

# **Consumer SAFETY GUIDE**



*This Consumer Safety Guide offers basic information on the proper and safe use of scooters. The user should read all other information provided with the scooter, including but not limited to, the product owner's manual, quick start guide, and any other supplemental information before using the scooter for the first time.*

## PRODUCT SAFETY

The signal words and safety symbols described below are used on the scooter and throughout all documentation supplied with the scooter to identify important safety information. It is very important for you (and your attendant, if applicable) to read their meanings and understand them completely before operating the scooter.

SIGNAL WORD	DEFINITION
<b>DANGER</b>	Indicates an imminently hazardous situation which, if not avoided, will result in death or severe injury. Property damage may also result.
<b>WARNING</b>	Indicates a potentially hazardous situation which, if not avoided, could result in death or severe injury. Property damage may also result.
<b>CAUTION</b>	Indicates a potentially hazardous situation which, if not avoided, could result in moderate or minor injury. This signal word may also be used to alert against unsafe practices. When not accompanied by a safety alert symbol, this word is used to indicate a potentially hazardous situation which, if not avoided, could result in property damage.



**HAZARD IDENTIFICATION:** The hazard identification surround shape is represented as a black symbol on a yellow triangle with a black border. It is used to indicate a potentially hazardous condition/situation that could result in personal injury, component damage, or malfunction.



**MANDATORY ACTIONS:** The mandatory action surround shape is represented as a white symbol on a blue circle with a white border. It is used to convey mandatory actions that should be performed as specified in order to avoid a hazardous condition/situation.



**PROHIBITED ACTIONS:** The prohibited action surround shape is represented as a black symbol with a red circle and red slash. It is used to convey prohibited actions that should not be performed at any time or in any circumstances.

## LANGUAGE USAGE

This Consumer Safety Guide is intended for distribution in all English-speaking countries where our scooters are sold. We have chosen to compose this manual using language and spelling common to the USA. Since we recognize that not all English-speaking countries use the same words or spellings, please refer to the following chart for some common word variations that may be encountered throughout this manual.

USA	Variation		USA	Variation		USA	Variation
asphalt	tarmac		backward(s)	rearward(s)		center	centre
sidewalk	pavement		authorized	authorised		curb	kerb
path	footpath		counterclockwise	anticlockwise		provider	dealer; agent
path	bridleway		tire	tyre		trunk	boot
yard	grounds		cord	lead		wrench	spanner
turn signal	turn indicator		pocketbook	handbag		color	colour
meter	metre		elevator	lift		labor	labour

**Table 1. Word Variations**



## HAZARD IDENTIFICATION

The hazard identification surround shape is represented as a black symbol on a yellow triangle with a black border. It is used to indicate a potentially hazardous condition/situation that could result in personal injury, component damage, or malfunction. Follow all recommended mandatory and prohibited actions to avoid or prevent potentially hazardous conditions/situations.

## PRODUCT SAFETY SYMBOLS

The symbols below represent labels used on the product to identify warnings, mandatory actions, and prohibited actions. It is very important for you to read and understand these symbols completely. Do not remove these labels from your product. Please note that not all of the symbols may be used on your scooter model. If a label is damaged or needs to be replaced, please contact your authorized Provider.



Indicates a potentially hazardous situation which, if not avoided, could result in death or severe injury. Property damage may also result.



Indicates electrical shock hazard.



EMI/RFI – This product has been tested and passed at an immunity level of 20 V/m.



Indicates that explosive conditions exist.



Corrosive chemicals contained in batteries.



Pinch/Crush points exist.



Do not engage freewheel mode on a decline.



Do not engage freewheel mode on an incline.



Indicates hot surface. Avoid contact.

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Indicates a mandatory action that should be performed as specified in order to avoid a hazardous condition/situation. Failure to perform mandatory actions can lead to personal injury and/or equipment damage.



Read and follow the information in the owner's manual.



Indicates maximum weight capacity. Stay within the specified weight capacity of your product.



Use only AGM or Gel-Cell batteries to reduce the risk of leakage or explosive conditions.



DOT CFR 173.159

Contains sealed, non-spillable batteries that meet DOT CRF 173.159 (d), IATA packing instructions 806, IATA provision A67 for safe transportation.



Indicates correct connector orientation. Connect dotted plug to dotted connector.



Battery posts, terminals, and related accessories contain lead and lead compounds. Wear goggles and gloves when handling batteries and wash hands after handling.



Your product must be disposed of according to applicable local and national statutory regulations. Contact your local waste disposal agency or authorized provider for information on proper disposal of packaging, metal frame components, plastic components, electronics, batteries, neoprene, silicone, and polyurethane materials.



Contact your local recycling center or authorized provider for information on proper recycling of product components.



Indicates component is for indoor use only.



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Keep area clean.



Keep area dry.



N = Neutral (Brakes disengaged; unit in Freewheel Mode)



D = Drive (Brakes engaged; unit in Drive Mode)



Place unit on level ground and stand to one side when changing from drive mode to freewheel mode or freewheel mode to drive mode.



Indicates a prohibited action that should not be performed at any time or in any circumstances. Performing a prohibited action can cause personal injury and/or equipment damage.



Do not use batteries with different amp-hour (Ah) capacities. Do not mix old and new batteries. Always replace all batteries at the same time.



Do not mix AGM and Gel-Cell batteries. Always use batteries of the same type and chemistry.



Keep tools and other metal objects away from battery terminals. Contact with tools can cause electric shock.



Do not allow unsupervised children to play near the power chair while the batteries are charging.



Removal of grounding prong can create electrical hazard. If necessary, properly install an approved 3-pronged adapter to an electrical outlet having 2-pronged plug access.



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



Do not use a cell phone, walkie/talkie, laptop, or other radio transmitter while operating.



Indicates flammable material. Do not expose to heat sources such as open flame or sparks. Do not transport batteries with flammable or combustible items.



Do not tamper with, modify, or attempt to repair the mobility device. Contact your authorized provider for service or repair.



Avoid exposure to rain, snow, ice, salt, or standing water whenever possible. Maintain and store in a clean and dry condition.



**DOES NOT** meet ISO 7176-19 standards for occupied transport in a motor vehicle.



Do not remove anti-tip wheels.



Keep your hands, clothing and all other objects away from the tires when driving. Do not allow any personal belongings or objects to drag behind the scooter when driving. Be aware that loose fitting clothing or other objects can become caught in drive tires and/or they may become entangled in the running gear.



Do not operate the power seat, if equipped, while the scooter is in motion.



Not a brake



Not a step. Keep off!



Do not adjust suspension.



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## General Safety Guidelines

Your scooter is a state-of-the-art life-enhancement device designed to increase mobility. We provide an extensive variety of products to best fit the individual needs of the scooter user. Please be aware that the final selection and purchasing decision regarding the type of scooter to be used is the responsibility of the scooter user, who is capable of making such a decision, and his/her healthcare professional (i.e., medical doctor, physical therapist, etc.). 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 healthcare professional and/or the authorized provider in the instruction process for the use of the product.

**WARNING!** The scooter user must consult with his/her healthcare professional (i.e. medical doctor, physical therapist, etc.) if he/she experiences any changes or deterioration in his/her health or physical condition that may limit or impair his/her ability to safely operate a scooter.



**WARNING!** Do not operate your scooter for the first time without completely reading and understanding all information provided with your scooter, including but not limited to safety labeling, owner's manuals, and supplemental instructional booklets.

The following are precautions, tips, and other safety considerations intended to help you become accustomed to operating your scooter safely. While we recognize that scooter users will frequently develop skills to manage daily activities that may differ from those illustrated in this guide, it is imperative that all safety guidelines in this manual be followed to ensure user safety. Failure to follow the safety notices in this and other manufacturer-supplied manuals and those located on your scooter can lead to personal injury and/or damage to the scooter, and may result in voiding the product warranty.

## Modifications

We have designed and engineered your scooter to provide maximum mobility and utility. A wide range of accessories is available from your authorized provider to further customize your scooter to better suit your needs and/or preferences. However, 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 authorized by your provider. Do not use accessories if they have not been tested or approved for scooter. Approved accessories must be installed by your authorized provider or a qualified service technician.



**WARNING!** The addition of accessories to the scooter may change the overall weight, size, and/or center of gravity of your scooter. It is important to take note of these changes to avoid damage to the scooter and surrounding property.

The center of gravity of your seating system was factory set to a position that meets the needs of the demographic majority of users. It is the responsibility of your authorized provider to evaluate your seating system and make any necessary adjustments to suit your specific requirements to prevent the scooter from tipping forward, rearward, or to the side.

**WARNING!** Do not change your seating configuration without first contacting your authorized provider. Only your authorized provider or a trained service technician should make adjustments to the seating system.



**WARNING!** Do not use seating systems on your scooter that have not been tested or approved for your Scooter. Using unapproved seating systems could affect the center of gravity of your scooter, resulting in a tip or a fall.



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Controllers are factory set to a program that meets the needs of the demographic majority of users. The controller program can affect speed, acceleration, deceleration, dynamic stability, and braking. It is the responsibility of your authorized provider to evaluate your specific requirements and make any necessary adjustments to the controller program.

**WARNING!** If the controller is programmed incorrectly or outside of the safe limits as determined by your healthcare professional, it can create a dangerous situation. Only the scooter manufacturer, an authorized representative of the manufacturer, or a trained service technician should program the controller.



**WARNING!** Make sure the controller settings on your scooter are evaluated by your authorized provider every six to twelve months to reduce the risk of collision or tip-over. Contact your authorized provider immediately if you notice any change in your ability to control the throttle control lever, hold your upper body erect, or avoid collisions.

You should not modify the electrical system in any way not authorized by the scooter manufacturer.

**WARNING!** Do not connect any aftermarket or auxiliary devices to the scooter electrical system or use the scooter batteries to power any aftermarket or auxiliary devices unless you are using an adapter that has been tested and approved by the scooter manufacturer. Do not cut or splice any original equipment wires, cables, or harnesses for the purpose of adding aftermarket or auxiliary devices to the scooter as this may result in damage to the electrical system and batteries.



**WARNING!** Do not pull on electrical harnesses directly to detach them from the scooter. Always grasp the connector itself when disconnecting the harness to prevent wire damage.

**WARNING!** Ensure that the onboard or off-board charger power cord connectors are clean and dry before plugging the connectors into either the off-board charger socket or the electrical socket. Service the charger power cord regularly. Failure to do so may result in damage to the electrical system and/or personal injury.

**WARNING!** In the event of a loss of power to the scooter, transfer to a safe position, seeking assistance if needed. Contact your authorized provider immediately to report the incident.

## Weight Limitations

Your scooter is rated for a maximum weight capacity. Please refer to the product specifications table for this limit. Keep in mind that the maximum weight capacity includes the combined weight of the user and any accessories mounted to the scooter. Stay within the specified weight capacity of 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!** We recommend that you do not use the scooter as a seat during weight training activities or as a weight training apparatus. Such use can lead to undue stress and fatigue on scooter components, and can also affect center of gravity, resulting in a tip or a fall. We will not be held responsible for injuries and/or property damage resulting from use of the scooter in weight training activities or as a weight training apparatus.



**WARNING!** Do not carry passengers on your scooter. Carrying passengers on your scooter may affect the center of gravity, resulting in a tip or a fall. We will not be held responsible for injuries and/or property damage caused by carrying passengers on the scooter.





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**WARNING!** Do not use the scooter to haul, move, or tow other vehicles, including lawn mowers, ATV equipment, or other mobility devices. Your scooter was not designed with such use in mind and any damage or injury incurred from such use is not the responsibility of the scooter manufacturer.



Figure 1. Weight Limitations

## Tire Inflation

If your scooter is equipped with pneumatic tires, you should check or have the air pressure checked regularly. Proper inflation pressures will prolong the life of your tires and help ensure the smooth operation of your scooter. Always maintain the recommended psi/bar/kPa air pressure rating indicated on pneumatic tires.

**NOTICE:** If the tires on your scooter list the psi rating only, use the following conversion formulas to find the bar or kPa rating:  $\text{bar} = \text{psi} \times 0.06895$ ;  $\text{kPa} = \text{psi} \times 6.89476$ .



**WARNING!** It is important that the psi/bar/kPa air pressure rating indicated on pneumatic tires be maintained in the tires at all times. Do not underinflate or overinflate your tires. Low pressure may result in loss of control, and overinflated tires may burst. Failure to maintain the recommended psi/bar/kPa air pressure rating in pneumatic tires at all times may result in tire and/or wheel failure.

**WARNING!** Do not use a high pressure hose to inflate the scooter drive tires. Inflate the tires from a regulated, low pressure air source with an available pressure gauge. Inflating your tires from a high pressure or unregulated air source could overinflate them, resulting in a burst tire.

## 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 other incline.
- Take wide swings with your scooter's front wheels around any tight corners. If you do that, the scooter's rear wheels will follow a wide arc, not cut the corner short, and not bump into or get hung up on any railing corners.
- When driving down a ramp, keep the scooter's speed adjustment set to the slowest speed setting to ensure a safely controlled descent.
- Avoid sudden stops and starts.



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When climbing 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 your scooter to the slowest speed setting and drive in the forward direction only. 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, apply light pressure to the throttle control lever to ensure a safely controlled descent.

**WARNING!** When on any sort of an incline or decline, never place the scooter in freewheel mode, especially while seated on it or standing next to it.

**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!** You should not travel up or down potentially hazardous inclines, including but not limited to areas covered with snow, ice, cut grass, or wet leaves.

**WARNING!** Never travel down an incline or ramp backward. Doing so may cause the scooter to tip. Always exercise extreme caution when negotiating an incline.

**WARNING!** If your scooter is equipped with a reclining seatback, do not attempt to negotiate inclines with the seat in a reclined position. Do not attempt to negotiate obstacles with the seat in a reclined position unless an attendant is present to help stabilize the scooter. Failure to heed these precautions may result in the scooter tipping over.

Handicap public-access ramps are not subject to government regulation in all countries, and therefore do not necessarily share the same standard degree of slope. Other inclines may be natural or, if man-made, not designed specifically for scooters. Your scooter's ability to travel up inclines is affected by your weight, travel speed, angle of approach to the incline, and your scooter setup, including seat configuration. Therefore, we recommend that the maximum slope of an incline you attempt to safely ascend or descend on your scooter does not exceed the maximum allowable incline listed in the product specifications. Refer to the table below for standard degree of slope guidelines that are available for regions as noted. **See figure 2.**

Geographic Location	Minimum Safe Slope Requirement
USA (Americans with Disabilities Act–ADA)	ADA requires 5° (8.7%)
Europe (CE mark) Class A	3° (5.2%)
Europe (CE mark) Class B	6° (10.5%)
Europe (CE mark) Class C	10° (17.6%)

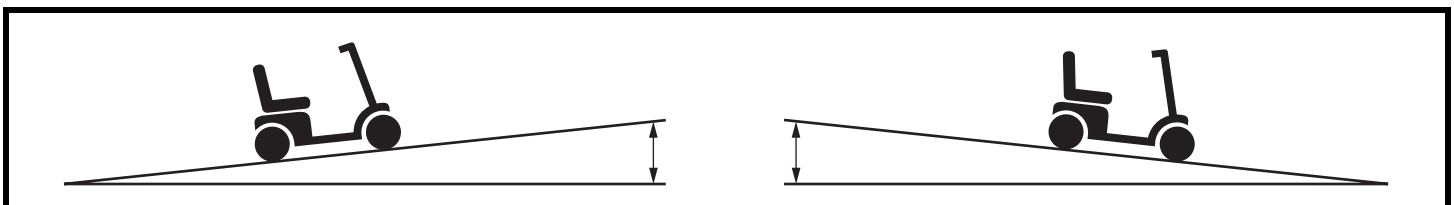


Figure 2. Maximum Allowable Incline Angle (Ascending and Descending)



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**WARNING!** Your scooter has been tested in accordance with certain ANSI-RESNA and ISO standards. You should not exceed the performance specifications of your scooter as noted in the product specifications.



**WARNING!** Any attempt to climb or descend a slope steeper than that specifically listed in your scooter product specifications may put your scooter in an unstable position and cause it to tip.

**WARNING!** Never carry an oxygen tank weighing more than 15 lbs. (6.8 kg). Never fill the front or rear basket with contents exceeding 15 lbs. (6.8 kg). Doing so could affect the center of gravity of the scooter, resulting in a tip over.

When you approach an incline, it is best to lean forward. This shifts the center of gravity of you and your scooter toward the front of the scooter for improved stability. **See figures 3 and 4.**



Figure 3. Normal Driving Position



Figure 4. Increased Stability Driving Position

## Freewheel Mode

Our scooters are equipped with a manual freewheel lever system to allow for manual maneuverability by the user or a trained attendant. When the scooter is in freewheel mode, the braking system is disengaged. The scooter should always be returned to drive mode to lock the brakes before leaving the scooter occupant unattended or returning control of the scooter back to the user.

**WARNING!** Do not place the scooter in freewheel mode while on an incline or decline. This could cause the scooter to roll uncontrollably on its own.



**WARNING!** Do not use your scooter in freewheel mode without an attendant present.

**WARNING!** Do not place the scooter in freewheel mode while the unit is powered up. Always turn the scooter power off and remove the key from the key switch before engaging or disengaging freewheel mode.



Figure 5. Freewheel Mode



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An added feature built into the scooter is “**push-too-fast**” protection which safeguards the scooter against gaining excessive speed while in freewheel mode.

“Push-too-fast” operates differently depending on which of two conditions exists:

- If the key is switched “off” while in freewheel mode, the scooter’s controller activates regenerative braking when the scooter is pushed faster than a maximum threshold which has been preprogrammed. In this case, the controller is acting as a speed governor.
- If the key is switched “on” while in freewheel mode, you will encounter considerable resistance at any speed. This prevents the scooter from gaining unwanted momentum should the manual freewheel lever inadvertently be released while driving the scooter.



**WARNING!** We strongly recommend that you not tow a scooter equipped with “push-too-fast” protection. Towing the scooter may exceed the maximum speed threshold, which could result in damage to the controller, electrical components and wiring, and the motor.

## Braking Information

Scooters are equipped with two powerful brake systems—regenerative and disc park brake. Regenerative braking uses electricity to rapidly slow the scooter to a neutral state. Disc park braking activates mechanically after regenerative braking slows the vehicle to near stop, or when power is removed from the system for any reason.

Unless equipped with a specialty device, the speed of your scooter is controlled by a throttle control lever. When the throttle control lever is moved from the center (neutral) position, an electronic signal is sent to the braking system. The signal causes the electromagnetic brakes to release, allowing the vehicle to move. The more pressure applied to the throttle control lever, the faster the vehicle will move up to a preset maximum speed. When the throttle control lever is released back to the center (neutral) position, the electronic signal is reversed and the electromagnetic brakes engage, allowing the scooter to decelerate to a stop.

**NOTICE:** *If the throttle control lever is released to the center (neutral) position when negotiating an incline, the scooter may “roll back” approximately 1 foot (30.5 cm) before the brake engages. This is caused by a momentary delay when the electronic signal to the brakes is reversed. If the throttle control lever is released while negotiating an incline in reverse, the scooter may “roll back” approximately 3 feet (1 meter) before the brake engages.*

## Cornering Information

Excessively high cornering speeds can still create the possibility of tipping. Factors which 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 directional changes. 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 center of gravity. Avoid shifting your weight in the opposite direction of the turn, which may cause the scooter to lose traction and tip over.

## Public Streets and Roadways

Your scooter is a sophisticated motorized vehicle. As with any type of vehicle, it is the responsibility of the user to contribute to his/her own safety by adhering to applicable state and local traffic laws, as well as those laws set forth specifically for operation of personal mobility devices. In addition, scooter users should be courteous to fellow pedestrians and follow basic safety rules when traveling in high-risk areas such as busy intersections, on sidewalks, and in parking lots.



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- Avoid operating your scooter on public streets and roadways intended for automotive traffic, such as cars, trucks, and buses. Your scooter is rated for outdoor use on bicycle paths and other similar roadways intended for low-speed personal mobility devices. Refer to the code of practice for personal mobility vehicles in your region for more information.
- Obey all pedestrian traffic signals and signs.
- Remain visible to all traffic by use of safety equipment such as reflectors, lights, and safety flags.
- Reduce your speed and give an audible signal before passing fellow pedestrians on sidewalks.
- Drive on the shoulder of the road or as close as possible to the curb when an adequate sidewalk does not exist.
- Stop and search for any oncoming traffic before crossing a roadway or intersection.
- Stay alert for vehicles entering/exiting parking spaces when navigating through parking lots.

**WARNING!** In most states, scooters are not legal for use on public roads. Be alert to the danger of motor vehicles on roads or in parking lots to avoid any risk of severe injury or death.



**WARNING!** You should not operate your scooter on public streets and roadways intended for cars, trucks, and other large automotive vehicles. Be aware that 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. We strongly recommend the use of safety equipment such as reflectors/reflective clothing, lights, and safety flags. Contact your authorized provider for information on the availability of these safety accessories.

## Stationary Obstacles (Steps, Curbs, etc.)

Proceed with extreme caution when driving near raised surfaces, unprotected ledges and/or drop-offs (curbs, porches, stairs, etc.). Refer to the scooter specifications for information regarding maximum obstacle climbing height for your scooter.

### To navigate up over a curb or stationary obstacle:

1. Approach the curb or obstacle slowly, and make sure the scooter is traveling perpendicular to the obstacle. **See figure 6.**
2. Increase the forward speed just before the front wheels come in contact with the obstacle.
3. Reduce the forward speed only after the rear wheels have cleared the obstacle.

### To navigate down a curb or stationary obstacle:

1. Approach the curb or obstacle slowly, and make sure the scooter is traveling perpendicular to the obstacle. **See figure 6.**
2. Reduce the forward speed just before the front wheels come in contact with the obstacle.
3. Increase the forward speed only after the rear wheels have cleared the obstacle and you are once again on a level surface.



**WARNING!** Even though your scooter may be capable of handling greater obstacles, We recommend that you do not attempt to negotiate a curb that has a height greater than 2 in. (5 cm). Doing so could cause instability in your scooter.

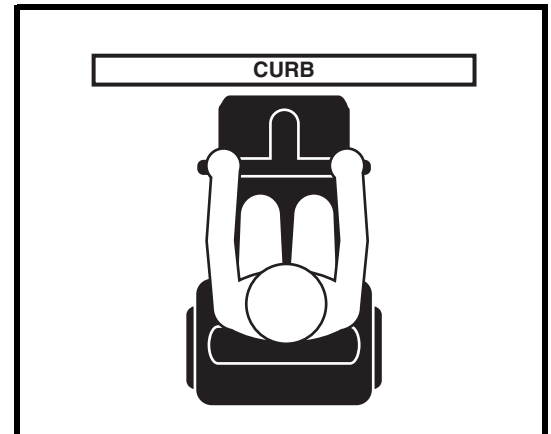


Figure 6. Correct Curb Approach



Figure 7. Incorrect Curb Approach



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**WARNING!** Do not attempt to have your scooter climb or descend an obstacle that is inordinately high unless you have the assistance of an attendant.



**WARNING!** Do not attempt to have your scooter proceed backward down any step, curb, or other obstacle. This may cause the scooter to tip.

**WARNING!** Do not approach curbs at an angle; instead approach any curb you intend to ascend or descend in the forward position.

## 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, we recognize that there will be times when you will encounter other surface types. For this reason, your scooter is designed to perform admirably on packed soil, grass, and gravel. Feel free to use your scooter safely on lawns and in park areas.

**WARNING!** Avoid driving on uneven terrain and/or soft surfaces.

**WARNING!** Avoid tall grass that can entangle the running gear.

**WARNING!** Avoid loosely packed gravel and sand.



**WARNING!** Do not use your scooter on or near railroad tracks or crossings.

**WARNING!** Do not use your scooter in fresh or salt water.

**WARNING!** Do not use your scooter at the edge of a stream, lake, or ocean.

**WARNING!** If you feel unsure about a driving surface, avoid that surface.

**NOTICE:** *If at any time you feel uncomfortable with the way your scooter handles on a particular driving surface, contact your authorized provider. Your provider may be able to adjust the performance parameters of your controller program to allow a more comfortable ride.*



**WARNING!** Only the scooter manufacturer, an authorized representative of the manufacturer, or a trained service technician should program the controller.

## Inclement Weather Precautions

Even though your scooter has passed the necessary testing requirements for such use, exposure of your scooter to inclement weather conditions should be avoided whenever possible. If 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 your scooter.

**WARNING!** Operating in rain, snow, salt, mist/spray conditions, and on icy/slippery surfaces can have an adverse effect on the electrical system and may damage the upholstery or cause the scooter frame to prematurely rust. Maintain and store your scooter in a dry and clean condition.



**WARNING!** Prolonged exposure to hot or cold conditions may affect the temperature of upholstered and non-upholstered items on the scooter, possibly resulting in skin irritation. 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.





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## Ingress of Liquids



**WARNING!** Even though the scooter has passed the necessary testing requirements for ingress of liquids, you should keep electrical connections away from sources of dampness, including direct exposure to water or bodily fluids and incontinence. Check electrical components frequently for signs of corrosion and have them replaced as necessary.

**WARNING!** Never take your scooter into a shower, tub, pool, or sauna. Do not operate your scooter in fresh or salt water, including lakes, streams, or oceans.

## Stairs and Escalators

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

**WARNING!** Never use your scooter to negotiate stairs or escalators.



**WARNING!** Use extreme caution when it is necessary to move an unoccupied scooter up or down stairs. We recommend that two attendants perform this task, and that the seat, batteries, and any accessories be removed before attempting the transfer. Use proper lifting techniques and use only solid, non-removable frame components to lift the scooter.

## Elevators

Modern elevators have a door edge safety mechanism that, when pushed, reopens the elevator 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 reopen.
- Use care that pocketbooks, packages, or scooter accessories do not become caught in elevator doors.

**NOTICE:** If your scooter's turning radius is greater than 60 in. (152 cm), it may be difficult to maneuver in elevators and building entrances. Use caution when attempting to turn or maneuver your scooter in small spaces and avoid areas that might pose a problem.

## Doors

- Determine if the door opens toward or away from you.
- 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.

## Lift Systems/Elevation Products

If you will be transporting your scooter during travel, you may find it necessary to use a vehicle-mounted lift system or elevation product to aid in transportation. We recommend that you closely review the instructions, specifications, and safety information set forth by the manufacturer of the lift/elevation product before using that product.

**WARNING!** Not all lift systems/elevation products are rated for use with an occupied mobility device. We recommend that you do not remain seated in your scooter when it is being used in connection with any type of lift system/elevation product unless:

- That product is rated for occupied use by the manufacturer.
- You are able to occupy your mobility device in strict conformity with the warnings, instructions, specifications, and safety guidelines set forth by the manufacturer.



**WARNING!** Always turn off the power to the scooter when you are being transferred via an elevation product. Failure to do so may result in accidental throttle control lever contact, resulting in unintended movement and personal injury or product damage.



## HAZARD IDENTIFICATION

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**WARNING!** Always make sure the scooter is in drive mode when you are being transferred via an elevation product. If the scooter is left in freewheel mode, unintended movement, personal injury, and/or product damage could result.

## Unoccupied Motor Vehicle Transport

We recommend that you do not remain seated in your scooter while traveling in a motor vehicle. The scooter should be stowed in the trunk of a car or in the back of a truck or van with batteries removed and/or properly secured. In addition, all removable scooter parts, including the armrests, seat, and shrouds, should be removed and/or properly secured during motor vehicle transport.

**WARNING!** The scooter user should transfer into the motor vehicle seat and use the vehicle-installed restraint system if and whenever feasible. The scooter user should never sit on the scooter while it is in a moving vehicle.



**WARNING!** Although your scooter may be equipped with a positioning belt, this belt 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!** Always be sure your scooter and its batteries are properly secured when it is being transported. Batteries should be secured in an upright position and protective caps should be installed on the battery terminals. Batteries should not be transported with any flammable or combustible items.

## Seating

We provide an extensive variety of seating systems to fit the needs of the individual user. Please be aware that the final selection regarding the type of seating system to be used is the responsibility of the scooter user, who is capable of making such a decision, and his/her healthcare professional (i.e., medical doctor, physical therapist, etc.).

**WARNING!** If the weight capacity of the seating system and the scooter differ, always adhere to the lesser weight capacity.

**WARNING!** Should the fittings on your seating system become loose, report the problem immediately to your authorized provider. Check any actuators for loose, worn, or damaged items and have any damaged wires replaced immediately.



**WARNING!** If your scooter is equipped with power seating, check the immediate area to ensure nothing is trapped in the mechanism before operating the recline or lift features. Always check to make sure children and pets are clear of the moving parts of the seating system. Do not store items under the seat that may interfere with operation of the mechanism. Keep area clear prior to and during movement.

**WARNING!** Do not recline the seat while driving or while on an incline or decline. This could cause the scooter to tip over rearwards, resulting in personal injury and product damage.

**WARNING!** Do not remove the seat cushion supplied with the scooter. Do not place additional cushions, padding, or pillows on the seat cushion. This could cause an unstable position, resulting in a fall from the scooter.





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## Positioning Belts

Your authorized provider, therapist(s), and other healthcare professionals are responsible for determining your requirement for a positioning belt in order to operate your scooter safely. Typically, the positioning belt is not designed for use as a restraining device in a motor vehicle. You should be properly belted into seats approved by the vehicle manufacturer with your scooter properly stowed for vehicle transport.

Positioning belts should be installed as detailed in “Comfort Adjustments” of the scooter owner’s manual. Once installed, the belt should be placed across the pelvis as determined by the user’s healthcare professional.

**WARNING!** If you require a positioning belt to safely operate your scooter, make sure it is fastened securely during scooter operation. This will reduce the possibility of a fall from the scooter and will ensure that the positioning belt cannot get caught in the tires while driving.



**WARNING!** The positioning belt is not designed for use as a seat belt in a motor vehicle, nor is your scooter suitable for use as a seat in any vehicle. Anyone traveling in a vehicle should be properly belted into seats approved by the vehicle manufacturer.

**WARNING!** Make sure the positioning belt is properly secured to the scooter and is adjusted for operator comfort before each use.

**WARNING!** Inspect the positioning belt for loose parts or damage, including tears, worn spots, bent hardware, or damaged latch mechanisms, before each use of the scooter. If you discover a problem, contact your authorized provider for maintenance and repair.

## User Positioning

We recommend that all users be seated in an upright position with their pelvis positioned as far rearward as possible in the scooter seat. All users need to discuss pelvic positioning with their authorized scooter provider, therapist(s), or healthcare professional to determine appropriate pelvic position when seated on the scooter based on their individual medical needs.

## Batteries

In addition to following the warnings below, be sure to comply with all other battery handling information provided in “Batteries and Charging” of the scooter owner’s manual.

**WARNING!** Battery posts, terminals, and related accessories contain lead and lead compounds. Wear goggles and gloves when handling and wash hands after handling.

**WARNING!** Always use batteries of the exact same type, chemistry, and amp-hour (Ah) capacity. Refer to the specifications provided with the scooter and in the manual supplied with the battery charger for recommended type and capacities.



**WARNING!** Only spill-proof sealed batteries, such as “gelled electrolyte,” that meet DOT CFR 173.159 should be used in the scooter. Replacement batteries should be obtained directly from an authorized provider to ensure conformity, fit, and function.

**WARNING!** Scooter batteries are heavy. Refer to the specifications provided with the scooter for specific battery weights. Anyone lifting scooter batteries should use proper lifting techniques and avoid lifting beyond his/her capacity.



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**WARNING!** Do not lift the batteries by the electrical cables. Always lift the batteries using the straps provided by the battery manufacturer or by grasping the battery itself.

**WARNING!** Always protect the batteries from freezing and never charge a frozen battery. Charging a frozen battery may result in damage to the battery.

**WARNING!** Battery harnesses must be connected in the proper manner. RED (+) cables must be connected to positive (+) battery terminals/posts. BLACK (-) cables must be connected to negative (-) battery terminals/posts. Protective caps should be installed over all battery terminals. REPLACE cables immediately if damaged, making sure to follow the battery terminal orientation depicted on the battery wiring diagram located in the product owner's manual and on the scooter.



**WARNING!** Do not remove the fuse links from the battery harnesses. If the fuse links appear damaged, contact your authorized provider for service.

**WARNING!** Do not attempt to charge the batteries by connecting cables directly to the battery terminals. Do not attempt to charge the batteries while operating the scooter.

**WARNING!** Do not mix old and new batteries. Always replace all batteries at the same time.

**WARNING!** Contact your authorized provider if you have any questions regarding the batteries in your scooter.

## Battery Recycling and Disposal

If you encounter a damaged or cracked battery, immediately enclose it in a plastic bag. Never install a battery with a cracked or damaged case. If you discover battery acid on or around either battery, apply baking soda to the affected areas to neutralize the acid. Before reinstalling new batteries, clean the baking soda from the affected areas. Wear safety goggles and gloves in order to avoid contact with skin and eyes. Contact your local waste disposal agency or your authorized provider for instructions on proper battery disposal and recycling.

## Removable Parts



**WARNING!** Do not attempt to lift or move your scooter or seating system by grasping or holding onto any of its removable parts, including the armrest(s), seat cushions, seatback, or shrouds. Grasp only solid, non-removable frame components to lift or move your scooter or seating system.

## Preventing Unintended Movement

**WARNING!** If you anticipate being seated in a stationary position for an extended period of time, turn off the power to the scooter. This will prevent unexpected motion from inadvertent throttle control lever contact. This will also eliminate the possibility of unintended scooter movement from electromagnetic (EM) sources.



**WARNING!** Avoid using long or dangling key chains, key fobs, or key rings with dangling accessories that may interfere with the operation of the throttle control lever, resulting in unintended or uncontrolled movement of the scooter.



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## Reaching and Bending

Never reach, lean, or bend while driving your scooter. Bending forward creates the risk of accidental throttle control lever contact. Bending to the side while seated creates the risk of tipping. If it is absolutely necessary to reach, lean, or bend while seated on your scooter, it is important to maintain a stable center of gravity and keep the scooter from tipping. Make sure the wheels are pointed in the forward position to create the longest possible wheelbase. We recommend that the scooter user determine his/her personal limitations and practice bending and reaching in the presence of a qualified healthcare professional. **See figures 8 and 9.**

**WARNING!** Do not bend, lean, or reach for objects if you have to pick them up from the scooter deck by reaching down between your knees, if you have to lean from either side of the scooter, or if you have to reach over the back of the seat. Movements such as these may change your center of gravity and the weight distribution of the scooter. This may cause your scooter to tip.



**WARNING!** Keep your hands, clothing, and all other objects away from the tires when driving. Do not allow any personal belongings or objects to drag behind the scooter when driving. Be aware that loose fitting clothing or other objects can become caught in drive tires and/or they may become entangled in the running gear.

**WARNING!** Possible strangulation hazard! Be aware that clothing, lanyards, necklaces, other jewelry, purses, and other accessories worn or carried by you while you are seated on or operating the scooter may get caught around the armrests or throttle control lever. Be careful to avoid this potential danger.

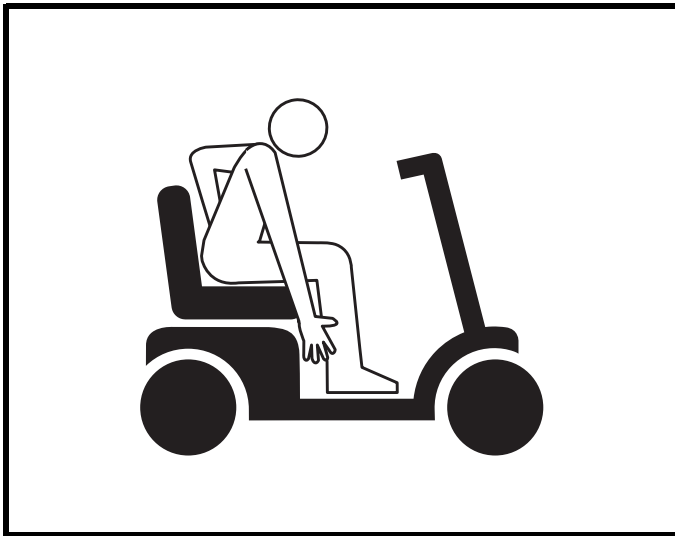


Figure 8. Proper Reaching and Bending

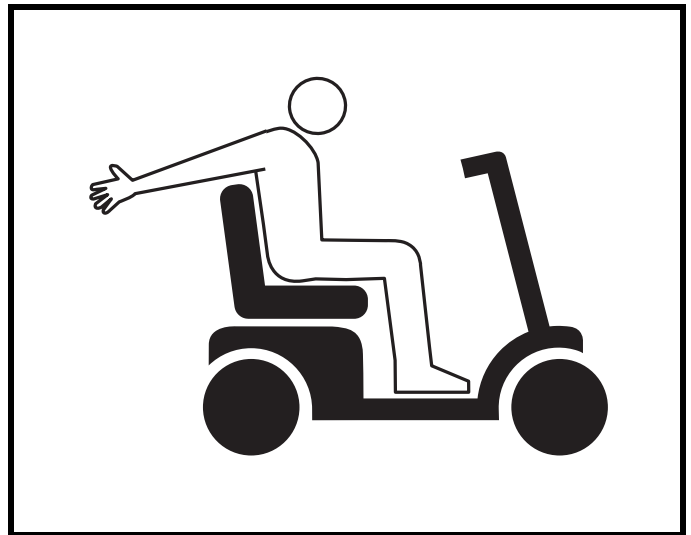


Figure 9. Improper Reaching and Bending



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## Transfers

Transferring onto and off of your scooter requires a good sense of balance. Always have an attendant or healthcare professional present while learning to properly transfer.

To eliminate the possibility of injury, we recommend that you or a trained attendant perform the following tasks before attempting a transfer:

- Remove the key from the key switch.
- Ensure your scooter is not in freewheel mode. See “Your Scooter” in the scooter owner’s manual.
- Make sure both armrests are flipped up or removed from your scooter.
- Make sure the seat is fixed securely in place.

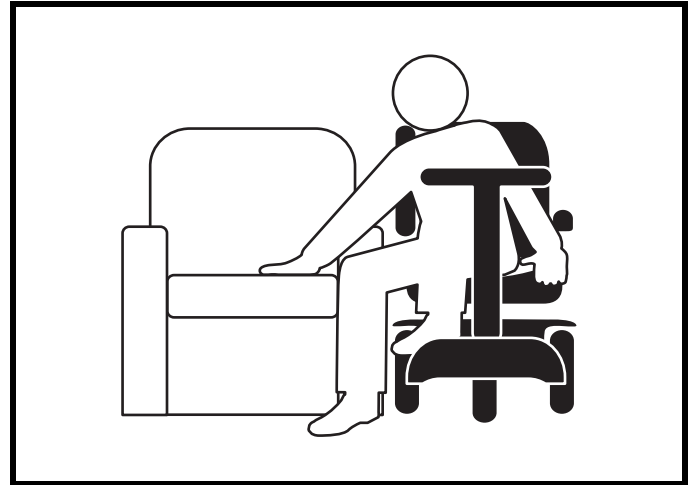


Figure 10. Recommended Transfer Position

**WARNING!** Before transferring, remove the key from the key switch to prevent unintended movement.



**WARNING!** Before transferring, position yourself as far back as possible in the scooter seat to prevent the scooter from tipping forward during transfer.

**WARNING!** Avoid putting all of your weight on the scooter armrests and do not use the armrests for weight bearing purposes, such as transfers. Such use may cause the scooter to tip, resulting in a fall from the scooter and personal injury.

**WARNING!** Avoid putting all of your weight on the scooter deck. Such use may cause the scooter to tip.

## Prescription Drugs/Physical Limitations

Users must exercise care and common sense when operating a scooter. This includes awareness of safety issues when taking prescribed or over-the-counter drugs or when the user has specific physical limitations.



**WARNING!** Consult your physician if you are taking prescribed 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.

## Alcohol/Smoking

The scooter user must exercise care and common sense when operating his/her scooter. This includes awareness of safety issues while under the influence of alcohol or while smoking.

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

**WARNING!** We strongly recommend that you do not smoke cigarettes while seated in your scooter, even though the scooter has passed the necessary testing requirements for exposure to cigarette smoking. You must adhere to the following safety guidelines if you decide to smoke cigarettes while seated in your scooter.



- Do not leave lit cigarettes unattended.
- Keep ashtrays a safe distance from the seat cushions.
- Always make sure cigarettes are completely extinguished before disposal.



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## Flammability Precautions

**WARNING!** Even though the plastics used on your scooter have been tested and have passed flammability standards, we recommend that you do not expose your scooter to open flames.



**WARNING!** Exercise extreme caution when using oxygen in close proximity to electrical circuits and combustible materials. Contact your oxygen provider for information on using oxygen safely.

**WARNING!** Replace worn or damaged upholstery immediately to reduce the risk of fire hazard.

**WARNING!** Be aware that washing of upholstered items may reduce the resistance to flammability of the fabric.

## Hazardous Environments



**WARNING!** Due to the electrical make-up of our products, we do not recommend use of our scooters in Class I Division I industrial or commercial environments where the work area could have a combustible air composition. In such an environment, it is possible for the scooter to become an ignition source for a fire or explosion.

## Sports and Athletics

The scooter user must exercise care and common sense when operating his/her scooter. This includes awareness of safety issues while participating in sports and athletics. All sports activities run the risk of injury. We recommend that your scooter be equipped with a positioning belt and that you use sports safety equipment such as helmets and padding if you choose to participate in sports activities.

In addition, it is your responsibility to inform your authorized provider if you will be participating in sports and athletics. Your scooter may not be set up properly for sports activities in terms of both seat configuration and controller program. If you participate in sports activities of any kind, make sure your authorized provider has monitored your use of the scooter in this activity. This will aid your provider in configuring the scooter to suit your specific needs safely and comfortably. After any adjustments have been made, your provider should once again monitor your use of the scooter in this activity to ensure that you are comfortable with the new settings.



**WARNING!** Participating in sports and athletics is done at the user's own risk. The scooter user is responsible for using proper safety equipment and for ensuring that his/her authorized provider has properly configured the scooter for such use. We will not be held liable for personal injury and/or product damage resulting from use of the scooter in any sports-related activity.

## 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.

Electromagnetic and Radio Frequency Interference 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, these waves 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.



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**WARNING!** Be aware that cell phones, two-way radios, laptops, electricity generators or high power sources, and other types of radio transmitters may cause unintended movement of your electrically-powered mobility vehicle due to EMI. Do not turn ON hand-held personal communication devices, such as citizens band (CB) radios and cellular phones, while the scooter is turned on. Be aware of nearby transmitters, such as radio or TV stations, and avoid coming into close proximity to them.



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

**WARNING!** The electrically-powered mobility vehicle itself can disturb the performance of other electrical devices located nearby, such as alarm systems.

**NOTICE:** For further information on EMI/RFI, contact your authorized provider. If unintended motion or brake release occurs, turn your scooter off as soon as it is safe to do so. Contact your authorized provider to report the incident.

## USER SAFETY NOTICE

Your safety is important to us. If there is any information in this manual which you do not understand, or if you require additional assistance for setup or operation, please contact your authorized provider. **Failure to follow the instructions, warnings, and notes in this manual and those located on your product can result in personal injury or product damage and will void the product warranty.**

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