Hawk

Owner's Manual

Sure Rider.
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CE

WARNING

Read the User Manual carefully before operating the ***Scooter.***

If you do not fully understand any part of this manual, please contact your dealer. Read this manual step by step, as injury or damage may occur from misuse!

WARNING

Electromagnetic Interference ("EMI") can cause powered vehicles to behave erratically, which could be dangerous to the user.

For your safety and protection, it is IMPERATIVE that you take time to read Chapter 8 ("EMI WARNING") before operating the ***Scooter.***

CHAPTER 1 – Overview of the Scooters main features.

Congratulations on choosing this electrically powered scooter from Sure Rider.

The Scooter is designed for a maximum occupant mass of 203kg (32 Stone).

This is an indoor/outdoor scooter designed to work in normal environmental conditions from very cold temperatures (-30ºC/-22ºF) to very hot temperatures (+45ºC/+113ºF).

The **Scooter** will operate in light rain showers, but extended use is not recommended in *heavy rain or snow.*

The **Scooter** is easy to operate. The relatively large wheels let the user drive on unpaved roads, over moderately rough terrain and over obstacles as high as 3.5” (8 cm).

The **Scooter** can climb slopes with angles and loads as detailed in Figure: Maximum Recommended Incline Angles (Page 9).

The **Scooters** maximum **safe** slope is: 15º (26.8%).

The braking system stops the **Scooter** smoothly and within a short distance after the throttle control lever is released.

After reading through this entire manual and before using the **Scooter**, do a visual check of all the parts of the vehicle, to make sure that there is no visible damage. If you have any questions or concerns, contact your dealer.

The **Scooter** was developed to use maintenance-free sealed batteries only.

CHAPTER2 – Safety Symbols for the Scooter

The symbols below are used throughout this user’s manual and on the scooter to identify warnings and important information. It is very important for you to read them and understand them completely.

WARNING! An authorized supplier or qualified technician must perform the initial setup of this scooter, and must perform all of the procedures in this manual.

WARNING! Indicates a potentially hazardous condition/ situation. Failure to follow designated procedures can cause either personal injury, component damage, or malfunction. On the scooter, this is a triangular black symbol.

MANDATORY! These actions must be performed as specified. Failure to perform mandatory actions can cause personal injury and/ or equipment damage. On the scooter, this is a white symbol on a dark background.

PROHIBITED! These actions are prohibited. These actions must not be performed at any time or under any circumstances. Performing a prohibited action can cause personal injury and/or equipment damage. On the scooter, this is a black symbol with a circle and slash.

Please note and strictly adhere to the following Safety Instructions. Additional Warnings and Notices are printed in this user manual; it is imperative that you read carefully all chapters of this manual before operating the Scooter. It is also advisable to refresh your memory by re- reading this manual periodically.

Get acquainted with the operational features before driving it. Drive slowly (speed limit dial set to MIN) until you get used to the Scooter, to its various functions, safety features, and to its braking capabilities and limitations.

Watch carefully for pedestrians and drive your Scooter accordingly. In crowded areas, always drive with the speed limit dial set to MIN. Drive only where permitted according to all applicable local laws and ordinances.

Never remove any of the Scooters safety parts such as bumpers, plastic covers or emergency brake lever.
Never remove any of the Warning labels.

Never put your hands, fingers, or legs into any moving parts or under any protective cover, since moving parts and hot surfaces are under those covers.

When making adjustments (folding the seat back, adjusting the armrest, moving the seat forward or backward, adjusting the tiller distance), as well as when squeezing the throttle control lever, always take care that your hands and fingers are not trapped between any of the moving parts.
When moving the tiller forward or backward, be careful not to trap your fingers in the mechanism.

The load in the front basket must not exceed 5 kg (11 lbs).
The **Scooter** is designed to carry ONE person only on the Single Seat model. Never operate it with an additional person on board, including a child.

Never inflate the **Scooters** tyres more than the manufacturer's recommended pressure shown on the tyres.

Never use the **Scooter** on stairs.
Never try to go over an obstacle that is more than the maximum recommended slope angle and obstacle height given in the specification

If for any reason the **Scooter** does not stop when you release the throttle control lever, or takes longer to stop than it should (3 meters on a level surface), turn the main key switch to OFF, and contact your dealer.

Do not use the Scooter in heavy rain or extreme humidity, or at temperatures below -30ºC (-22ºF) or above +45ºC (+113ºF).

The seat weighs 20 kg (44 lbs). Each battery weighs a minimum of 14 kg (31 lbs) Be careful when lifting the seat and the batteries. Always lift using your knees and legs, not your back.

Use lead acid maintenance-free sealed batteries only.

If the **Scooter** is involved in any kind of an accident in which parts are damaged, you must get a qualified technician to examine it before continuing to use it.

<u>WARNING!!!</u> Special care must be taken to prevent children from operating the **Scooter**.
Do not allow unsupervised children to play near the **Scooter** while the batteries are charging.

Always drive carefully. Adjust your speed according to road conditions. When turning at high speed, the **Scooter** can become unstable. Before making sharp turns, reduce speed to minimum to prevent roll-over.

The **Scooter** is able to go up slopes higher than the recommended safe slope. However, do not drive on slopes whose incline you do not know. Always drive very slowly and do not drive on the side of such slopes.
Before starting to drive, make sure your emergency brake operates properly.

Do not release either the manual or the manual release lever of the electromagnetic brake (EMB) when the **Scooter** is on a slope.
When on any sort of an incline, never place the **Scooter** in freewheel mode while seated on it or standing next to it.

The lights of the **Scooter** should be on when visibility is reduced, day or night.

Since your seat upholstery is fire resistant, do not cover it or replace with any upholstery other than upholstery of the same kind.
When removing the battery cover, watch out for hot parts. The motor, axle, EMB, electronic cards and electronic controller might be hot, Do not touch them until you have checked their temperature.

Make sure your fingers are not squeezed between the levers and the rubber grip.

Do not use a cell phone, walkie-talkie, laptop, or other radio transmitter while operating the **Scooter.**

Removal of the grounding prong can create electrical hazard. If it is necessary to use a 2-pronged electrical outlet, properly install an approved 3-pronged adapter.

Do not connect an extension cord to the AC/DC converter or to the battery charger.

Keep tools and other metal objects away from the battery terminals. Contact with tools can cause electrical shock. Do not sit on the **Scooter** when it is on any type of lift/elevation product.

Explosive conditions exist

Disposal and recycling: Contact your authorized dealer for information on proper disposal of your **Scooter** and its packaging.

Contains lead

The battery charger is for indoor use only.

Flammable materials do not expose to open flame.

At the rear of the **Scooter** is the manual release lever of the EMB. When using this lever, be careful not to touch the internal surface of the motor, as
it could be very hot and cause injury. See the warning label at the rear of the scooter near the lever.

CHAPTER 3 – Safety Instructions for the Scooter

GENERAL

MANDATORY! Do not operate your new **Scooter** for the first time without reading and understanding this user manual completely.

Your **Scooter** is a state-of-the-art life-enhancement device designed to increase mobility. We provide an extensive range of products to best fit the individual needs of the user. Please be aware that the final selection and purchasing decision regarding the type of **Scooter** to be used is the responsibility of a user who is capable of making such a decision.

The contents of this manual are based on the expectation that a mobility device expert has properly fitted the **Scooter** to the user and has assisted the prescribing Dealer to give instructions for the use of the product.

There are certain situations, including some medical conditions, where the user will need to practice operating the **Scooter** in the presence of a trained attendant. A trained attendant can be defined as a family member or care professional specially trained in assisting a user in various daily living activities.

As you begin using your **Scooter** during daily activities, you will probably encounter situations in which you will need some practice. Simply take your time and you will soon be in full and confident control as you manoeuvre through doorways, on and off elevators, up and down ramps, and over moderately rough terrain.

Below are some precautions, tips, and other safety considerations that will help you operate the **Scooter** safely.

MODIFICATIONS

We have designed and engineered your **Scooter** to provide maximum mobility and utility. Under no circumstances should you modify, add, remove, or disable any feature, part, or function of your **Scooter**.

WARNING! Do not modify your **Scooter** in any way not authorised by the manufacturer. Do not use accessories if they have not been tested or approved by the manufacturer.

REMOVABLE PARTS

WARNING! Do not attempt to lift or move your **Scooter** by any of its removable parts, including the armrests, seat, or shroud.

PRE-RIDE SAFETY CHECK

Get to know the feel of your **Scooter** and its capabilities. We recommend that you perform a safety check before each use to make sure your **Scooter** operates smoothly and safely.
Perform the following inspections prior to using your scooter:

-Check for proper tyre inflation. Maintain but do not exceed the psi/bar air pressure rating indicated on each tyre.
-Check all electrical connections. Make sure they are secure and not corroded.
-Check all harness connections. Make sure they are secured properly.
-Check the brakes.
-Check the battery charge.
If you discover a problem, contact your authorized dealer for assistance.

TYRE INFLATION

Your **Scooter** is equipped with pneumatic tyres. Check the tyre pressure at least once a week. Proper inflation pressures will prolong the life of your tyres and help ensure the smooth operation of your **Scooter**.
WARNING! It is critically important that the psi/bar air pressure indicated on each tire is maintained at all times. Do not under-inflate or over-inflate your tyres. Under-inflation may result in loss of control, and over-inflation may burst the tire. Failure to maintain the indicated pressure rating at all times may result in tyre and/or wheel failure.
WARNING! Inflate your scooter tyres from a regulated air source with an attached pressure gauge. Inflating your tyres from an unregulated air source could over-inflate them, resulting in a burst tyre.

WEIGHT LIMITATIONS

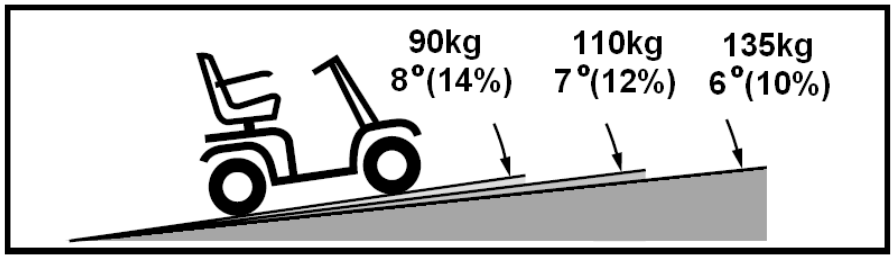
Your scooter is rated for a maximum weight capacity. Refer to Specification sheet for details.
MANDATORY! Stay within the specified weight capacity for your **Scooter**. Exceeding the weight capacity voids your warranty. We will not be held responsible for injuries and/or property damage resulting from failure to observe weight limitations. WARNING! Do not carry passengers on your scooter. Carrying passengers on your **Scooter** may result in instability.

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**.

-Proceed with extreme caution as you approach the downgrade of a ramp or incline.
-Take wide turns with your **Scooter** around any tight corners. If you do that, the scooter's rear wheels will follow a wide arc.
-Do not cut the corner short, and do not bump into or get hung up on any railing corners.
-When driving down a ramp, keep the **Scooters** speed adjustment set to the slowest speed setting to ensure a safely controlled descent.
-Avoid sudden stops and starts.
-Refer to Figure to determine the maximum slope.

Maximum Recommended Incline Angles



When driving up an incline, try to keep your **Scooter** moving. If you must stop, start up again slowly, and then accelerate cautiously. When driving down an incline, set the speed switch to MIN and drive forward only. If your **Scooter** starts to move down the incline faster than you want, allow it to come to a complete stop by releasing the throttle control lever, then push the throttle control lever forward slightly to ensure a safely controlled descent.

WARNING! When on any incline, never place the **Scooter** in freewheel mode while seated on it or standing next to it.

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

WARNING! Do not drive your **Scooter** across an incline or diagonally up or down an incline; if possible, do not stop while driving up or down an incline.

WARNING! Do not drive up or down a potentially hazardous incline (e.g., areas covered with snow, ice, cut grass, or wet leaves).

WARNING!
Even though your **Scooter** is capable of climbing slopes greater than those illustrated in Figure, do not, under any circumstances, exceed the incline guidelines or any other specifications presented in this manual. Doing so could cause your **Scooter** to become unstable. Note that public accesses ramps are not subject to government regulation in all countries, and therefore do not necessarily have the same standard degree of slope.

Other inclines may be natural or not be designed specifically for scooters. The Figure illustrates your **Scooters** stability and its ability to climb includes under various weight loads and under controlled testing conditions.

These tests were conducted with the **Scooter** seat in the highest position and in its farthest rearward position. Use this information as a guideline. Your **Scooters** ability to travel up inclines is affected by your weight, scooter speed, your angle of approach to the incline, and your **Scooters** setup.

WARNING! Any attempt to go up or down a slope steeper than shown in Figure may make your **Scooter** unstable position and cause it to tip.

WARNING! Never carry an oxygen tank weighing more than 15 lbs (6.8 kg). Never put more than 5 Kg (11 lbs) in the front basket.

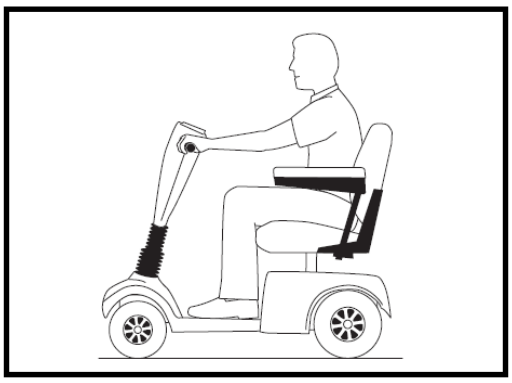


Figure B. Normal Driving Position Position

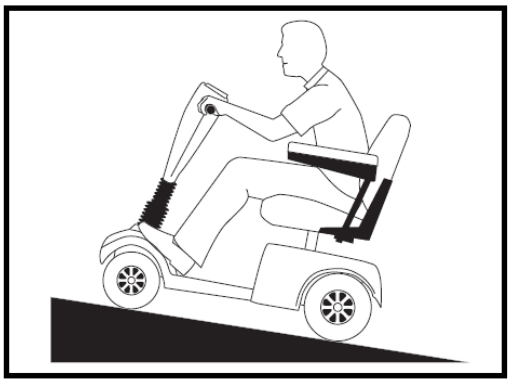


Figure C. Increased Stability Drive

When you approach an incline, it is best to lean forward. **See Figures B and C**. This shifts the centre of gravity of you and your **Scooter** toward the front of the **Scooter** for improved stability.

NOTE: If the throttle control lever is released while you are moving forward up a ramp, the* scooter *may roll back approximately 1 foot (30 cm) before the brake engages. If the throttle control lever is released while you are moving in reverse, the* scooter *may roll back approximately 3 feet (one meter) before the brake engages.

CORNERING INFORMATION

Excessively high cornering speeds can result in tipping. Factors that affect the possibility of tipping include, but are not limited to, cornering speed, steering angle (how sharply you are turning), uneven road surfaces, inclined road surfaces, riding from an area of low traction to an area of high traction (such as passing from a grassy area to a paved area – especially at high speed while turning), and abrupt changes of direction. High cornering speeds are not recommended. If you feel that you may tip over in a corner, reduce your speed and steering angle (i.e., lessen the sharpness of the turn) to prevent your **Scooter** from tipping.

WARNING! When cornering sharply, reduce your speed and maintain a stable centre of gravity. When using your **Scooter** at higher speeds, do not corner sharply. This greatly reduces the possibility of a tip or fall. Always exercise your common sense when cornering.

BRAKING INFORMATION

Your **Scooter** is equipped with two powerful braking systems:
-Regenerative: Uses electricity to rapidly slow the vehicle when the throttle control lever returns to the centre/stop position.
-Park Brake: Activates automatically after regenerative braking slows the vehicle to a near stop, or when power is removed from the system for any reason.

OUTDOOR DRIVING SURFACES

-Your **Scooter** is designed to provide optimum stability under normal driving conditions, on dry, level surfaces of concrete, tarmac, or asphalt. However, we recognize that there will be times when you will encounter other surfaces. For this reason, your **Scooter** is designed to perform well on packed soil, grass, and gravel. Feel free to use your **Scooter** safely on lawns and in parks.
-Reduce your **Scooter** speed when driving on uneven terrain and/or soft surfaces.
-Avoid tall grass that can become tangled in the running gear.
-Avoid loosely packed gravel and sand.
-If you feel unsure about a driving surface, avoid it.

PUBLIC STREETS AND ROADWAYS

WARNING! Do not operate your **Scooter** on public streets or roadways.
It may be difficult for traffic to see you when you are seated on your **Scooter**. Obey all local pedestrian traffic rules. Wait until your path is clear of traffic, and then proceed with extreme caution.

STATIONARY OBSTACLES (STEPS, CURBS, ETC.)

WARNING! Do not drive near raised surfaces, unprotected ledges, and/or drop-offs (curbs, porches, stairs, etc.).
WARNING! Do not try to go up or down an obstacle that is too high. **WARNING!** Do not try to go backward down any step, curb, or other obstacle. This may cause the **Scooter** to tip.

WARNING! Be sure your **Scooter** is travelling perpendicular to any curb you may be required to go up or down.

WARNING! Do not attempt to negotiate a curb that is higher than 10 cm (4").

PRECAUTIONS DURING INCLEMENT WEATHER

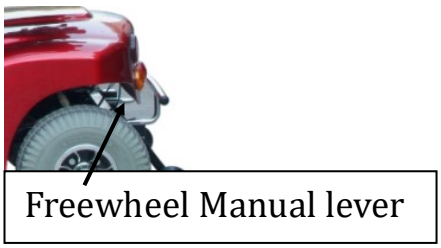
Avoid exposing your **Scooter** to inclement weather.
If you are suddenly caught up in rain, snow, severe cold or heat while operating your **Scooter**, proceed to shelter at the earliest opportunity.
Thoroughly dry your **Scooter** before storing, charging, or operating it.

PROHIBITED! Do not operate your **Scooter** in rain, snow, salt, mist/spray conditions, or on icy slippery surfaces, as this can have an adverse effect on the electrical system. Maintain and store your **Scooter** in dry and clean conditions.

WARNING! Prolonged exposure to extreme hot or cold may affect the temperature of parts of the **Scooter**, possibly resulting in burns. Exercise caution when using your **Scooter** in extremely hot or cold conditions or when exposing your **Scooter** to direct sunlight for prolonged periods of time.

FREEWHEEL MODE

Your **Scooter** is equipped with a manual freewheel lever that, when pushed forward, allows the **Scooter** to be pushed manually.



Your **Scooter** is also equipped with an electric button located on the dashboard to release the electromagnetic brake.
Turn key switch to ON position. To activate push the button and hold. To release the brake just release the button. This function allows moving scooter manually.

WARNING! When your **Scooter** is in freewheel mode, the parking system is disengaged.

WARNING! Do not press the automatic free wheel button while the **Scooter** is moving.

-Disengage the drive motors only on a level surface.
-Stand beside the **Scooter** to engage or disengage freewheel mode. Never do this while sitting on the **Scooter**.
-After you have finished pushing your **Scooter**, always return it to the drive mode to lock the brakes (pull the manual freewheel lever backward).
-When using the freewheel lever, be careful not to touch the internal surface of the motor, as it could be very hot and cause injury. See the warning label at the rear of the scooter near the lever.

STAIRS AND ESCALATORS
Scooters are not designed to travel up or down stairs or escalators.
Always use an elevator.

WARNING! Do not use your **Scooter** to negotiate stairs or escalators.

DOORS
-Determine whether the door opens toward or away from you.
-Use your hand to turn the knob or to push the handle or push-bar.
-If the door opens away from you, drive your **Scooter** gently and slowly forward to push the door open.
-If the door opens towards you, drive your **Scooter** gently and slowly backwards to pull the door open.

ELEVATORS
Modern elevators have a safety mechanism on the edge of the door that, when pushed, reopens the door(s).
-If you are in the doorway of an elevator when the door(s) begin to close, push on the rubber door edge or allow the rubber door edge to contact the **Scooter** and the door will re-open.
-Take care that handbags, packages, or **Scooter** accessories do not become caught in elevator doors.
***NOTE**: Sometimes manoeuvring your scooter may be difficult in elevators and building entrances. Use caution when attempting to manoeuvre your* **scooter** *in small spaces, and avoid areas that might pose a problem.*

LIFTS/ELEVATION PRODUCTS

If you travel with your **Scooter**, you may find it necessary to use a lift or elevation product to aid in transportation. We recommend that you closely review the manufacturer's instructions, specifications, and safety information before using the lift/ elevation product.

WARNING! Never sit on your **Scooter** when it is being used with any type of lift/ elevation product. Your **Scooter** was not designed for such use, and any damage or injury resulting from such use is not our responsibility.

BATTERIES (see also Storage Instructions)
In addition to following the warnings below, be sure to comply with all other battery handling information.
MANDATORY! Battery posts, terminals, and related accessories contain lead and lead compounds. Wear goggles and gloves when handling batteries, and wash hands after handling.

WARNING! Scooter batteries are heavy. If you are unable to lift that much weight, be sure to get help. Use proper lifting techniques and avoid lifting beyond your capacity.

WARNING! Always protect the batteries from freezing and never charge a frozen battery.

WARNING! Connect the battery cables correctly. RED (+) cables must be connected to positive (+) battery terminals/posts and BLACK (-) cables must be connected to negative
(-) battery terminals/posts. REPLACE damaged cables immediately. Protective caps must be installed over all battery terminals.
NOTE: *If the battery is damaged or cracked, immediately enclose it in a plastic bag and contact your authorised* **Scooter** *dealer for instructions for disposal or for recycling.*

MOTOR VEHICLE TRANSPORTATION

The manufacturer recommends that you do not remain seated in your **Scooter** while travelling in a motor vehicle. The **Scooter** should be stowed in the boot of a car or in the back of a truck or van with the batteries removed and properly secured. In addition, all removable **Scooter** parts, including the armrests, seat, and shroud, should be removed and/or properly secured during transportation.

WARNING! Although your **Scooter** may be equipped with an optional seat belt, this belt is not designed to provide restraint during motor vehicle transportation. Anyone travelling in a motor vehicle must be properly secured in the motor vehicle seat with securely fastened seat belts.

WARNING! Do not sit on your **Scooter** while it is in a moving vehicle.

WARNING! Always be sure you're **Scooter** and its batteries are properly secured when it is being transported. Batteries must be secured in an upright position, and protective caps must be installed on the battery terminals. Batteries must not be transported with any flammable or combustible items.

PREVENTING UNINTENDED TRAVEL

WARNING! If you anticipate being stationary for an extended period of time, turn off the power. This will prevent unexpected travel caused by accidentally touching the throttle control lever.

GETTING ONTO AND OFF YOUR Scooter

Getting onto and off your **Scooter** requires a good sense of balance. Please observe the following safety tips when getting on and off your **Scooter:**

-Remove the key from the key switch.
-Ensure that your **Scooter** is not in freewheel mode.
-Ensure that the seat is secured in place.
-Pivot the armrests up.

WARNING! Position yourself as far back as possible in the seat to prevent the **Scooter** from tipping and causing injury.

WARNING! Avoid putting all of your weight on the armrests, and do not make the armrests bear weight, such as during transfers. Such use may cause the **Scooter** to tip, resulting in a fall from the **Scooter** and/or personal injury.

WARNING! Avoid putting all of your weight on the floor board, such use may cause the **Scooter** to tip.

REACHING AND BENDING

Avoid reaching or bending while driving your **Scooter**. Bending forward creates the risk of accidentally contacting the throttle control lever. Bending to the side while seated creates the risk of tipping. It is important to maintain a stable centre of gravity to keep the **Scooter** from tipping. We recommend that you determine your personal limitations and practice bending and reaching in the presence of a qualified attendant.

WARNING! Do not bend, lean, or reach for objects if you have to pick them up from the **Scooter** deck or from either side of the **Scooter**. Movements such as these may change your centre of gravity and the weight distribution of the **Scooter*,*** causing it to tip. **PROHIBITED!** Keep your hands away from the tyres and wheels when driving. Be aware that loose-fitting clothing can become caught in tyres and wheels.

PRESCRIPTION DRUGS/PHYSICAL LIMITATIONS

The **Scooter** user must exercise care and common sense when operating the **Scooter**. This includes awareness of safety issues when taking prescription or over-the-counter drugs or when the user has specific physical limitations.

WARNING! Consult your physician if you are taking prescription or over-the-counter medication or if you have certain physical limitations. Some medications and limitations may impair your ability to operate your **Scooter** in a safe manner.

SMOKING

WARNING! The manufacturer strongly recommends that you do not smoke while seated on your **Scooter**, although the **Scooter** seat has passed the necessary testing.

ALCOHOL

WARNING! Do not operate your **Scooter** while you are under the influence of alcohol, as this may impair your ability to operate the **Scooter** in a safe manner.

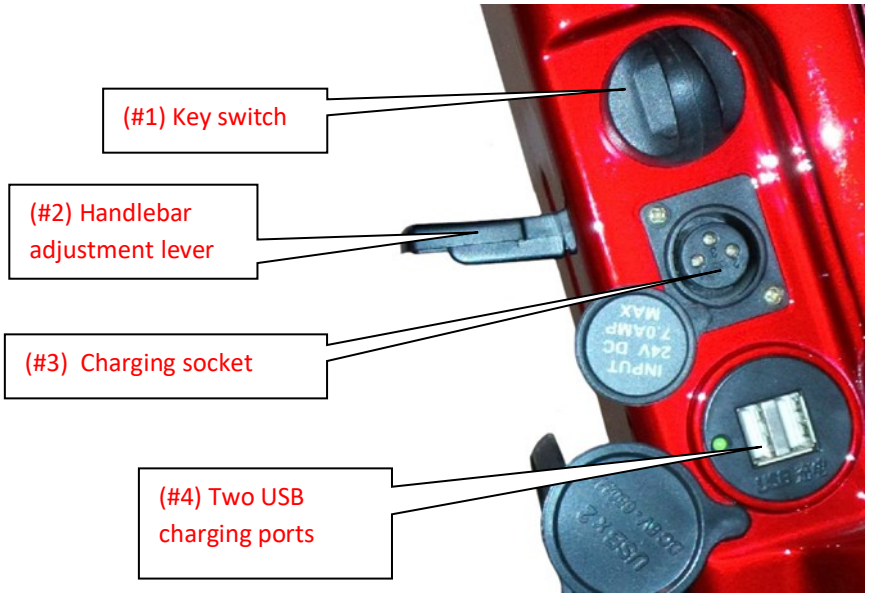
ELECTROMAGNETIC AND RADIO FREQUENCY INTERFERENCE (EMI/RFI)
WARNING! Laboratory tests have shown that electromagnetic and radio frequency waves can have an adverse effect on the performance of electrically powered mobility vehicles.
EMI/RFI can come from sources such as cellular phones, mobile two-way radios (such as walkie-talkies), radio stations, TV stations, amateur radio (HAM) transmitters, wireless computer links, microwave signals, paging transmitters and medium- range mobile transceivers used by emergency vehicles. In some cases, they can cause unintended movement or damage to the control system. Every electrically powered Mobility vehicle has an immunity (or resistance) to EMI. The higher the immunity level, the greater the protection against EMI. This product has been tested and has passed at an immunity level of 20 V/M.

WARNING! Be aware that cell phones, two-way radios, laptops, and other types of radio transmitters may cause unintended movement of your electrically powered **Scooter** due to EMI. Exercise caution when using any of these items while operating your **Scooter** and avoid coming into close proximity of radio and TV stations.

WARNING! The addition of accessories or components to an electrically powered mobility vehicle can increase its susceptibility to EMI. Do not modify your **Scooter** in any way not authorized by the manufacturer.

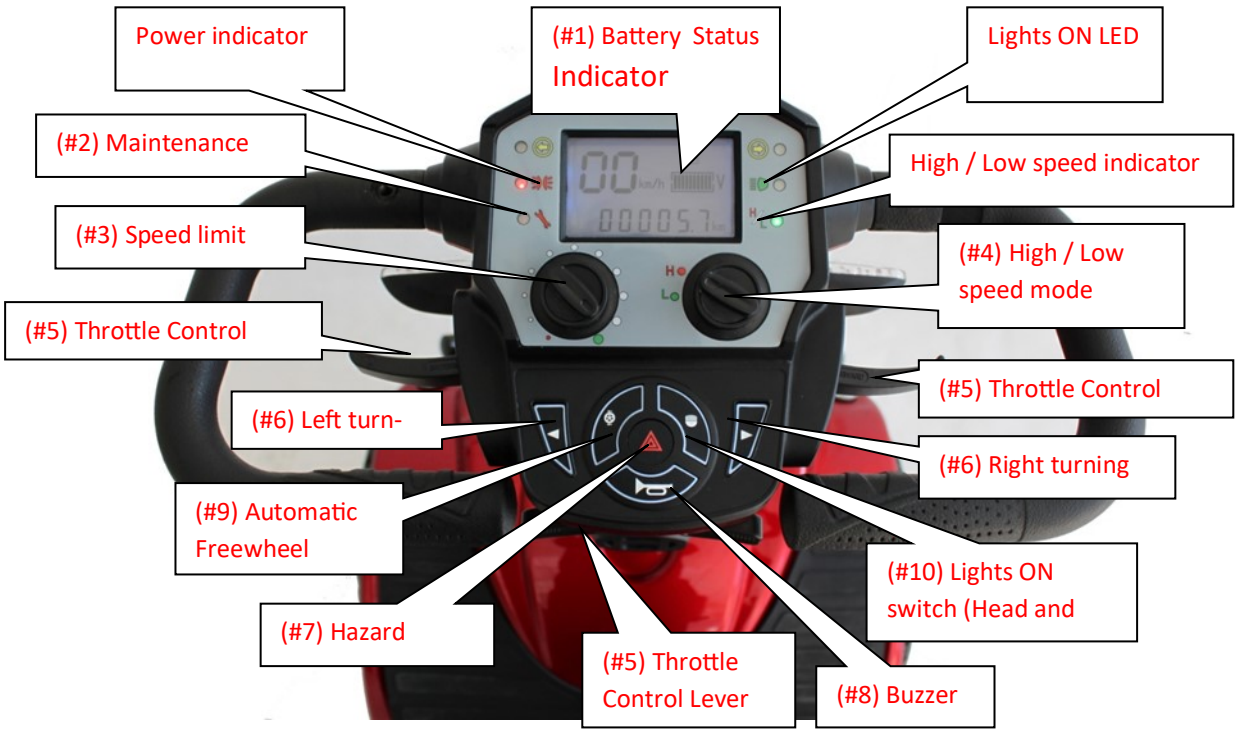
WARNING! The **Scooter** itself can interfere with other electrical devices located nearby, such as alarm systems.
NOTE: *For further information refer on EMI/RFI chapter or ask your authorized dealer.*

FIGURE A



(Numbers refer to Figure A)	
Key Switch (#1)	The main key switch is located on side of tiller column The key switch has two positions: **OFF**: The **Scooter** cannot be driven and the EMB is locked. **ON**: Power is supplied to the **Scooter** and the EMB is released automatically when the throttle control lever is squeezed. To operate the **Scooter**, insert the key in the key switch and turn it to ON (clockwise). The switch will remain in this position and the Power indicator will be lit. **Note**: The key switch is used to operate the ***Scooter***, not for locking.
Handlebar adjustment lever (#2)	Adjust the position of the handlebars (height and distance) as follows: Push the tiller adjustment lever (which locks the tiller in place), and move the tiller to the position you want. Release the lever to lock the tiller in place.
Charging Socket (#3)	Before attempting to drive the ***Scooter,*** make sure the plug is disconnected from the charging socket. **Note: While the plug is in the charging socket, the *Scooter* cannot be operated.** Insert the charger plug in the charging socket located on the right side of the tiller column to charge your scooter. **IMPORTANT:** **READ CHAPTER 5 FOR MORE INFORMATION REGARDING CHARGING INSTRUCTIONS.**
USB charging ports (#4)	Two USB ports so you can use it to simultaneously power and charge up to 2 USB-equipped mobile devices at one time such as iPhone, iPad, Android smartphones and more.

FIGURE B



(Numbers refer to Figure B)	
Battery status Indicator (#1)	The battery status indicator is located on the tiller panel and shows you the remaining capacity of the batteries. Like petrol gauges in cars, the indicator is not absolutely accurate; it is merely a guide to help stop you running out of fuel. The accuracy of the indicator also depends on the type and age of the batteries. When the indicator shows 4 bars, recharge batteries as soon as possible. When the indicator shows 2 bars, recharge immediately.
Maintenance LED (#2)	When the LED is flashing, it blinks the code of the fault.
Speed limit dial (#3)	The speed limit dial is located on the tiller panel. –When the speed limit dial is set to MAX, the **Scooter** will drive at approximately 15 km/hr. –When the speed limit dial is set to MIN, the **Scooter** will drive at approximately 3 km/hr. Do not change the speed limit dial setting while the **Scooter** is moving. **Note:** Set the speed limit dial to MIN: –Until you get used to driving your new **Scooter,** and - When driving the **Scooter** inside a building or in a crowded area.
High/Low Speed mode Switch (#4)	Set the maximum speed of the scooter to HIGH or LOW speed. Use the LOW speed mode when driving in close and crowded areas.
Button for headlight and rear lights (#10)	To turn on the lights (headlight and rear lights), press the Lights button. When the lights are on, the Light LED is lit. To turn off the lights, press the button again.

After stopping	After stopping the **Scooter**, turn the key switch to OFF and remove the key. The ON LED will turn off. **Note:** The EMB locks automatically when the throttle control lever is released and the **Scooter** has come to a complete stop.
Safe driving	When driving on ramps, high curbs and on sharp turns, drive very slowly and carefully, preferably with the speed set to MIN. When going up or down a step, always drive so that the wheels are fully perpendicular to the step and both of the rear wheels meet the step at the same time. Never try to go on an obstacle that is more than the maximum recommended slope or curb height (see the stabilities and the obstacle climbing specifications given in specification Sheet) **Always drive carefully and adjust your speed to the road conditions.** **Before making sharp turns, reduce speed to minimum to prevent side roll-over.**
Climbing an obstacle	To climb an obstacle, drive the **Scooter** forward toward the obstacle until the front wheel touches the obstacle, then, maintaining your direction, increase speed.
Prior to use	After reading through this entire manual and before using the **Scooter**, do a visual check of all the parts of the vehicle, to make sure that there is no visible damage. If you have any questions or concerns, contact your dealer.
Controller programming	Several parameters of the **Scooter** controller can be programmed. Programming must be done by trained authorized technician ONLY. Incorrect programming can cause abnormal operation of the **Scooter** and may result in damage and personal injury.
Prior to use	Before using the **Scooter**, be sure you know your own weight and the weight of any items you will be carrying on it.
Performance check	A performance check is highly recommended when you first receive Your **Scooter** or after a period of not using the **Scooter,** as follows: 1. Turn on the key switch. 2. Verify that both the ON LED and the battery status indicator are lit. 3. Slowly squeeze the drive control lever and verify that the **Scooter** travels at a speed that corresponds to the degree to which you are squeezing the lever. 4. Release the throttle control lever and verify that the **Scooter** stops smoothly, and that you hear the click of the EMB engaging. 5. Check that all the buttons on the dashboard work correctly. 6. Switch off the key switch. Your **Scooter** is now ready to drive.

CHAPTER 5 – Charging the Scooters Batteries.

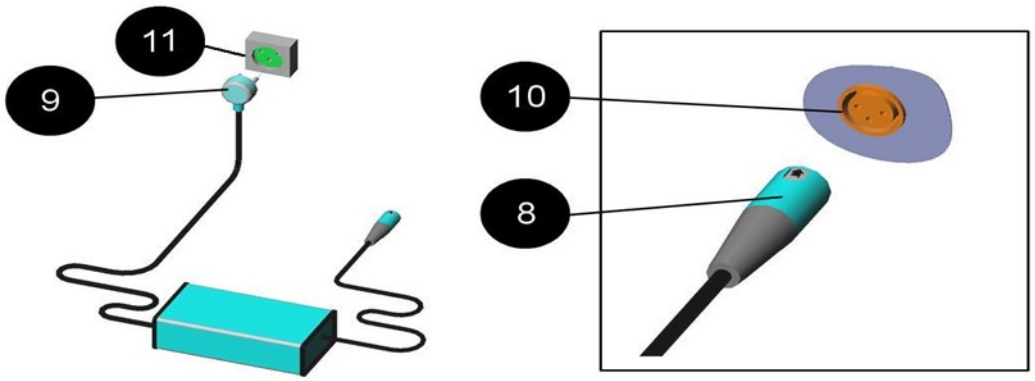
Read the charger manual before using it.

Warning: If you use a charger other than the one supplied with your Scooter, ask your dealer for instructions.

CHARGING BATTERIES (see Figure C)
1. Insert the charger plug (8) in the charging socket (10) located on the right side of the tiller column.
2. Plug the charger power cord (9) into a wall socket (11).
3. When charging is complete, remove the charger power cord (9) from the wall socket
(11) And then remove the charger plug (8) from the charging socket (10).
4. Under ideal storage conditions, batteries that were charged to full capacity and were not used should be recharged every month.
5. If you expect not to use your **Scooter** for an extended period of time, we recommend charging it for two days and then disconnecting the batteries.
6. If you have not used your **Scooter** for an extended period of time, charge the batteries for at least 24 hours before driving.

- **Note: There is NO need to disconnect the charging plug immediately after the charging is complete.**
- **However, DO NOT leave the charger connected to the batteries FOR MORE THAN TWO WEEKS.**
- **As long as the charging plug is in the charging socket, the electronic control of the Scooter automatically cuts all power to the electric system and it cannot be driven.**
- **The charger supplied is suitable for charging lead acid dry/gel batteries. Use only the defined type of charger. Before using any other type of charger, check with your dealer.**

FIGURE C



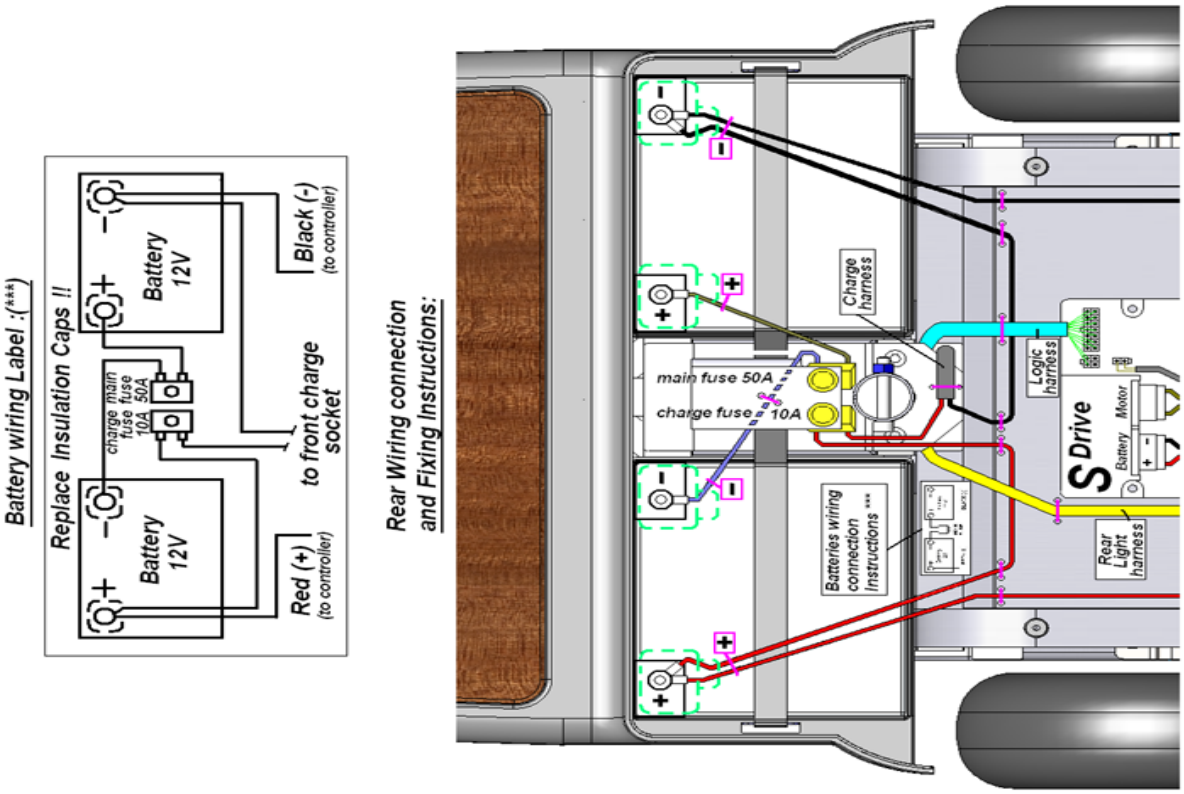
CHAPTER 6 – MAINTENANCE

Although the **Scooter** requires very little maintenance, do not neglect it. When performing maintenance procedures on the **Scooter,** make sure that it stands on a level surface and that the key is not inserted.

This chapter contains both periodic maintenance procedures and maintenance procedures to be performed as required.

Periodic Maintenance Procedures
-**Remark**: For periodic maintenance, no special tools are needed.

Type of Service	Frequency
Check for missing and damaged parts.	When first receiving the **Scooter** or after a long time without using it.
Check air pressure in all tyres.	Every 2 weeks (30 psi)
Replace batteries	Every 2-3 years, -When the distance you can travel on a single charge becomes short, or -After a technician recommends replacing it.
Tyres	Correct tyre pressure is essential for steering and stability. Check the tyre pressure every two weeks (30 psi).
Cleaning	Use only a damp cloth and mild detergent for cleaning. Never use a hose, as this may severely damage the power and electronic components.
Replace Batteries	**Note!** Batteries must be replaced by trained professionals only. **Warning!** Batteries contain high energy and can spark, resulting in a possible fire hazard. **Warning!** Working with batteries can cause damage and Injury if not done correctly. In this procedure, refer to Figure bellow. 1. Remove the terminal insulating cap from one battery terminal. 2. Using an 8 mm key, unscrew the wiring from the terminal. Take care not to let the key touch any other terminal or metal part, as this could cause damage or injury. 3. Repeat steps 1 and 2 for all the other terminals. 4. Remove the old batteries and install the new ones. 5. Connect the wires of the new batteries as shown in Figure bellow 6. Screw down the terminals securely, and replace the insulating caps.



CHAPTER 7 – Trouble Shooting & Repair

The following table provides troubleshooting and repair instructions for problems that may be encountered when operating the **Scooter**. The best way to correct the problem - The table contains three columns:
Remember: You can contact Sure Rider at any time for further professional support

Symptom	Probable Causes	Remedy
Flat tyre and unstable driving.	-Low air pressure -Puncture	-Pump tyre to normal pressure -Repair tyre
When throttle control lever is released on a level surface, the **Scooter** takes longer than 3 meters to stop.	-Controller is faulty or out of adjustment	-Call for technical support
Key switch is turned ON but the ON light does not come on.	-Main fuse (2.1a in Fig. 1) popped - Electrical fault	-Reset fuse **Note:** Do not reset fuse more than twice. If the symptom still recurs, call your authorized dealer for support.
Does not move when you squeeze the throttle control lever..	- Key switch is OFF -Charger is connected to charging socket -Control system failure	-Turn key switch ON -Disconnect charger -Call for technical support
Intermittent drive.	-Battery capacity is low -Faulty connections -Faulty Battery	-Charge batteries for at least 18 hours -Remove battery cover and check battery connection. If terminals are corroded, clean them with a damp, clean cloth -If red LEDs are still on, contact your dealer for a replacement battery
Right or left indicator light is inoperative.	-Faulty LED light board	-Replace LED board
Headlight or rear light not lit.	-Burnt out LED	-Replace LED
When driving uphill or carrying heavy loads, speed reduces gradually (but scooter still moves).	-Controller became overheated	-Stop driving and let controller cool

CHAPTER 8 – EMI WARNING

All types of electrically powered vehicles, such as powered wheelchairs and motorized scooters (in this text all types will be referred to as "powered vehicles") may be susceptible to electromagnetic interference (EMI). This is from sources such as radio and TV stations, amateur radio (HAM) transmitters, two-way radios and cellular phones. The interference (from radio wave sources) can cause the powered vehicle to release its brakes, move by itself, or move in unintended direction. It can also damage the powered vehicle's control system. The intensity of the Interfering EM energy can be measured in volts per meter (V/m). Each powered vehicle can resist EMI interfering electromagnetic energy (EM) emitted up to a 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 an immunity level that would provide useful protection from the more common sources of radiated EMI. This vehicle as shipped, with no further modification, has an immunity level of 20 V/m.

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 warning listed below, your risk of 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: citizen band (CB) radios, "walkie talkies", security, fire and police transceivers, cellular telephones and other personal communication devices.

NOTE: Some cellular telephones 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.

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

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

Powered Vehicle Electromagnetic Interference (EMI)

Because EM energy rapidly becomes more intense as one moves closer to the transmitting antenna, the EM field from hand-held radio wave sources (transceivers) are of special concern. It is possible to unintentionally bring high levels of EM energy close to the powered vehicle's control system while using these devices. This can affect powered vehicle movement and braking.

Therefore, the warnings listed below are recommended to prevent possible interference with the control system of the powered vehicle.

WARNINGS

Electromagnetic interference (EMI) from sources such as radio and TV stations, amateur radio (HAM) transmitters, two- way radios and cellular phones can affect powered vehicles.

Following the warnings listed below should reduce the chance of unintended brake release or powered vehicle movement **which could result in serious injury:**

1) Do not operate hand-held transceivers (transmitters-receivers) such as citizen band (CB) radios, or turn ON personal communication devices such as cellular phones, while the powered vehicle is ON;
2) Be aware of nearby transmitters, such as radio or TV stations and try to avoid coming close to them.
3) On appearance of unintended movements or brake release occurrences, switch the powered vehicle OFF **as soon as it is safe to do so**.
4) Be aware that adding accessories or components, or modifying the powered vehicle, may make it more susceptible to EMI (since there is no easy way to evaluate their effect on the overall immunity level of the powered vehicle).
5) Please report to us all incidents of unintended movement or brake release and 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) This product delivered to you has an immunity level of 20 V/m

WARRANTY

This warranty is extended only to the original purchaser/user of the Sure Rider product identified by the product serial number. This warranty is not transferable.

TWO-YEAR LIMITED WARRANTY

-Gearbox
-Motor

ONE-YEAR LIMITED WARRANTY

-Bearings
-Bushings
-Rubber Components
-Plastic components (except body)
-Electronic Controllers
-Charger
-Harnesses
-Any other electrical subassembly
-Batteries

WARRANTY EXCLUSIONS

This warranty does not extend to those items which may require replacement due to normal wear and tear.
-Plastic Shrouds
-Motor Brushes
-Upholstery and Seating
-Brake Pads
-Tyres and tubes
-Fuses/Bulbs

WARRANTY SERVICE

Warranty service must be performed by an authorised dealer. Please contact your authorised dealer for more information. There is no other express warranty.

STORAGE INSTRUCTIONS

Always store in a dry area protected from freezing to avoid damage to the scooter and premature wear of the batteries.
Avoid exposure to rain, snow, ice, salt or stagnant water. Keep your scooter clean and dry.
Never expose the electronic components of the scooter to humidity (rain, snow, mist, or water from washing), as it may damage electronic circuits.
Always store your scooter with batteries fully charged. When storing the scooter for more than two weeks, charge the batteries and disconnect them.
During the storage, check the charge once a month and recharge the batteries as needed. You must complete a full charge cycle every month or damage to batteries can occur.
Avoid extreme temperature of hot and cold during storage. Freezing can damage low charged batteries and they may become unusable.

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