



# SAFETY GUIDELINES

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



**WARNING!** Failure to follow designated procedures can cause either personal injury, component damage, or malfunction (black symbol on yellow triangle with black border).



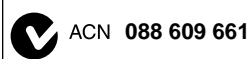
**MANDATORY!** These actions should be performed as specified. Failure to perform mandatory actions can cause injury to personnel and/or damage to equipment (white symbol on blue dot).



**PROHIBITED!** These actions should be prohibited. These actions should not be performed at any time or in any circumstances. Performing a prohibited action can cause injury to personnel and/or damage to equipment (black symbol with red circle and red slash).

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This product is manufactured by:  
Pride Mobility Products Corporation  
182 Susquehanna Avenue  
Exeter, PA 18643  
USA



Pride Mobility Products Australia Pty. Ltd.  
INFMANU1943/Rev C/October 2005

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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.

# I . I N T R O D U C T I O N

## INTRODUCTION

WELCOME to Pride Mobility Products Corporation (Pride). The power chair you have purchased combines state-of-the-art components with **safety**, comfort, and styling in mind. We are confident that these design features will provide you with the conveniences you expect during your daily activities. Once you understand how to **safely** operate and care for your power chair, it should give you years of trouble free operation and service.

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

If there is any information in this manual which you do not understand, or if you require additional assistance for setup or operation, please contact your authorised Pride Provider. **Failure to follow the instructions in this manual and those located on your power chair can lead to personal injury and/or damage to the power chair, including voiding the warranty.**

## PURCHASER'S AGREEMENT

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

## 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 power chair, and about the service you received from your authorised 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 power chair. Please feel free to contact us at the address below:

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

# I . I N T R O D U C T I O N

**My Authorised Pride Provider Is:**

Name: \_\_\_\_\_

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

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

Purchase Date: \_\_\_\_\_

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

# II. SAFETY

## SAFETY



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

Your power chair 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 power chair user. Please be aware that the final selection and purchasing decision regarding the type of power chair to be used is the responsibility of the power chair 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 power chair to the user and has assisted the prescribing healthcare professional and/or the authorised Pride Provider in the instruction process for the use of the product.

There are certain situations, including some medical conditions, where the power chair user will need to practice operating the power chair 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 power chair user in various daily living activities.

As you begin using your power chair 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 of lifts, up and down ramps, and over moderate terrain.

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

### Modifications

Pride has designed and engineered your power chair to provide maximum mobility and utility. A wide range of accessories is available from your authorised Pride Provider to further customise your power chair 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 power chair.



**WARNING!** Do not modify your power chair in any way not authorised by Pride. Unauthorised modifications may result in personal injury and/or damage to your power chair.

### Pre-Ride Safety Check

Get to know the feel of your power chair and its capabilities. Pride recommends that you perform a safety check before each use to make sure your power chair operates smoothly and safely.

#### Perform the following inspections prior to using your power chair:

- Check for proper tyre inflation. Maintain but do not exceed **2.4 bar (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 power base. Make sure they are secured properly.
- Check the brakes. See VIII. "Care and Maintenance."
- Check battery charge. See VII. "Batteries and Charging."

# II. SAFETY

**NOTE:** *If you discover a problem, contact your authorised Pride Provider for assistance.*

## Weight Limitations

Your power chair is rated for a maximum weight capacity. Please refer to the specifications table for this limit.



WARNING! Exceeding the weight capacity voids your warranty and may result in personal injury and/or damage to your power chair. 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 power chair. Carrying passengers on your power chair may result in personal injury and/or property damage.

## Tyre Inflation

If your power chair is equipped with pneumatic tyres, you should check or have the air pressure checked regularly. Proper inflation pressures will prolong the life of your tyres and help ensure the smooth operation of your power chair.



WARNING! It is important that 2.4 bar (35 psi) tyre pressure be maintained in pneumatic tyres at all times. Do not underinflate or overinflate your tyres. Low pressure may result in loss of control, and overinflated tyres may burst. Failure to maintain 2.4 bar (35 psi) tyre pressure in pneumatic tyres at all times may result in tyre and/or wheel failure, causing serious personal injury and/or damage to your power chair.

WARNING! Inflate your power chair drive tyres from a regulated air source with an available pressure gauge. Inflating your tyres from an unregulated air source could overinflate them, resulting in a burst tyre and/or personal injury.

WARNING! When changing a tyre, remove only the centre lug nut, then remove the tyre. If any further disassembly is required, deflate the tyre completely or it may explode, possibly resulting in personal injury.

## Incline Information

More and more buildings have ramps with specified degrees of inclination, designed for easy and safe access. Some ramps may have turning switchbacks (180-degree turns) that require you to have good cornering skills on your power chair.

- Proceed with extreme caution as you approach the downgrade of a ramp or other incline.
- Take wide swings with your power chair's front wheels around any tight corners. If you do that, the power chair'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 power chair's speed adjustment set to the slowest speed setting to ensure a safely controlled descent. See VI. "Operation."
- Avoid sudden stops and starts.

# II. SAFETY

When climbing an incline, try to keep your power chair moving. If you must stop, start up again slowly and then accelerate cautiously. When driving down an incline, set your power chair to the slowest setting and drive in the forward direction only. If your power chair starts to move down the incline faster than you anticipated or desired, allow it to come to a complete stop by releasing the joystick, then push the joystick 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 power chair 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 power chair in freewheel mode while seated on it or standing next to it. Doing so may result in personal injury and/or damage

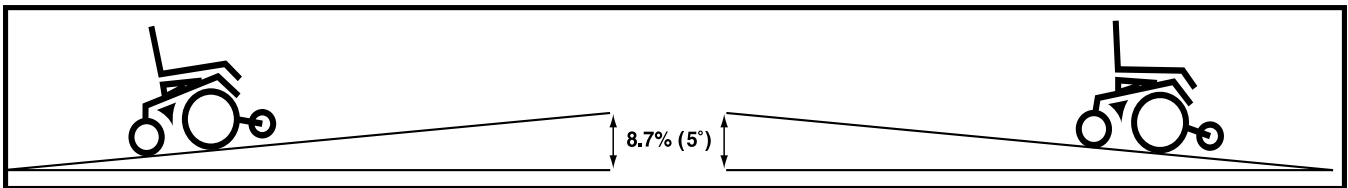
**WARNING!** Never travel down an incline rearwards. This may result in personal injury.

**WARNING!** Even though your power chair is capable of climbing slopes greater than those illustrated in figure 1, do not, under any circumstances, exceed the incline guidelines or any other specifications presented in this manual. Doing so could cause instability in your power chair, resulting in personal injury and/or damage to your power chair.

The grade of most handicap ramps is 8.7% (5°). Therefore, Pride recommends that the maximum grade of an incline you attempt to safely ascend or descend on your power chair does not exceed 8.7% (5°). See figure 1.



**WARNING!** Any attempt to climb or descend a grade steeper than 8.7% (5°) may put your power chair in an unstable position and cause it to tip, resulting in personal injury.



**Figure 1. Maximum Safe Slope (Ascending and Descending)**

## Braking Information

Your power chair is equipped with two powerful brake systems:

1. Regenerative — uses electricity to rapidly slow the vehicle when the joystick returns to the centre/stop position.
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.



# II. SAFETY

## Cornering Information

While your power chair is equipped with rear caster wheels and front anti-tip wheels, excessively high cornering speeds can still create the possibility of tipping. Factors which affect the possibility of tipping include, but are not limited to, cornering speed, steering angle (how sharply you are turning), uneven road surfaces, inclined road surfaces, riding from an area of low traction to an area of high traction (such as passing from a grassy area to a paved area—especially at high speeds 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 power chair from tipping.



**WARNING!** When cornering sharply, reduce your speed. This greatly reduces the possibility of a tip or fall. To avoid personal injury and/or property damage, always exercise common sense when cornering.

## Outdoor Driving Surfaces

Your power chair is designed to provide optimum stability under normal driving conditions—dry, level surfaces composed of concrete, blacktop, or tarmac. However, Pride recognises that there will be times when you will encounter other surface types. For this reason, your power chair is designed to perform admirably on packed soil, grass, and gravel. Feel free to use your power chair safely on lawns and in park areas.

- Reduce your power chair's speed when driving on uneven terrain and/or soft surfaces.
- Avoid tall grass that can entangle the running gear.
- Avoid loosely packed gravel and sand.
- If you feel unsure about a driving surface, avoid that surface.

## Freewheel Mode

Your power chair is equipped with two manual freewheel levers to allow for manual maneuverability by a trained attendant. For more information about how to place your power chair into and out of freewheel mode, see III. "Your Power Chair."

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



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

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

# II. SAFETY

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

Proceed with extreme caution when driving near raised surfaces, unprotected ledges, and/or drop-offs (kerbs, porches, stairs, etc.). The correct method for approaching a kerb is illustrated in figure 2.



WARNING! Do not attempt to have your power chair climb or descend an obstacle that is higher than 5 cm unless you have the assistance of an attendant.

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

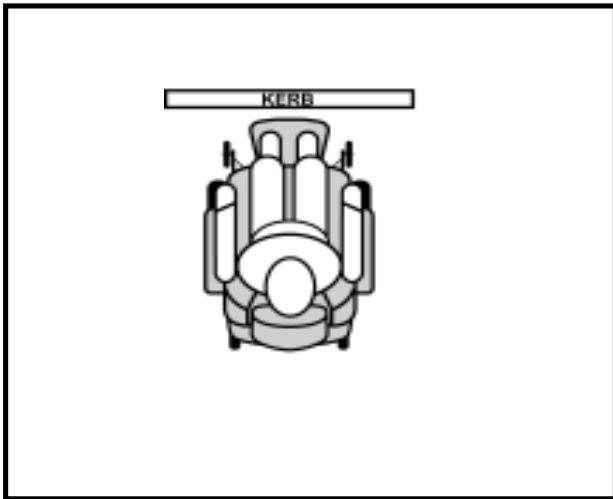


Figure 2. Correct Kerb Approach



Figure 3. Incorrect Kerb Approach

## Public Streets and Roadways



WARNING! You should not operate your power chair on public streets and roadways. Be aware that it may be difficult for traffic to see you when you are seated on your power chair. Obey all local pedestrian traffic rules. Wait until your path is clear of traffic, and then proceed with extreme caution.

## Stairs and Escalators

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



WARNING! Never use your power chair to negotiate steps or escalators. You may cause injury to yourself and to others and/or damage your power chair.

## Doors

- Determine if the door opens toward or away from you.
- Drive your power chair gently and slowly forward to push the door open. Or drive your power chair gently and slowly rearward to pull the door open.

## Lift/Elevation Products

If you will be traveling with your power chair, you may find it necessary to use a lift/elevation product to aid in transportation. Pride recommends that you closely review the instructions, specifications, and safety information set forth by the manufacturer of the lift/elevation product before using that product.

# II. SAFETY

## Lifts

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

- If you are in the doorway of a lift when the door(s) begin to close, push on the rubber door edge or allow the rubber door edge to contact the power chair and the door will reopen.
- Use care that handbags, packages, or power chair accessories do not become caught in lift doors.

## 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 joystick contact. This will also eliminate the possibility of unintended chair movement from electromagnetic (EM) sources. Failure to do so may result in personal injury.

## Motor Vehicle Transport

Although your power chair may be equipped with a positioning belt, this belt was not designed with the intent of providing proper restraint during motor vehicle transport. Anyone traveling in a motor vehicle should be properly secured in his/her seat with seat belts approved by the vehicle manufacturer. Make sure to secure or remove the batteries before loading your power chair into a motor vehicle for transport.



WARNING! Do not sit on your power chair while it is in a moving vehicle. Personal injury and/or property damage may result.

WARNING! Always be sure your power chair 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 power chair.

## Positioning Belts

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



WARNING! If you require a positioning belt to safely operate your power chair, make sure it is fastened securely. Serious personal injury may result if you fall from the power chair.

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

## Inclement Weather Precautions

Exposure of your power chair to inclement weather conditions should be avoided whenever possible. If suddenly caught up in rain, snow, severe cold, or heat while operating your power chair proceed to shelter at the earliest opportunity. Thoroughly dry your power chair before storing, charging, or operating your power chair.



WARNING! Rain, snow, salt, mist/spray, or icy/slippery conditions can cause serious injury and/or damage to the power chair and the electrical system. Exposure to the weather elements should be avoided whenever possible. Use extreme care when driving at all times. Maintain and store your power chair in a dry and clean condition.

## II. SAFETY

### Transfers

Transferring onto and off of your power chair requires a good sense of balance. Always have an attendant or health-care professional present while learning to properly transfer yourself.

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

- Turn off the power to the controller. See VI. “Operation.”
- Ensure your power chair is not in freewheel mode. See III. “Your Power Chair.”
- Turn both caster wheels toward the transfer destination to improve power chair stability during transfer.
- Make sure both armrests are flipped up or removed from your power chair.
- Flip up the foot platform or move the leg rests aside; this will help to keep your feet from getting caught on the foot rigging during the transfer.
- Reduce the distance between your power chair and the object you are transferring onto.

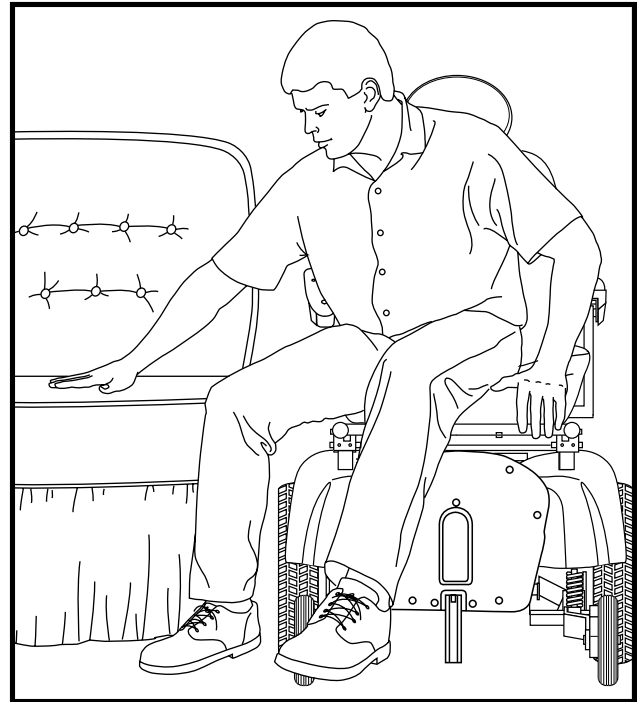


Figure 4. Ideal Transfer Position

**WARNING!** Before transferring, position yourself as far back as possible in the power chair seat to prevent the power chair from tipping forward during transfer and causing injury.



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

**WARNING!** Avoid putting all of your weight on the foot riggings. Such use may cause the power chair to tip and cause personal injury.

### Reaching and Bending

Never reach, lean, or bend while driving your power chair. If it is absolutely necessary to reach, lean, or bend while seated on your power chair, it is important to maintain a stable centre of gravity and keep the power chair from tipping. Pride recommends that the power chair 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 power chair. This may cause your power chair to tip, possibly resulting in personal injury.

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

# II. SAFETY

## Batteries

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

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



WARNING! Power chair batteries are heavy. See specifications table. If you are unable to lift that much weight, be sure to get help. Lifting beyond your capacity can result in personal injury.

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.

## Battery Disposal and Recycling

If you encounter a damaged or cracked battery, immediately enclose it in a plastic bag and call your authorised Pride Provider for instructions on disposal. Your authorised Pride Provider will also have the necessary information on battery recycling, which is our recommended course of action.

## Prescription Drugs/Physical Limitations

Users must exercise care and common sense when operating a power chair. 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 power chair in a safe manner.

## Alcohol

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



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

## Removable Parts



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

## Electromagnetic and Radio Frequency Interference (EMI/RFI)



WARNING! Laboratory tests have shown that electromagnetic and radio frequency waves can have an adverse affect on the performance of electrically-powered mobility vehicles.

Electromagnetic and Radio Frequency Interference can come from sources such as cellular phones, mobile two-way radios (such as walkie-talkies), radio stations, TV stations, amateur radio (HAM) transmitters, wireless computer links, microwave signals, paging transmitters, and medium-range mobile transceivers used by emergency vehicles. In some cases, these waves can cause unintended movement or damage to the control system. Every electrically-powered mobility vehicle has an immunity (or resistance) to EMI. The higher the immunity level, the greater the protection against EMI. This product has been tested and has passed at an immunity level of 20 V/m.

## II. SAFETY

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



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

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

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

# III. YOUR POWER CHAIR

## THE JET 2

The Jet 2 has two main assemblies: the seat and the power base. See figure 5. Typically, the seating assembly includes the armrests, seatback, and a controller.

The power base assembly includes two drive wheels, two anti-tip wheels, two rear caster wheels, a body shroud, and foot rigging.

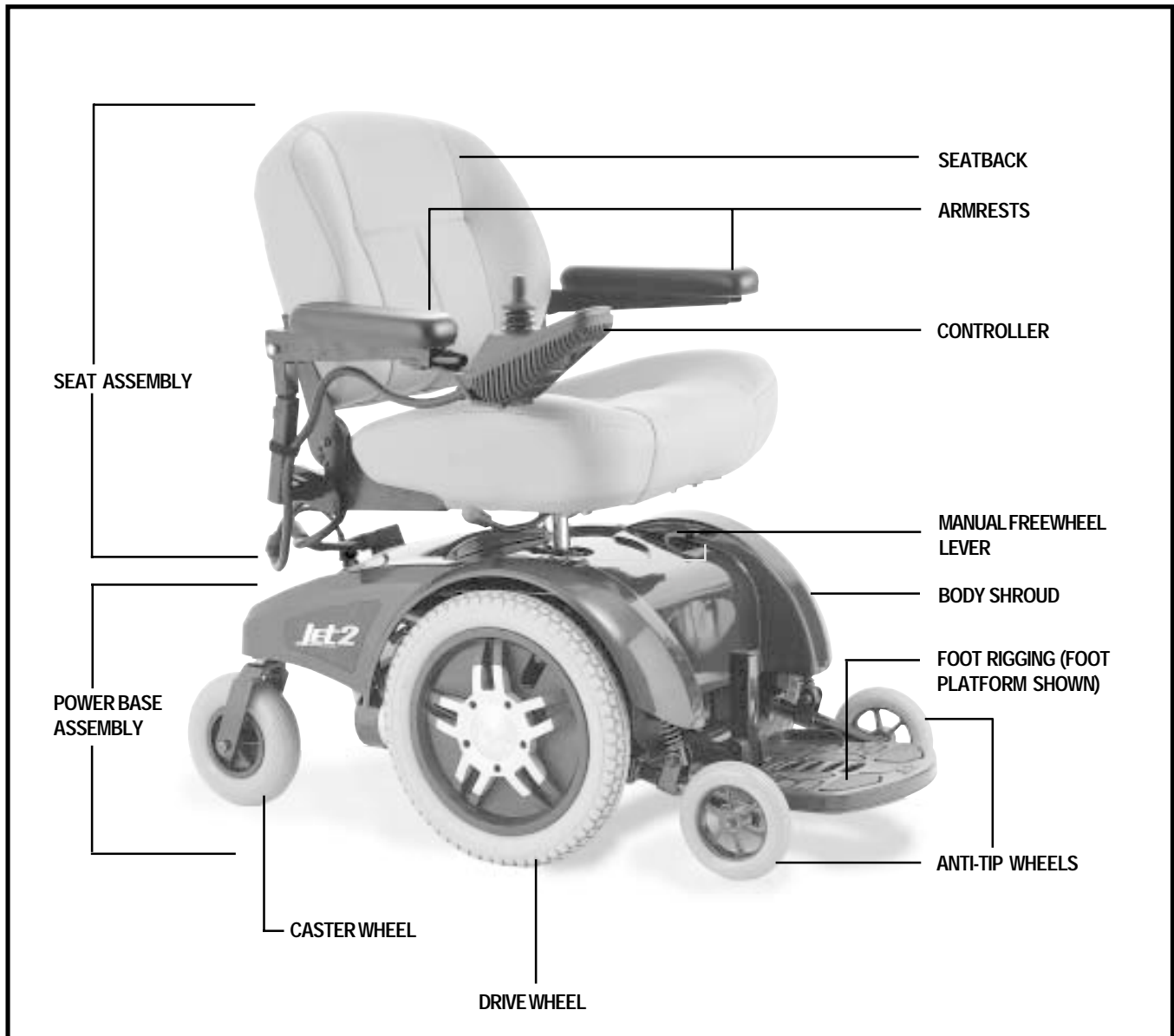


Figure 5. The Jet 2

# III. YOUR POWER CHAIR

SPECIFICATIONS	
Class of Use:	B
Suspension:	Limited
Drive Wheels:	35.5 cm solid, centre-mounted tyres (pneumatic tyres are optional)
Caster Wheels:	20 cm solid, rear articulating
Anti-tip Wheels:	15 cm solid, front mounted
Maximum Speed:	Up to 7 km/h
Brakes:	"Intelligent Braking" electronic regenerative, disc park brake
Ground Clearance:	7.6 cm
Maximum Safe Slope:	8.7% (5°)
Maximum Climbing Ability:	8.7% (5°)
Maximum Obstacle Climbing Ability:	5 cm
Turning Radius:	49.5 cm
Overall Size:	Length: 96.5 cm Width: 60 cm
Seating Options:	Medium Back (standard) High Back with headrest
Drivetrain:	Two motor, mid-wheel
Batteries:	12V, NF-22 batteries
Range:	Up to 40 km*
Battery Charger:	4-amp Onboard (standard) 4-amp Off-board
Motor Controller:	50-amp PG Drive VSI
Weight Capacity:	136 kg**
Component Weights:	Base: 43.5 kg Seat: 16.5 kg Batteries: 17 kg

\*Depending on user weight and terrain.

\*\* This power chair has been successfully tested to a maximum user weight capacity of 100 kg in order to comply with Australian testing standards. Additionally, the power chair manufacturer has successfully tested the power chair to a maximum weight capacity of 136 kg. Further information regarding the performance attributes and testing results of the power chair may be obtained by submitting a written request to Pride Mobility Products Australia Pty. Ltd., Attn.: Technical Services.



# III. YOUR POWER CHAIR

## Electrical Connectors and Components

The electrical connectors and components are located on the back of your power chair. See figure 6.

**Charger Power Lead Receptacle:** This is where your charger power lead plugs into the power base. The charger power lead is not attached to the unit at all times. For more information, see VII. “Batteries and Charging.”

**Ammeter:** The ammeter displays the charger’s current output in amps. For more information, see VI. “Batteries and Charging”.

**9-pin Controller Harness Connector:** This is where the controller connects to the motors, batteries, and brakes.

**Charger Inhibit Connector:** Your power chair is equipped with a charger inhibit connector. The charger inhibit connector enables the onboard charger to disable the controller during charging. The charger inhibit connector is coded with coloured dots. The dots are positioned so that you can align the flat side of the male connector with the flat side of the female connector before making the connection.



WARNING: Failure to properly align the connectors can result in damage to the controller, the charger, and the connectors.

**Main Circuit Breaker:** The main circuit breaker is a safety feature built into your power chair. When the batteries and the motors are heavily strained (e.g., from excessive loads), the main circuit breaker will trip to prevent damage to the motors and the electronics. If the circuit trips, allow your power chair to “rest” for approximately one minute. Then, push in the circuit breaker button, turn on the controller power, and continue normal operation. If the main circuit breaker continues to trip repeatedly, contact your authorised Pride Provider

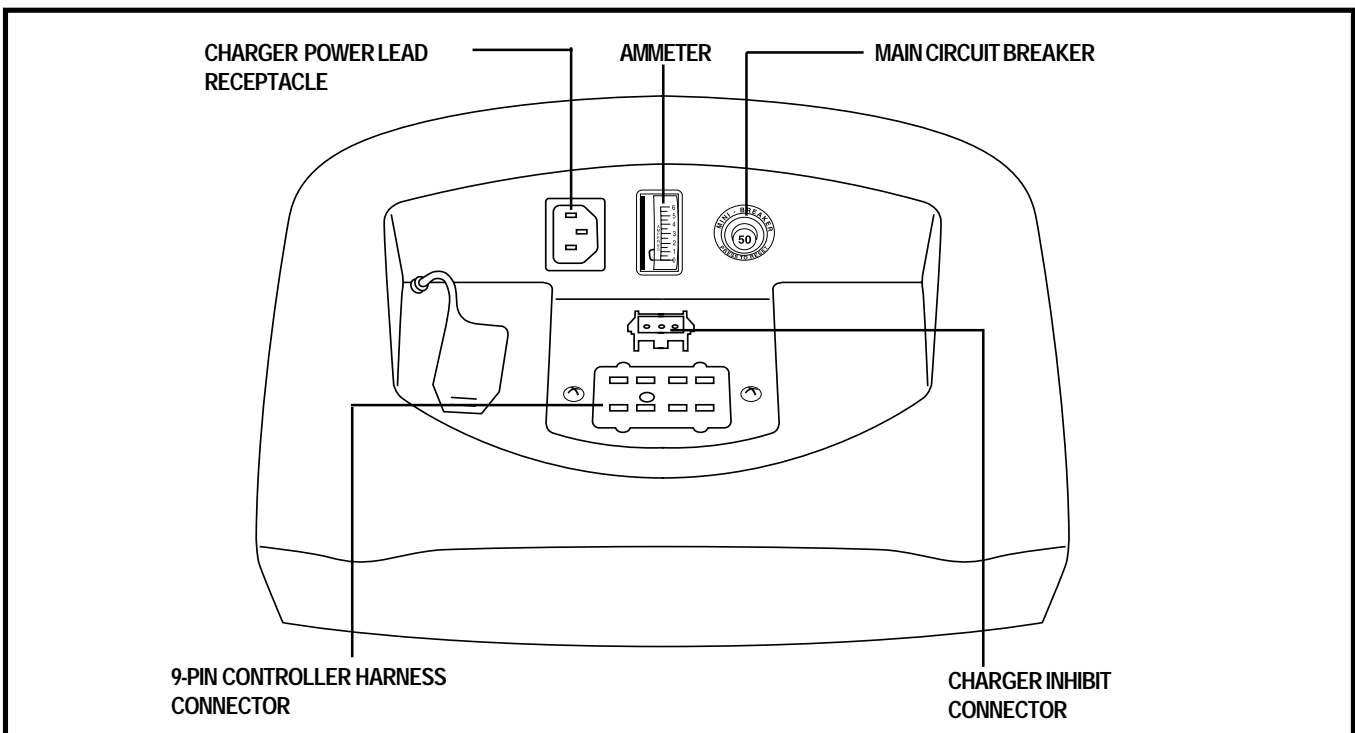


Figure 6. Electronics Tray

# III. YOUR POWER CHAIR

## Manual Freewheel Levers

For your convenience, your power chair is equipped with two manual freewheel levers. See figures 7 and 8. These levers allow you to disengage the drive motors and maneuver the chair manually.



**WARNING!** Do not use your power chair while the drive motors are disengaged unless you are in the presence of an attendant! Do not disengage the drive motors when your power chair is on an incline. The chair could roll down on its own, causing injury.

### To engage or disengage the freewheel feature:

1. Turn the manual freewheel levers outward to disengage the drive motors. See figure 7.
2. Turn the manual freewheel levers inward, to engage the drive motors. See figure 8.

If a lever is difficult to move in either direction, rock your power chair back and forth slightly. The lever should then move to the desired position.

**NOTE:** *It is important to remember that when your power chair is in freewheel mode, the braking system is disengaged.*

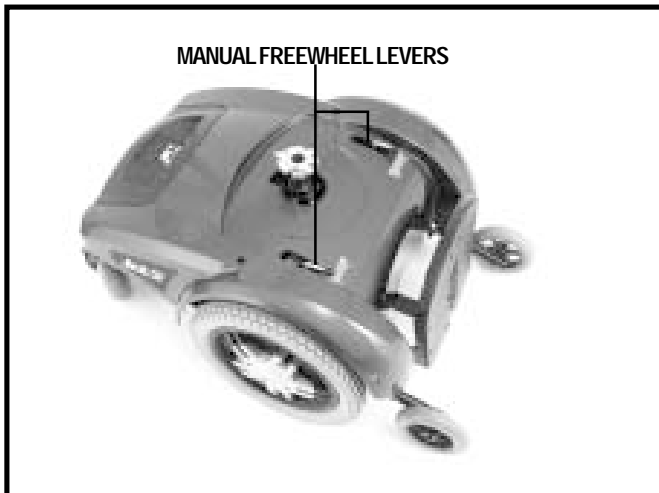


Figure 7. Drive Disengaged

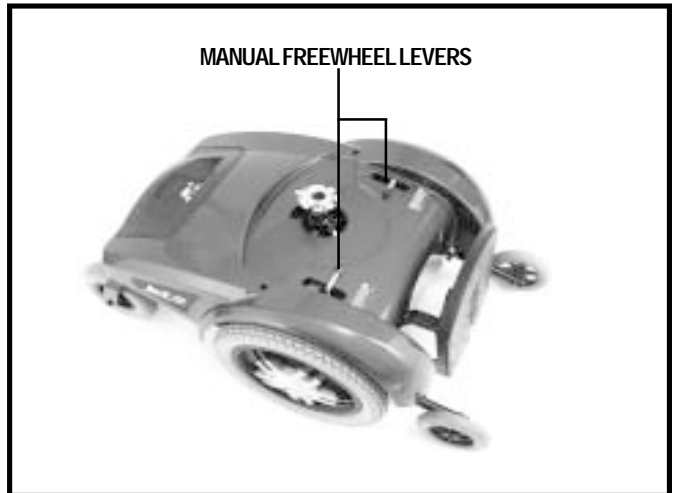


Figure 8. Drive Engaged

# III. YOUR POWER CHAIR

## Manual Park Brakes

Your power chair is equipped with a manual park brake mounted on each drive wheel. The manual park brakes work in conjunction with the electromagnetic brakes to help prevent your power chair's wheels from moving when your power chair is parked. After you release the joystick and your wheels are completely stopped, push the manual park brake lever down to engage it. See figure 9. To disengage the manual park brake, pull the manual park brake lever up. See figure 10.



**WARNING!** Do not attempt to use either manual park brake lever to stop your power chair. Serious injury may result.

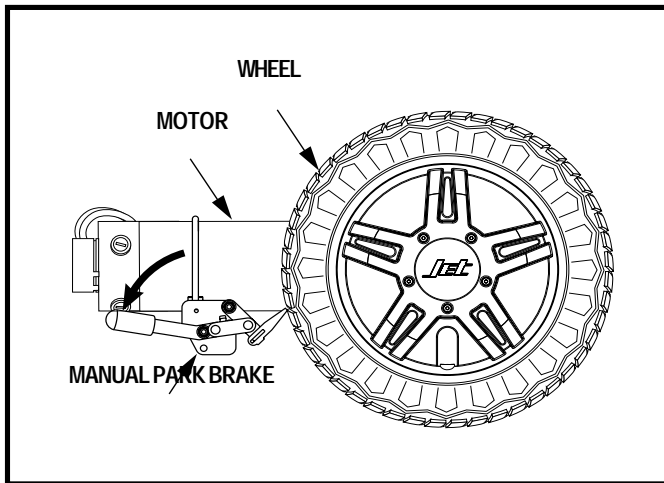


Figure 9. Manual Park Brake Engaged

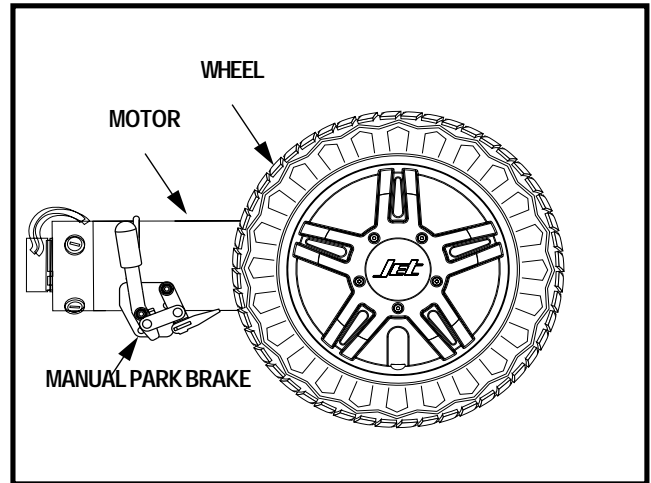


Figure 10. Manual Park Brake Disengaged

# IV. ASSEMBLY

## ASSEMBLY

It may be necessary to install the seat and/or controller either prior to initial operation or after transporting your power chair.



**WARNING!** Do not pick up the seat frame by the armrests. They are free to pivot, and you may lose control of the seat if they do so, resulting in personal injury or damage to your power chair.

### Seat Installation

#### To install the seat:

1. Position the seat base over the seat tower. See figure 11.
2. Push the seat post on the bottom of the seat base into the seat tower until the latch on the seat base engages. See figure 11.
3. Flip up an armrest and loosen the setscrew. See figure 12.
4. Slide the controller bracket into the armrest to the desired position.
5. Tighten the setscrew to secure the controller.
6. Route the controller harness to the rear of the power chair.



**WARNING!** Route the controller harness so that it cannot be pinched in the seat hinge.

7. Plug the controller connectors into the electronics tray. See figures 13 and 14.
8. Secure the controller harness to the armrest receiver with one or more wire ties



Figure 11. Seat Installation

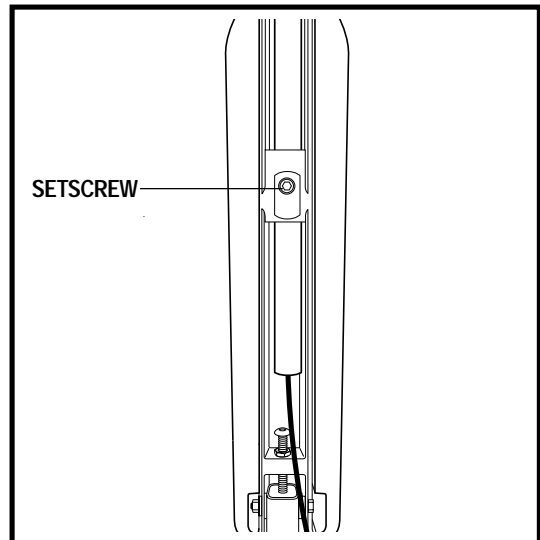


Figure 12. Underside of Armrest



Figure 13. Charger Harness Connector



Figure 14. 9-pin Controller Harness Connector

# V. COMFORT ADJUSTMENTS

## COMFORT ADJUSTMENTS

After you have become familiar with your power chair's operation, you may find the need to adjust the seat. There are some adjustments you can make to increase your comfort such as seat height, armrest width, height and angle, foot platform height and angle, and controller position.



**WARNING!** If your power chair was configured at your authorised Pride Provider, please consult your healthcare professional before changing the seat position or making any other adjustment. Some adjustments may degrade your power chair's performance and safety by changing its centre of gravity.

### Seat Height Adjustment

You can change the seat height by adjusting the position of the seat tower.

#### To change the seat height:

1. Turn off the power to the controller.
2. Disconnect the controller from the electronics tray.
3. Push the lever located under the seat toward the front of the seat. Hold the lever forward, swivel the seat, and pull the seat up and off of the seat tower.
4. Remove the mounting hardware from the seat tower. See figure 15.
5. Raise or lower the tower to the desired position.
6. Reinstall the mounting hardware to secure the seat tower.
7. Reinstall the seat.
8. Reconnect the controller connector(s) to the electronics tray.

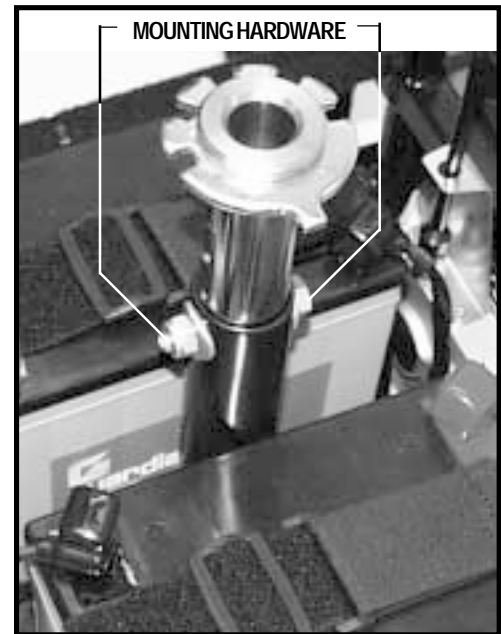


Figure 15. Seat Tower



Figure 16. Armrest Width and Height Adjustment

# V. COMFORT ADJUSTMENTS

## Armrest Width

### To change the armrest width:

1. Locate the two armrest knobs at the rear of the seat frame. See figure 16.
2. Loosen the armrest knobs and slide the armrests in or out for the desired width.
3. Tighten the armrest knobs.

## Armrest Height Adjustment

### To change the armrest height:

1. Locate the two setscrews at the rear of the armrest receivers. See figure 16.
2. Loosen the setscrews, then slide the armrests in or out for the desired width.
3. Tighten the setscrews.

## Armrest Angle Adjustment

You can adjust the armrest angle to fit your specific needs.

### To change the armrest angle:

1. Lift the armrest straight up so that it is perpendicular to the floor.
2. Loosen the locking nut. See figure 17.
3. Turn the screw clockwise to lower the front of the armrest, or turn the screw anticlockwise to raise the front of the armrest.
4. Lock the adjusting screw into place by tightening the locking nut.

## Controller Extension

The controller can easily slide out away from the armrest, or in toward the armrest.

### To extend the controller:

1. Locate the setscrew on the underside of the armrest. See figure 12.
2. Loosen the setscrew.
3. Slide the controlling mounting bracket into or out of the armrest to the desired position.
4. Tighten the setscrew.

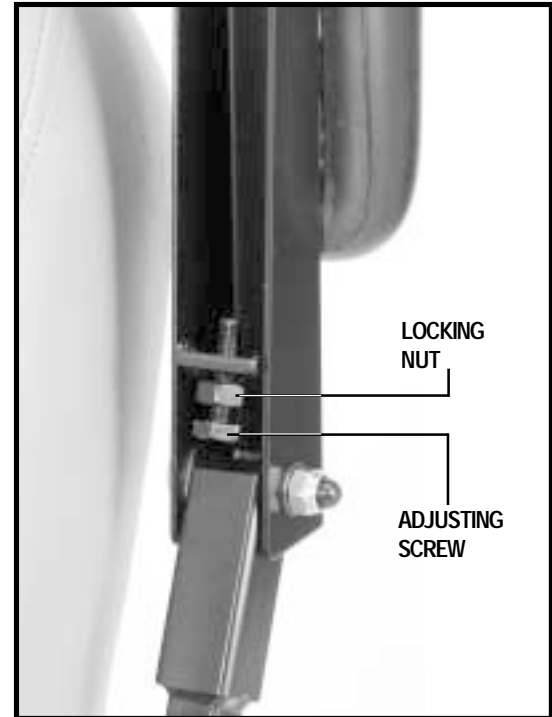


Figure 17. Armrest Angle Adjustment

# V. COMFORT ADJUSTMENTS

## Foot Platform Height Adjustment

The foot platform height is easily adjusted to one of six different heights in 2.5 cm increments.

### To raise or lower the foot platform:

1. Remove the mounting hardware from the foot platform bracket. See figure 18.
2. Raise or lower the foot platform to the desired height.
3. Reinstall the mounting hardware into the foot platform and tighten.

## Foot Platform Angle Adjustment

### To adjust the foot platform angle:

1. Flip up the foot platform. See figure 19.
2. Loosen the nut that locks the setscrew into position.
3. Turn the setscrew clockwise to lower the front of the foot platform.
4. Turn the setscrew anticlockwise to raise the front of the foot platform.
5. Tighten the nut.

## Swing-away Footrests

Swing-away Footrests (SFRs) enable you to rotate the footrests to the side before you transfer onto or off of your power chair. See figure 20.

### To rotate the SFRs:

1. Push in the release lever.
2. Rotate the SFRs.

### To adjust the SFR length:

1. Remove the two adjustment screws from the side of each footrest extension.
2. Slide the footrest up or down to the desired length.
3. Reinstall the two adjustment screws.

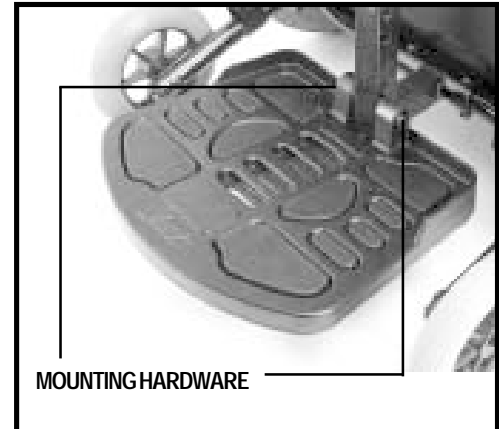


Figure 18. Foot Platform Height Adjustment

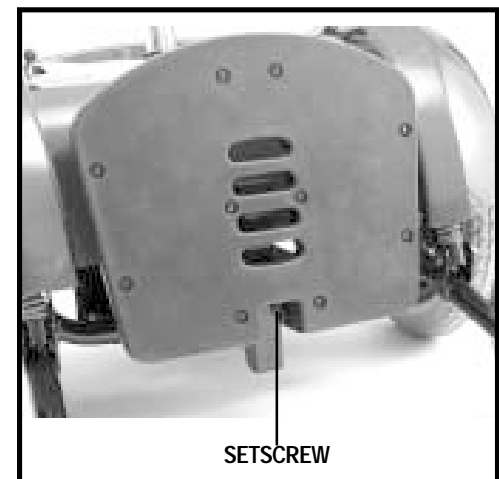


Figure 19. Foot Platform Angle Adjustment

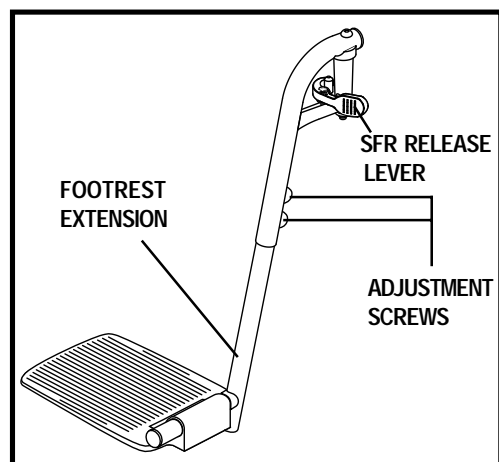


Figure 20. Swing-Away Footrests

# V. COMFORT ADJUSTMENTS

## Elevating Leg Rests

Elevating Leg Rests (ELRs) offer an infinite range of adjustment for the leg angle and a footrest adjustment range of 30-48 cm. See figure 21.

### To rotate the ELRs:

1. Push in release lever A.
2. Rotate the ELRs.

### To adjust the ELR angle:

1. Push down release lever B.
2. Move the leg rest to the desired angle.

### To adjust the ELR length:

1. Remove the two adjustment screws from the side of each leg rest extension.
2. Slide the leg rest up or down to the desired length.
3. Reinstall the two adjustment screws.

## Anti-Tip Wheels

The anti-tip wheels are designed to give your power chair increased stability on rough surfaces. The anti-tip wheels are preset at the factory for smooth surfaces or indoor use only. If you plan on using your power chair on rough surfaces, it may be necessary to adjust the anti-tip wheels to better suit your needs.

The anti-tip wheels may need adjustment if either of the following occur:

- When coming to a stop, your power chair tips forward excessively.
- The anti-tip wheels constantly rub the ground.

WARNING! Consult your authorized Pride Provider before attempting to change the anti-tip wheel height. Changing the anti-tip wheel height affects handling under acceleration.



WARNING! The higher you raise the anti-tip wheels, the more you increase your power chair's tendency to tilt forward while decelerating. You can compensate for this by having your authorized Pride Provider make a small adjustment to the pre-programmed deceleration setting in the controller.



PROHIBITED! Do not remove the anti-tip wheels.

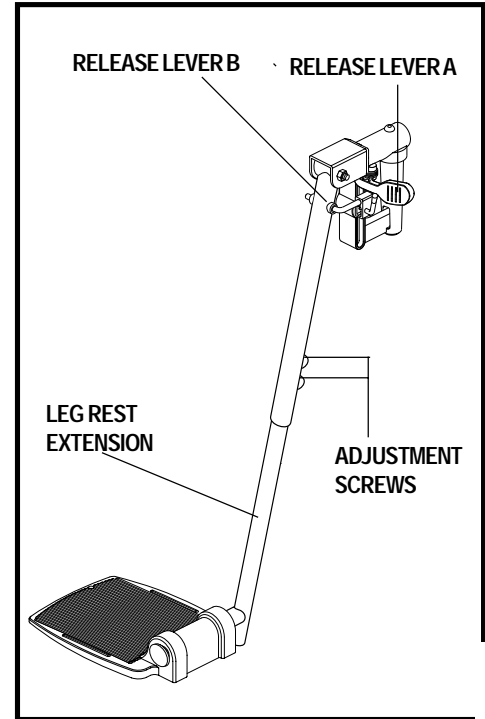


Figure 21. Elevating Leg Rests

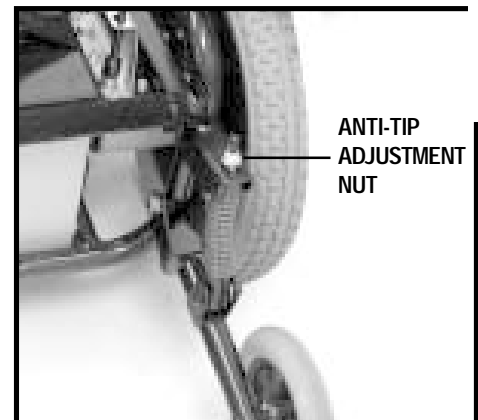


Figure 22. Anti-tip Adjustment



# V. COMFORT ADJUSTMENTS

## **To adjust the anti-tip wheels:**

1. Turn off the power to the controller.
2. Disconnect the controller from the electronics tray.
3. Remove the seat.
4. Remove the two screws that fasten the body shroud to the frame.
5. Lift the body shroud up and away from the power base.
6. Locate the adjustment nut at the top of the anti-tip bracket. See figure 22.
7. Turn the adjustment nut clockwise to raise the anti-tip wheel or anticlockwise to lower the anti-tip wheel.
8. Reinstall the body shroud and secure it to the frame.
9. Reinstall the seat.
10. Reconnect the controller to the electronics tray.

# VI. OPERATION

## VSI CONTROLLER

The electronic controller is what you use to operate your power chair. It takes the battery voltage and sends it to the appropriate system. The electronic controller enables you to move the power chair, as well as monitor battery charge, electronic controller functions, and the condition of your electrical system. The VSI controller is an integral electronic controller. All of the electronics necessary to operate the power chair are contained in one module. See figure 23. Typically, the VSI is mounted to one of the armrests and is connected to the motors and batteries on the power base.

The controller supplied with your power chair has been pre-programmed to meet your needs. The program is set using either a personal computer with software provided by the controller manufacturer or with a hand-held programmer, also provided by the controller manufacturer.



**WARNING!** The controller program can affect speed, acceleration, deceleration, and braking. If it is programmed incorrectly or outside of the safe limits as determined by your healthcare professional, it can create a dangerous situation. Only the power chair manufacturer, an authorised representative of the manufacturer, or a trained service technician should program the controller.

### The VSI consists of:

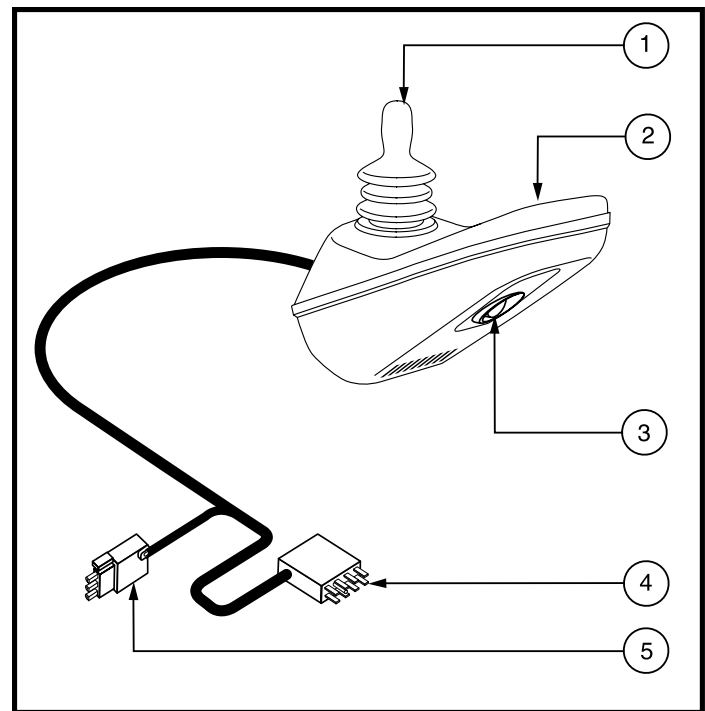
1. joystick
2. keypad
3. off-board charger/programming socket
4. controller connector
5. charger inhibit connector

### Joystick

The joystick controls the direction and speed of your power chair. When you move the joystick from the neutral (centre) position, the electromagnetic brakes release and allow your power chair to move. The farther you push the joystick from its neutral position, the faster your power chair moves. When you release the joystick and allow it to return to the neutral position, you engage the electromagnetic brakes. This causes your power chair to decelerate and come to a complete stop.



**WARNING!** If your power chair begins to move in an unexpected manner, immediately release the joystick. Unless the joystick is damaged, this action should stop your power chair.



**Figure 23. VSI Controller**

### Keypad

The keypad is located in front of the joystick. It contains keys necessary to operate your power chair. See figure 24.

# V I . O P E R A T I O N

## On/Off Key

The on/off key turns the VSI on and off.



**WARNING!** Unless faced with an emergency situation, do not use the on/off key to stop the chair. This will cause the power chair to stop abruptly.

**WARNING!** Always turn the power off when you are stationary to prevent unexpected movement.

## Battery Condition Meter

The battery condition meter is located in front of the joystick. This is a 10-segment illuminated display that indicates that the VSI is powered on and also gives the battery status, the VSI status, and the electrical system status.

- **Red, yellow, and green lights lit:** Batteries charged; VSI and electrical system OK.
- **Red and yellow lights lit:** Charge batteries if possible; VSI and electrical system OK.
- **Red lights only lit or slow flash:** Charge batteries as soon as possible; VSI and electrical system OK.

**NOTE:** *When the batteries approach a discharged state, the first red light will begin to slowly flash, reminding you the batteries need to be charged immediately!*

- **Rapid flash of lights:** Indicates a fault in the VSI or the electrical system. Refer to “VSI Error Codes.”
- **Ripple side to side of lights:** The joystick was not in the neutral position when the controller was turned on. If you get “ripple side to side of lights,” turn off the controller, allow the joystick to return to the neutral position, then turn on the controller.

**NOTE:** *If you still get “ripple side to side of lights,” contact your authorised Pride Provider.*

## Speed/Profile Keys

There are two keys that control either the speed or the profile. This depends on how your VSI was programmed. Press the speed/profile increase key to increase the speed or change the profile. Press the speed/profile decrease key to decrease the speed or change the profile. The speed/profile setting is displayed on the maximum speed/profile indicator. If your power chair was programmed with a drive profile, contact your authorised Pride Provider for more information.

**NOTE:** *We recommend that the first few times you operate your power chair, you set the speed to the slowest setting until you become familiar with your new power chair.*

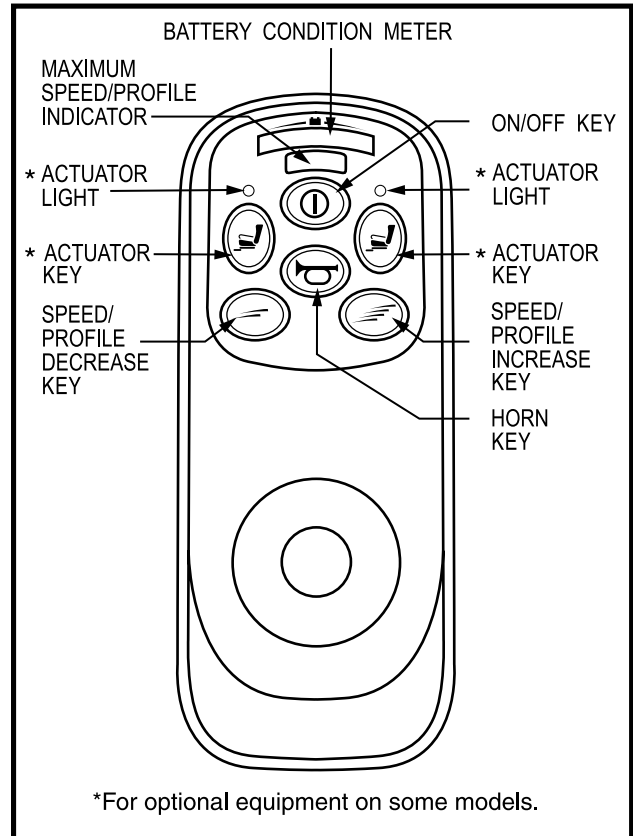


Figure 24. VSI Controller Keypad

# V I . O P E R A T I O N

## Actuator Keys and Actuator Lights

Actuator keys and actuator lights are used for optional equipment such as power elevating seats or power elevating leg rests. For specific operation of the actuator keys and actuator lights, contact your authorised Pride Provider.

## Locking/Unlocking the VSI

The VSI has a feature that enables you to lock your power chair to prevent unauthorised use.

### To lock the VSI:

1. With the VSI powered on, press and hold the on/off key. After 1 second, the VSI should beep.
2. Release the on/off key.
3. Push the joystick to the full forward position until the VSI beeps.
4. Pull the joystick to the full rearward position until the VSI beeps.
5. Release the joystick. There should be a long beep.
6. The VSI is now locked.

### To unlock the VSI:

1. Press the on/off key to power on the VSI. The maximum speed/profile indicator should ripple up and down.
2. Push the joystick to the full forward position until the VSI beeps.
3. Pull the joystick to the full rearward position until the VSI beeps.
4. Release the joystick. There should be a long beep.
5. The VSI is now unlocked.

**NOTE:** *If the above procedure fails to either lock or unlock the VSI, contact your authorised Pride Provider.*

## Off-board Charger/Programming Socket

You may use an off-board charger to charge the power chair batteries through the 3-pin socket located on the front of the VSI. If you use an off-board charger, the charger current should not exceed 8 amps. Contact your authorised Pride Provider for more information.



**WARNING!** Only chargers with Neutrik NC3MX plugs should be connected to the off-board charger/programming socket. See your authorised Pride Provider for more information.

**NOTE:** *The socket may also be used for reprogramming the VSI. Contact your authorised Pride Provider for more information.*

## Controller Connector

This connects the VSI to the power chair's batteries, motors, and motor brakes.

## Charger Inhibit Connector

This connects the VSI to the onboard battery charger. This connection provides an inhibit that disables the VSI when the battery charger is on.

# V I . O P E R A T I O N

## Thermal Rollback

The VSI controller is equipped with a thermal rollback circuit. The circuit monitors the temperature of the controller, which roughly translates to motor temperature. In the event that the VSI controller becomes excessively hot (above 60° C/140° F), motor current (amperage) is reduced. For every degree above 60° C/140° F, the motor current limit is reduced by .55 amps until the VSI controller reaches 70° C/158° F, at which time the current output is reduced to zero. This reduces your power chair's "power," which could also reduce your power chair's speed, and allows the electrical components and motors to cool down. When the temperature returns to a safe level, your power chair resumes its normal operation.

## VSI Error Codes

The VSI controller is designed with the user's safety as the prime consideration. It incorporates many sophisticated self-test features which search for potential problems at a rate of 100 times per second. If the VSI detects a problem either in its own circuits or in the power chair's electrical system, it may stop the power chair, depending on the severity of the problem. The VSI is designed to maximise the user's safety under all normal conditions. The table below identifies the individual error codes. Error codes are displayed as a rapid flashing of the battery condition meter lights. If you get one of these error codes, contact your authorised Pride Provider.

FLASHING LIGHTS	DIAGNOSIS AND SOLUTION
1	The batteries need charging or there is a bad connection to the batteries. Check the connections to the batteries. If the connections are good, try charging the batteries.
2	The left motor has a bad connection. Check the left motor connection.
3	The left motor has a short circuit to a battery connection. Contact your authorised Pride Provider.
4	The right motor has a bad connection. Check the right motor connection.
5	The right motor has a short circuit to a battery connection. Contact your authorised Pride Provider.
6	The power chair is being inhibited by the battery charger. Unplug the battery charger.
7	A joystick fault is indicated. Make sure that the joystick is in the neutral (centre) position before turning on the controller.
8	A controller system fault is indicated. Make sure that all connections are secure.
9	The parking brakes have a bad connection. Check the parking brake and motor connections. Make sure the controller connections are secure.
10	An excessive voltage has been applied to the controller. This is usually caused by a poor battery connection. Check the battery connections.

# VII. BATTERIES AND CHARGING

## BATTERIES AND CHARGING

Your power chair uses two long-lasting, 12-volt, deep-cycle batteries. These batteries are sealed and maintenance free. Since they are sealed, there is no need to check the electrolyte (fluid) level. Deep-cycle batteries are designed to handle a longer and deeper discharge. Though they are similar in appearance to automotive batteries, they are not interchangeable. Automotive batteries are not designed to handle a long, deep discharge, and also are unsafe for use in power chairs.



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

### Charging the Batteries

The battery charger is essential in providing long life for your power chair batteries. It is designed to optimise your power chair's performance by charging the batteries safely, quickly, and easily. The battery charging system consists of the onboard battery charger, the charger circuit fuse, and the ammeter. The ammeter indicates the rate of charge necessary to fully recharge the batteries. It is also a good indication of whether or not the charger is working. The ammeter and the charger are only functional when the charger power lead is plugged into a wall outlet. The charger circuit has an ATO fuse that protects the ammeter.



**WARNING!** You must recharge your power chair's batteries with the supplied onboard battery charger. Do not use an automotive-type battery charger.



**PROHIBITED!** Removal of grounding prong can create electrical hazard. If necessary, properly install an approved 3-pronged adapter to an electrical outlet having 2-pronged plug access. Failure to heed could result in personal injury and/or property damage.

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

### To charge the batteries using the onboard charger:

1. Position the rear of your power chair close to a standard wall outlet.
2. Be certain the controller power is turned off and the freewheel levers are in the drive mode position. See III. "Your Power Chair."
3. Plug the charger power lead into the charger power lead receptacle on the power base, then into the wall outlet.

**NOTE:** *The power chair incorporates an inhibit function that disables the power chair when the charger is plugged into a wall outlet.*

4. We recommend you charge the batteries for 8 to 14 hours. As the batteries charge, the ammeter needle slowly drops to 0.

**NOTE:** *The ammeter indicates how much charge is needed to fully charge the batteries. Wait about a minute for the charger to warm up. The ammeter may move as high as 5.5 amps, then gradually move back down to 0 amps as the batteries charge.*

5. When the batteries are fully charged, the needle vibrates on or about the 0 mark on the ammeter. Disconnect the charger power lead, wind up the lead, and store it in a safe place.

# VII. BATTERIES AND CHARGING

## **To charge the batteries using the optional off-board charger:**

1. Position the front of your power chair next to a standard wall outlet.
2. Be certain the controller power is turned off and the power chair is in drive mode.
3. Plug the off-board charger into the off-board charger/programming socket on the controller. See VII. "Operation."
4. Plug the off-board charger into the wall outlet.

***NOTE: If it is a Pride off-board charger, then there are two lights in it. The red light indicates that power to the off-board charger is on. The green light indicates that the batteries are fully charged. If it is not a Pride off-board charger, then follow the instructions supplied by the manufacturer.***

5. When the batteries are fully charged, unplug the off-board charger from the wall outlet and then from the controller.

## **Battery Break-in**

### **To break in new batteries for maximum efficiency:**

1. Fully recharge any new battery prior to its initial use. This brings the battery up to about 90% of its peak performance level.
2. Operate your power chair throughout the house and grounds. Move slowly at first, and do not travel too far until you become accustomed to the controls and break in the batteries.
3. Give the batteries another full charge of 8 to 14 hours and operate your power chair again. The batteries will now perform at over 90% of their potential.
4. After four or five charging cycles, the batteries will top off at 100% charge and last for an extended period.

## **Frequently Asked Question (FAQs)**

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

The battery charger takes the standard wall outlet voltage (alternating current) and converts it to 24 VDC (direct current). The power chair batteries use direct current to run your power chair. When the battery voltage is low, the charger works harder to charge the battery. As the battery voltage approaches full charge, the charger does not work as hard to complete the charging cycle. When the battery is fully charged, the amperage from the charger is nearly at zero. This is how the charger maintains a charge but does not overcharge the battery.

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

You should use the charger supplied with the power chair. It is the safest, most efficient tool to charge the batteries. We do not recommend using other types of chargers (e.g., an automotive battery charger).

***NOTE: Your power chair's charger will not operate after the batteries have been discharged to nearly zero voltage. If this happens, call your authorised Pride Provider for assistance.***

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

Many factors come into play when deciding how often to charge the batteries. You may use your power chair all day on a daily basis or you may not use it for weeks at a time.

# VII. BATTERIES AND CHARGING

## ■ Daily Use

If you use your power chair on a daily basis, charge the batteries as soon as you are finished using your power chair. Your power chair will be ready each morning to give you a full day's service. It is recommended that you charge the batteries 8 to 14 hours after daily use.

## ■ Infrequent Use

If you use your power chair infrequently (once a week or less), you should charge the batteries at least once per week for 12 to 14 hours.

**NOTE: Keep your batteries fully charged and avoid deeply discharging them. Do not charge the batteries for more than 24 hours at a charging cycle.**

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

Rarely do you have an ideal driving situation, such as smooth, flat, hard terrain with no hills or curves. More often you are presented with hills, pavement cracks, uneven and loosely packed surfaces, curves, and wind. All of these factors will affect the distance or running time per battery charge. Below are a few suggestions for obtaining the maximum range per charge:

- Always fully charge the batteries prior to your trip.
- Plan your trip in advance to avoid inclines if possible.
- Limit baggage weight to essential items.
- Try to maintain an even speed and avoid stop-and-go driving.

## What type of battery should I use?

We recommend deep-cycle batteries that are sealed and maintenance free. Both AGM and Gel-Cell are deep-cycle batteries that are similar in performance.



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

## Why do my new batteries seem weak?

Deep-cycle batteries employ a much different chemical technology than that used in car batteries, nickel-cadmium (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. AGM and Gel-Cell batteries should be charged as often as possible. They do not have a “memory” like nickel-cadmium batteries.

We work closely with our battery manufacturer to provide a battery that best suits your power chair's specific demands. Fresh batteries arrive regularly at Pride and are promptly shipped with a full charge. During shipping, the batteries encounter temperature extremes that may influence initial performance. Heat robs the charge from the battery, and cold slows the power available and extends the time needed to recharge the battery (just as with a car battery).

It might take a few days for the temperature of the batteries to stabilise and adjust to their new ambient temperature. More importantly, it will take a few “charging cycles” (a partial drain—then a full recharge) to establish the critical chemical balance that is essential to the batteries' peak performance and long life. It will be well worth it to take the time to break in your batteries properly.



## VII. BATTERIES AND CHARGING

*NOTE: The useful life of a battery is quite often a reflection of the care it receives.*

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

A fully charged deep-cycle battery will provide reliable performance and extended battery life. Keep your power chair'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 power chair operation and limited battery life.

### **How should I store my power chair and its batteries?**

If you do not use your power chair regularly, we recommend maintaining battery vitality by charging the batteries at least once per week.

If you do not plan on using your power chair or an extended period, fully charge the batteries prior to storage. Disconnect the battery harnesses and store the power chair in a warm, dry environment. Avoid temperature extremes, such as freezing and excessively hot conditions, and never attempt to charge a frozen battery. A cold or frozen battery should be warmed for several days prior to recharging.

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

AGM and Gel-Cell batteries are designed for application in power chairs and other mobility vehicles, allowing safe transportation on aircraft, buses, and trains, as there is no danger of spillage or leakage. We suggest you contact the carrier's ticket counter in advance to determine the carrier's specific requirements.

### **What about shipping?**

If you wish to use a freight company to ship your power chair to your final destination, repack your power chair in the original shipping container and ship the batteries in separate boxes.

# VIII. CARE AND MAINTENANCE

## CARE AND MAINTENANCE

Your Jet 2 is a sophisticated power chair. Like any motorised vehicle, it requires routine maintenance checks. You can perform some of these checks, but others require assistance from your authorised Pride Provider. Preventive maintenance is very important. If you follow the maintenance checks in this section as scheduled, you can help ensure that your power chair gives you years of trouble-free operation. If you have any doubt as to your power chair's care or operation, contact your authorised Pride Provider.



WARNING! Prevent injury. Do not service the power chair when the seat is occupied.

Your power chair, like most electrical equipment, is susceptible to damage from the elements. Avoid damp areas of any kind.



WARNING! Direct exposure to water or dampness could cause the power chair to malfunction electronically and mechanically. Water can cause electrical components to corrode and the chair's frame to rust.

### Should your power chair come in contact with water:

1. Dry your power chair as much as possible with a dry towel.
2. Allow your power chair to sit in a warm, dry place for twelve hours to allow unseen water to evaporate.
3. Check the controller operation and the brakes before using your power chair again.
4. If any inconsistencies are found, take your power chair to your authorised Pride Provider.

### Temperature

- Some of the parts of your power chair are susceptible to extreme changes in temperature. Always keep your power chair between the temperatures of -8° C/18° F and 50° C/122° F.
- In extremely cold temperatures the batteries may freeze. The specific temperature at which they will freeze depends on a number of factors, such as battery charge, usage, and composition of the batteries (e.g., AGM or Gel-Cell).
- Temperatures above 50° C/122° F may cause your power chair to operate at a reduced speed. This is a safety feature built into the controller that helps prevent damage to the motor and other electrical components. See VII. "Operation."

### General Guidelines

- Avoid knocking or bumping the controller, especially the joystick.
- Avoid prolonged exposure of your power chair to extreme conditions, such as heat, cold, or moisture.
- Keep the controller clean.
- Check all connectors to ensure that they are all tight and secured properly.
- Make sure pneumatic drive tyres (if equipped) are inflated to **2.4 bar (35 psi)**.



WARNING! Overinflating tyres can cause them to explode and can result in personal injury.

WARNING! Do not use a high pressure hose to inflate your tyres.

- Use a rubber conditioner on the tyre sidewalls to help preserve them.



WARNING! Never use a rubber conditioner on the tread area of the tyres; doing so may make the tyres slippery and cause your power chair to skid.

# VIII. CARE AND MAINTENANCE

- The body shroud has been sprayed with a clear sealant coating. You can apply a light coat of car wax to help it retain its high-gloss appearance.
- Check all electrical connections. Make sure they are tight and are not corroded. Batteries must sit flat within the battery tray, with the battery terminals facing inward, toward each other. Refer to the battery wiring label on the battery tray for the correct wiring layout.
- All wheel bearings are prelubricated and sealed. They require no subsequent lubrication.

## Daily Checks

- With the controller turned off, check the joystick. Make sure it is not bent or damaged and that it returns to the neutral position when you release it. Check the rubber boot around the base of the joystick for damage. Visually inspect the boot. Do not handle or try to repair it. See your authorised Pride Provider if there is a problem.
- Visually inspect the controller cable. Make sure that it is not frayed, cut, or have any wires exposed. See your authorised Pride Provider if there is a problem
- Check for flat spots on solid tyres. Flat spots could adversely affect stability.

## Weekly Checks

- Disconnect and inspect the electrical connections. Look for corrosion. Contact your authorised Pride Provider if necessary.
- Ensure that all parts of the controller system are securely fastened to your power chair. Do not overtighten any screws.
- Check for proper tyre inflation. There should be **2.4 bar (35 psi)** in each pneumatic drive tyre (if equipped). If a tyre does not hold air, see your authorised Pride Provider for replacement of the tube.
- Calibrate the joystick if a noticeable difference in performance is detected or if the joystick does not operate properly. To calibrate the joystick, power off the unit, place the joystick in the neutral position and power the unit back on. If a problem still exists with your joystick's performance, contact your authorised Pride Provider.
- Check the brakes. This test should be carried out on a level surface with at least one metre of clearance around your power chair.

### To check the brakes:

1. Turn on the controller and turn down the speed of your power chair.
2. After one second, check the battery condition metre. Make sure that it remains on.
3. Slowly push the joystick forward until you hear the electromagnetic brakes click. Immediately release the joystick. You must be able to hear each electromagnetic brake operating within a few seconds of joystick movement. Repeat this test three times, pushing the joystick rearwards, then left, and then right.

## Monthly Checks

- Check that the anti-tip wheels are not rubbing the ground when you operate the power chair. Adjust them as necessary. See V. "Comfort Adjustments."
- Check for extreme wear on the anti-tip wheels. Replace them as necessary.
- Check for drive tyre wear. See your authorised Pride Provider for repair.
- Check the caster wheels for wear. Replace them as necessary.
- Check the caster forks for damage or fluttering which indicates that they may need to be adjusted or have the bearings replaced. See your authorised Pride Provider for repair.
- Keep your power chair clean and free of foreign material, such as mud, dirt, hair, food, drink, etc.

# VIII. CARE AND MAINTENANCE

## Yearly Checks

Take your power chair to an authorised Pride Provider for yearly maintenance. This helps ensure that your power chair is functioning properly and helps prevent future complications.

## Storage

Your power chair should be stored in a dry place, free from temperature extremes. When storing, disconnect the batteries from the power chair. See VII. “Batteries and Charging.”



WARNING! If you fail to store the unit properly, the frame can rust and the electronics can be damaged.

## Cleaning Instructions



WARNING! Never hose off your power chair or place it in direct contact with water. Your power chair has a painted, ABS plastic body shroud that allows it to be easily wiped clean with a damp cloth.

WARNING! Never use any chemicals to clean a vinyl seat, as they may cause the seat to become slippery or dry out and crack. Use soapy water and dry the seat thoroughly.

## Tyre/Wheel Replacement

If you have pneumatic tyres and you have a flat tyre, you can replace the tube. If your chair is equipped with a solid tyre insert, then you must replace the entire wheel assembly. Replacement tyres, tubes, and wheel assemblies are readily available through your authorised Pride Provider.



WARNING! To avoid possible injury, be sure that the controller’s power is turned off and the power chair is not in freewheel mode before performing this procedure.

WARNING! Completely deflate the tyre before attempting repair.

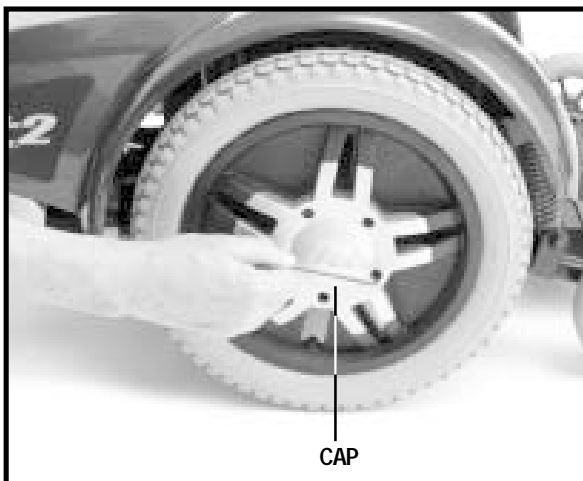


Figure 25. Drive Wheel Hub Cap Removal

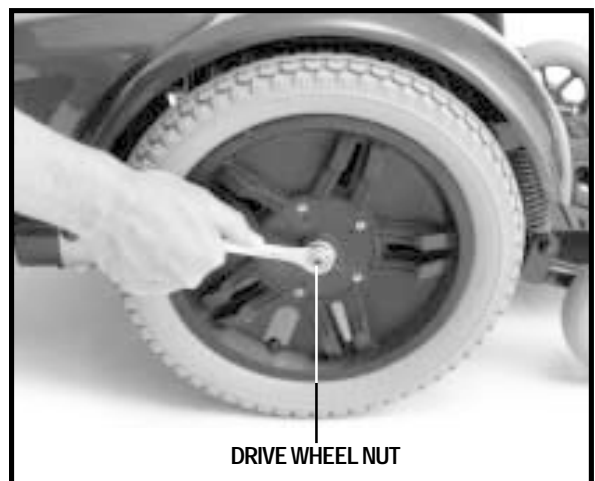


Figure 26. Drive Wheel Nut Removal

# VIII. CARE AND MAINTENANCE

## Follow these easy steps for a quick and safe wheel replacement:

1. Turn off the power to the controller.
2. Place blocks under the power base frame for support.
3. Remove the hub cap. See figure 25.
4. Remove the drive wheel nut from the centre hub of the wheel. See figure 26.
5. Pull the wheel assembly off of the axle.
6. Replace the tyre tube (if pneumatic.)
7. Slide the wheel assembly back onto the axle.
8. Install the drive wheel nut into the centre hub and tighten.
9. Install the hubcap.
10. Use a regulated air supply and inflate the pneumatic tyre to **2.4 bar (35 psi)**.

## Battery Replacement

A battery wiring diagram is printed on a decal located on the battery tray. See the specification table for correct battery specifications.

WARNING! Prevent injury. Do not replace battery when seat is occupied.



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

WARNING! Power chair batteries are heavy. See specifications table. If you are unable to lift that much weight, be sure to get help. Lifting beyond your capacity can result in personal injury.

## To replace the batteries:

1. Turn off the power to the controller.
2. Make sure that the power chair is in drive mode. See III. "Your Power Chair."
3. Disconnect the controller connector(s) from the electronics tray.
4. Remove the seat.
5. Remove the body shroud.
6. Loosen and remove the nuts on the positive (red) battery terminals first.
7. Disconnect the wires from the batteries.
8. Loosen and remove the nuts on the negative (black) battery terminals.
9. Disconnect the wires from the batteries.
10. Remove the old batteries.
11. Install the new batteries into your power chair with the terminal sides of the batteries facing inward, toward each other.
12. Connect the wire marked (+) to the closest positive (red) battery terminal.
13. Connect the wire marked (-) to the closest negative (black) battery terminal on the other battery.
14. Connect one circuit breaker harness to the empty positive terminal of one battery, and connect the other circuit breaker harness to the empty negative terminal of the other battery.
15. Retighten all nuts.
16. Replace the shroud and seat.
17. Reconnect the controller connectors to the electronics tray.

# VIII. CARE AND MAINTENANCE

## **When to See Your Authorised Pride Provider for Service**

The following symptoms could indicate a serious problem with your power chair. If necessary, contact your authorised Pride Provider. When calling, have the model number, serial number, nature of the problem, and the error code, if available.

- Motor noise
- Frayed harnesses
- Cracked or broken connectors
- Uneven wear on any of the tyres
- Jerky motion
- Pulling to one side
- Bent or broken wheel assemblies
- Does not power up
- Powers up, but does not move

## **Corrective Maintenance**

If the battery condition meter does not light up when you turn on the power:

- Check the controller connections to the electronics tray. Make sure they are tight.
- Check the circuit breaker. Reset it if necessary.
- Check the battery connections.

If the above conditions prove normal, you can load test the batteries with a battery load tester. These testers are available at automotive parts stores. Disconnect both batteries before load testing and follow the directions that come with the load tester. If either one of the batteries fails the load test, replace both of them. If your power chair still does not power up, contact your authorised Pride Provider.

# I X . W A R R A N T Y

## LIFETIME LIMITED WARRANTY

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

## TWO-YEAR LIMITED WARRANTY

Drivetrain, including: differential, motor, and brake.

## ONE-YEAR LIMITED WARRANTY

Your Pride Power Chair 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, 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 labour 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, 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 your authorised Pride Provider. Please contact your authorised Pride Provider for advice on the current cost affecting the service visit.

## REPLACEMENT UNITS

The availability of replacement units is subject to the discretion of the provider, not the manufacturer. For more information regarding replacement units, contact your authorised Pride Provider.

# NOTES



# NOTES

# NOTES

# JET

## Power Chairs



### Quality Control - Model JET 2

Thank you for making the Jet 2 your choice in power chairs.

We have thoroughly inspected your Jet 2. The following checkmarks indicate that it has been driven and inspected.



**Pride keeps a more detailed report on file at the factory.**

\_\_\_\_\_  
Date Inspected

\_\_\_\_\_  
Inspector

\* I N F M A N U 1 9 4 3 \*

\_\_\_\_\_  
Serial #