Sundancer

Owner's Manual

The Ultimate In Style & Performance®

Pride
Mobility Products Australia Pty. Ltd.

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Dandenong, 3175
Victoria, Australia

ACN # 088 609 661

www.pridemobility.com

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 set-up, contact your local authorized 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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I. INTRODUCTION

Welcome to Pride Mobility Products Australia Pty. Ltd. (Pride). Congratulations on the purchase of your new Pride Scooter. Your Scooter 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 will add convenience to your daily living and ensure complete satisfaction.

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 Scooter 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 Pride Scooter.

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

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

Once you understand how to operate and take care of your Scooter, 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 about this manual. We would also like to hear about the safety and reliability of your new Pride Scooter, and about the service you received from your authorized Pride provider.

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 Pride Scooter. 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 Authorized Pride Provider is:

Name:_____

Address:_____

Phone Number:_____

Quick Reference Information:

Scooter Model:_____

Serial Number:_____

Purchase Date:_____

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

II. SAFETY

SAFETY PRECAUTIONS

- Do not carry passengers on your Scooter.
- Lock the seat into place and remove the key from the key switch before you get on or off of your Scooter.
- Lock the seat into position before you operate your Scooter.
- Reduce your speed when you are operating your Scooter on uneven terrain, soft surfaces, and around a corner.
- Never 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.
- Proceed with extreme caution as you approach the downgrade of a ramp or incline and when driving near a raised surface or unprotected ledges and drop offs (kerbs, porches, stairs, etc.).
- Never remove the anti-tip wheels or modify your Scooter in any way that is not authorized by Pride.
- Use extreme caution when operating your Scooter on busy streets and in parking lots or shopping malls; never ride your Scooter where you cannot safely and legally walk. Consult local municipal or state agencies with regard to operating your Scooter on public roadways.
- Do not operate your Scooter while you are under the influence of alcohol.
- Check with your physician if you are taking any medications that may affect your ability to operate your Scooter safely.
- Keep your hands on the tiller and your feet on the floorboard when you are operating your Scooter.
- Make certain that the tyres are properly inflated (30 psi). Overinflating a tyre can cause it to explode, resulting in personal injury or damage to your Scooter.
- Never use your Scooter as a seat in a moving vehicle.
- Make certain that your batteries are properly secured when you are transporting your Scooter in another vehicle.
- Disconnect the batteries if you will not be using your Scooter for more than 48 hours. The batteries weigh approximately 11,5 kg each. If you are unable to lift that much weight, be sure to get help. Lifting weight above your capacity to do so may result in personal injury.
- Never sit on your Scooter when it is being used 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. It is our recommendation that you follow the manufacturer-supplied instructions and specifications if you decide to use such a product in connection to your Scooter.

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

Do not expose the electronics to any type of moisture (rain, snow, mist, or wash) at any time. Such exposure can damage the electronics.

Never attempt to ride a Scooter that has been exposed to moisture until it has dried thoroughly.

Do not operate or store your Scooter where it may be exposed to inclement weather conditions such as rain, snow, mist, and below-freezing temperatures (such as storage on an outside car/van lift). Attempting to operate your Scooter in such conditions can damage the electronics and potentially result in loss of control.

Do not operate your Scooter in icy or slippery conditions or on salted surfaces (i.e., footpaths or roads). Such use may result in an accident, personal injury, or adversely affect the performance and/or safety of your Scooter.

II. SAFETY

WARNING! Always protect batteries from freezing temperatures and never charge a frozen battery. This will damage the battery and may cause personal injury. Attempting to charge a battery in freezing conditions does not prevent a battery from freezing.

As you begin to use your Scooter during your daily activities, you will encounter situations that may require some practice. Simply take your time as you operate your Scooter and you will soon be in full and confident control as you maneuver through doorways, on and off of elevators, up and down ramps, and over moderate terrain.

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 slowly forward to push the door open, or drive slowly backward while pulling 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 your Scooter to reopen the door.
- Use care that pocketbooks, packages, or Sundancer accessories do not become caught in the elevator doors.

RAMPS AND OTHER INCLINES

More and more buildings have ramps with specified degrees of inclination, designed for easy and safe Scooter access. Some ramps may have turning switchbacks that require you to have good cornering skills on your Scooter.

- Take wide swings with the front wheel(s) around any tight corners. If you do that, the rear wheels will follow a wide arc and will not cut the corner short, bump into, or get hung up on any railing corners.
- When driving down a ramp, keep the speed adjustment dial (see IV. "Description") set to the tortoise (slowest speed setting) to ensure a safely controlled descent.
- Avoid sudden stops and starts.

Other inclines may be natural or, if man-made, not designed specifically for Scooters. Figure 1 illustrates your Sundancer's stability and its ability to climb grades under various weight loads and under controlled testing conditions.

Pride conducted controlled incline testing with your Scooter seat in the highest position, adjusted backward on the seat base to the farthest rearward position. This testing indicates that 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.

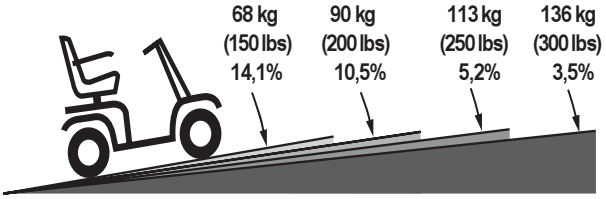


Figure 1. Maximum Recommended Incline Angle

When you approach an incline, it is best to lean forward. See figures 2 and 3. This shifts the center of gravity of you and your Sundancer 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

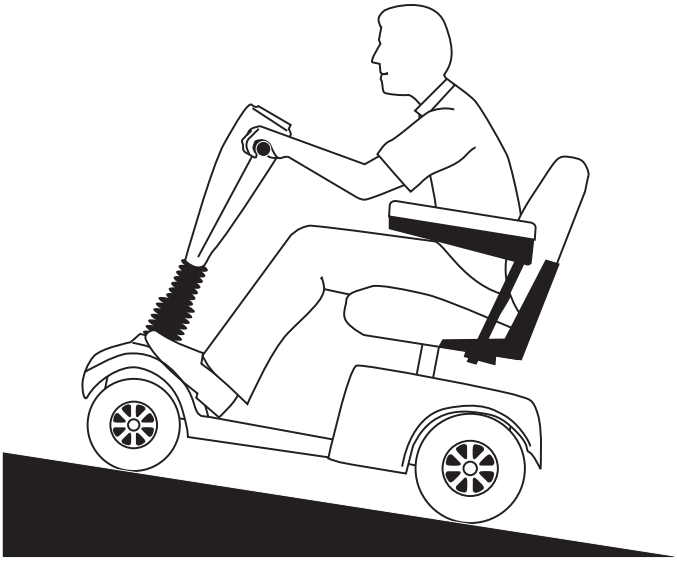


Figure 3. Increased Stability Driving Position

DRIVING SURFACES

Your Scooter was designed to provide optimum stability under normal driving conditions — dry, level surfaces composed of concrete or asphalt. However, Pride recognizes that there will be times when you will operate your Scooter on surfaces other than concrete or asphalt. For that reason, we also designed your Scooter to perform admirably on packed soil, grass, and gravel.

- Feel free to use your Scooter safely on lawns and in park areas.
- Avoid tall grass that can entangle the running gear.
- Packed soil, gravel, driveways, or roads will not present a problem for your Scooter.
- Avoid loosely packed gravel and sand.
- If you feel unsure about a driving surface, avoid that surface.

III. SPECIFICATIONS

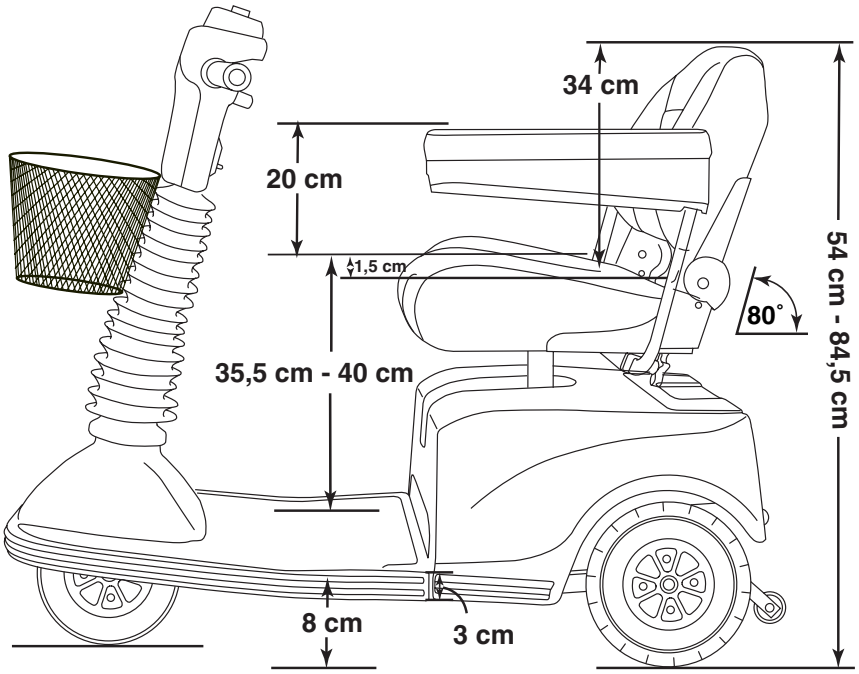
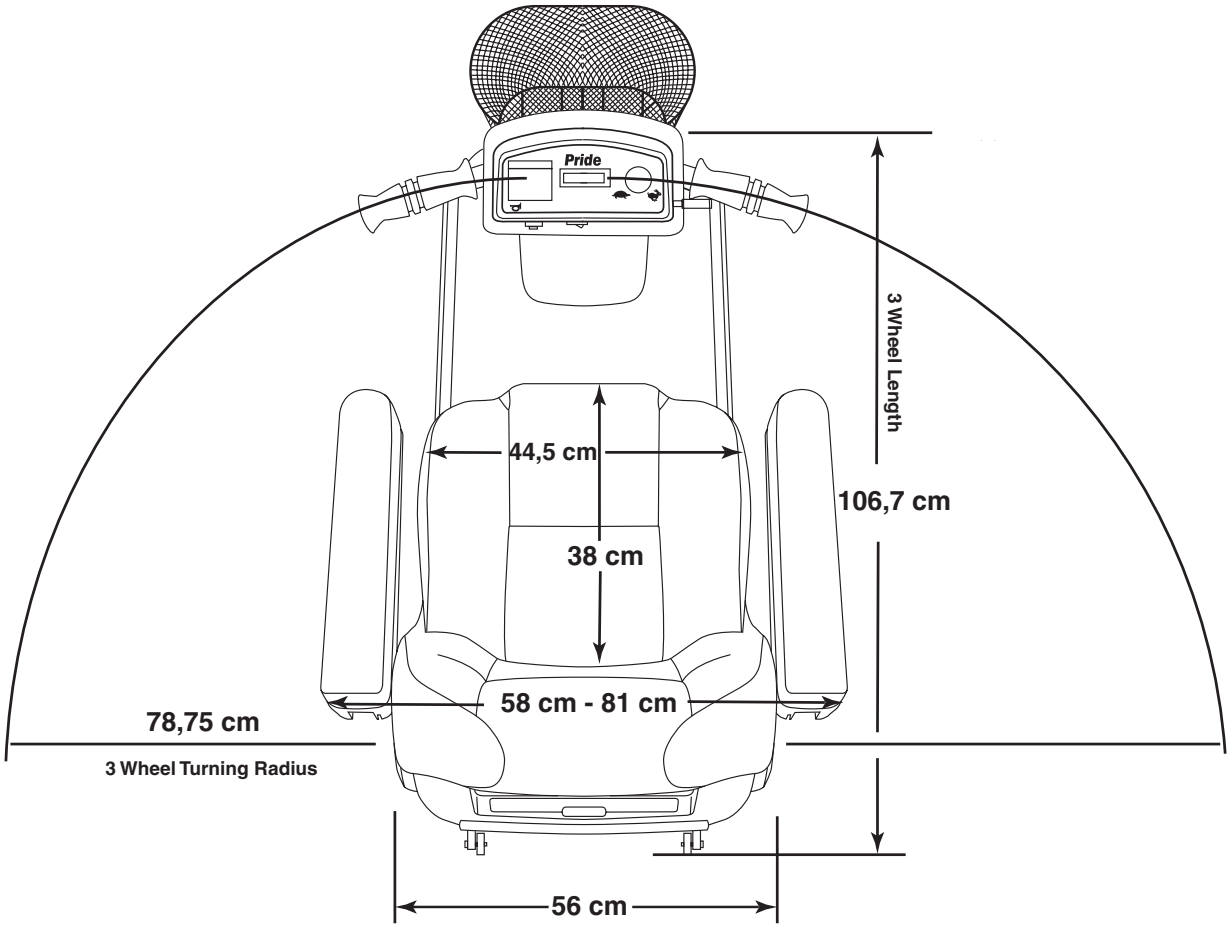


Figure 4. Sundancer Specifications



III. SPECIFICATIONS

Specifications	
Length:	106,7 cm
Width:	56 cm
Tyres:	Type: Pneumatic Front: 5 cm x 20 cm Rear: 6 cm x 23 cm
Weight Capacity:	136 kg maximum
Battery Type (not included):	Two 12V, 32 amp hours (AH), U-1 type, sealed lead-acid (SLA)
Horsepower:	1,4 HP (Peak)
Charger:	Onboard 3 amp charger
Speed (Max):	Variable up to 7,2 km/hr
Maximum Grade:	Please refer to figure 1.
Range:	32 - 40 km per charge with 32 AH batteries
Turning Radius:	78,75 cm
Body Colours:	Candy Apple Red, Teal, Viper Blue, Onyx Black
Seating:	Style: Low back Dimensions: 44,5 cm width (usable) x 34 cm height (usable) x 38 cm depth Seat cover material: Gray or beige fabric Armrests: Match seat cover User adjustable seat height from ground: 51 - 56,5 cm User adjustable seat height from scooter deck: 39 - 44,5 cm
Included Features:	Adjustable seat height and positioning, energy-saving auto shutoff feature, front basket
Brakes:	Electronic regenerative braking and electromechanical disc brake
Rear Wheel Drive:	Sealed Transaxle, 24 VDC motor
Wheels:	Pride MicroMag aluminum alloy wheels in red and black
Tiller Type:	Infinitely adjustable between forward stop and scooter deck
Freewheel Mechanism:	Freewheel release lever located on transaxle
Scooter Weight:	Total weight with batteries: 67 kg Total weight without batteries: 44 kg Component Breakdown: Front Section w/o batteries: 13 kg Rear Section (w/out shroud, tray): 16 kg Rear Plastic Shroud: 1,4 kg Seat: 11,5 kg Batteries (2 required): 11,25 kg each (12V, 32 AH) Tray: 2,25 kg
Front-to-rear Lockup:	Lock pin and lever system
Ground Clearance:	8 cm
Optional Accessories:	Cane/crutch holder, cup holder, front bumper, headlight, oxygen holder, power seat assembly, rear basket, rear bumper, rearview mirror, safety flag, taillight, walker holder

IV. DESCRIPTION

Your Sundancer is a motorized electric Scooter designed to enhance your personal mobility. It is an indoor/outdoor Scooter that was designed to travel primarily on smooth surfaces such as footpaths, roads, parking lots, floors, and driveways. For easy transportation or storage, you can disassemble your Sundancer into seven components. See figure 5. To decrease the rear section weight or to charge your batteries while your Scooter is disassembled, you can also remove the utility tray and its subcomponents from the rear section. For further information on disassembly, see VIII. "Disassembly and Assembly." For further information on charging your batteries while your Scooter is disassembled, see V. "Batteries and Charging."

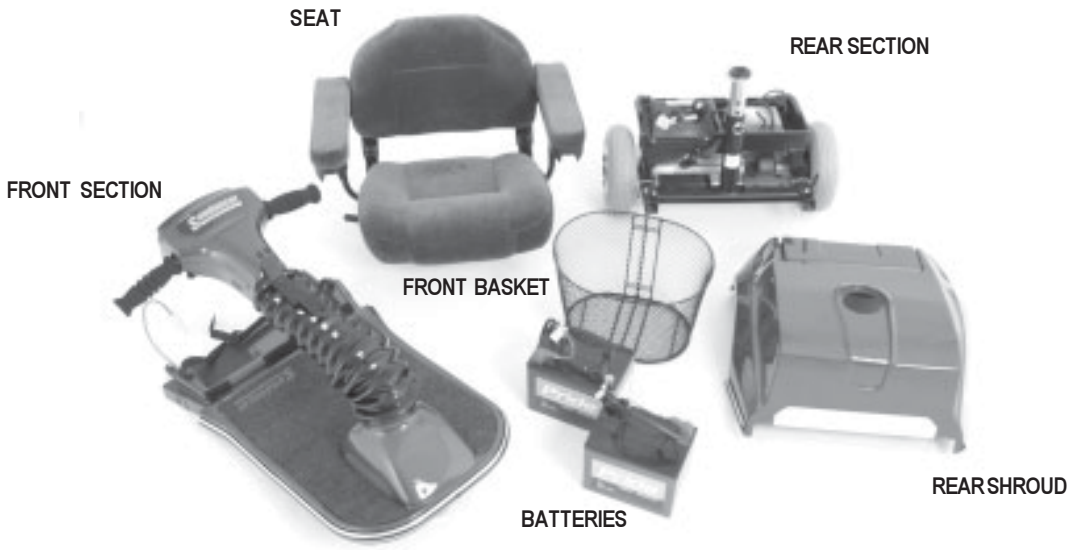


Figure 5. Sundancer Components

CONTROL CONSOLE ASSEMBLY

The control console assembly located on the front section houses all of the controls you need to operate your Scooter. See figure 6.

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

Light Switch (Optional, not shown)

This switch enables you to control the headlight and running (rear red) light.

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

Throttle Control Lever

This lever allows you to control the forward and reverse speeds up to the maximum you preset on the speed adjustment dial. For instructions on how to operate the throttle control lever, see VI. "Operation."

Horn Button

This button activates a warning horn.

- Ensure the key is fully inserted into the key switch and push the horn button to sound the horn.

IV. DESCRIPTION

Figure 6. Control Console Assembly

Battery Condition Meter

When the key is fully inserted, this meter indicates the approximate battery voltage strength. For further information on battery charging, see V. "Batteries and Charging."

Speed Adjustment Dial

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

- Set the speed between the slowest (image of the tortoise) and the fastest (image of the hare) speed settings.

Key Switch

This switch enables you to power up and power down your Scooter.

- Fully insert the key into the key switch to power up your Scooter.
- Remove the key from the key switch 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!

Power Seat Switch (Optional)

If your Scooter is equipped with a power seat, this switch enables you to raise and lower the seat. For power seat adjustment instructions, see VII. "Comfort Adjustments."

WARNING! Strict adherence to the following safety rules is vital:

- **Do not attempt to raise or lower the seat while your Scooter is in motion!**
- **Adjust the power seat only when your Scooter is level and stationary!**
- **Drive your Scooter only with the seat in the lowest position!**
- **Do not operate your Scooter with the power seat elevated!**

IV. DESCRIPTION

REAR SECTION

The electronic controller module, onboard battery charger, main circuit breaker reset button, batteries, motor/transaxle assembly, and the manual freewheel lever are located on the rear section of your Scooter. The anti-tip wheels are at the rearmost part of your Scooter. See figures 7 and 8. Refer to VIII. "Disassembly and Assembly" for instructions on removing the rear shroud.

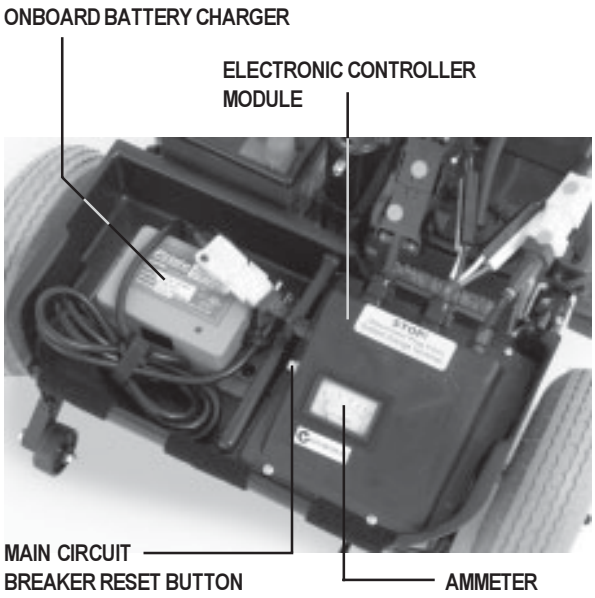


Figure 7. Utility Tray Components

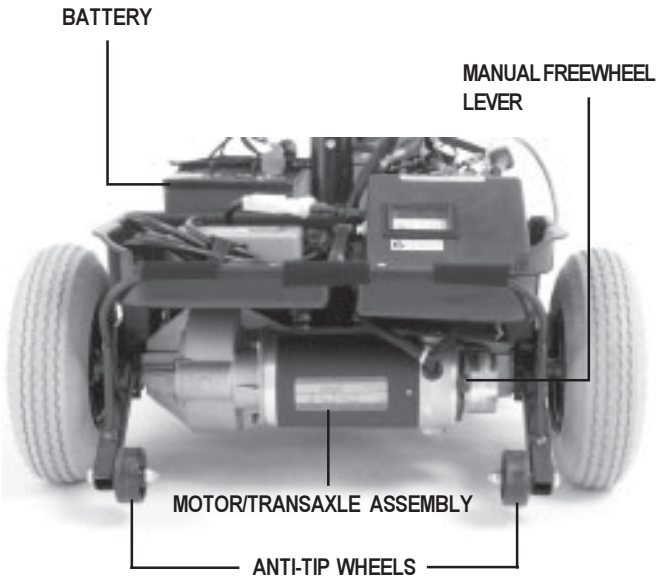


Figure 8. Rear Section Components

Electronic Controller Module

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

WARNING! 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 thoroughly dried.

Onboard Battery Charger

The onboard battery charger converts household current (AC) to direct current (DC) and charges your batteries. See V. "Batteries and Charging."

- The charger is located on the utility tray.
- The charger is a gray-colored box with a green LED indicator on the exterior of its case.

Main Circuit Breaker

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

- The main circuit breaker reset button is mounted on the electronic controller module cover.
- 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 the 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 or have your authorized Pride provider perform a load test on your batteries.
- If the main circuit breaker trips repeatedly, see your authorized Pride provider for service.

Batteries

The batteries store the electrical energy that powers your Scooter. For directions on charging your batteries, see V. "Batteries and Charging."

Motor/Transaxle Assembly

The motor/transaxle assembly is the electromechanical unit that converts the electrical energy of your batteries into the controlled mechanical energy that drives the wheels.

Manual Freewheel Lever

Whenever you want to push your Scooter for short distances, you can put it in manual freewheel mode.

WARNING! It is important to remember that when your Scooter is in manual freewheel mode, the braking system is disengaged.

Follow these safety rules when using the freewheel mode:

- **Do not disengage the drive motors when your Scooter is on an incline; your Scooter could roll down on its own and cause injury!**
- **Before placing your Scooter in or taking it out of manual freewheel mode, ensure the key is removed from the key switch.**
- **Never sit on your Scooter when it is in manual freewheel mode.**
- **When you have finished pushing your Scooter, always return it to the drive mode to lock the brakes.**
- **The manual freewheel lever is located on the end of the motor/transaxle assembly at the right rear of the Scooter.**
- **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 take your Scooter out of manual freewheel mode.**

Anti-Tip Wheels

The anti-tip wheels are an integral and important safety feature which help to prevent your Scooter from tipping backwards on an incline. Do not, under any circumstances, remove the anti-tip wheels from your Scooter.

OPTIONAL ACCESSORIES

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

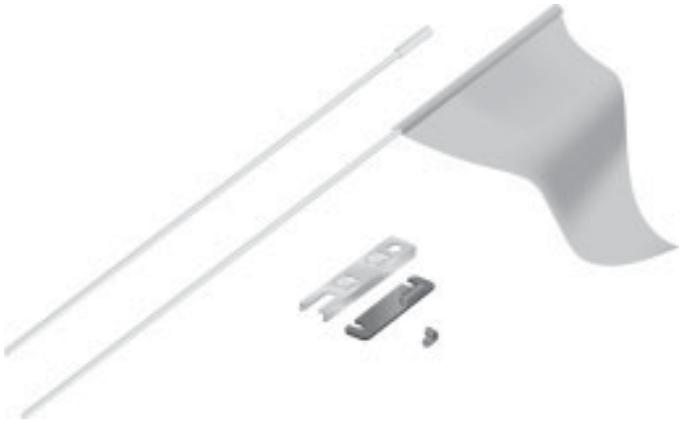
Oxygen Tank Holder

Rear Basket

Rearview Mirror

Walker Holder

Arm Mount Cane/Crutch Holder



Flag

Cup Holder

V. BATTERIES AND CHARGING

Your Sundancer requires two long-lasting, 12-volt, deep-cycle batteries that are sealed and maintenance free. Recharge the batteries with the convenient onboard 3 amp charging system.

Two important points to remember are:
- Charge your batteries with the supplied onboard battery charger prior to using it for the first time.
- Keep your batteries fully charged to keep your Scooter running smoothly.

NOTE: Use only the onboard battery charger supplied with your Scooter.

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 battery charger and then insert the key into the key switch.

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 amperage reading should be at or near zero (0) when the batteries are fully charged.) The battery charger must be plugged into a wall outlet to obtain an ammeter reading.

CHARGING YOUR BATTERIES

You can charge the batteries with your Scooter completely assembled or with your Scooter disassembled, as described in VIII. "Disassembly and Assembly." We strongly recommend you charge the batteries while your Scooter is fully assembled. However, if you are traveling and you disassemble your Scooter to transport it, you may find it necessary to charge your batteries. In such instances, it is easier to take out the utility tray and batteries to perform the charging.

Follow these steps to safely charge your batteries while your Scooter is fully assembled.
1. Position your Scooter close to a standard wall outlet.
2. Remove the key from the control console assembly.
3. Extend the charger power cord and plug it into the wall outlet. We recommend you charge the batteries for 8 to 14 hours.

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

4. When the batteries are fully charged, unplug the charger power cord from the wall outlet, recoil the cord, and place it neatly inside the utility tray.

NOTE: There is a charger inhibit on your Sundancer. Your Scooter will not run and the battery condition meter will not operate while the batteries are charging.

Follow these steps to safely charge your batteries with the utility tray and batteries removed.
1. Disassemble your Scooter, as described in VIII. "Disassembly and Assembly."
2. Place your utility tray and batteries close to a standard wall outlet.
3. Plug both 2-pin battery harnesses into the adjoining harnesses extending from the electronic controller module on the utility tray.
4. Extend the charger power cord and plug it into the wall outlet. We recommend you charge the batteries for 8 to 14 hours.
5. When the batteries are fully charged, unplug the charger power cord from the wall outlet, recoil the cord, and place it neatly inside the utility tray.

6. Uplug both battery harnesses.
7. Reassemble your Scooter as described in VIII. "Disassembly and Assembly."

FREQUENTLY ASKED QUESTIONS (FAQs)

How does the charger work?

When the 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 the batteries but does not overcharge them. We do not recommend that you charge the batteries for more than 24 consecutive hours.

What does the LED on the charger indicate?

The onboard battery charger is equipped with a green Light Emitting Diode (LED*)* that indicates the charging status of your Scooter's batteries. The green LED flashes when the batteries reach full charge.

Can I use a different charger?

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

How often must I charge the batteries?

Two major factors must be considered when deciding how often to charge your batteries: all day Scooter use on a daily basis and infrequent Scooter use.

With these considerations in mind, you can determine just how often and for how long you should charge your batteries. We designed the onboard charger so that it does not overcharge the batteries; however, you may encounter some problems if you do not charge the batteries often enough and if you do not charge them on a regular basis. Following the five guidelines below provides 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 the 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 the batteries fully charged.
- Avoid deeply discharging the batteries.
- Do not charge the batteries for more than 24 consecutive hours.

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, footpath cracks, uneven and loosely packed surfaces, curves, and wind. All of these driving conditions affect the distance or running time per battery charge. The following are a few suggestions for obtaining the maximum range per battery charge.

- Always fully charge the batteries prior to your daily use.
- Maintain 30 psi (pounds per square inch) in all of your Scooter's tyres.
- Plan your route ahead to avoid as many hills, cracked, broken, or soft surfaces as possible.

V. BATTERIES AND CHARGING

- 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 (SLA) 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.

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:

Battery Specifications	
Type:	Deep-cycle (sealed lead-acid or gel cell)
Size:	U-1
Voltage:	12 volts each
Amperage:	32 AH (amp hours)

To change a battery in your Scooter:

1. Remove the seat and the rear shroud. See VIII. "Disassembly and Assembly."
2. Disconnect the battery cables from the electronic controller module.
3. Unfasten the battery tie-down strap.
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 cables to the electronic controller module.
10. Refasten the battery tie-down strap.
11. Reinstall the rear shroud and the seat.

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

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.

V. BATTERIES AND CHARGING

We work closely with our battery manufacturer to provide batteries that best suit your Sundancer'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 batteries to stabilize 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 the 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 the 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.

How should I store my Sundancer 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 the battery harnesses from the electronic controller module.
- Store your Scooter in a warm, dry environment.
- Avoid storing your Scooter where it will be exposed to temperature extremes.

WARNING! If the 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 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.

VI. OPERATION

Familiarize yourself with the following checklist before you get on your Scooter. Some of the checks must be performed prior to getting on your Scooter.

PRE-RIDE ADJUSTMENTS AND CHECKS

- Have you fully charged the batteries? See V. "Batteries and Charging."
- Is the manual freewheel lever in the drive (down) position? See IV. "Description." Never leave the manual freewheel lever pulled up unless you are manually pushing your Scooter.
- 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?
- Are you positioned comfortably in the seat? See "Getting On Your Scooter," below.
- 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 handle at a comfortable setting and locked securely in place? See VII. "Comfort Adjustments."
- Is the key fully inserted into the key switch? See IV. "Description."
- Is the speed adjustment dial set to the slowest setting? See IV. "Description."
- Are you grasping the handgrips with a thumb resting on each side of the throttle control lever? See IV. "Description."
- Does the horn work properly?

GETTING ON YOUR SCOOTER

- Make certain that the key is removed from the key switch.
- Stand at the side of your Scooter.
- Push down on the seat lock lever and rotate the seat until it faces you.
- Make certain that the seat is locked securely in position.
- Position yourself comfortably and securely in the seat.
- Push down on the seat lock lever and rotate the seat until you face forward.
- Make certain that the seat is locked securely in position.
- Make certain that your feet are safely on the floorboard.

OPERATING YOUR SCOOTER

After planning your route:

- Set the speed adjustment dial to your desired speed.
- Insert the key into the key switch.
- With your hands on the handgrips, use your thumb to push the right side of the throttle control lever to disengage the brakes and move forward; the electric brake automatically disengages and your 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.
- Pull on the right handgrip to steer your Scooter to the right.
- Move the tiller to the center 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.
- To move in reverse, use your thumb to push the left side of the throttle control lever to disengage the brakes and move rearward.

VI. OPERATION

GETTING OFF OF YOUR SCOOTER

- Bring your Scooter to a complete stop.
- Make certain that the key is removed from the key switch.
- Push down on the seat lock lever and rotate the seat until you are facing toward the side of your Scooter.
- Make certain that the seat is locked securely in position.
- Carefully get out of the seat and stand to the side of your Scooter.
- You may, if you wish, leave the seat facing to the side to facilitate boarding your Scooter the next time you are going to operate it.

VII. COMFORT ADJUSTMENTS

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

TILLER ANGLE ADJUSTMENT

You can adjust the tiller to any number of positions between the forward stop and the scooter deck. The tiller adjustment lever keeps the tiller in place.

1. Push down on the tiller adjustment lever. See figure 9.
2. Move the tiller to a comfortable position.
3. Release the tiller adjustment lever. The tiller remains in the position you selected.

Figure 9. Tiller Angle Adjustment

NOTE: In order to lower the tiller to the scooter deck, you must first remove the seat and both batteries. See VIII. "Disassembly and Assembly."

SEAT HEIGHT ADJUSTMENT

The seat can be repositioned to one of three different heights. See figure 10.

1. Remove the seat and rear shroud from your Scooter. See VIII. "Disassembly and Assembly."
2. Use the attached ring to pull and remove the ball detent pin from the seat post tower.
3. Raise or lower the seat post to the desired seat height.
4. Hold the seat post at that height and match up the locating holes in the seat post with those in the seat post tower.
5. Fully insert the ball detent pin.

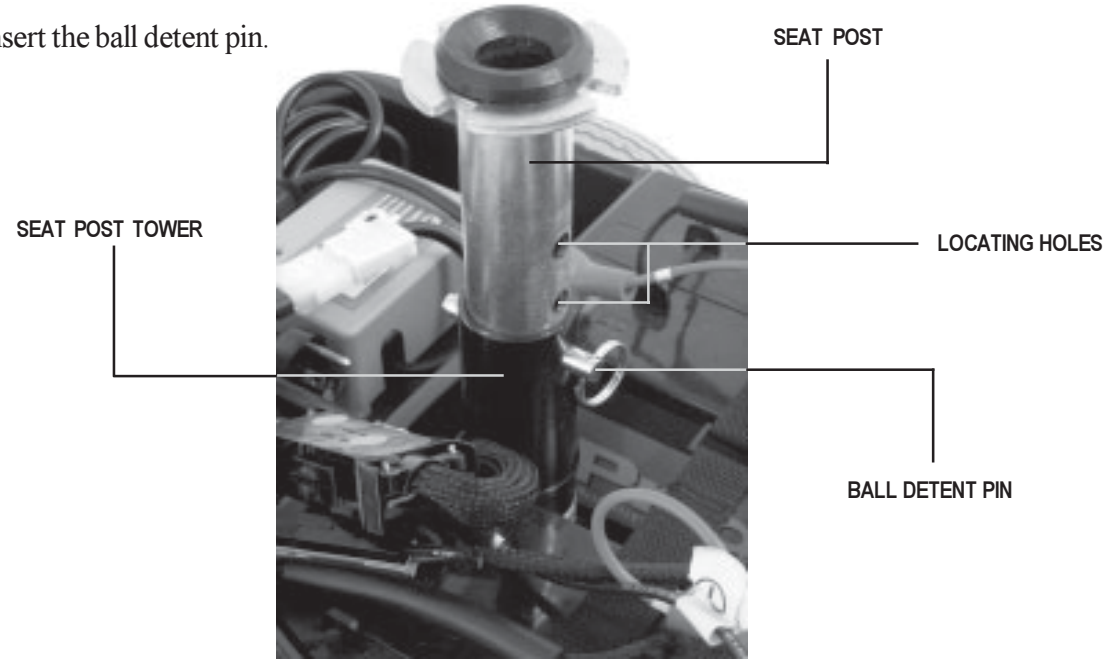


Figure 10. Seat Height Adjustment

6. Replace the seat.

POWER SEAT ACTUATOR (OPTIONAL)

Your Scooter may be equipped with a power seat actuator. The actuator raises and lowers the seat automatically. See figure 11.

WARNING! The power seat actuator is intended for operation only while the vehicle is stationary and on a level surface. Its purpose is to aid you in reaching objects. Strict adherence to the following safety rules is vital to your safety:

- **Do not attempt to raise or lower the seat while in motion!**
- **Do not operate your Scooter with the power seat elevated!**

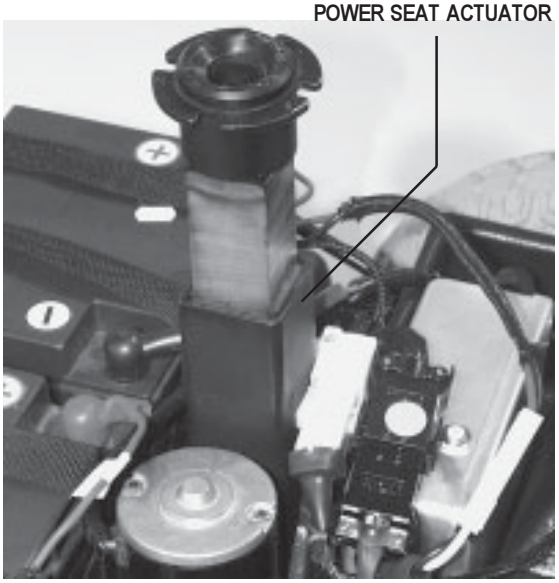


Figure 11. Power Seat Actuator

We recommend you drive the vehicle only with the seat in the lowest position.

Operating Your Power Seat

1. Ensure your Scooter is level and stationary.
2. Toggle on the power seat switch.
3. To raise the power seat, place your hands on the handgrips and use your thumb to push the right side of the control lever.
4. Release the lever when you have attained your desired height.
5. To lower the power seat, place your hands on the handgrips and use your thumb to push the left side of the control lever.
6. Release the control lever when you have attained your desired height.
7. Ensure your seat is in the lowest position and toggle off the power seat switch before you attempt to drive your Scooter again.

FRONT-TO-BACK SEAT ADJUSTMENT

You can reposition the Sundancer's seat forward or rearward. See figure 12.

1. Remove the seat from your Scooter. See VIII. "Disassembly and Assembly."
2. Use a 7/16-in. wrench to remove the seat position adjustment screws.
3. Reposition the seat base on the seat and reinstall the seat position adjustment screws.
4. Reinstall the seat.

ARMREST WIDTH ADJUSTMENT

The armrest width of your Sundancer can be adjusted inward or outward. See figure 12.

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

NOTE: The armrests also pivot upward to make getting on and off your Scooter easier.

SEAT ROTATION

The seat lock lever locks the seat in one of four positions. See figure 12.

1. Push down 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. If the seat is not locked into position, gently rock

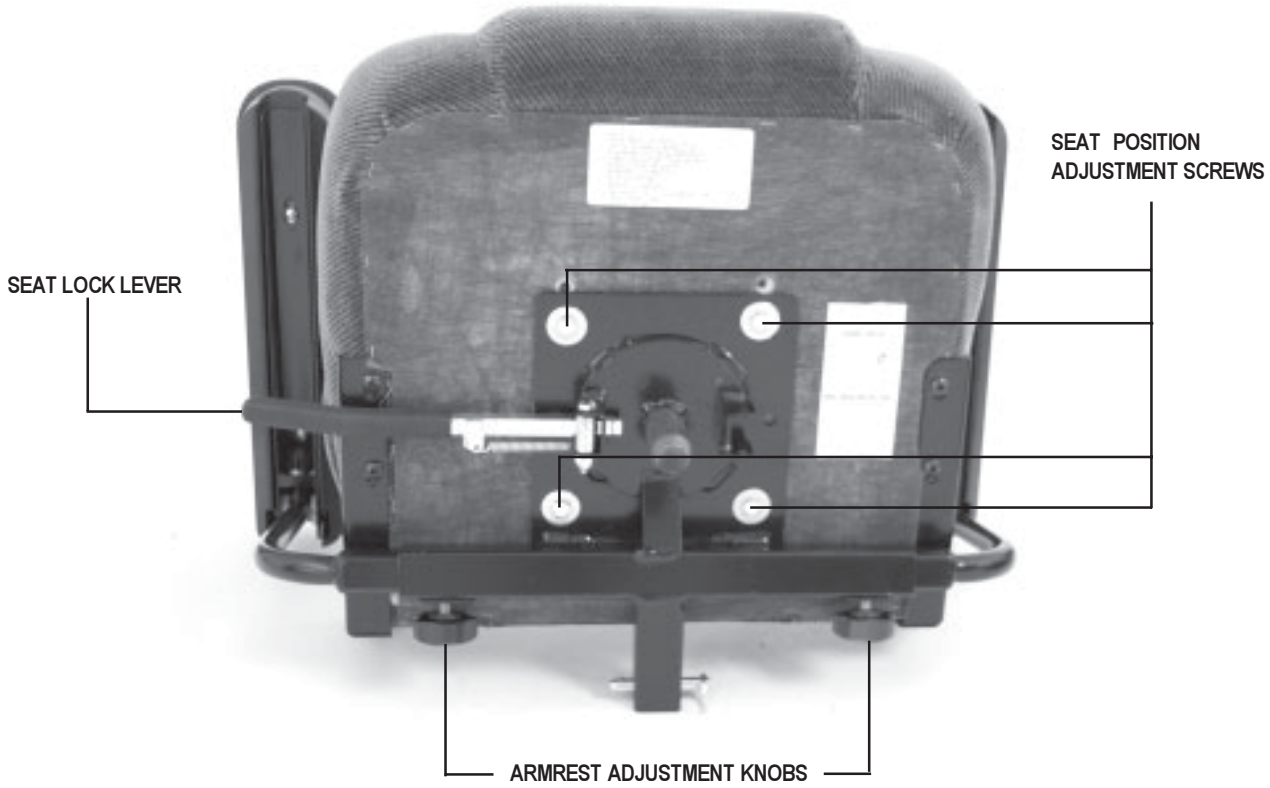


Figure 12. Seat and Armrest Adjustment

the seat back and forth until you hear the lever click.

No tools are required to disassemble or assemble your Scooter. 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 unit.

DISASSEMBLY

You can disassemble your Sundancer into seven or eight pieces: the seat, the front section, the front basket, the rear section, the rear shroud, and the two batteries; you can also remove the utility tray from the rear section, if necessary. Place your Scooter in an area where you have sufficient clearance to move the parts around. You need approximately 1,5 meters in all directions. You may need assistance to lift some of the Scooter components. See III. "Specifications" for individual component weights.

1. Place the freewheel lever in the drive (down) position.
2. Ensure the seat is locked into position; then lift the seat up and off of your Scooter.
3. Gently lift the rear shroud off of your Scooter. If your Scooter is equipped with rear lights, you will not be able to fully remove the rear shroud until you perform step 4.
4. Unplug the rear light harness, if so equipped.
5. Unplug the large, white front-to-rear connector that attaches the front control console harness to the utility tray. See figure 13.
6. Unfasten the battery tie-down strap, unplug both battery harnesses, and lift both batteries off of the Scooter. See figures 14, 15, and 16.

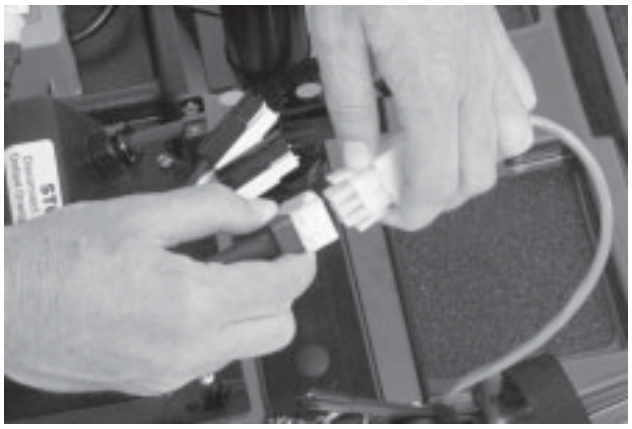


Figure 13. Unplug Front-to-rear Connector

CAUTION! Failure to unplug both battery harnesses and the control console harness prior to

Figure 14. Unfasten Battery Tie-down Strap

Figure 15. Unplug Battery Harnesses

Figure 16. Lift Batteries

disassembly could result in permanent damage to your Sundancer.

7. If you plan to remove the utility tray, disconnect the 6-pin motor harness plug. See figure 17. If you do not plan to remove the utility tray, go to step 9.
8. Lift up and remove the utility tray (optional) if you want to decrease the weight of the rear component.
9. Pull up on and remove the front basket.
10. Grab the handle grip on the tiller, push down on the tiller adjustment lever, and gently lower the tiller down to the center of the Scooter chassis until it is fully lowered.
11. Push the cam lock levers forward and remove the ball detent pins. See figures 18 and 19.

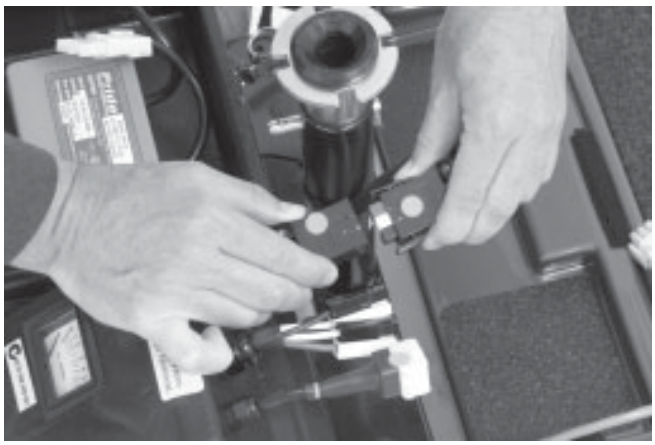


Figure 17. Disconnect Motor Harness Plug

Figure 18. Push Cam Lock Levers Forward

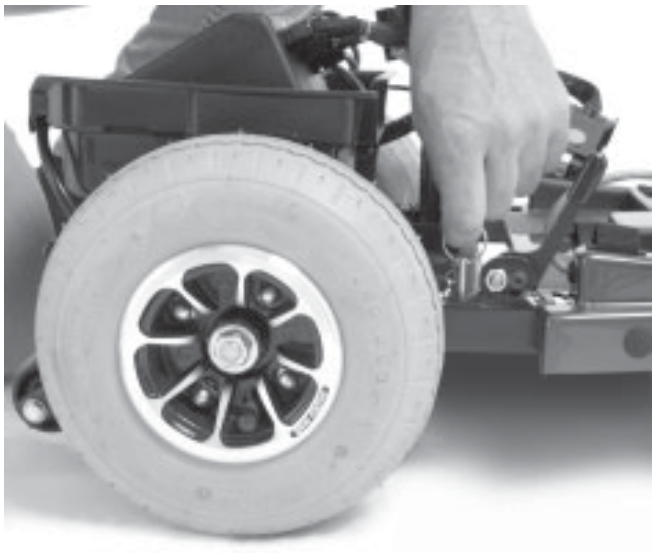


Figure 19. Remove Ball detent pins

Figure 20. Separate Front and Rear Sections

12. Separate the front section from the rear section. See figure 20.

ASSEMBLY

1. Place the freewheel lever in the drive (down) position.
2. Position the front and rear sections next to each other.
3. Tilt the rear end to a horizontal position and insert the longer tube of the front end into the rear section first; make sure that the cam lock levers are vertically positioned and the locking pins are removed.
4. Slide the two sections of the unit together until the front half reaches its insertion limit.
5. Secure the front and rear sections with the ball detent pins.
6. Ensure the tiller is in an upright position.
7. Push the cam lock levers back to their locked (down) position.
8. Clip the front basket onto the front of the tiller.
9. If you removed the utility tray from the rear component, replace the tray by aligning the reusable fasteners on the utility tray with those on the rear component; gently press down on the utility tray to ensure it is secure.
10. Plug the large, white, front-to-rear connector located on the harness coming from the front section into the mating plug found on the electronic controller module. The two orange dots present on both plugs should be adjacent to each other and enable quick plug mating.
11. Put the batteries in place and plug both 2-pin battery harnesses into the adjoining harnesses that are also located on the electronic controller module. Refasten the battery tie-down strap.
12. If you removed the utility tray from the rear component, connect the 6-pin motor harness plug.
13. Gently place the rear shroud over the seat post tower.
14. Connect the rear light harness, if so equipped. Make sure that the rear plastic shroud does not make any contact with the rear wheels.
15. Slide the shroud down in place.
16. Carefully lift the seat and slide the small seat pedestal (on the seat bottom) into the seat post tower.

17. Rotate the seat until it locks into place.

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 module and to the battery terminals.** ■ **Ensure the front-to-rear harness connector is firmly connected.**
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. (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 transaxle is cut.***
My Scooter's main circuit breaker trips repeatedly.	**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 authorized 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 meter dips way down and the motor surges or hesitates when I press the throttle control lever.	**One of the following actions may eliminate the problem.** ■ **Fully charge your Scooter's batteries.** ■ **Have your authorized Pride provider load test each battery.** ■ **Obtain a battery load tester at most any automotive parts store; follow the directions supplied with the load tester.**

If you experience any problems with your Scooter that you are not able to solve, immediately contact your authorized Pride provider for information, maintenance, and service.

X. 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 authorized Pride provider.

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

TYRE PRESSURE:

- We recommend you maintain the tyre pressure at 30 psi for optimum Scooter performance; 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 the tyres to preserve them.
- Do not put rubber conditioner on tread area of tyres; the tyres may become dangerously slippery.

EXTERIOR SURFACES:

- Bumpers and trim benefit from an occasional application of rubber or vinyl conditioner.
- Do not use rubber or vinyl conditioner on your Scooter's vinyl seat or floormat; they may become dangerously slippery.

BATTERY TERMINAL CONNECTIONS:

- Ensure the terminal connections remain tight and uncorroded.
- Ensure the batteries sit flat in the battery wells.
- Ensure the battery terminals face the rear of your Scooter.

WIRING HARNESSES:

- Regularly check all wiring connections.
- Regularly check all wiring insulation, including the charger power cord, for wear or damage.
- Have any damaged connector, connection, or insulation replaced or repaired by an authorized Pride service technician before you use your Scooter.

ABS PLASTIC SHROUDS:

- Apply a light coat of car wax to the shrouds to help retain their high gloss; the shrouds are formed from durable ABS plastic and are coated with an advanced formula urethane paint.

AXLE BEARINGS AND THE MOTOR/TRANSAXLE ASSEMBLY:

- You do not need to lubricate these items, as they are all prelubricated and sealed.

CONTROL CONSOLE, CHARGER, AND ELECTRONIC CONTROLLER MODULE:

- Keep these areas away from moisture.
- Let any of these areas dry thoroughly before operating your Scooter if they have been exposed to moisture.

STORAGE:

XI. WARRANTY

■ Refer to "How should I store my Sundancer and its batteries?" in V. "Batteries and Charging."

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 authorized 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, and batteries), 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 six (6) month warranty from the original manufacturer.

Gradual deterioration in performance due to being left in a discharged state, left 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 authorized Pride provider. Please contact your authorized Pride provider for advice on the current cost affecting the service visit.