there is no need to check the electrolyte (fluid) level. Deep-appearance to automotive batteries, they are not interchangeable. Automotive batteries are not designed to handle a long, deep discharge, and also are unsafe for use in scooter.



**WARNING!**

**Battery posts, terminals, and related accessories contain lead and lead compounds. Wash your hands after handling.**

### CHARGING YOUR BATTERIES

The battery charger is essential in providing long time for your scooter batteries. This charger can charge your scooter's batteries safely, quickly and easily.



**WARNING!**

**You must charge your scooter's battery with the supplied off-board battery charger. Do not use an automotive-type battery charger.**

### CHARGING YOUR BATTERIES WITH THE OFF-BOARD CHARGER

- Position your scooter to a standard wall outlet.
- Open the agraffe on the battery case.
- Ensure the scooter is off power.
- Plug the output connector of the off-board charger into the 3-pin charger power receptacle.
- Plug the input connector of the off-board charger into the wall outlet.
- 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 a period of time.
- It is recommended that you charge your batteries for 10 to 12 hours.
- When the batteries are fully charged, unplug the off-board from the wall outlet and then from the 3-pin charger power receptacle.
- Put the charger with its cord into the back bag of your scooter.
- The battery can also be charged off-scooter.



**WARNING!**

**The battery should be stored on a clean, dry, flat and unconductive surface, otherwise the battery will cause fire danger.**



## **NEW BATTERY' S USAGE**

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

- Fully recharge any new battery prior to its initial use. This brings the battery up to about 90% of its peak performance level.
- Operate your scooter throughout house and yard. Move slowly at first, and do not stray too far until become accustomed to your scooter and known how to control the driving distance from the battery condition indicator.
- 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.
- After four or five charging cycles, the batteries will top off at 100% charge and last for an extended period.

## **FREQUENTLY ASKED QUESTIONS(FAQs)**

### **HOW DOES THE CHARGER WORK?**

The battery charger takes the standard wall outlet voltage(alternation current) and converts it to 12VDC (direct current). This scooter' s batteries use direct current to run your scooter. When the battery voltage is low, the charger sends more current to the batteries are fully charged, the current sent to them from the charger is at nearly zero. Therefore, when the charger is plugged in, it does not overcharged the batteries. When your scooter' s charger will not operate after the batteries have been discharged to nearly zero voltage, call your provider authorized by our Corporation for assistance..

### **CAN A DIFFERENT BATTERY CHARGER BE USED?**

The battery charger takes the standard wall outlet voltage(alternation current) and converts it to You should use the off-board charger supplied with your scooter. It is the safest, most efficient tool to charge the batteries. We do not recommend using other types of chargers(e.g., an automotive battery charger).

### **HOW OFTEN MUST THE BATTERIES BE CHARGED?**

You can charge the batteries as soon as you are finished using your scooter. This is for the benefit of prolonging the life of batteries.

### **INFREQUENT USE**

If you use your scooter infrequently (once a week or less), you should charge the batteries at least once per week for 10 to 12 hours.

Note: Keep batteries in a dry circumstance and avoid deeply discharging your batteries. Do not charge the batteries for more than 24 hours at a charging cycle.

### **HOW CAN I GET MAXIMUM RANGE PER CHARGE?**

Really do you have an ideal driving situation such as smooth, flat, hard terrain with no hills, or curves. More often you are presented with hills, sidewalk cracks, uneven and loosely packed surfaces, and curves. All of these factors will affect the running distance or running time per battery charge. Below are a few suggestions for obtaining the maximum range per charge:

- Always charge the batteries fully prior to your trip.
- Plan your trip in advance to avoid inclines if possible.
- Limit baggage weight to essential items.



### WHAT TYPE OF BATTERIES SHOULD I USE?

We recommend deep-cycle batteries that are sealed and maintenance free. Both SLA and Gel-Cell are deep-cycle batteries that are similar in performance.

Refer to the following specifications to reorder deep-cycle batteries:

type	Deep-cycle sealed lead-acid Or gel cell
size	6.0X3.9X3.8in
voltage	12 V
capacity	12 Ah

### WHY DO MY NEW BATTERIES SEEM WEAK?

Deep-cycle batteries employ a much different chemical technology than that used in car batteries, nickel-cadmium, or in other common battery types.

Deep-cycle batteries are specifically designed to provide power, drain down their charge, and then accept a relatively quick recharge. AGM and Gel-Cell batteries should be charged as often as possible. They do not have a “memory” like nickel-cadmium batteries. We work closely with our battery manufacture to provide a battery that best suits your scooter’s specific demands. Fresh batteries are promptly shipped with a full charge. During shipping, the batteries encounter temperature extremes that may influence initial performance. Heat robs the charge from the batteries (just as with a car battery). It might take a few days for the temperature of the battery to stabilize and adjust to its new ambient temperature. More importantly, it will take a few “recharging cycles” (a partial drain-then a full recharge) to establish the critical chemical balance that is essential to the battery’s peak performance and long life. It will be worthy to take some time to break in your battery properly.



**CAUTION!**

**The useful life of a battery is quite often a reflection of the care it receives.**



### **HOW CAN ENSURE MAXIMUM BATTERY LIFE?**

A fully charged deep-cycle battery will provide reliable performance and extended battery life. Keep your scooter batteries fully charged whenever possible. Batteries that are regularly and deeply discharge, in frequently charged, or stored without a full charge may be permanently damaged, causing unreliable operation and limited battery life.

### **HOW SHOULD I STORE MY SCOOTER AND ITS BATTERIES?**

If you do not use your scooter regularly, we recommend maintaining battery vitality by charging the batteries at least once per week. If you do not plan on using your scooter for an extended period, fully charge the batteries prior to storage. Disconnect the battery harnesses and store the scooter in a warm, dry environment. Avoid temperature extremes, such as freezing and excessively hot conditions, and never attempt to charge a frozen battery. A code or frozen battery should be warmed for several days prior to charging.



#### **WARNING!**

**Do not attempt to charge a cold or frozen battery. You should warm them up for several days prior to charging.**

### **WHAT ABOUT TRANSPORTATION?**

AMG and Gel-Cell batteries are designed for application in scooter and other mobility vehicles. These batteries are allowed for safe transportation on aircraft, buses, and trains, as there is no danger of spillage or leakage. We suggest you contact the carrier's company in advance to determine that carrier's specific requirements.



## 8. Care and Maintenance

For a safe use and an extent useful life, your scooter like any motorized vehicle requires routine maintenance check. Preventive maintenance is very important. You can perform some of these regular checks by yourself. If you follow the maintenance checks in this section as scheduled, you can help ensure that your scooter gives you years of trouble-free operation.

### MOISTURE

Whenever you should avoid positioning your scooter in damp areas of any kind. Direct exposure to water or dampness could cause your scooter malfunction electronically and mechanically. Should your scooter come in contact with water:

- Dry your scooter as thoroughly as possible with towel.
- Allow your scooter to sit in a warm, dry place to get unseen water to evaporation.
- Make safe checks of all operations before using your scooter.
- If any inconsistencies are found, contact an provider authorized by our corporation.

### TEMPERATURE

Some of the parts of a scooter are susceptible to extreme changes in temperature. Always keep your scooter in proper range of temperature.

In extreme cold temperature the batteries may be frozen. The specific temperature at which they are frozen depends on a number of factors, such as battery charge, usage, and composition of the batteries (e.g., AGM or Gel-cell).

Temperature above 45°C may cause your scooter to operate at a reduced speed. This reduced speed is a safety feature built into the controls that helps prevent damage to the motor and other electrical components.

### GENERAL GUIDELINES

- Avoid knocking or bumping the consoles.
- Avoid prolonged exposure of your scooter to extreme conditions, such as heat, cold or moisture.
- Keep the tiller console clean.
- Check all connectors to ensure that they are tight and secures 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 case.
- Yellow light turns on that indicates a half capacity of the batteries has been consumed, and they need to be charged, but the scooter can be used.
- Only red lights turns on that indicates the batteries have been consumed nearly, and they need to be charged immediately.
- The body should have been sprayed with a clear sealant coating. You can apply a light coat of a car wax to help it retain its high-gloss appearance.
- All wheel bearings are prelubricated and sealed. They require no subsequent lubrication.

### SLEEP TIMER

Shut off the power after each use in order to prolonging the battery service time. Your scooter has the special designed function of energy save. The scooter will shut off the power automatically if you don't take any operation in 20 minutes. In this case, if you want to run it, please unplug the key and restart it.

**CAUTION!**

If you do not use the scooter for a long period, recommend you to block up your scooter's kickstand not to make the tires touch with the ground.

**DAILY CHECK**

- With the power off, check the throttle control lever. Make sure it returns to the primary position when you release it.
- Check the right/left lock-nut on the low end of the tiller. Make sure it is fastened to the tiller.

**WEEKLY CHECK**

- Check all electrical connectors. Make sure they are not loosened or corroded.
- Check the body joint bolt. Make sure this bolt is tightened.
- Check the brakes. This test should be carried out on an even surface with at least one meter of clearance around your scooter.

**MONTHLY CHECK**

- Check the anti-tip wheel. Make sure they are not touch the ground.
- Check the anti-tip wheel. Make sure it is not seriously worn. Otherwise, you should change it.
- Check the drive wheels for wear. If it indeed needs to be repaired, contact an authorized provider.
- Keep your scooter clean and free of foreign material, such as hair, food, drink, dust and mud etc.

**YEARLY CHECK**

Take your scooter to an authorized provider for yearly maintenance. This helps ensure that your scooter is functioning properly and helps prevent future complications.

**CLEARING**

- Never hose your scooter or place it in direct contact with water.
- Your scooter has a painted, ABS plastic body shroud that allows it to be easily wiped clean with a damp cloth.
- Never use any chemicals to clean the seat, as they may cause the seat to become slippery or dry out and crack. Clean with a damp cloth or neutral soapy water and dry the seat thoroughly.

## 9. Safety

### SAFETY CHECK BEFORE USING

Recommend you to perform a safety check before each use to make sure your scooter operates smoothly and safely. See VIII “CARE AND MAINTENANCE”. Perform the following instructions prior to using your scooter:

- 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. See VIII “CARE AND MAINTENANCE”.
- Check the battery charge. See VII “BATTERIES AND CHARGING”.

### WEIGHT LIMITATIONS

Your scooter is rated for a 165lb weight capacity and is limited to a 265 lb maximum weight limit.



#### WARNING!

**Exceeding the weight limit voids your warranty and may result in personal injury and damage to your scooter. Failure to do so may cause personal injury or damage to the scooter.**

### INCLINE INFORMATION

More and more buildings have ramps with specified degrees of inclination, designed for easy and safe access. Some ramps may have turning switchbacks (180-degree turns) that require you to have good cornering skills on your scooter.

When climbing an incline, try to keep your scooter moving. If you must stop to start up again, you should slowly accelerate cautiously. When driving down an incline, do so by setting the speeder to the slowest position and setting the forward/backward button to the forward direction. If your scooter starts to move down the incline faster than you anticipated or desired, allow it to come to a complete stop by releasing the throttle control lever. Then rotate down the speed adjustment knob and then push the throttle control lever down slightly to ensure a safety-controlled descent.



#### 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 (i.e., Areas covered with snow, ice, cut grass, or wet leaves). Never driving down an incline backward. This could cause personal injury.**

The maximum safe incline angle is of 8 degrees 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 degrees may put your scooter in an unstable and cause it to tip, resulting in personal injury and/or damage to your scooter.**

### **BRANKING INFORMATION**

Your scooter is equipped with two powerful brake system:

- Electric brake system: This system can gradually slow and stop your scooter, only when you loosen the throttle control lever to let it return the top/stop position during driving.
- Motor brake system: After the electric brake system slows your scooter to near stop, a damper in the motor brake system can automatically close to make your scooter stop completely.



**WARNING!**

**When your scooter is traveling, the free-wheel lever should be at a downward position, i.e., in powered mode. If not, the brake system will be out of order, and a dangerous situation may be caused.**

### **OUTDOOR DRIVING SURFACES**

Your scooter is designed to provide optimum stability under normal driving conditions-dry, level surfaces composed of concrete, blacktop, or asphalt.

However, your scooter can be also driven on substantial soil route. But you should avoid driving on the following roads:

- A driving surface that you feel unsure about or soft pavement.
- Tall grass that can become tangle in the running gear.
- Loosely packed gravel and beach.

### **FREE WHEEL MODE**

Your scooter is equipped with a manual freewheel mode lever that allows the scooter to be manually pushed by your attendant. For more information, see VI "OPERATION".



**WARNING!**

**Do not use your scooter in freewheel mode without an attendant present failure to do so may cause personal injury. Do not attempt to place your scooter in freewheel mode while seated on it. Personal injury may result. Please ask an attendant for assistance if necessary. Do not place your scooter in freewheel mode while on an incline. The scooter could roll uncontrollably down on its own, causing personal injury.**

## STATIONARY OBSTACLE (STEPS, CURBS, ETC.)



### WARNING!

Do not attempt to climb or slide down any obstacles higher than 25 millimeters without help of an attendant. Do not attempt to have your scooter proceed backward down any step, curb or other obstacle. This may cause your scooter to tip and cause personal injury.

## STREETS AND ROADWAYS



### WARNING!

You should not operate your scooter on public streets and roadways. Obey all local pedestrian traffic rules. Wait until your path is clear of traffic, and then proceed with extreme caution.

## IN OR OUT DOORS

- Determine in advance if the door opens toward or away from you.
- Use your hand to turn the knob or push the handle or push-bar. Drive your scooter gently and slowly forward to push the door open. Or drive your scooter gently and slowly backward to pull the door open.

## UP OR DOWN STAIRS AND ESCALATORS

Your scooter is not designed to travel up or down stairs or escalators. Always use an elevator.



### WARNING!

Never use your scooter to negotiate steps or escalators. You may cause injury to Yourself and to others and damage your scooter.

## IN OR OUT ELEVATORS

- Modern elevators have a door edge safety mechanism that, when you push, reopens the elevator door.
- If you are in the doorway of an elevator when the door begins to close, push on the rubber door edge or allow the rubber door edge to contact the scooter and the door will reopen.
- Take care that pocketbooks, packages, or scooter accessories do not become caught in elevator doors.

## ELECTROMAGNETIC INTERFERENCE

Radio waves from mobile phones, radio receivers or other transmitters such as radio and TV stations could affect your scooter's use if your scooter is in the range of their influence. See X."ELECTROMAGNETIC INTERFERENCE".

## SCOOTER TRANSPORT

Now there are no standards approved for tie-down systems in a moving vehicle of any type to transport a person while seated in a scooter. Although your scooter may be equipped with a positioning belt, this is not designed to provide proper restraint during motor vehicle transport. Anyone traveling in a motor vehicle should be properly secured in the motor vehicle seat with safety belts fastened securely.



### WARNING!

**Do not sit on our scooter while it is in a moving vehicle. Personal injury and property damage may be caused. Always be sure your scooter and its batteries are properly secured when it is being transported. Failure to do so may cause Personal injury and/or damage to your scooter.**

## SEAT BELT

You must buckle your seat belt, when you sit at your scooter seat.



### WARNING!

**Ensure the seat belt is buckled safely. Serious personal injury may result if you fall from the scooter.**

## INCLEMENT WEATHER PRECAUTIONS



### WARNING!

**Do not expose your scooter to any type of moisture at any time (rain, snow, mist, or wash). Such exposure can damage your scooter. Never operate your scooter if it has been exposed to moisture until it has dried thoroughly. Do not operate your scooter in ice or slippery conditions or on salted surfaces. Failure to do so may cause you injury and affect the performances of your scooter.**

## GETTING ONTO OR OFF SCOOTER

Getting onto and off your scooter requires a good sense of balance.

### THE INSTRUCTIONS AND HELPS

- From your attendant by side are needed when learning to get onto or off your scooter.
- To avoid causing an injury, please observe the following safety tips when getting onto and off your scooter.
- Ensure that the power is turn off, see VI, "OPERATION"
- Ensure that your scooter is not in freewheel mode.
- The seat armrests are flipped up or moved out to make getting onto and off the scooter easily.
- Shorten your distance from your scooter.
- Keep the same direction of front wheels as driving one for stability.



**WARNING!**

**Position yourself as far back as possible in the scooter seat to prevent the scooter from tipping and causing injury. Avoid using your armrests for weight bearing purposes. Such use may cause your scooter from tipping and causing injury. Avoid putting all of your weight on the footplate. Such use may cause your scooter to tip and cause your injury.**

**BALANCE**

Avoid reaching or bending while driving your scooter. When reaching, bending, or leaning while seated on your scooter, it is important to maintain a stable center of gravity and keep the scooter from tipping.



**WARNING!**

**Do not reach, lean, or bend for objects on the floor as far as possible when seated on your scooter.**

Movements such as these may change your center of gravity and the weight distribution of the scooter and cause your scooter to tip, possibly result in your injury.

**PREVENTING UNINTENDED MOVEMENT**

Failure to do so may result in personal injury.

**LIMITATION TO MEDICINES AND DRINK**

The scooter users have to exercise care and common sense when operating their scooter. This includes awareness of safety issues while under the influence of alcohol. If the user drinks some alcohol drink or takes some medicines that affect either their sense or reactive ability, never use the scooter.



**WARNING!**

**Position yourself as far back as possible in the scooter seat to prevent the scooter from tipping and causing injury. Avoid using your armrests for weight bearing purposes. Such use may cause your scooter from tipping and causing injury. Avoid putting all of your weight on the footplate. Such use may cause your scooter to tip and cause your injury.**

**BALANCE**

Avoid reaching or bending while driving your scooter. When reaching, bending, or leaning while seated on your scooter, it is important to maintain a stable center of gravity and keep the scooter from tipping.



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**WARNING!**

Do not reach, lean, or bend for objects on the floor as far as possible when seated on your scooter. Movements such as these may change your center of gravity and the weight distribution of the scooter and cause your scooter to tip, possibly result in your injury.

### PREVENTING UNINTENDED MOVEMENT



**WARNING!**

Turn off the power, if you anticipate being seated in a stationary position for an extended period of time. This will prevent unexpected motion from inadvertent throttle control lever contact and electromagnetic interference. Failure to do so may result in personal injury.

### LIMITATION TO MEDICINES AND DRINK

The scooter users have to exercise care and common sense when operating their scooter. This includes awareness of safety issues while under the influence of alcohol. If the user drinks some alcohol drink or takes some medicines that affect either their sense or reactive ability, never use the scooter.



**WARNING!**

Do not operate your scooter while you are under the influence of alcohol or some medicines, as this may impair your ability to drive safely.



**WARNING!**

If you take some medicines with side effects for a long period of time, please obey the instructions from your medical professions. It is suggested for these users to consult their medical professionals before operating your scooter, as some medicines will affect your sense or reactive ability, bringing a hidden peril in operating your scooter.



## 10. Electromagnetic Interference

### EMI/RFI WARNING

Radio wave, a form of electromagnetic energy, can cause unintended motion of electric mobility vehicles. When electromagnetic energy adversely affects the operation of an electrical device, that adverse effect is called Electromagnetic Interference(EMI) or Radio Frequency Interference (RFI).

### WHERE DO RADIO COME FROM?

Radio waves are emitted from the antennas of cellular phone, mobile two-way radios(such as walkie talkies), radio stations, TV stations, amateur radio transmitters, wireless computer links, microwave sources, and paging transmitters, Electromagnetic energy is more intense closer to transmitting antennas. The greater the transmission strength is, the greater the concern to electric mobility vehicle users.

### CAN I EXPECT MY SCOOTER HOW TO MOVE IF EMI AFFECTS IT?

In fact, it is very difficult to predict. The effects of EMI on a scooter depend on a number of factors:

- The strength of the radio wave
- The construction of your particular scooter.
- The location(whether it is on level ground or on an incline) and direction of a scooter.

Whether or not your scooter is in motion.

So if the unexpected incidents described below occur for your scooter, you should consider whether or not there is a radio wave source nearby:

- Your scooter may come to a sudden stop in an uncontrolled manner.
- Your scooter may come to a sudden move in an uncontrolled manner.
- The brakes of your scooter may be released suddenly in an uncontrolled manner.

The electric components of control systems may be damaged for no reason at all. Unfortunately, EMI/RFI may be difficult to recognize, because the signals from radio sources are invisible and may be intermittent.

### ARE ALL ELECTRIC MOBILITY VEHICLES SUSCEPTIBLE TO EMI?

Each make and model of electric mobility vehicle differs in its ability to resist EMI. Each mobility vehicle has a particular level of resistance to EMI. This resistance is measured in volts per meter (V/m). A higher resistance level offers greater protection against EMI. In other words, an electric mobility vehicle with a high resistance level is less likely to be affected by a strong radio source than is an electric mobility vehicle with a low resistance level is less likely to be affected by a strong radio source than is an electric mobility vehicle with a low resistance level.

### HOW TO PREVENT EMI?

Here are some precautions you can take:

Do not turn on or use hand-held personal communication devices, such as citizen band (CB) radios and cellular phones, while your scooter is turned on.

Try not to operate your scooter too close to the transmitters, such as radio or TV stations and hand-held or mobile two-way radios. For example, if you are on an electric mobility vehicle with a resistance level of 20V/m, you should remain at least 1 meter from a hand-held two-way radio and at least 30 centimeters from a mobile two-way radio. Be aware that adding accessories and/or components, or modifying your scooter in any way may change its EMI resistance level and may make it more susceptible to interference from radio wave sources. There is no simple way to evaluate the effect of such actions on resistance level of a scooter. If unintended motion or unintended brake release occurs, turn off your scooter by removing the key as soon as possible.



# Your Home Rehabilitation Partner



## CERTIFICATE

Product name: Mobility Scooter

Item Model: W3331F

SN: J362210331F23001

Date of manufacture:

Inspector:

Product inspection:

Zhejiang Innuovo Rehabilitation Devices Co.,Ltd.



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Facebook



Youtube