

# RANGER



**OWNER'S MANUAL**

# SAFETY GUIDELINES



**WARNING!** An authorised Pride Dealer or qualified technician must perform the initial setup of this scooter and must perform all of the procedures in this manual.

The symbols below are used throughout this owner'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!** Indicates a potentially hazardous condition/situation. Failure to follow designated procedures can cause either personal injury, component damage or malfunction. On the product, this icon is represented as a black symbol on a yellow triangle with a black border.



**MANDATORY!** These actions should be performed as specified. Failure to perform mandatory actions can cause personal injury and/or equipment damage. On the product, this icon is represented as a white symbol on a blue dot with a white border.



**PROHIBITED!** These actions are prohibited. These actions should not be performed at any time or in any circumstances. Performing a prohibited action can cause personal injury and/or equipment damage. On the product, this icon is represented as a black symbol with a red circle and a red slash.

## Intended Use

The intended use of the Pride Mobility Products device is to provide mobility to persons limited to a seated position that have the capability of operating a powered scooter.

## Quick Reference Information

Pride Dealer: \_\_\_\_\_

Address: \_\_\_\_\_

Phone Number: \_\_\_\_\_

Purchase Date: \_\_\_\_\_ Serial Number: \_\_\_\_\_

**NOTE:** This owner's manual is compiled from the latest specifications and product information available at the time of publication. We reserve the right to make changes as they become necessary. Any changes to our products may cause slight variations between the illustrations and explanations in this manual and the product you have purchased. The latest/current version of this manual is available on our website.



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# CONTENTS

<b>I. INTRODUCTION</b> .....	4
<b>II. SAFETY</b> .....	5
<b>III. YOUR SCOOTER</b> .....	19
<b>IV. BATTERIES AND CHARGING</b> .....	23
<b>V. OPERATION</b> .....	28
<b>VI. COMFORT ADJUSTMENTS</b> .....	30
<b>VII. DISASSEMBLY AND ASSEMBLY</b> .....	33
<b>VIII. BASIC TROUBLESHOOTING</b> .....	34
<b>IX. CARE AND MAINTENANCE</b> .....	35
<b>X. WARRANTY</b> .....	38
<b>APPENDIX I - SPECIFICATIONS</b> .....	39

# I. INTRODUCTION

## SAFETY

Welcome to Pride Mobility Products Ltd. (Pride). The scooter you have purchased combines state-of-the-art components with **safety**, comfort and styling in mind. We are confident the design features will provide you with the conveniences you expect during your daily activities. Understanding how to **safely** operate and care for this scooter should bring you years of trouble-free operation and service.

**Read and follow** all instructions, warnings and notes in this manual and all other accompanying literature before attempting to operate this product for the first time. In addition, your **safety** depends upon you, as well as your dealer, carer or healthcare professional in using good judgement.

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 authorised Pride Dealer. **Failure to follow the instructions, warnings and notes in this manual and those located on your scooter can result in personal injury or product damage and will void Pride's product warranty.**

## PURCHASER'S AGREEMENT

By accepting delivery of this product, you promise that you will not change, alter or modify this product or remove or render inoperable or unsafe any guards, shields or other safety features of this product; fail, refuse or neglect to install any retrofit kits from time to time provided by Pride to enhance or preserve the safe use of this product.

## SHIPPING AND DELIVERY

Before using your scooter, make sure your delivery is complete as some components may be individually packaged. If you do not receive a complete delivery, please contact your authorised Pride Dealer immediately. Where damage has occurred during transport, either to the packaging or content, please contact the delivery company responsible.

## INFORMATION EXCHANGE

We want to hear your questions, comments and suggestions about this manual. We would also like to hear about the safety and reliability of your new scooter, and about the service you received from your authorised Pride Dealer. Please notify us of any change of address, so we can keep you apprised of important information about safety, new products and new options that can increase your ability to use and enjoy your scooter. Please feel free to contact us at the address below:

Pride Mobility Products Ltd.  
32 Wedgwood Road  
Bicester, Oxon OX26 4UL

***NOTE: If you ever lose or misplace your product registration card or your copy of this manual, contact us and we will be glad to send you a new one immediately.***

## II. SAFETY

### PRODUCT SAFETY SYMBOLS

The symbols below are used on the scooter to identify warnings, mandatory actions and prohibited actions. It is very important for you to read and understand them completely.



**Pinch/Crush points created during assembly.**



**Corrosive chemicals contained in battery.**



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



**Do not lift the mobility vehicle while seated in it.**



**Do not lift the mobility vehicle while seated in it.**



**Explosive conditions exist!**



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

## II. SAFETY



**Maximum seating weight.**



**Do not place scooter in freewheel mode on a decline.**



**Do not place scooter in freewheel mode on an incline.**



**Wear safety goggles.**



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



**Do not remove anti-tip wheels.**



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

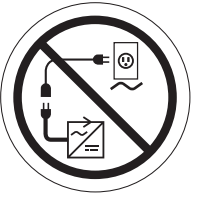
## II. SAFETY



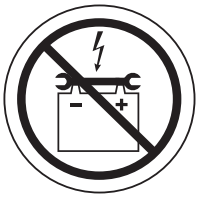
**Avoid exposure to rain, snow, ice, salt or standing water whenever possible. Maintain and store in a clean and dry condition.**



**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.**



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



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



**Do not allow unsupervised children to play near the scooter while the batteries are charging.**



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



**Keep your hands away from the tyres when driving. Be aware that loose fitting clothing can become caught in drive tyres.**

## II. SAFETY



**Battery charger for indoor use only.**



**Disposal and recycling - Contact your authorised Pride Dealer for information on proper disposal and recycling of your Pride product and its packaging.**



**Contains Lead.**



# II. SAFETY

## GENERAL



**WARNING! Do not operate your new scooter for the first time without completely reading and understanding this owner's manual.**

Your scooter is a state-of-the-art life-enhancement device designed to increase mobility. Pride provides 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 authorised Pride Dealer in the instruction process for the use of the product.

There are certain situations, including some medical conditions, where the scooter 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 scooter 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 lifts, up and down ramps and over moderate terrain.

Below are some precautions, tips and other safety considerations that will help you become accustomed to operating the scooter safely.

## MODIFICATIONS

Pride has designed and engineered your scooter to provide maximum mobility and utility. A wide range of accessories are available from your authorised Pride Dealer to further customise 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 authorised by Pride. Do not use accessories if they have not been tested or approved for Pride Products.**

## 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. Pride recommends that you perform a safety check before each use to make sure your scooter operates smoothly and safely.

## II. SAFETY

### Perform the following inspections prior to using your scooter:

- Check for proper tyre inflation. Maintain but do not exceed the psi/bar/kPa air pressure rating indicated on each tyre if equipped with pneumatic tyres.
- Check all electrical connections. Make sure they are tight and not corroded.
- Check all harness connections. Make sure they are secured properly.
- Check the brakes.
- Check battery charge.

If you discover a problem, contact your authorised Pride Dealer for assistance.

### TYRE INFLATION

If your scooter is equipped with pneumatic tyres, you should check or have the air pressure checked 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/kPa air pressure rating indicated on the tyre be maintained in pneumatic tyres at all times. Do not underinflate or overinflate your tyres. Low pressure may result in loss of control, and overinflated tyres may burst. Failure to maintain the psi/bar/kPa air pressure rating indicated on pneumatic tyres at all times may result in tyre and/or wheel failure.**

**WARNING! Inflate your scooter tyres from a regulated air source with an available pressure gauge. Inflating your tyres from an unregulated air source could overinflate them, resulting in a burst tyre.**

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

### WEIGHT LIMITATIONS

Your scooter is rated for a maximum weight capacity. Refer to the specifications table for information.



**MANDATORY! Stay within the specified weight capacity for your scooter. Exceeding the weight capacity voids your warranty. Pride 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 affect the centre of gravity, resulting in a tip or fall.**

### 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 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.

## II. SAFETY

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, do so by setting the speed adjustment dial to the slowest setting and driving 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 push the throttle control lever forward slightly 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! Do not drive your scooter across the side of an incline or diagonally up or down an incline; do not stop, if possible, while driving up or down an incline.**

**WARNING! You should not travel up or down a potentially hazardous incline (i.e., 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 1, do not, under any circumstances, exceed the incline guidelines or any other specifications presented in this manual. Doing so could cause instability in your scooter.**

Handicap public access ramps are not subject to government regulation in all countries, and therefore do not necessarily share the same standard percent of slope. Other inclines may be natural or, if man-made, not designed specifically for scooters. **Figure 1** illustrates your scooter's stability and its ability to climb grades under various weight loads and under controlled testing conditions.

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



**WARNING! Any attempt to climb or descend a slope steeper than what is shown in figure 1 may put your scooter in an unstable position and cause it to tip.**

**WARNING! Never carry an oxygen tank weighing more than 6.8 kg (15 lbs.). Never fill the rear basket with contents exceeding 6.8 kg (15 lbs.).**

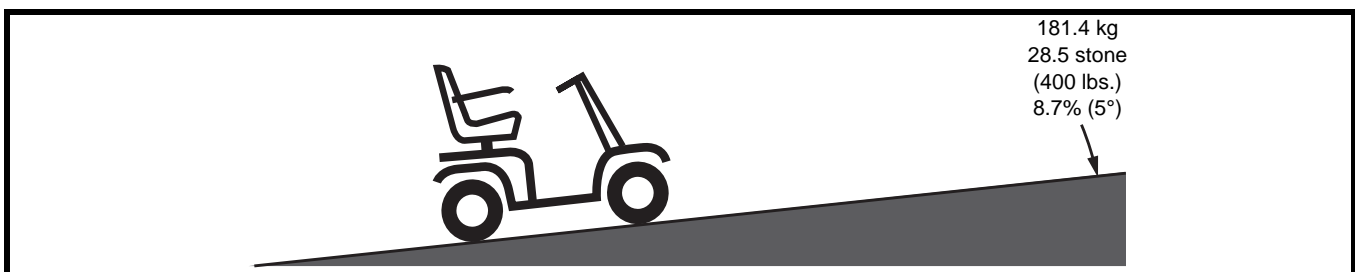


Figure 1. Maximum Recommended Incline Angle

## II. SAFETY

When you approach an incline, it is best to lean forward. See figures 2 and 2A. This shifts the centre of gravity of you and your scooter toward the front of the scooter for improved stability.

**NOTE:** When negotiating ramps, if the throttle control lever is released while moving forward, the powered scooter may "roll back" approximately 30.48 cm (1 foot) before the brake engages. If the throttle control lever is released while moving in reverse, the powered scooter may "roll back" approximately 1 metre (3 feet) before the brake engages.

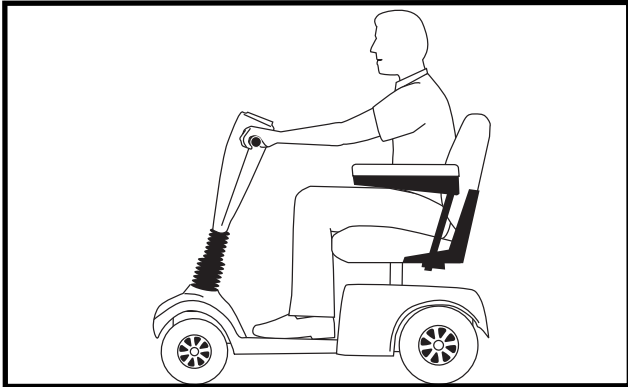


Figure 2. Normal Driving Position

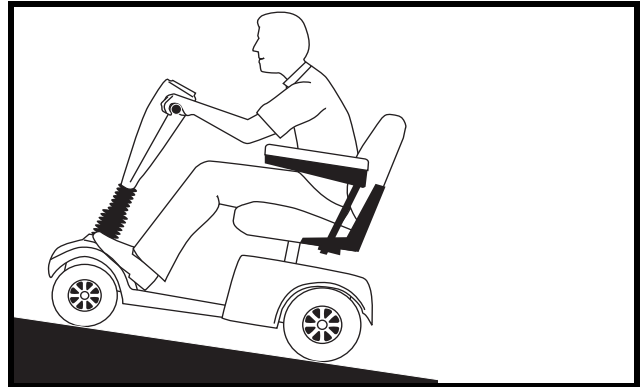


Figure 2A. Increased Stability Driving Position

### CORNERING INFORMATION

Excessively high cornering speeds can 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 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 extreme common sense when cornering.

### BRAKING INFORMATION

Your scooter is equipped with two powerful brake systems:

- Regenerative: Uses electricity to rapidly slow the vehicle when the throttle control lever returns to the centre/stop position.
- Disc Park Brake: Activates mechanically after regenerative braking slows the vehicle to near stop, or when power is removed from the system for any reason.

## II. SAFETY

### OUTDOOR DRIVING SURFACES

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

- Reduce your scooter's 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 that surface.

### STREETS AND ROADWAYS



**WARNING!** Exercise extreme caution when operating the scooter on footpaths, pavements, bridleways, pedestrian areas and roads. Obey all local pedestrian traffic rules.

### STATIONARY OBSTACLES (STEPS, KERBS, ETC.)

**WARNING!** Do not drive near raised surfaces, unprotected ledges and/or drop-offs (kerbs, porches, stairs, etc.).

**WARNING!** Do not attempt to have your scooter climb or descend an obstacle that is inordinately high.



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

**WARNING!** Be sure your scooter is traveling perpendicular to any kerb you may be required to ascend or descend. See figures 3 and 4.

**WARNING!** Do not attempt to negotiate a kerb that has a height greater than 5 cm (2 in.).

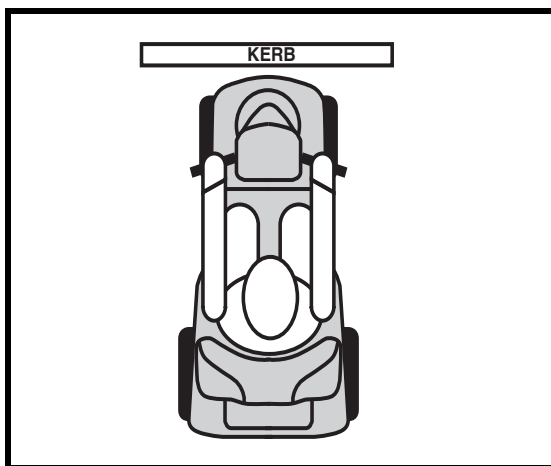


Figure 3. Correct Kerb Approach

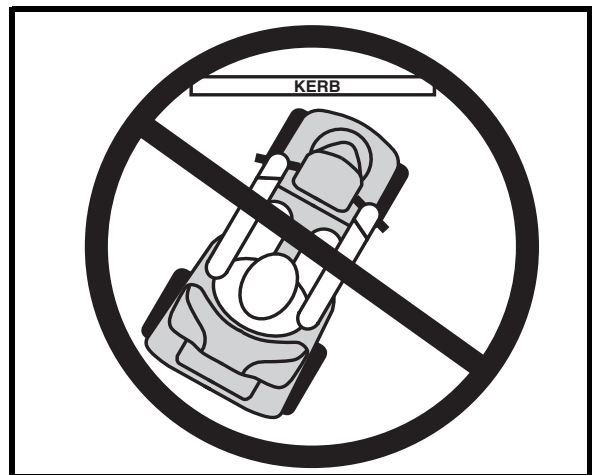


Figure 4. Incorrect Kerb Approach

## II. SAFETY

### INCLEMENT WEATHER PRECAUTIONS

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.



**PROHIBITED! Operating in rain, snow, salt, mist/spray conditions and on icy/slippery surfaces can cause damage to the scooter and electrical system. 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.**

### FREEWHEEL MODE

Your scooter is equipped with manual freewheel levers that, when pushed down, allow the scooter to be pushed. For more information about how to place your scooter into and out of freewheel mode, see III. “Your Scooter.”



**WARNING! When your scooter is in freewheel mode, the braking system is disengaged.**

- **Disengage the drive motors only on a level surface.**
- **Ensure the key is removed from the key switch.**
- **Stand to the side of the scooter to engage or disengage freewheel mode. Never sit on a scooter to do this.**
- **After you have finished pushing your scooter, always return it to the drive mode to lock the brakes.**

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.

### STAIRS AND ESCALATORS

Scooters are not designed to travel up or down stairs or escalators. Always use a lift.



**WARNING! Do not use your scooter to negotiate steps or escalators.**

### DOORS

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

## II. SAFETY

### LIFTS

Modern lifts have a door edge safety mechanism that, when pushed, reopens the door(s).

- If you are in the doorway of a lift 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 handbags, packages or scooter accessories do not become caught in lift doors.

**NOTE:** *If your scooter's turning radius is greater than 152.4 cm (60 in.), it may be difficult to manoeuvre in lifts and building entrances. Use caution when attempting to turn or manoeuvre your scooter in small spaces, and avoid areas that might pose a problem.*

### LIFT/ELEVATION PRODUCTS

If you will be traveling with your scooter, you may find it necessary to use a lift/elevation product to aid in transportation. Pride recommends 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! Never sit on your scooter when it is being used in connection with any type of lift/elevation product. Your scooter was not designed with such use in mind, and any damage or injury incurred from such use is not the responsibility of Pride.**

### BATTERIES

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. See specifications table. 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. Charging a frozen battery may result in damage to the battery.**

**WARNING! Connect the battery harnesses 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.**

### BATTERY DISPOSAL AND RECYCLING

If you encounter a damaged or cracked battery, immediately enclose it in a plastic bag. Contact your local waste disposal agency or your authorised Pride Dealer for instructions on disposal and battery recycling, which is our recommended course of action.

### PREVENTING UNINTENDED MOVEMENT



**WARNING! If you anticipate being seated in a stationary position for an extended period of time, turn off the power. This will prevent unexpected motion from inadvertent throttle control lever contact.**



## II. SAFETY

### MOTOR VEHICLE TRANSPORT

Pride recommends that you do not remain seated in your scooter while traveling 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 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 motor vehicle transport.

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

**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.**

### GETTING ONTO AND OFF OF YOUR SCOOTER

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

- Remove the key from the key switch.
- Ensure that your scooter is not in freewheel mode. See III. “Your Scooter.”
- Make certain that the seat is secured into place.
- Pivot the armrests up to make getting onto and off of the scooter easier.

**WARNING! Position yourself as far back as possible in the scooter seat to prevent the scooter from tipping.**



**WARNING! Avoid putting all 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 floorboard. Such use may cause the scooter to tip.**

### REACHING AND BENDING

Avoid reaching or bending while driving your scooter. When reaching, bending or leaning while seated on your scooter, it is important to maintain a stable centre of gravity and keep the scooter from tipping. Pride recommends that the scooter user determine his/her personal limitations and practice bending and reaching in the presence of a qualified healthcare professional.



**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 and cause your scooter to tip.**



**PROHIBITED! Keep your hands away from the drive tyres when driving. Be aware that loose fitting clothing can become caught in drive tyres.**



## II. SAFETY

### POSITIONING BELTS

Your authorised Pride Dealer, therapist(s) and other healthcare professionals are responsible for determining your requirement for a positioning belt in order to operate your scooter safely.



**WARNING! If you require a positioning belt to safely operate your scooter, make sure it is fastened securely.**

### PRESCRIPTION DRUGS/PHYSICAL LIMITATIONS

The scooter user must exercise care and common sense when operating his/her 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 drive safely.**



**WARNING! Pride strongly recommends that you do not smoke cigarettes while seated in your scooter, although the scooter has passed the necessary testing requirements for 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.

### ELECTROMAGNETIC AND RADIO FREQUENCY INTERFERENCE (EMI/RFI)



**WARNING! Laboratory tests have shown that electromagnetic and radio frequency waves can have an adverse affect 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.

## II. SAFETY



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



**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 authorised by Pride.

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

*NOTE: For further information on EMI/RFI, visit the Resource Center on [www.pridemobility.com](http://www.pridemobility.com). If unintended motion or brake release occurs, turn your scooter off as soon as it is safe to do so. Contact your authorised Pride Dealer to report the incident.*

# III. YOUR SCOOTER

## CONTROL CONSOLE ASSEMBLY

The control console assembly, located on the front section, houses all of the controls you need to operate your scooter, including the speed adjustment dial, throttle control lever, battery condition meter, horn button and key switch. See figure 5.



**PROHIBITED! Do not expose the control console assembly to moisture. In the event that the control console assembly does become exposed to moisture, do not attempt to operate your scooter until the control console assembly has dried thoroughly.**

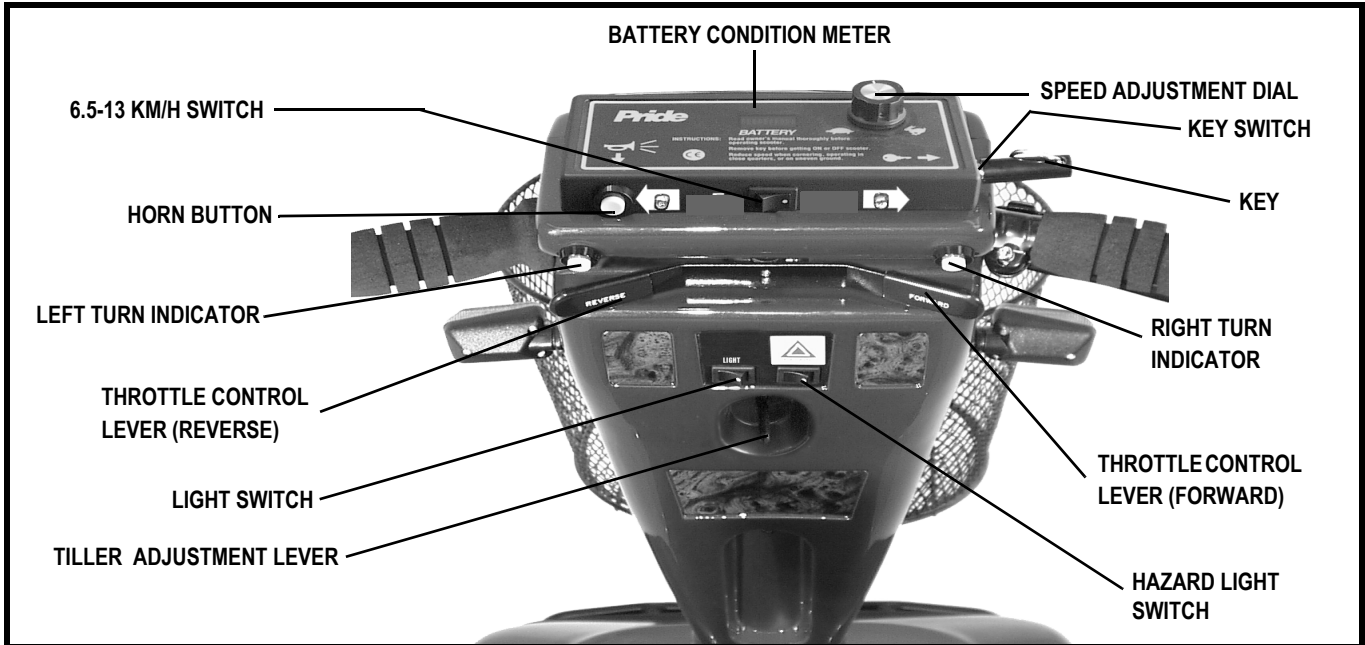


Figure 5. Control Console Assembly

### Key Switch

- Fully insert the key into the key switch to power up your scooter.
- Pull the key out to power down your scooter.



**WARNING! If the key is removed from the key switch while your scooter is in motion, the electronic brakes will engage and your scooter will come to an abrupt stop!**

### Tiller Adjustment Lever

This lever allows you to adjust the tiller between four different positions. For tiller adjustment instructions, see VI. “Comfort Adjustments.”

### Horn Button

This button activates a warning horn. Your scooter must be powered up for the horn to be operational. Do not hesitate to use the warning horn when doing so may prevent accident or injury.

### Hazard Light Switch

This switch enables you to control your scooter’s front and rear (amber) hazard lights. Toggle this switch to turn the hazard lights on and off.

# III. YOUR SCOOTER

## Battery Condition Meter

When the key is fully inserted into the key switch, this meter indicates the approximate battery voltage strength. For further information on battery charging, see IV. “Batteries and Charging.”

## 6.5-13 KM/H Switch

This switch limits the top speed of your scooter to either 6.5 km/h (4 mph) or 13 km/h (8 mph). Toggle this switch to either 6.5 or 13 km/h.

*NOTE: When driving indoors, it is recommended you set the switch to 6.5 km/h (4 mph).*

## Light Switch

This switch turns your scooter’s headlight on and off.

- Toggle this switch to the right to turn the light on.
- Toggle this switch to the left to turn the light off.

## Throttle Control Lever

This lever allows you to control the forward speed and the reverse speed of your scooter up to the maximum speed you preset with the speed adjustment dial.

- Place your right hand on the right handgrip and your left hand on the left handgrip.
- Use your right thumb to push the right side of the lever to disengage the scooter brakes and move forward.
- Release the lever and allow your scooter to come to a complete stop before pushing the left side of the lever to move in reverse.
- When the throttle control lever is completely released, it automatically returns to the centre “stop” position and engages the scooter brake.

## Handbrake Lever (Not Shown)

Your scooter is equipped with a handbrake lever, located on the tiller handle. This lever provides you with additional stopping power. Release the throttle control lever and gently squeeze the handbrake lever to come to a stop.

*NOTE: If you do not release the throttle before using the handbrake, your scooter may not come to a complete stop.*

*NOTE: The handbrake lever may require periodic adjustment to maintain proper operation. Contact your authorised Pride Dealer for more information.*

## REAR SECTION

The electronic controller module, batteries, main circuit breaker, power charger lead, freewheel levers and the motor assemblies are located on the rear section of your scooter. See **figures 6 and 6A**.

## Batteries

The batteries store the electrical energy that powers your scooter. See IV. “Batteries and Charging” for information on how to charge your scooter’s batteries.

# III. YOUR SCOOTER

## Left and Right Turn Indicator Buttons

Use these buttons to turn on the left and right turn indicator (amber) lights. Press the appropriate turn indicator button once to turn on the indicator light before turning your scooter. Your scooter's turn indicators are timed to shut off automatically.

## Electronic Controller Module (Not Shown)

This module is located on the scooter's rear section, under the utility tray cover. The controller assembly receives electrical signals from the console controls and sends power to the motor, the brakes and the lighting system.

**NOTE:** Only authorised Pride service personnel should ever remove the utility tray cover.



**PROHIBITED!** Do not expose the electronic controller module to moisture. If it does become exposed to moisture, do not attempt to operate your scooter until it has dried thoroughly.

## Main Circuit Breaker (Reset Button)

When the voltage in your scooter's batteries becomes low or your scooter is heavily strained because of excessive loads, the main circuit breaker may trip to protect your scooter's motor and electronics from damage. See figure 6.

- The main circuit breaker is mounted between the two batteries.
- When the breaker trips, the entire electrical system of your scooter is shut down.
- The main circuit breaker is designed to manually reset after one minute.
- If the breaker trips frequently, you may need to charge your batteries more often or have your Pride Dealer perform a load test on your scooter's batteries.
- If the main circuit breaker trips repeatedly, see your authorised Pride Dealer for service.

## Battery Charger

The scooter comes with its own off-board battery charger. When the charger is plugged into an electrical outlet, it charges the scooter's batteries. See IV. "Batteries and Charging."



Figure 6. Rear Section

# III. YOUR SCOOTER

## Manual Freewheel Levers

Whenever you want to push your scooter for short distances, you can put it in manual freewheel mode. The manual freewheel levers are located on the end of the motors at the rear of the scooter. See **figure 6A**.

1. Remove the key from the key switch.
2. Push down on both manual freewheel levers to disable the drive and the brake systems. This will enable you to push the scooter.
3. Pull up on both manual freewheel levers to reengage the drive and the brake systems and take your scooter out of freewheel mode.

**WARNING! When your scooter is in freewheel mode, the braking system is disengaged.**

- **Disengage the drive motors only on a level surface.**
- **Ensure the key is removed from the key switch.**
- **Stand to the side of the scooter to engage or disengage freewheel mode. Never sit on a scooter to do this.**
- **After you have finished pushing your scooter, always return it to drive mode to lock the brakes.**



## Charger Power Lead

The charger power lead connects to the off-board charger port. When plugged into an electrical outlet, it will charge the scooter's batteries.

## Motor Assembly

The motor assembly is an electromechanical unit that converts electrical energy from your scooter's batteries into the controlled mechanical energy that drives the scooter's wheels.

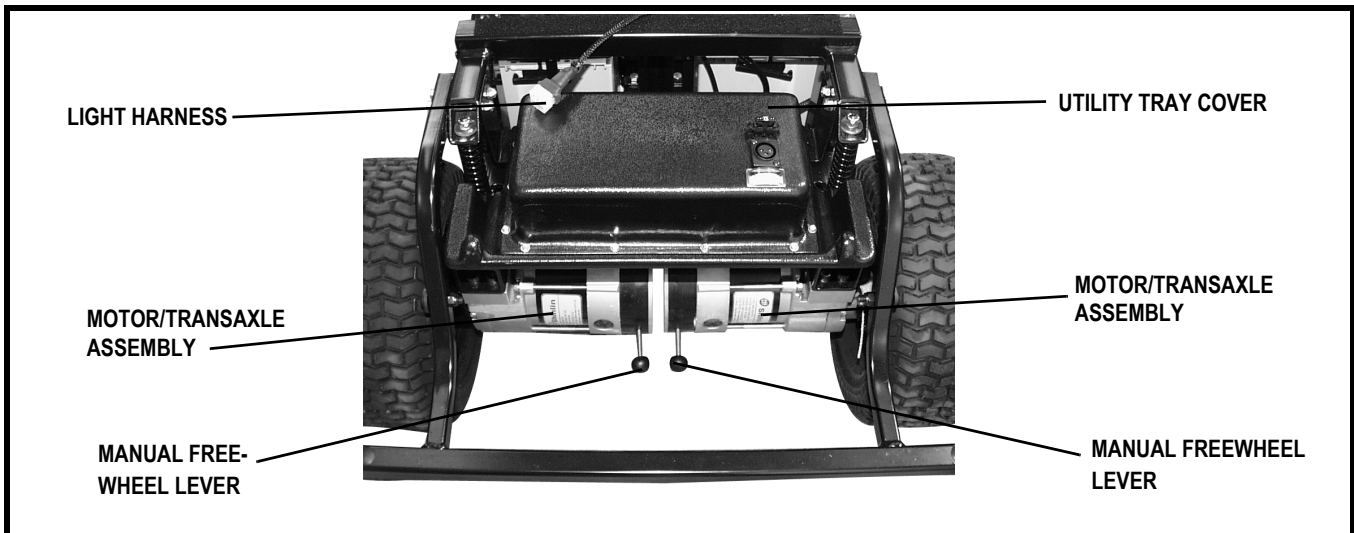


Figure 6A. Rear Section

# IV. BATTERIES AND CHARGING

## BATTERIES AND CHARGING

Your scooter requires two long-lasting, 12-volt, deep-cycle batteries that are sealed and maintenance free. Recharge the batteries with the convenient off-board battery charger.

- Charge your scooter's batteries prior to using for the first time.
- Keep your batteries fully charged to keep your scooter running smoothly.

**NOTE:** Use only the off-board battery charger supplied with your scooter.

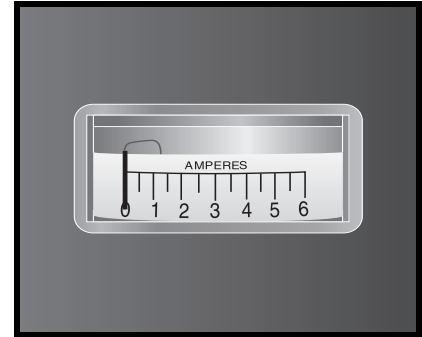


Figure 7. Ammeter

## READING YOUR BATTERY VOLTAGE

The battery condition meter on the control console assembly indicates the approximate strength of your batteries. (The meter reads 24 volts when your batteries are fully charged.) To check the charge, you must first unplug the off-board battery charger and insert the key into the key switch. To ensure the highest accuracy, the battery condition meter should be checked while operating your scooter at full speed on a level surface.

You can also use the ammeter to check your batteries' charge. The ammeter is located on the utility tray under the rear shroud. See figure 7. The ammeter reading should be at or near zero (0) when the batteries are fully charged. The battery charger must be plugged into a standard electrical outlet to obtain an ammeter reading.

## CHARGING YOUR BATTERIES



**PROHIBITED!** 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.



**PROHIBITED!** Never use an extension lead to plug in your battery charger. Plug the charger directly into a properly wired standard electrical outlet.



**PROHIBITED!** Do not allow unsupervised children to play near the scooter while the batteries are charging. Pride recommends that you do not charge the batteries while the scooter is occupied.



**MANDATORY!** Read the battery charging instructions in this manual and in the manual supplied with the battery charger before charging the batteries.



**WARNING!** Explosive gases may be generated while charging the batteries. Keep the scooter and battery charger away from sources of ignition such as flames or sparks and provide adequate ventilation when charging the batteries.

**WARNING!** Inspect the battery charger, wiring and connectors for damage before each use. Contact your authorised Pride Dealer if damage is found.



**WARNING!** Do not attempt to open the battery charger case. If the battery charger does not appear to be working correctly, contact your authorised Pride Dealer.

**WARNING!** If the battery charger is equipped with cooling slots, then do not attempt to insert objects through these slots.



## IV. BATTERIES AND CHARGING



**WARNING! If your battery charger has not been tested and approved for outdoor use, then do not expose it to adverse or extreme weather conditions. If the battery charger is exposed to adverse or extreme weather conditions, then it must be allowed to adjust to the difference in environmental conditions before use indoors. Refer to the manual supplied with the battery charger for more information.**

**Follow these steps to safely charge your batteries:**

1. Position your scooter close to a standard electrical outlet.
2. Remove the key from the key switch.
3. Ensure both freewheel levers are in the drive position.
4. Extend the charger power lead and plug it into the electrical outlet. We recommend you charge your scooter's batteries for 8 to 14 hours.
5. When the batteries are fully charged (indicated by the ammeter reading 0), unplug the off-board charger power lead from the electrical outlet.

There are two LED indicators (red and green) on the front of the battery charger.

- When lit, the red LED indicates that the batteries are being charged.
- When lit, the green LED indicates that the batteries are fully charged.
- When the green and red LEDs are simultaneously lit, it indicates charging is nearly complete.

***NOTE: There is a charger inhibit on your scooter. Your scooter does not run and the battery condition meter does not operate while the batteries are charging.***

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

#### **How does the charger work?**

When your scooter's battery voltage is low, the charger works harder and sends more electrical current to the batteries to bring up their charge. As the voltage of the batteries approaches a full charge, the charger sends less electrical current to the batteries. When the batteries are fully charged, the current sent to them from the charger is at nearly zero amperage. Therefore, when the charger is plugged in, it maintains the charge on your scooter's batteries but does not overcharge them. Even though the charging maintenance feature is built into your scooter's off-board charger, we do not recommend that you charge your scooter's batteries for more than 24 consecutive hours.

#### **Can I use a different charger?**

For the safest, most efficient and balanced charging of your scooter's batteries, you should simultaneously charge both batteries using only the manufacturer-supplied off-board battery charger.

#### **How often must I charge the batteries?**

Two major factors must be considered when deciding how often to charge your scooter's batteries:

- All day scooter use on a daily basis.
- Infrequent or sporadic scooter use.



## IV. BATTERIES AND CHARGING

With these considerations in mind, you can determine just how often and for how long you should charge your scooter's batteries. We designed the off-board charger so that it does not overcharge your scooter's batteries; however, you may encounter some problems if you do not charge your batteries often enough and if you do not charge them on a regular basis. Following the guidelines below will provide safe and reliable battery operation and charging:

- If you use your scooter daily, charge its batteries as soon as you finish using it for the day. Your scooter will be ready each morning to give you a "full day" of service. We recommend you charge your scooter's batteries for 8 to 14 hours after daily use.
- If you use your scooter once a week or less, charge its batteries at least once a week for 12 to 14 hours at a time.
- Keep your scooter's batteries fully charged.
- Avoid deeply discharging your scooter's batteries.
- Do not charge your scooter's batteries for more than 24 consecutive hours.

### What if my scooter doesn't arrive with batteries?

If your scooter does not come with batteries already installed from Pride, you have chosen to purchase the batteries separately. Carefully follow the instructions below for proper wire placement and battery installation.



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

**WARNING! Contact your authorised Pride Dealer if you have any questions regarding the batteries in your scooter.**



**WARNING! Do not replace the batteries while the scooter is occupied.**

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

**WARNING! The batteries on your scooter should only be serviced or replaced by an authorised Pride Dealer or a qualified technician.**

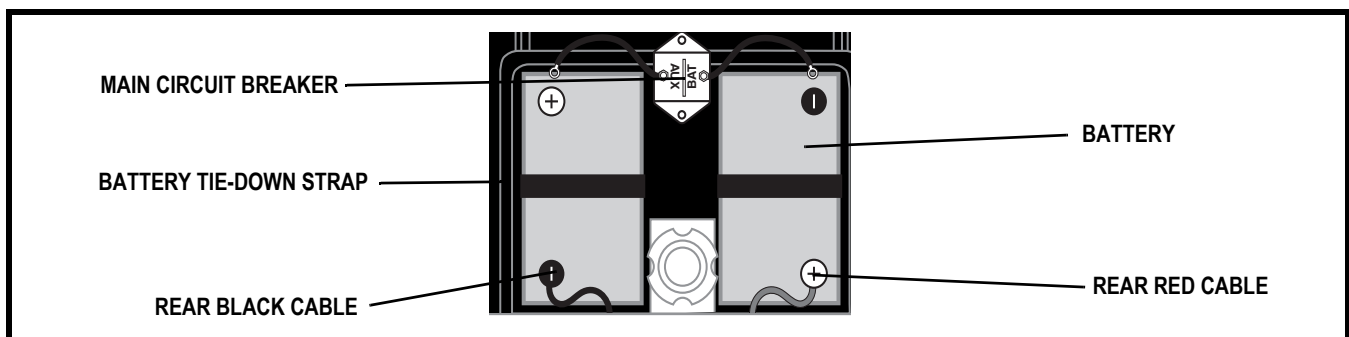


Figure 8. Placing and Removing Batteries

## IV. BATTERIES AND CHARGING

### To install the batteries in your scooter:

1. Remove the seat and rear shroud from the scooter.
2. Place the batteries into the battery wells with the terminals facing away from the seat post. Be sure that the positive (+) terminal of the left side battery and the negative (-) terminal of the right side battery are facing forward. **See figure 8.**
3. Connect the main circuit breaker to the front battery terminals.
4. Connect the rear black cable to the negative (-) battery terminal.
5. Connect the rear red cable to the positive (+) battery terminal.
6. Fasten the battery tie-down straps.
7. Reinstall the rear shroud and seat.

### To remove the batteries:

1. Remove the seat and rear shroud.
2. Disconnect all the cables from the battery terminals.
3. Unfasten the battery tie-down straps.
4. Remove the batteries.

### How can I get maximum range or distance per charge?

Rarely will you have ideal driving conditions - smooth, flat, hard driving surfaces with no wind or curves. You will often face hills, pavement cracks, uneven and loosely packed surfaces, curves and wind. All of these driving conditions affect the distance or running time per battery charge. Below are a few suggestions for obtaining the maximum range per battery charge.

- Always fully charge your scooter's batteries prior to your daily use.
- Maintain but do not exceed the psi/bar/kPa air pressure rating indicated on each tyre.
- Plan your route ahead to avoid as many hills, cracked, broken or soft surfaces as possible.
- Limit your baggage weight to essential items.
- Try to maintain an even speed while your scooter is in motion.
- Avoid stop-and-go driving.

### What type and size of battery should I use?

We recommend deep-cycle batteries that are sealed and maintenance free. Both AGM and Gel-Cell are deep-cycle batteries that are similar in performance in your scooter. Do not use wet-cell batteries, which have removable caps.



**WARNING! Corrosive chemicals are contained in batteries. Use only AGM or Gel-Cell batteries to reduce the risk of leakage or explosive conditions.**

**NOTE:** Sealed batteries are not serviceable. Do not remove the caps.

## IV. BATTERIES AND CHARGING

### **Why do my new batteries seem weak?**

Deep-cycle batteries employ a different chemical technology than that used in car batteries, nickel-cadmium batteries (nicads) or in other common battery types. Deep-cycle batteries are specifically designed to provide power, drain down their charge and then accept a relatively quick recharge.

We work closely with our battery manufacturer to provide batteries that best suit your scooter's specific electrical demands. Fresh batteries arrive daily at Pride and are shipped fully charged to our customers. During shipping, the batteries may encounter temperature extremes that may influence their initial performance. Heat diminishes the charge on the battery; cold slows the available power and extends the time needed to recharge the battery.

It may take a few days for the temperature of your scooter's batteries to stabilise and adjust to their new room or ambient temperature. More importantly, it takes a few charging cycles (a partial drain followed by a full recharge) to establish the critical chemical balance that is essential to a deep-cycle battery's peak performance and long life.

Please follow these steps to properly break in your scooter's new batteries for maximum efficiency and service life:

1. Fully recharge any new battery prior to its initial use. This initial charging cycle brings the batteries up to about 88% of their peak performance level.
2. Operate your new scooter in familiar and safe areas. Drive slowly at first, and do not travel too far from your home or familiar surroundings until you have become accustomed to your scooter's controls and have properly broken in your scooter's batteries.
3. Fully recharge the batteries. This recharge should bring the batteries up to about 90% of their peak performance level.
4. Operate your scooter again.
5. Fully recharge the batteries again.
6. After four or five charging cycles, the batteries are able to receive a charge of 100% of their peak performance level and are able to last for an extended period of time.

### **How can I ensure maximum battery life?**

Fully charged deep-cycle batteries provide reliable performance and extended battery service life. Keep your scooter's batteries fully charged whenever possible. Batteries that are deeply discharged, infrequently charged or stored without a full charge may be permanently damaged and cause unreliable performance and limited service life.

For prolonged storage, you may wish to place several boards under the frame of your scooter to raise it off the ground and take the weight off the tyres. This reduces the possibility of flat spots developing on the areas of the tyres contacting the ground.

### **What about public transportation?**

If you intend to use public transportation while using your scooter, you must contact the transportation dealer in advance to determine their specific requirements.

# V. OPERATION

## BEFORE GETTING ONTO YOUR SCOOTER

- Have you fully charged the batteries? See IV. “Batteries and Charging.”
- Are the manual freewheel levers in the drive position? See III. “Your Scooter.” Never leave the freewheel levers pushed down unless you are manually pushing your scooter.

## GETTING ONTO YOUR SCOOTER

1. Make certain that the key is removed from the key switch.



**WARNING! Never attempt to get onto or off of your scooter without first removing the key from the key switch. This will prevent the scooter from moving if accidental throttle control lever contact is made.**

2. Stand at the side of your scooter.
3. Push down on the seat rotation lever to disengage the seat and rotate the seat until it faces you; release the seat rotation lever to secure the seat in place.
4. Position yourself comfortably and securely in the seat.
5. Push down on the seat rotation lever and rotate the seat until you face forward; release the seat rotation lever to secure the seat in place.
6. Make certain that your feet are safely on the floorboard.

## PRE-RIDE ADJUSTMENTS AND CHECKS

- Are you positioned comfortably in the seat?
- Is the seat at the proper height? See VI. “Comfort Adjustments.”
- Is the seat fixed securely in place? See VI. “Comfort Adjustments.”
- Is the tiller at a comfortable setting and locked securely in place? See VI. “Comfort Adjustments.”
- Is the key fully inserted into the key switch? See III. “Your Scooter.”
- Does your scooter’s horn work properly?
- Is your proposed path clear of people, pets and obstacles?
- Have you planned your route to avoid adverse terrain and as many inclines as possible?

## OPERATING YOUR SCOOTER



**WARNING! The following can adversely affect steering and stability while operating your scooter, resulting in loss of control, tipping and/or personal injury:**

- **Holding onto or attaching a leash to walk your pet**
  - **Carrying passengers (including pets)**
  - **Hanging any article from the tiller**
  - **Towing or being pushed by another motorised vehicle**
- 
- Set the 6.5-13 km/h switch to your desired maximum speed of 6.5 or 13 km/h (4 or 8 mph); then set the speed adjustment dial to your desired speed. We recommend you initially set the 6.5-13 km/h switch to 6.5 km/h (4 mph) and the speed adjustment dial to the tortoise (slowest speed setting).
  - Insert the key into the key switch.
  - With your hands on the handgrips, use your thumb to gently push the right side of the throttle control lever to disengage the brakes and move forward; the electronic brake automatically disengages and the scooter accelerates smoothly to the speed you set with the speed adjustment dial.
  - Pull on the left handgrip to steer your scooter to the left, or pull on the right handgrip to steer your scooter to the right.

# V. OPERATION

- Move the tiller to the centre position to drive straight ahead.
- Gently release the throttle control lever to decelerate and come to a complete stop. The electronic brake automatically engages when your scooter comes to a stop.
- To move in reverse, use your thumb to gently push the left side of the throttle control lever to disengage your scooter's brakes and move rearward.

**NOTE:** *Your scooter's reverse speed is slower than the speed you set with the speed adjustment dial and the 6.5-13 km/h (4-8 mph) switch.*

## GETTING OFF OF YOUR SCOOTER

1. Bring your scooter to a complete stop.
2. Remove the key from the key switch.
3. Push down on the seat rotation lever to disengage the seat and rotate the seat until you are facing toward the side of your scooter; release the seat rotation lever to secure the seat in place.
4. Carefully and safely get out of the seat and stand to the side of your scooter.
5. You can leave the seat facing to the side to facilitate boarding your scooter next time.

## POWER DOWN TIMER FEATURE

Your scooter is equipped with an energy saving power down timer feature that is designed to preserve your scooter's battery life. If you mistakenly leave the key in your scooter but do not use the scooter for approximately 20 minutes, the scooter automatically shuts down.

If your scooter power down timer feature takes effect, perform the following steps to resume normal operation:

- Remove the key from the key switch.
- Reinsert the key to power up your scooter.

# VI. COMFORT ADJUSTMENTS

## TILLER ANGLE ADJUSTMENT



**WARNING!** Remove the key from the key switch before adjusting the tiller or the seat. Never attempt to adjust the tiller or the seat while the scooter is in motion.

You can adjust the tiller angle to four different positions.

1. Pull up on the tiller adjustment lever. See figure 9.
2. Move the tiller to a comfortable position.
3. Release the tiller adjustment lever. The tiller will remain in that position.

**NOTE:** In order to lower the tiller to its lowest position, you must first remove the seat and both batteries.

## SEAT HEIGHT ADJUSTMENT

Your scooter's seat can be repositioned to one of three different heights.

1. Remove the seat from your scooter. See figure 10.
2. Use the attached ring to pull and remove the ball detent pin from the lower seat post. See figure 11.
3. Raise or lower the upper seat post to the desired seat height.
4. While holding the upper seat post at that height, match up the holes in the upper seat post and the lower seat post.
5. Fully insert the ball detent pin.
6. Replace the seat.



Figure 9. Tiller Adjustment Lever



Figure 10. Seat Removal

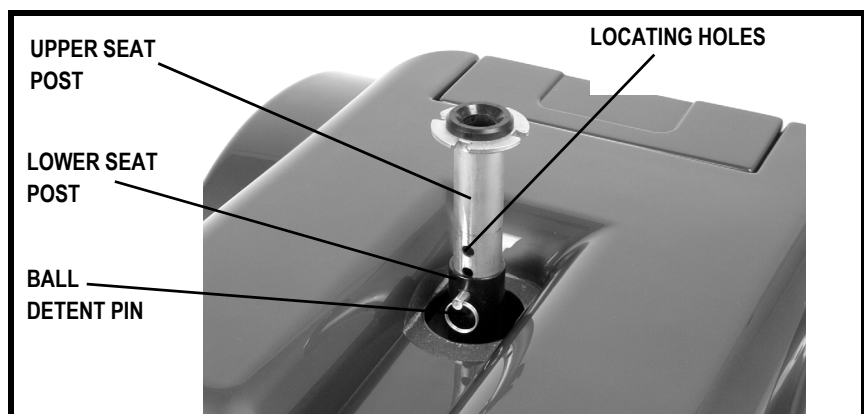


Figure 11. Seat Height Adjustment

## VI. COMFORT ADJUSTMENTS

### HIGH-BACK SEAT HEADREST ADJUSTMENT

If your scooter is equipped with a high-back seat, the headrest height can be adjusted to several positions.

1. Pulling up on the headrest will raise its position. See **figure 12**.
2. Pushing down on the headrest will lower its position.
3. Pulling the headrest forward or pushing it rearward will adjust it to several positions.

### LUMBAR SUPPORT ADJUSTMENT DIAL

The lumbar support is inside the lower part of the seatback. Turn the lumbar support adjustment dial anticlockwise to move the support into a comfortable position. See **figure 12**.

### FRONT-TO-BACK SEAT ADJUSTMENT

You can reposition the scooter's seat forward or rearward to adjust the distance between the seat and the tiller. See **figure 13**.

1. Pull up on the seat sliding lever.
2. While holding the lever up, slide the seat forward or rearward.
3. Release the seat sliding lever once the seat is in the desired position.

### SEAT ROTATION ADJUSTMENT

The seat rotation lever secures the seat in one of four positions. See **figure 13**.

1. Push down on the seat rotation lever to disengage the seat.
2. Rotate the seat to the desired position.
3. Release the seat rotation lever to secure the seat in place.



Figure 12. Seatback and Headrest Adjustments

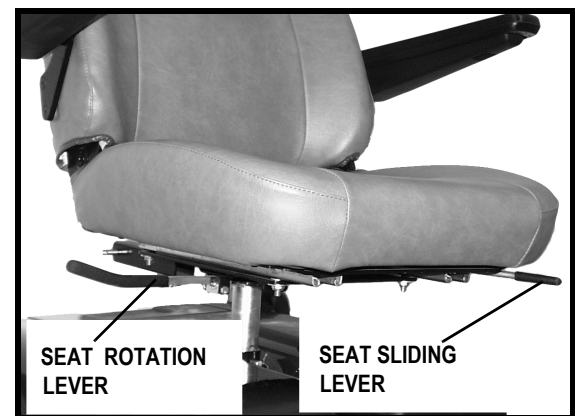


Figure 13. Sliding Seat Adjustment

# VI. COMFORT ADJUSTMENTS

## ARMREST ANGLE ADJUSTMENT

The armrests of your scooter can be adjusted upward or downward by turning the adjustment dial. See **figure 14**.

The armrests also pivot upward to make getting on and off of your scooter easier.

**NOTE:** *If your scooter is not equipped with a reclining high-back seat, as shown in figure 12, you will be able to adjust the height and width of the armrest by following the directions below.*



**Figure 14. Armrest Angle Adjustment**

## ARMREST HEIGHT ADJUSTMENT

You will need the following tools to adjust the height of the armrests:

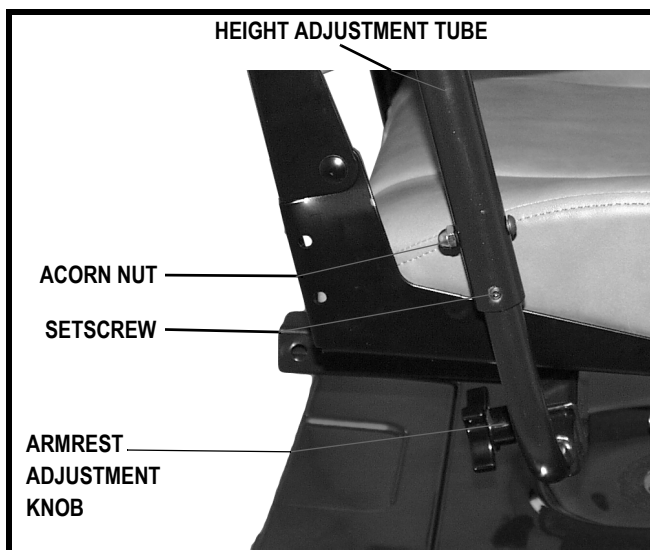
- 5/32" Hex Key
- 1/8" Hex Key
- 7/16" Spanner

1. Loosen the setscrew on the side of the height adjustment tube with the 1/8" hex key.
2. Loosen and remove the acorn nut and screw holding the height adjustment tube in place.
3. Raise or lower the height adjustment tube to the desired height.
4. Align the holes in the adjustment tube with the holes in the armrest upright.
5. Insert the screw through the holes in both the height adjustment tube and the armrest upright.
6. Install and tighten the acorn nut.
7. Tighten the setscrew on the side of the height adjustment tube.
8. Repeat for the other armrest.

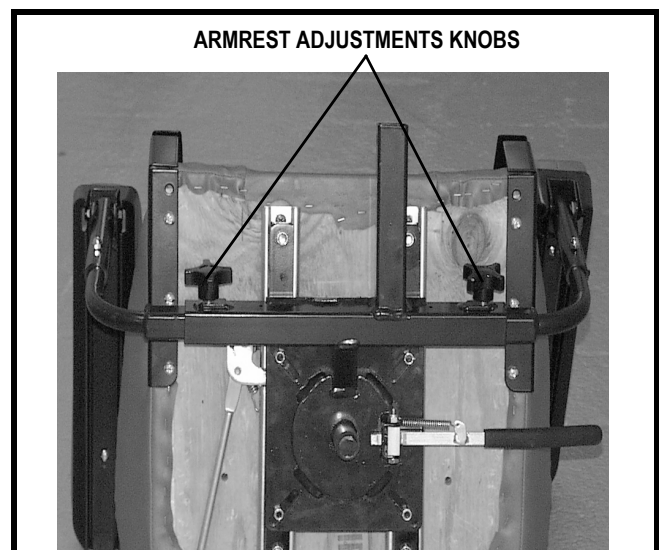
## ARMREST WIDTH ADJUSTMENT

The armrest width of your scooter can be adjusted inward or outward.

1. Loosen the armrest adjustment knobs at the back of the seat frame. See **figures 15 and 16**.
2. Slide the armrests in or out to the desired width.
3. Tighten the armrest adjustment knobs.



**Figure 15. Armrest Height Adjustment**



**Figure 16. Armrest Adjustments**



# VII. DISASSEMBLY AND ASSEMBLY

## DISASSEMBLY

You can disassemble the scooter into six components. See **figure 17**. No tools are required to disassemble or assemble your scooter, but keep in mind that the disassembled sections of the scooter take up more floor space than the assembled unit. Always disassemble or assemble your scooter on a level, dry surface with sufficient room for you to work and move around your scooter—about 1.5 metres (5 feet) in all directions. Remember that some scooter components are heavy and you may need assistance when lifting them.

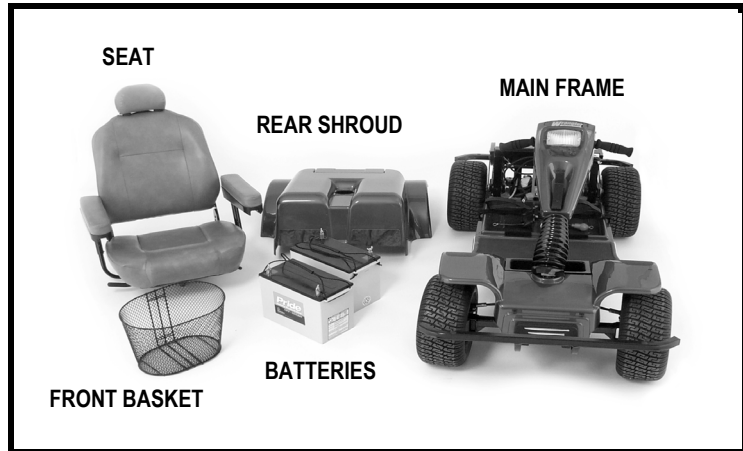


Figure 17. Wrangler Components



**WARNING! Do not lift beyond your physical capability. Ask for assistance when necessary while disassembling and assembling your scooter.**

### Seat

To remove the scooter's seat, see VI. "Comfort Adjustments."

### Rear Shroud

To remove the rear shroud:

1. Remove the seat from your scooter. See **figure 10**.
2. Lift the shroud up and over the seat post.

### Batteries

To remove the batteries from you scooter, see IV. "Batteries and Charging."

## VIII. BASIC TROUBLESHOOTING

Any electromechanical device occasionally requires some troubleshooting. However, most of the problems that may arise can usually be solved with a bit of thought and common sense. Many of these problems occur because the batteries are not fully charged or because the batteries are worn down and can no longer hold a charge.

### **What if all of my scooter systems appear to be “dead?”**

- Ensure the key is fully inserted in the key switch.
- Ensure the batteries are fully charged.
- Push in the main circuit breaker reset button.
- Ensure the 9-pin connector is firmly attached.
- Ensure both battery harnesses are firmly connected to the electronic controller and to the battery terminals.

### **What if my scooter’s battery condition meter shows a full charge, but my scooter does not move when I push the throttle control lever?**

Ensure your scooter was not left in freewheel mode. (Pull up on the freewheel lever to restore normal operation.)

***NOTE:** When the freewheel lever is pushed down, your scooter’s brakes are disengaged and all power to the transaxle is cut.*

### **What if my scooter’s main circuit breaker trips repeatedly?**

- Charge your scooter’s batteries more frequently.
- Have both of your scooter’s batteries load tested by your authorised Pride Dealer.
- Obtain a battery load tester at most automotive parts stores; follow the directions supplied with the load tester.

### **What if my scooter’s battery condition meter dips way down and the motor surges or hesitates when I press the throttle control lever?**

- Fully charge your scooter’s batteries.
- Have your authorised Pride Dealer load test each battery.
- Obtain a battery load tester at most automotive parts stores; follow the directions supplied with the load tester.

If you experience any problems with your scooter that you are unable to resolve, immediately contact your authorised Pride Dealer for information, maintenance and service.

# IX. CARE AND MAINTENANCE

Your scooter requires a minimal amount of care and maintenance. If you do not feel confident in your ability to perform the maintenance listed below, you may schedule inspection and maintenance at your authorised Pride Dealer. The following areas require periodic inspection and/or care and maintenance.

## TYRE PRESSURE

- If equipped with pneumatic tyres, always maintain the psi/bar/kPa air pressure rating indicated on each tyre for pneumatic tyres.



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

- Regularly inspect your scooter's tyres for signs of wear.

## WHEEL REPLACEMENT

If your scooter is equipped with pneumatic tyres and you have a flat tyre, you can have the tube replaced. If your scooter is equipped with a solid tyre insert, either the solid insert or the entire wheel must be replaced depending on the model. Contact your authorised Pride Dealer for information regarding replacement wheels for your scooter.

**WARNING! Wheels on your scooter should only be serviced/replaced by an authorised Pride Dealer or qualified technician.**



**WARNING! Completely deflate pneumatic tyres before dismantling the rim or attempting repair.**

**WARNING! When changing a tyre, remove only the centre lug nut, then remove the wheel. If any further disassembly is required, deflate the tyre completely or it may explode.**

## EXTERIOR SURFACES

Bumpers, tyres, trim and the tiller boot can benefit from an occasional application of rubber or vinyl conditioner.



**WARNING! Do not use a rubber or vinyl conditioner on the scooter's vinyl seat, floorboard or tyre tread, as this may cause them to become dangerously slippery.**

## BATTERY TERMINAL CONNECTIONS

- Make certain that the terminal connections remain tight and uncorroded.
- The batteries must sit flat in the battery wells.
- The battery terminals should face the rear of the scooter.

## ABS PLASTIC SHROUDS

- The front tiller shroud, front shroud and the rear shroud are formed from durable ABS plastic and are coated with an advanced formula urethane paint.
- A light application of car wax will help the shrouds retain their high gloss.

## AXLE BEARINGS AND THE MOTOR/TRANSAXLE ASSEMBLY

These items are all prelubricated, sealed and require no subsequent lubrication.

# IX. CARE AND MAINTENANCE

## WIRING HARNESSSES

- Regularly check all wiring connections.
- Regularly check all wiring insulation, including the charger power lead, for wear or damage.
- Have your authorised Pride Dealer repair or replace any damaged connector, connection or insulation that you find before using your scooter again.



**PROHIBITED!** 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 replace as necessary.

## MOTOR BRUSHES

The motor brushes are housed inside of the motor transaxle/assembly. They should be inspected periodically for wear by your authorised Pride Dealer.

## CONSOLE, CHARGER AND REAR ELECTRONICS

- Keep these areas free of moisture.
- Allow these areas to dry thoroughly if they have been exposed to moisture before operating your scooter again.

## FUSE REPLACEMENT

**In the event a fuse should cease to work:**

1. Remove the fuse by pulling it out of its slot.
2. Examine the fuse to be sure it is blown. See figures 18 and 18A.
3. Insert a new fuse of the same rating.



**WARNING!** The replacement fuse must exactly match the rating of the fuse being replaced. Failure to use properly rated fuses may cause damage to the electrical system.

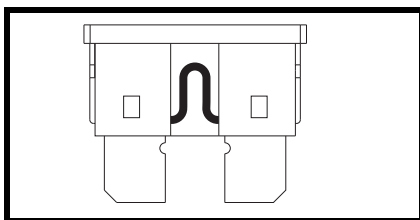


Figure 18. Working Fuse

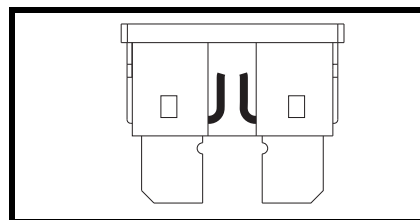


Figure 18A. Blown Fuse (Replace)

## NYLON LOCK NUT REPLACEMENT

Any nylon insert lock nut removed during the periodic maintenance, assembly or disassembly of the scooter must be replaced with a new nut. Nylon insert lock nuts should not be reused as it may cause damage to the nylon insert, resulting in a less secure fit. Replacement nylon insert lock nuts are available at local hardware stores or through your authorised Pride Dealer.

# IX. CARE AND MAINTENANCE

## STORING YOUR SCOOTER

If you plan on not using your scooter for an extended period of time, it is best to:

1. Fully charge its batteries prior to storage.
2. Disconnect the batteries from the scooter.
3. Store your scooter in a warm, dry environment.
4. Avoid storing your scooter where it will be exposed to temperature extremes.



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

Batteries that are regularly and deeply discharged, infrequently charged, stored in extreme temperatures or stored without a full charge may be permanently damaged, causing unreliable performance and limited service life. It is recommended that you charge the scooter batteries periodically throughout periods of prolonged storage to ensure proper performance.

You may wish to place several boards under the frame of your scooter to raise it off of the ground during periods of prolonged storage. This takes the weight off the tyres and reduces the possibility of flat spots developing on the areas of the tyres contacting the ground.

## DISPOSAL OF YOUR SCOOTER

Your scooter must be disposed of according to applicable local and national statutory regulations. Contact your local waste disposal agency or authorised Pride Dealer for information on proper disposal of packaging, metal frame components, plastic components, electronics and batteries.

# X. WARRANTY

## **LIFETIME WARRANTY**

Structural frame components, including: platform, fork, seat post and frame welds.

## **TWO-YEAR LIMITED WARRANTY**

Drivetrain, including: transaxle, motor and brake.

## **ONE-YEAR LIMITED WARRANTY**

All electrical parts, including controllers and battery chargers, are covered for one year under warranty. Any attempt to open or dismantle these parts will lead to this warranty being void.

## **BATTERIES**

Batteries are covered by a twelve-month warranty from the original manufacturer.

## **NOT COVERED UNDER WARRANTY**

The following are classed as wear items, which may, under normal wear and tear, require replacing. These items are not therefore covered under warranty: tyres, lap belts, bulbs, upholstery, plastic shrouds, motor brushes and fuses. Warranty will also be refused if damage is deemed to have been caused through misuse or accident for which Pride Mobility Products Ltd. cannot be deemed responsible.

***NOTE: Pride Mobility Products Ltd. provides parts only under warranty. Your Pride Dealer is responsible for labour and service. Please contact your Pride Dealer for information about these services and for any applicable charges.***

# APPENDIX I - SPECIFICATIONS

Model Numbers	PMV600
Overall Length <sup>2</sup>	See figure 19.
Overall Width <sup>2</sup>	See figure 19.
Tyres	Type: Pneumatic Front; 15 x 33 cm, Rear: 15 x 33 cm (6 x 13 in.)
Wheels	Aluminum alloy wheels in Black
Weight Capacity	181 kg, 28 stone 8 lbs. (400 lbs.)
Battery Type <sup>3</sup> (not included)	Two 12V, 100 Ah
Horsepower	3.0 hp (peak)
Charger	8 amp off-board charger
Speed (Max) <sup>1</sup>	Variable up to 13 km/h (60% reverse)
Maximum Grade	See figure 1.
Range <sup>1</sup>	Up to 35 km (21.75 miles) per charge with 100 Ah batteries
Turning Radius <sup>2</sup>	See figure 19.
Seating	Style: High-back with headrest and sliders Dimensions: 18"W x 16"D User adjustable seat height from ground: 70.49-80.65 cm (27.75 - 31.75 in.) User adjustable seat height from deck: See figure 19.
Brakes	Electronic regenerative braking and electromechanical disc brake
Rear Wheel Drive	2-24 VDC motors
Weight	Total weight with batteries: w/two 12V, 100 Ah batteries: 156.4 kg (345 lbs.) Total weight without batteries: seat and rear shroud: 97.98 kg (216 lbs.) Component Breakdown: Rear Plastic Shroud: 1.59 kg (3.5 lbs.) Seat: 16.78 kg (37 lbs.) Batteries: 29 kg each (63.5 lbs.)
Ground Clearance <sup>2</sup>	See figure 19.

<sup>1</sup> Varies with user weight, terrain type, battery amp-hour (Ah), battery charge, battery condition and tyre condition. This specification can be subject to a variance of (+ or -) 10%.

<sup>2</sup> Due to manufacturing tolerances and continual product improvement, this specification can be subject to a variance of (+ or -) 3 %.

<sup>3</sup> AGM or Gel-Cell type required. See IV. "Batteries and Charging."

**NOTE: This product conforms to all applicable ANSI-RESNA testing requirements and ISO 7176 Series EN12184 standards. All specifications subject to change without notice.**

# APPENDIX I - SPECIFICATIONS

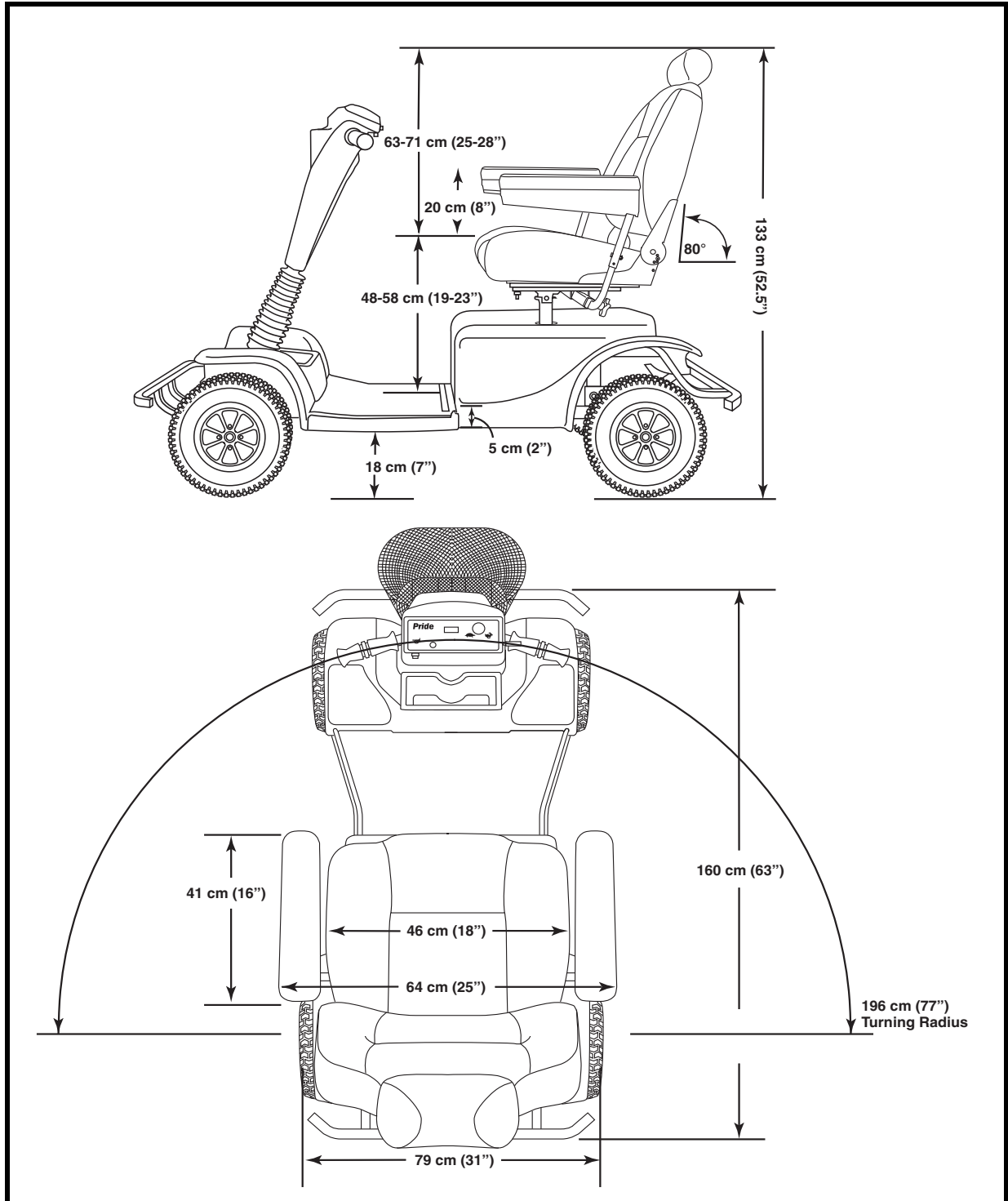


Figure 19. Ranger Dimensions



# NOTES

# NOTES

# NOTES



***Pride***<sup>®</sup>  
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