

Owner's Manual

Please read the content of your owner's manual before operating your scooter.



The Ultimate In Style & Performance®



21 Healey Road Dandenong, 3175 Victoria, Australia

SAFETY GUIDELINES

Please read and follow all instructions in this owner's manual before attempting to operate your scooter for the first time. If there is anything in this manual you do not understand, or if you require additional assistance for setup, contact your local authorised Pride provider.

Using your Pride product safely depends upon your diligence in following the warnings, cautions, and instructions in this owner's manual. Using your Pride product safely also depends upon your own good judgement and/or common sense, as well as that of your provider, caregiver, and/or healthcare professional. Pride is not responsible for injuries and/or damage resulting from any person's failure to follow the warnings, cautions, and instructions in this owner's manual. Pride is not responsible for injuries and/or damage resulting from any person's failure to exercise good judgement and/or common sense.

The symbols below are used throughout this owner's manual to identify warnings and cautions. It is very important for you to read and understand them completely.



WARNING! Failure to heed the warnings in this owner's manual may result in personal injury.



CAUTION! Failure to heed the cautions in this owner's manual may result in damage to your scooter.

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ZOOM 4

I. INTRODUCTION

Welcome to Pride Mobility Products Australia Pty. Ltd. (Pride). Congratulations on the purchase of your new Zoom. The Zoom design combines the most advanced state-of-the-art components with modern, attractive styling. We are certain that the design features and trouble-free operation of your new scooter will add convenience to your daily living.

At Pride, your safety is important to us. Please read and follow all of the instructions in this manual before you attempt to operate your Zoom for the first time. These instructions were produced for your benefit. Your understanding of these instructions is essential for the safe operation of your new Zoom.

Pride is not liable for damage to property or personal injury arising out of the unsafe use of a Zoom. Pride is also not liable for any property damage or personal injury arising out of the failure of any person and or/user to follow the instructions and recommendations set forth in this manual or any other instructions or recommendations contained in other Zoom related literature issued by Pride or contained on the Zoom itself.

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.

If you experience any problems with your Zoom that you are unable to resolve, or if you do not feel capable of safely following any of the instructions and/or recommendations contained in this manual, please contact your authorised Pride provider for assistance.

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

INFORMATION EXCHANGE

We want to hear your questions, comments, and suggestions regarding this owner's manual. We would also like to hear about the safety and reliability of your new Zoom, and about the service you receive from your authorised Pride provider.

Please notify us of any change of address, so we can keep you apprised of important information regarding safety, new products, and new options that can increase your ability to use and enjoy your Zoom. Please feel free to write us at the address below:

Pride Mobility Products Australia Pty. Ltd. 21 Healey Road Dandenong, 3175 Victoria, Australia

I. INTRODUCTION

My Authorised Pride Provider Is:			
Name:			
Address:			
Phone Number:			
Quick Reference Information:			
Quick Reference Information:			

NOTE: If you ever lose or misplace your product registration card or owner's manual, write us and we will be glad to send you a new one immediately.

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 provider 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 maneuver through doorways, on and off elevators, up and down ramps, and over moderate terrain.

MODIFICATIONS

Your scooter has been designed and engineered to provide maximum mobility and utility. A wide range of accessories is available from your authorised Pride 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. Unauthorised modifications may result in personal injury and/or damage to your scooter.

REMOVABLE PARTS



WARNING! Do not attempt to lift or move a scooter by any of its removable parts. Personal injury and damage to the scooter may result.

PRE-RIDE SAFETY CHECK

Get to know the feel of your scooter and its capabilities. It is recommended that you perform a safety check before each use to make sure your scooter operates smoothly and safely. For details on how to perform these necessary inspections, see X. "Care and Maintenance."

Perform the following inspections prior to using your scooter:

- Check for proper tyre inflation. Maintain 30-35 psi in each tyre (if equipped with pneumatic tyres).
- Check all electrical connections. Make sure they are tight and not corroded.
- Check all controller connections to the utility tray. Make sure they are secured properly.
- Check the brakes.
- Check battery charge.

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 30-35 psi tyre pressure be maintained in pneumatic tyres at all times. Failure to maintain 30-35 psi tyre pressure in pneumatic tyres at all times may result in catastrophic tyre and/or wheel failure, causing serious personal injury and/or damage to your scooter.

WARNING! Inflate your scooter drive tyres from a regulated air source with an available pressure gauge. Minimum air pressure for scooter drive tyres is 30-35 psi. Inflating your tyres from an unregulated air source could overinflate them, resulting in a burst tyre and/or personal injury.

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

WEIGHT LIMITATIONS

Your scooter is rated for a maximum weight limit of 136 kg.



WARNING! Exceeding the weight limit voids your warranty and may result in personal injury and damage to your scooter. 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 result in personal injury and/or property damage.

INCLINE INFORMATION

More and more buildings have ramps with specified percents 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. See IV. "Your Zoom."
- Avoid sudden stops and starts.

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 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 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 a potentially hazardous incline (i.e., areas covered with snow, ice, cut grass, or wet leaves).

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

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.



FIGURE 1. MAXIMUM RECOMMENDED ZOOM 4-WHEEL INCLINE ANGLE



WARNING! Any attempt to climb or descend a slope steeper than 8.7% may put your scooter in an unstable position and cause it to tip, resulting in personal injury.

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.



WARNING! Do not exceed the incline guidelines or any other specifications presented in this manual.



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. When using your scooter at higher speeds, do not corner sharply. This greatly reduces the possibility of a tip or fall. To avoid personal injury or property damage, always exercise common sense when cornering.

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, 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.

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. Serious personal injury and/or damage may result.



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

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

WARNING! Do not attempt to negotiate a kerb that has a height greater than 5 cm.

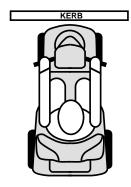


FIGURE 3. CORRECT KERB APPROACH



FIGURE 3A. INCORRECT KERB APPROACH

BRAKING INFORMATION

Your scooter is equipped with two powerful brake systems:

- 1. Regenerative: Uses electricity to rapidly slow the vehicle when the throttle control lever returns to the centre/stop position; and
- 2. 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.

PUBLIC ROADS AND PARKING LOTS



WARNING! You should not operate your scooter on public roads and parking lots. 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.

NOTE: Safety accessories such as fluorescent flags are available to order from your authorised Pride provider.

INCLEMENT WEATHER PRECAUTIONS



WARNING! It is recommended that you do not operate your scooter in icy or slippery conditions or on salted surfaces (i.e., walks or roads). Such use may result in an accident, personal injury, or adversely affect the performance and safety of your scooter.

WARNING! It is recommended that you do not expose your scooter to any type of moisture at any time (rain, snow, mist, or wash). Such exposure can damage your scooter. Never operate your scooter if it has been exposed to moisture until it has dried thoroughly.

FREEWHEEL MODE

Your scooter is equipped with a manual freewheel lever that when pulled up allows the scooter to be pushed. For more information about how to place your scooter into and out of freewheel mode, see IV. "Your Zoom."

WARNING! Do not use your scooter in freewheel mode without an attendant present. Personal injury may result.



WARNING! Do not attempt to personally place your scooter in freewheel mode while seated on it. Personal injury may result. Ask an attendant for assistance if necessary.

WARNING! Do not place your scooter in freewheel mode while on an incline. The scooter could roll uncontrollably on its own, causing personal injury.

STAIRS AND ESCALATORS

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



WARNING! Do not use your scooter to negotiate steps or escalators. You may cause injury to yourself and to others and damage your scooter.

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 rearward to pull the door open.

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.

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. It is recommended that you closely review the instructions, specifications, and safety information set forth by the manufacturer of the lift/elevation product before using that product.

BATTERIES

In addition to following the warnings below, be sure to comply with all other battery handling information. For more information about your scooter's batteries, see V. "Batteries and Charging."

WARNING! 32 AH scooter batteries weigh 11 kg each and 17 AH batteries weigh 6.3 kg each. If you are unable to lift that much weight, be sure to get help. Lifting beyond your capacity can result in personal injury.



WARNING! Battery posts, terminals, and related accessories contain lead and lead compounds. Wash hands after handling.

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

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. Failure to do so may result in personal injury.

MOTOR VEHICLE TRANSPORT

Currently, there are no standards approved for tie-down systems in a moving vehicle of any type to transport a person while seated in a scooter.

Although your scooter may be equipped with a positioning belt, this 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. Personal injury and/or property damage may result.

WARNING! Always be sure your scooter and its batteries are properly secured when it is being transported. Failure to do so may result in personal injury and/or damage to your scooter.

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:

- Power down your scooter. See VI. "Operation."
- Ensure that your scooter is not in freewheel mode. See IV. "Your Zoom."
- Make certain that the seat is locked into place and the key is removed from the key switch.
- The seat armrests can be flipped up to make getting onto and off of your scooter easier.

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



WARNING! Avoid using the armrests for weight bearing purposes. Such use may cause the scooter to tip and cause personal injury.

WARNING! Avoid putting all of your weight on the floorboard. Such use may cause the scooter to tip and cause personal injury.

POSITIONING BELTS

Your authorised provider, 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. Serious personal injury may result if you fall from the scooter.

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. It is recommended 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 floor by reaching down between your knees. Movements such as these may change your centre of gravity and the weight distribution of the scooter and cause your scooter to tip, possibly resulting in personal injury. Keep your hands away from the tyres when driving.

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.

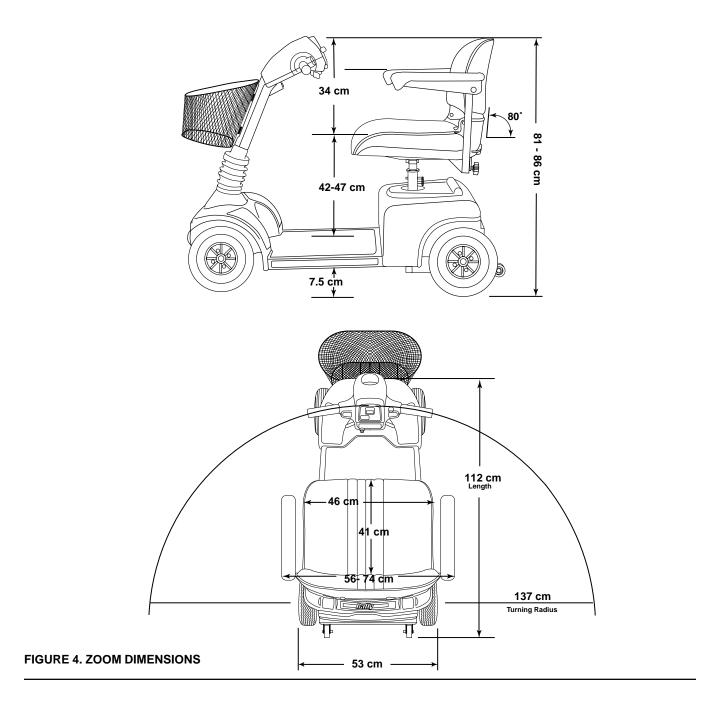
ALCOHOL

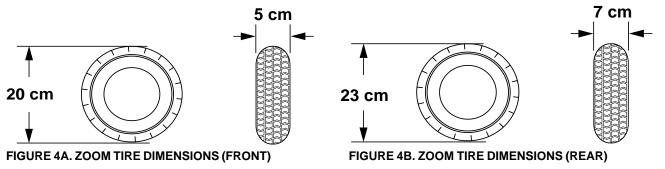
The scooter user must exercise care and common sense when operating his/her scooter. This includes awareness of safety issues while under the influence of alcohol.



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

III. SPECIFICATIONS





III. SPECIFICATIONS

Model Number	SC155AUS	
Available Colours	Candy Apple Red, Viper Blue	
Overall Length	112 cm	
Overall Width	53 cm	
Total Weight Without Batteries	52.5 kg	
Heaviest Piece When Disassembled	Rear section: 20.5 kg	
Turning Radius	137 cm	
Maximum Speed	Up to 6.8 km/h, 60% reverse (may vary with terrain)	
Range Per Charge*	Up to 24 km with 17 AH batteries, up to 32 km with 32 AH batteries	
Ground Clearance	7.5 cm	
Weight Capacity	136 kg maximum	
Standard Seating	Type: Foldable molded plastic	
	Dimensions: width 46 cm x depth 41 cm x height (usable) x 34 cm (usable)	
	Material: Vinyl: Grey	
	Fabric: Grey	
Drive System	Rear-wheel drive, 24V sealed transaxle	
Dual Braking System	Electronic, regenerative, and electromechanical	
Wheels	Aluminum alloy mags	
Tyres (front)	20 cm x 5 cm	
Tyres (rear)	23 cm x 7 cm	
Battery Requirements	Type: 12V deep-cycle (SLA or gell cell)	
	Size: U-1 (32 AH only) or 17 AH	
Battery Charger	Onboard, 3-amp	
Warranty	2-year limited	
Accessories and Options	Single cane/crutch holder, dual cane/crutch holder, cane/crutch holder	
	oxygen tank holder, walker holder, forearm crutch holder, cup holder,	
	dust cover, safety flag, rear basket, taillight, quad cane holder, saddle	
	bag	

^{*}Varies with user weight, terrain type, battery charge, battery condition, and tyre condition.

Your Zoom is a motorized electric scooter designed to enhance your personal mobility. Your Zoom is an indoor/outdoor scooter that was designed to travel primarily on smooth surfaces such as pavement, roads, parking lots, floors, and driveways. For easy transportation or storage, you can disassemble your scooter into seven components. See figure 5.

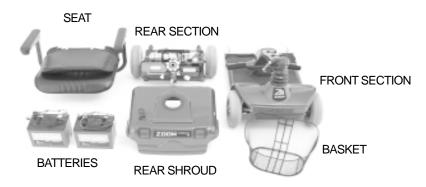


FIGURE 5. SEVEN SCOOTER COMPONENTS

CONTROL CONSOLE ASSEMBLY

The control console assembly houses all of the controls you need to drive your scooter, including the key switch, the speed adjustment dial, the throttle control lever, the battery condition metre, the horn button, and the light switch. See figure 6.



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

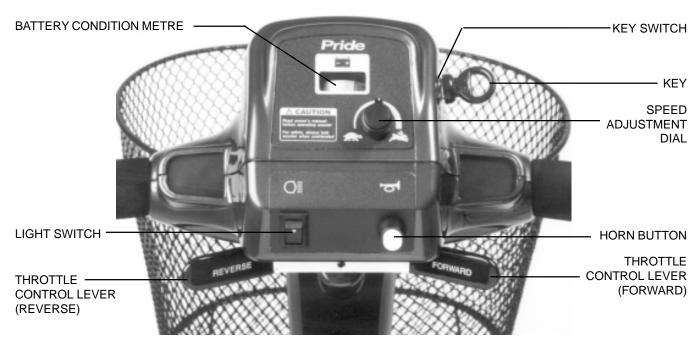


FIGURE 6. CONTROL CONSOLE ASSEMBLY

Key Switch

- Fully insert the key into the key switch to power up (turn on) your scooter.
- Pull the key out to power down (turn off) your scooter.



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

Speed Adjustment Dial

This dial allows you to preselect and limit your scooter's top speed.

- The image of the tortoise represents the slowest speed setting.
- The image of the hare represents the fastest speed setting.

Throttle Control Lever

This lever allows you to control the forward and the reverse speed of your scooter up to the maximum speed preset by 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 your scooter's brake and move forward.
- Release the lever and allow your scooter to come to a complete stop before pushing the other 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 your scooter's brake.

Battery Condition Metre

This metre gives an approximate reading of your scooter's battery voltage when the key is fully inserted into the key switch.

NOTE: To ensure the highest accuracy, the battery condition meter should be checked while operating your scooter at full speed on a dry, level surface.

Horn Button

- The key must be fully inserted into the key switch for the horn to be operational.
- This button activates a warning horn.
- Do not he sitate to use the warning horn when its use could prevent accident or injury.

Light Switch

This switch controls your scooter's headlight system.

- Press this switch once to turn on the lights.
- Press it again to turn off the lights.

REAR SECTION

The onboard battery charger, the charger power lead receptacle, the battery charger fuse, the batteries, the electronic controller assembly, the main circuit breaker, the manual freewheel lever, and the motor/transaxle assembly are located on the rear section of your scooter. See VIII. "Disassembly and Assembly" for instructions on removing the rear shroud. The anti-tip wheels are at the rearmost part of your scooter. See figure 7.

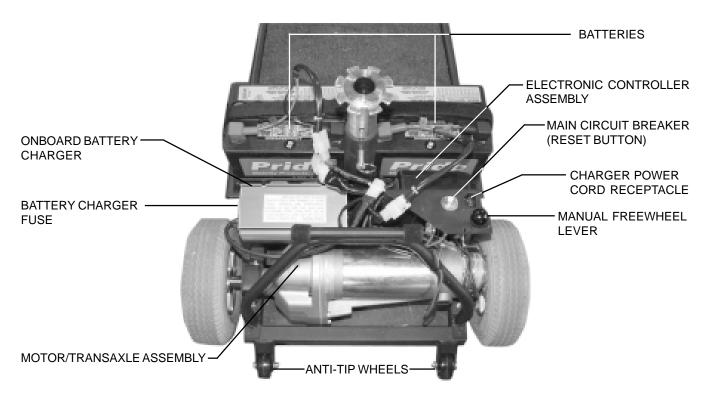


FIGURE 7. REAR SECTION

Onboard Battery Charger

The onboard 3-amp battery charger converts household alternating current (AC) to direct current (DC) and charges the batteries of your scooter. See V. "Batteries and Charging."

- The charger is located behind the batteries and at the forward right corner of the rear section.
- The charger is a box with cooling fins on the exterior of its case.
- The charger power lead plugs into the battery charger by means of a receptacle located on the rear section of your scooter, near the manual freewheel lever and the main circuit breaker reset button. See figure 7.

Battery Charger Fuse

The fuse has been incorporated into your charger to protect it from damage in the event of an electrical problem.

If your charger fuse repeatedly blows, try plugging your scooter's power charger lead into an outlet on a different circuit.

- The fuse is located under a cap on the outside of the battery charger.
- The cap unscrews to allow access to the fuse.
- Unscrew the cap and replace the fuse if it has blown.



CAUTION! The replacement fuse must exactly match the rating of the new fuse. If you install a fuse with an incorrect rating, you may damage the charger. Contact your authorised Pride provider for fuse rating information.

Batteries

The batteries store the electrical energy that powers your scooter. See V. "Batteries and Charging."

Electronic Controller Assembly

The electronic controller assembly is located behind the batteries and at the forward left corner of the scooter's rear section. This assembly receives electrical signals from the console controls and sends power to the motor, the brakes, and the optional lighting system.

Main Circuit Breaker

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

- The main circuit breaker is mounted on the rear section of the scooter, near the manual freewheel lever. See figure 7.
- The main circuit breaker reset button pops out when the breaker trips.
- When the breaker trips, the entire electrical system of your scooter is shut down.
- Allow a minute or so for your scooter's electronics to "rest."
- Push in the reset button to reset the breaker.
- If the breaker trips frequently, you may need to charge your batteries more often. You may also need to have your authorised Pride provider perform a load test on your scooter's batteries.
- If the main circuit breaker trips repeatedly, see your authorised Pride provider for service.

Manual Freewheel Lever

Whenever you need or want to push your scooter for short distances, you can put it in freewheel mode.



WARNING! Before placing your scooter into or taking it out of freewheel mode, remove the key from the key switch. Even though the motor of your scooter is disengaged from the drive system when your scooter is put in manual freewheel mode, the motor can still run if the throttle control lever is pushed. Never sit on a scooter when it is in freewheel mode. Never put a scooter in freewheel mode on an incline.

- The manual freewheel lever is located on the end of the motor/transaxle assembly at the left rear of the scooter, and extends through the rear shroud. See figure 7.
- Pull up on the manual freewheel lever to disable the drive system and the brake system. You will then be able to push your scooter.
- Push down on the manual freewheel lever to reengage the drive system and the brake system and to take your scooter out of freewheel mode.

Zoom Zoom

Motor/Transaxle Assembly

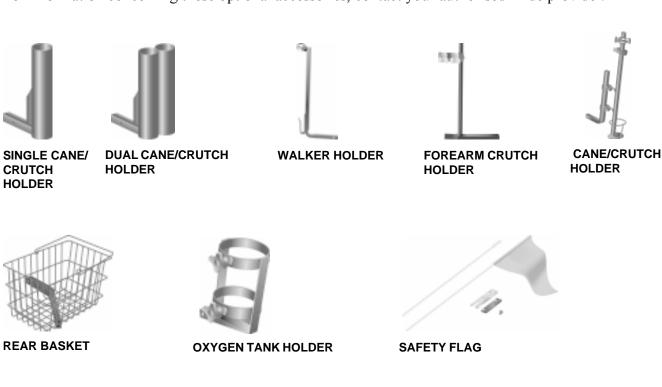
The motor/transaxle assembly consists of a geared transmission and differential. This one piece, direct drive, fully sealed assembly provides quiet operation with maximum power and long life. See figure 7.

Anti-Tip Wheels

The anti-tip wheels are an integral and important safety feature of your scooter. Do not, under any circumstances, remove the anti-tip wheels from your scooter.

OPTIONAL ACCESSORIES

For information concerning these optional accessories, contact your authorised Pride provider.



ALSO AVAILABLE BUT NOT SHOWN: SADDLE BAG

TAILLIGHT

CUP HOLDER

Zoom 21

QUAD CANE HOLDER

Your scooter requires two long-lasting, 12-volt, deep-cycle batteries that are sealed and maintenance free. They are recharged by an onboard 3-amp charging system designed for ease of use and convenience.

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

You have the option to use either 32 AH or 17 AH batteries for your scooter. Your scooter was preset to use 32 AH batteries. If you decide to use 17 AH batteries, you must install the two provided battery spacer brackets.

Follow these easy steps to install the battery spacer brackets:

- 1. Position the spacer bracket in the battery well. See figure 8.
- 2. Align the holes in the spacer bracket with the holes in the battery well.
- 3. Install the Christmas tree clips. See figure 8A.
- 4. Repeat steps 1-3 for the second spacer bracket.

READING YOUR BATTERY VOLTAGE

The battery condition metre on the control console assembly indicates the approximate strength of your batteries using a colour code. Green indicates fully charged batteries, yellow a draining charge, and red indicates that an immediate recharge is necessary. See figure 9.

CHARGING YOUR BATTERIES

Follow these easy steps to charge your batteries safely:

- 1. Position your scooter close to a standard wall outlet.
- 2. Remove the key from the key switch.
- 3. Make certain that the manual freewheel lever is in the drive (down) position.
- 4. Plug the charger power lead into the charger power lead receptacle.
- 5. Extend the charger power cord and plug it into the wall outlet. It is recommended that you charge your batteries for 8 to 14 hours.
- 6. When the batteries are fully charged, unplug the charger power lead from the wall outlet and then from the charger power lead receptacle.

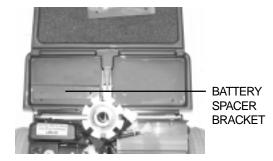


FIGURE 8. POSITIONING THE BATTERY SPACER BRACKET



FIGURE 8A. INSTALLING THE CHRISTMAS TREE CLIPS

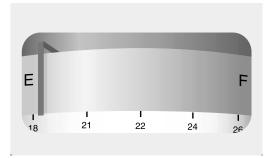


FIGURE 9. BATTERY CONDITION METRE



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

NOTE: There is a charger inhibit function on your scooter. The scooter will not run and the battery condition metre will not operate while the batteries are charging.

Zoom Zoom

BATTERIES AND CHARGING-FREQUENTLY ASKED QUESTIONS (FAQS)

How does the charger work?

When your scooter's battery voltage is low, the charger works harder, sending more electrical current to the batteries to bring up their charge. As the batteries approach a full charge, the charger sends less and less electrical current. When the batteries are fully charged, the current sent 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. We do not recommend that you charge your scooter's batteries for more than 24 consecutive hours.

What if my scooter's batteries won't charge?

- Ensure that the red (+) and black (-) battery cables are connected properly to the battery terminals.
- Ensure both battery harnesses that extend from the batteries are plugged into their mating harnesses leading to the charger.
- Ensure that both ends of the charger power lead are inserted fully.

Can I use a different charger?

For the safest, most efficient, and balanced charging of your scooter's batteries, we prefer and highly recommend simultaneous charging of both batteries with the onboard 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.

With these considerations in mind, you can determine how often and for how long you should charge your scooter's batteries. We designed the onboard charger so that it will 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 that 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.

How can I ensure maximum battery life?

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

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. Often, you will face hills, pavement cracks, uneven and loosely packed surfaces, curves, and wind, all of which 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 daily use.
- Maintain 30-35 psi (pounds per square inch) in 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 sealed lead-acid and gel cell are deep-cycle batteries that are similar in performance. Do not use wet-cell batteries, which have removable caps.



CAUTION! Do not remove the caps from sealed batteries. Water cannot be added to sealed batteries. Cap removal voids the battery warranty and may cause damage to the batteries and to your scooter.

Use these specifications to reorder deep-cycle batteries:

Type: Deep-cycle (sealed lead-acid or gel cell)

Size: U-1 (32 AH only)
Voltage: 12 volts each
Amperage: 32 AH, 17 AH

To change a battery in your scooter:



WARNING! Battery posts, terminals, and related accessories contain lead and lead compounds. Wash hands after handling.

- 1. Remove the seat and rear shroud.
- 2. Disconnect the battery tie-down strap.
- 3. Disconnect the battery harness.
- 4. Disconnect the battery cables from the battery terminals.
- 5. Remove the old battery.
- 6. Place a new battery in the battery well.
- 7. Connect the red battery cable to the positive (+) battery terminal.
- 8. Connect the black battery cable to the negative (-) battery terminal.
- 9. Reconnect the battery harness.
- 10. Reconnect the battery tie-down strap.
- 11. Reinstall the rear shroud and seat.

What about public transportation?

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

Zoom Zoom

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), and 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 can 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 (partial draining followed by full recharging) to establish the critical chemical balance that is essential to a deep-cycle battery's peak performance and long life.

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 charging cycle brings the battery up to about 88% of its 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. They should be at over 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 should I store my scooter and its batteries?

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

- Fully charge its batteries prior to storage.
- Disconnect both battery harnesses.
- Store your scooter in a warm, dry environment.
- Avoid storing your scooter where it will be exposed to temperature extremes.



WARNING! If your scooter's batteries do become frozen, do not attempt to charge them. Cold or frozen batteries should be allowed to warm up for several days prior to recharging.

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

VI. OPERATION

BEFORE GETTING ONTO YOUR SCOOTER

- Have you fully charged the batteries? See V. "Batteries and Charging."
- Is the manual freewheel lever in the drive (down) position?



WARNING! Never leave the manual freewheel lever pulled up 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 your scooter without first removing the key from the key switch. This prevents the scooter from moving if accidental throttle control lever contact is made.

- 2. Stand at the side of your scooter.
- 3. Push forward on the seat lock lever and rotate the seat until it is facing you.
- 4. Make certain that the seat is locked securely in position.
- 5. Position yourself comfortably and securely in the seat.
- 6. Fasten the positioning belt, if equipped.
- 7. Push forward on the seat lock lever and rotate the seat until you are facing forward.
- 8. Make certain that the seat is locked securely in position.
- 9. Make certain that your feet are safely on the floorboard.

PRE-RIDE ADJUSTMENTS AND CHECKS

- Are you positioned comfortably in the seat? See "Getting Onto Your Scooter," above.
- Is the seat at the proper height? See VII. "Comfort Adjustments."
- Is the seat locked securely in place? See VII. "Comfort Adjustments."
- Is the tiller at a comfortable setting and locked securely in place? See VII. "Comfort Adjustments."
- Is the key fully inserted into the key switch and in the on position? See IV. "Your Zoom."
- 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

After planning your route:

- Adjust the speed adjustment dial on the control console assembly to your desired speed.
- Press your thumb against the appropriate throttle control lever.
- The electric brake automatically disengages and the scooter accelerates smoothly to the speed you preselected with the speed adjustment dial.
- Pull on the left handgrip to steer your scooter to the left.
- Pull on the right handgrip to steer your scooter to the right.
- Move the tiller to the centre position to drive straight ahead.
- Release the throttle control lever to decelerate and come to a complete stop.
- The electric brake automatically engages when your scooter comes to a stop.

NOTE: The rear-wheel drive transaxle gives your scooter maximum traction with minimal steering effort on your part.

Zoom Zoom

VI. OPERATION

GETTING OFF OF YOUR SCOOTER

- 1. Bring your scooter to a complete stop.
- 2. Remove the key from the key switch.



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

- 3. Push forward on the seat lock lever and rotate the seat until you are facing toward the side of your scooter.
- 4. Make certain that the seat is locked securely in position.
- 5. Unfasten the positioning belt, if equipped.
- 6. Carefully and safely get out of the seat and stand to the side of your scooter.
- 7. You may, if you wish, leave the seat facing to the side to facilitate boarding your scooter next time.

AUTO SHUTOFF FEATURE

The scooter is equipped with an energy saving auto shutoff feature.

If you leave the key in the on position and the scooter remains inactive for approximately 20 minutes, the electronic controller asembly will automatically shut down. This feature is designed to preserve battery life.

NOTE: Although the electronic controller asembly will be shut down by the auto shutoff feature, all activated lights will remain on. For maximum battery life it is recommended that you turn off your lights or turn the key to the off position.

To restore power back to the scooter:

- Turn the key anticlockwise to the off position.
- Turn the key clockwise to the on position.

Your scooter will now resume normal operation.

VII. COMFORT ADJUSTMENTS



WARNING! Remove the key 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 to many positions. The tiller adjustment lever locks the tiller in place. It has a spring-loaded mechanism that enables you to rotate it and change its position.

- 1. Turn the tiller adjustment lever anticlockwise until it is loose. If the tiller adjustment lever comes in contact with the tiller basket, pull it outward, turn it clockwise, and release it. Continue to loosen until the tiller is able to move. See figure 10.
- 2. Press the release buttons and move the tiller to a comfortable position. See figure 10A.
- 3. Turn the tiller adjustment lever clockwise until it is tight. If the tiller adjustment lever comes in contact with the tiller basket, pull it outward, turn it anticlockwise, and release it. Continue to turn the lever until it is tight. The tiller may be lowered to the centre of the floorboard and locked in place for storage. See VIII. "Disassembly and Assembly."

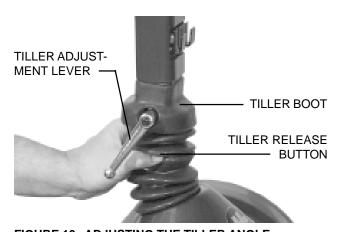


FIGURE 10. ADJUSTING THE TILLER ANGLE

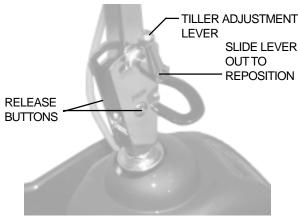


FIGURE 10A. ADJUSTING THE TILLER ANGLE (TILLER BOOT REMOVED)

SEAT HEIGHT ADJUSTMENT

The seat can be repositioned to one of three different heights. See figure 11.

- 1. Push forwardon the seat lock lever and lift the seat up and off of the scooter. see figure 12
- 2. Use the attached ring to pull and remove the ball detent pin from the lower seat post.
- 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 with the holes in the lower seat post.
- 5. Fully insert the ball detent pin.
- 6. Replace the seat.

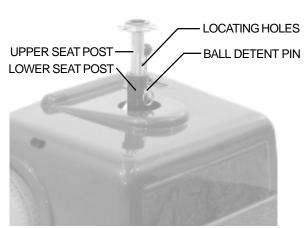


FIGURE 11. SEAT HEIGHT ADJUSTMENT

Zoom Zoom

VII. COMFORT ADJUSTMENTS

FRONT-TO-BACK SEAT ADJUSTMENT

You can reposition the scooter's seat forward or rearward to one of three settings to adjust the distance between the seat and the tiller. See figure 12.

- 1. Remove the seat from your scooter.
- 2. Remove the four bolts that fasten the seat to the seat platform. See figure 12.
- 3. Align the seat platform with the desired set of holes on the seat.
- 4. Install the four bolts securely.

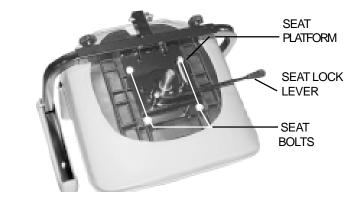


FIGURE 12. FRONT-TO-BACK SEAT ADJUSTMENT

ARMREST WIDTH ADJUSTMENT

The armrest width of your scooter can be adjusted inward or outward. See figure 13.

- 1. Loosen the adjustment knobs at the back of the seat frame.
- 2. Slide the armrests in or out to the desired width.
- 3. Tighten the adjustment knobs.

NOTE: The armrests also raise up, making getting onto and off of your scooter easier.

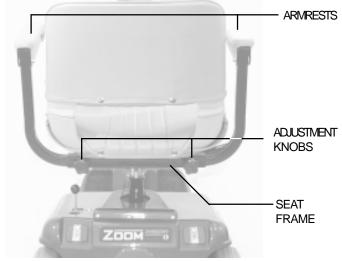


FIGURE 13. ARMREST WIDTH ADJUSTMENT

SEAT ROTATION

The seat lock lever locks the seat in one of five positions. See figure 14.

- 1. Push forward on the seat lock lever to unlock the seat.
- 2. Rotate the seat to the desired position.
- 3. Release the seat lock lever to lock the seat securely in place.



FIGURE 14. SEAT LOCK LEVER

VIII. DISASSEMBLY AND ASSEMBLY

Always disassemble or assemble your scooter on a level, dry surface with sufficient room for you to work and move around your scooter. Keep in mind that the disassembled sections of the scooter take up more floor space than the assembled scooter.

DISASSEMBLY



WARNING! Lifting weight beyond your physical capability may result in personal injury. Ask for assistance when necessary while disassembling and assembling your scooter.

- 1. Remove the key from the key switch. See IV. "Your Zoom."
- 2. Pull up on the manual freewheel lever. See IV. "Your Zoom." Putting your Zoom in freewheel mode makes it easier for you to maneuver the rear section because the drive wheels are free to turn.
- 3. Lift the seat up and off of your scooter.
- 4. Gently lift the rear shroud off of your scooter. The rear shroud is held in place with a reusable fastener.
- 5. Unplug both 2-pin battery harness connectors. See figure 15.
- 6. Remove the battery straps and lift both batteries from the battery wells.
- 7. Unplug the large, white, 9-pin front-to-rear connector that connects the front control console assembly harness to the electronic controller assembly harness. See figure 15.



CAUTION! Failing to unplug both battery harness connectors and the front-to-rear connector prior to further disassembly could result in permanent damage to your scooter.

BATTERY HARNESS CONNECTORS

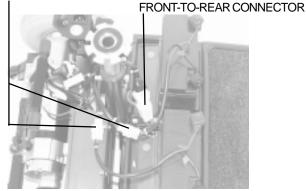


FIGURE 15. BATTERY HARNESS CONNECTORS/ FRONT-TO-REAR CONNECTOR

FRONT-TO-REAR LOCKING LEVER

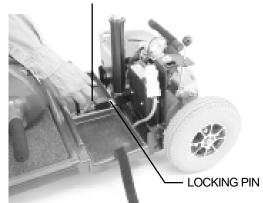


FIGURE 16. FRONT-TO-REAR LOCKING LEVER

Separating The Front And Rear Sections

- 1. Lower the scooter's tiller to the centre of the floorboard by turning the tiller adjustment lever anticlockwise until it is loose. Press the tiller release buttons and lower the tiller to the centre of the floorboard. Tighten the tiller adjustment lever.
- 2. Pull up on the front-to-rear locking lever (releases the locking pin) with one hand, and push on the seat pedestal to pivot the scooter's rear section rearward with your other hand—far enough so the rear section's upper pegs come free of the front section's upper slots. See figures 16 and 17.
- 3. With one hand on the seat pedestal and one hand on the frame handle, slightly lift the front section and slide the front and rear sections apart. See figures 17 and 18.

VIII. DISASSEMBLY AND ASSEMBLY

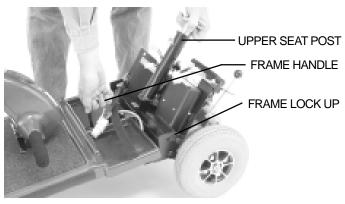




FIGURE 17. FRAME HANDLE

FIGURE 18. FRAME SEPARATION

ASSEMBLY

- 1. Pull up on the manual freewheel lever. Putting your scooter in freewheel mode makes it easier for you to maneuver the rear section because the drive wheels are free to turn. See IV. "Your Zoom."
- 2. Position the front and rear sections of your scooter as shown in figure 18.
- 3. Gently pull up on the upper seat post so the front of the rear section pivots up.
- 4. Using the frame handle, lift the front section and align the lower slots on the rear of the front section with the corresponding lower pegs on the front of the rear section. Pivot the rear section forward until it locks in place with a "click." See figure 17.
- 5. Raise the tiller to the upright position by turning the tiller adjustment lever anticlockwise until it is loose. Press the release buttons and raise the tiller to the desired position. Tighten the tiller adjustment lever.
- 6. Connect the large, white, 9-pin front-to-rear connector located on the harness coming out of the scooter's front section to the connector's mating socket found near the front of the scooter's rear section.
- 7. Place the batteries in the battery wells and strap them in place.
- 8. Connect the 2-pin battery harness connectors into the mating harnesses that extend from the electronic controller assembly.
- 9. Gently place the rear shroud over the seat pedestal and slide it down into position. The reusable fasteners hold it in place.
- 10. Carefully lift the seat and slide the post (on the bottom of the seat frame) into the seat pedestal.
- 11. Rotate the seat until it locks into place to complete the assembly of your scooter.

IX. 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.

PROBLEM	POSSIBLE SOLUTIONS
All of my scooter systems appear to be "dead."	 One of the following actions may eliminate the problem. Remove and reinsert the key in the key switch. Ensure the batteries are fully charged. Push in the main circuit breaker reset button. Ensure both battery harnesses are firmly connected to the electronic controller assembly and to the battery terminals. Ensure the front-to-rear harness connector is firmly connected.
My scooter's battery condition metre 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. (Push down on the manual freewheel lever to restore normal operation.) NOTE: When the manual freewheel lever is pulled up, your scooter's brakes are disengaged and all power to the motor/transaxle assembly is cut.
My scooter's main circuit breaker repeatedly trips.	 One of the following actions may eliminate the problem. Charge your scooter's batteries more frequently. Have both of your scooter's batteries load tested by your authorised Pride provider. Obtain a battery load tester at most any automotive parts store; follow the directions supplied with the load tester.
My scooter's battery condition metre dips way down and the motor surges or hesitates when I press the throttle control lever.	

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

X. CARE AND MAINTENANCE

The following areas require periodic inspection and/or care and maintenance.

TYRE PRESSURE

■ For optimum scooter performance we recommend you maintain the tyre pressure between 30-35 psi.



WARNING! Do not exceed 35 psi; overinflating a tyre can cause it to explode.

TYRE CONDITION AND TREAD WEAR

- Regularly inspect your scooter's tyres for signs of wear.
- Use a rubber conditioner on your scooter's tyres to help to preserve them.



WARNING! Do not put rubber conditioner on tyre tread; this may cause the tyres to become dangerously slippery.

EXTERIOR SURFACES

■ Bumpers and trim also 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; it may become dangerously slippery.

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

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.

WIRING HARNESSES

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

AXLE BEARINGS AND THE MOTOR/TRANSAXLE ASSEMBLY

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

CONSOLE, CHARGER, AND ELECTRONIC CONTROLLER ASSEMBLY

- Keep these areas free of moisture.
- If any of these items do become exposed to moisture, let them dry thoroughly before operating the scooter again.

XI. WARRANTY

TWO-YEAR LIMITED WARRANTY

Structural frame components, including: platform, fork, seat post, and frame welds. Drive train, including: differential, motor, and brake.

ONE-YEAR LIMITED WARRANTY

Your Pride Scooter is fully guaranteed for twelve (12) months from the date of purchase against faults arising due to defects in manufacture or materials. This warranty does not detract from, but is in addition to your legal rights.

All electronic parts including controllers and battery chargers have a one (1) year warranty. Servicing to the controller or battery charger must be carried out by your authorised Pride provider. Any attempt to open or dismantle these items renders the guarantee void on that item.

NOT COVERED UNDER WARRANTY

This guarantee does not extend to those items which may need replacement due to normal wear and tear (tyres, belts, bulbs, upholstery, plastic shrouds, motor brushes, fuses, batteries - see "Batteries," below), or damage to the product caused by misuse or accident for which Pride or its agent cannot be held responsible. This warranty does not include labor or service calls.

BATTERIES

Batteries are covered by a twelve (12) month warranty from the original manufacturer.

Gradual deterioration in performance (due to being left in a discharged state, in cold conditions for long periods of time, or worn out through heavy use) is not covered.

SERVICE CHECKS AND WARRANTY SERVICE

Warranty service can be performed by an authorised Pride provider. Please contact your authorised Pride provider who can advise you on the current cost affecting this service visit.

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