JET Power Chairs

JET Power Chairs

JET Power Chairs

JET Power Chairs

JET Power Chairs

JET Power Chairs

JET Power Chairs

JET Power Chairs

JET 7

Owner's Manual

ATTENTION:
Please read the content of your owner's manual before operating your power chair.

Stylish Design and Premium Performance®

Pride Mobility Products Ltd.

Unit 106, Heyford Park Camp Road
Upper Heyford, Oxfordshire OX25 5HA

www.pridemobility.com

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.

MANDATORY! These actions should be performed as specified. Failure to perform mandatory actions can cause injury to personnel and/or damage to equipment.

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.

INFMANU1912/Rev F/January 2006

CONTENTS

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. INTRODUCTION

SAFETY

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

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

If there is any information in this manual which you do not understand, or if you require additional assistance for setup or operation, please contact your authorised Pride Dealer. **Failure to follow the instructions, warnings and notes in this manual and those located on your Pride product can result in personal injury or product damage and void Pride's product warranty.**

PURCHASER'S AGREEMENT

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

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 product, and about the service you received from your authorised Pride Dealer. Please notify us of any change of address, so we can keep you apprised of important information about safety, new products and new options that can increase your ability to use and enjoy your Pride product. Please feel free to contact us at the address below:

Pride Mobility Products Ltd.
Unit 106, Heyford park Camp Road
Upper Heyford, Oxfordshire OX25 5HA

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

My authorised Pride Dealer is:

Name:_____

Address:_____

Phone Number:_____

Purchase Date:_____

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 Dealer 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 manoeuvre 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 you become accustomed to operating your 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 Dealer to further customize 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 authorized by Pride. Unauthorized modifications may result in personal injury and/or damage to your power chair.

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.

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. See IX. "Care and Maintenance."

II. SAFETY

Perform the following inspections prior to using your power chair:

- Check for proper tyre inflation. Maintain **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 electronics tray. Make sure they are secured properly.
- Check the brakes. See IX. "Care and Maintenance."
- Check battery charge. See VIII. "Batteries and Charging."

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

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 VII. "Operation."
- Avoid sudden stops and starts.

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 to your power chair.

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

WARNING! Your power chair may be equipped with a reclining seatback. This feature is intended for use on a flat, level surface. Do not negotiate inclines with the seat in a reclined position as this may result in the power chair tipping over and causing personal injury and/or product damage.

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.

Most handicap public access ramps are required to have a maximum slope of 8.7% (5°). Therefore, Pride recommends that the maximum slope 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 slope steeper than 8.7% (5°) may put your power chair in an unstable position and cause it to tip, resulting in personal injury.

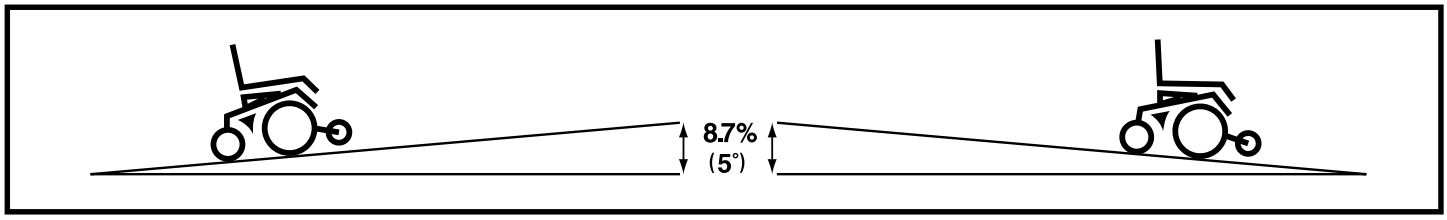

Figure 1. Maximum Safe Angle (Ascending and Descending)

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.

Cornering Information

While your power chair is equipped with rear castor wheels in back and anti-tip wheels in front, excessively high cornering speeds can still create the possibility of tipping. Factors which affect the possibility of tipping include, but are not limited to: cornering speed, steering angle (how sharply you are turning), uneven road surfaces, inclined road surfaces, riding from an area of low traction to an area of high traction (such as passing from a grassy area to a paved area – especially at high speed while turning) and abrupt directional changes. High cornering speeds are not recommended. If you feel that you may tip over in a corner, reduce your speed and steering angle (i.e., lessen the sharpness of the turn) to prevent your 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.

II. SAFETY

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 recognizes 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 a manual freewheel lever to allow for manual manoeuvrability 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.

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 (2 in.) unless you have the assistance of an attendant.

WARNING! If your power chair is equipped with a kerb climber, do not attempt to climb any kerb in excess of 5 cm (2 in.) in height. Do not approach kerbs at an angle; instead approach any kerb you intend to ascend or descend in the forward position.

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.

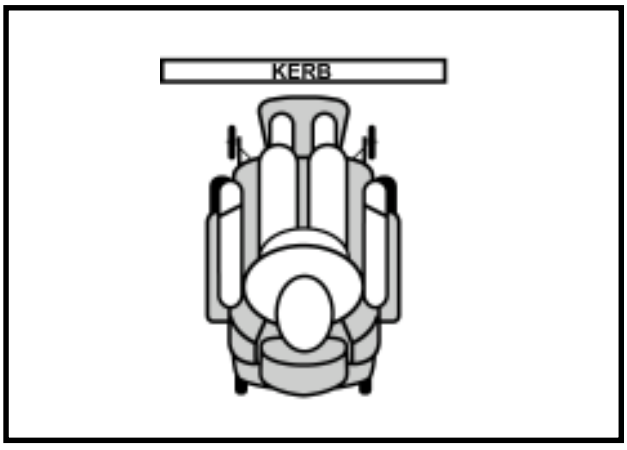

Figure 2. Correct Kerb Approach

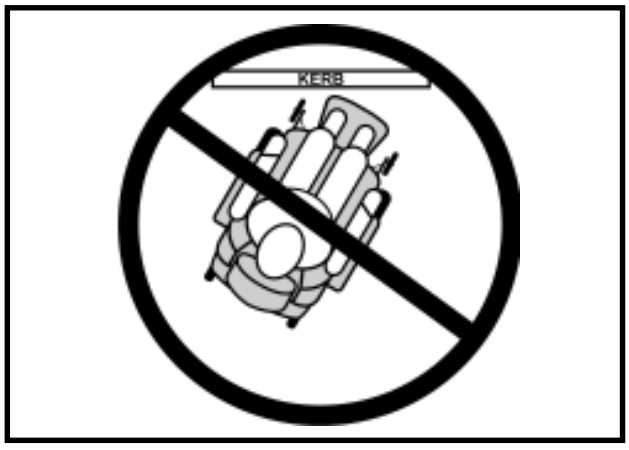

Figure 3. Incorrect Kerb Approach

II. SAFETY

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.

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.

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 transport. 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.

Motor Vehicle Transport

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

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 Dealer, 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.

Transfers

Transferring onto and off of your power chair requires a good sense of balance. Always have an attendant or healthcare 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 VII. "Operation."
- Ensure your power chair is not in freewheel mode. See III. "Your Power Chair."
- Turn both castor 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 riggings 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 platform. Such use may cause the power chair to tip and cause personal injury.

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! Operating in rain, snow, salt, mist/spray conditions and on icy/slippery surfaces can cause personal injury and/or damage to the power chair and electrical system. Maintain and store your power chair in a dry and clean condition.

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.

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.

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 VIII. "Batteries and Charging."

WARNING! Power chair batteries are heavy. Refer to the 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! Battery posts, terminals and related accessories contain lead and lead compounds. Wash hands after handling.

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

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.

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 authorised by Pride.

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

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

III. YOUR POWER CHAIR

YOUR POWER CHAIR

Your power chair has two main assemblies: the seat and the power base. See figure 5. Typically, the seating system includes the armrests, the seatback, the seat base and the controller. The power base assembly includes two drive wheels, two anti-tip wheels, two rear castor wheels, four frame assemblies, two battery boxes and the electrical connectors. See figures 5, 6 and 7.

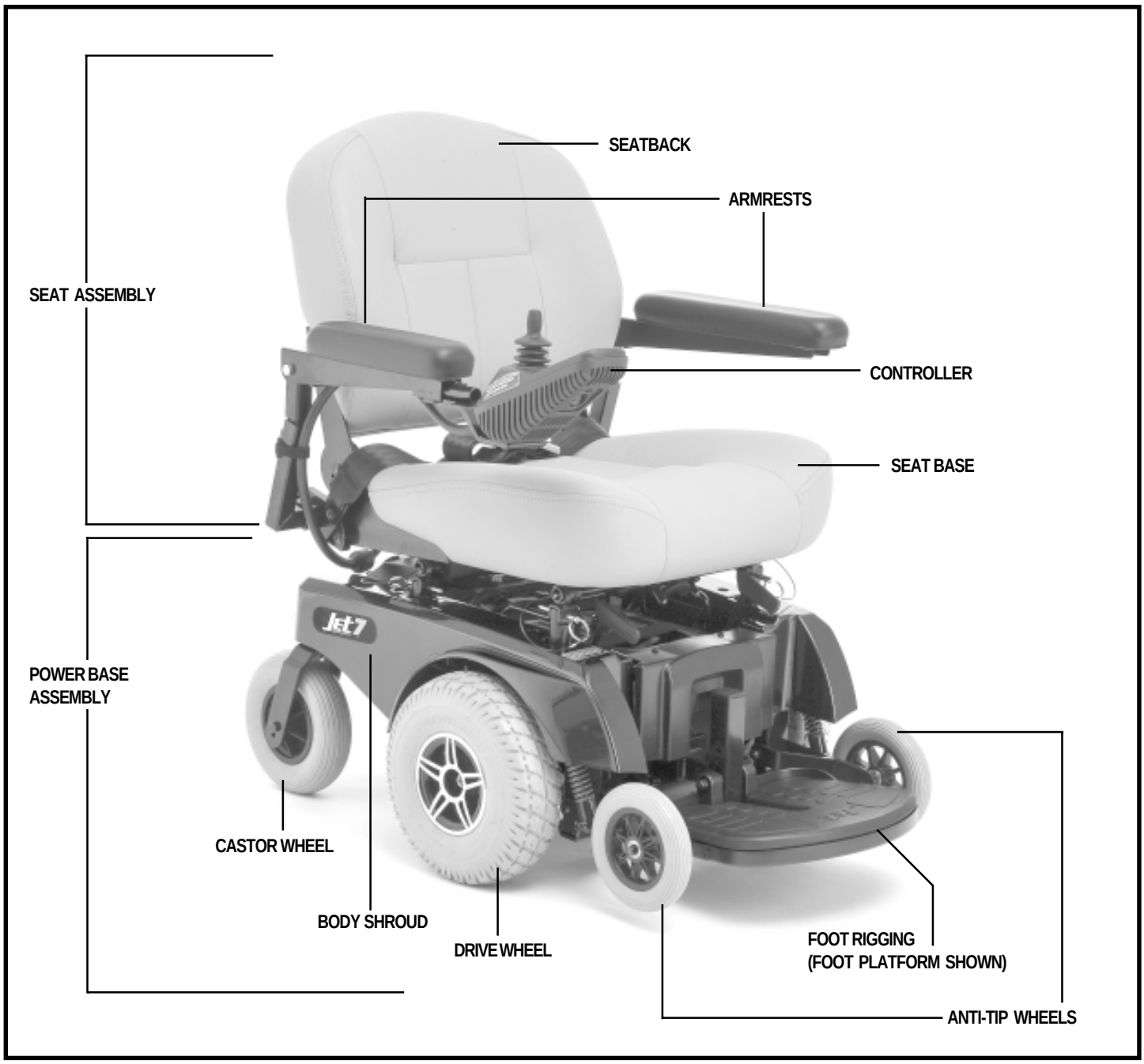

Figure 5. The Jet 7

JET 7 Specifications	
Suspension:	Limited
Drive Wheels:	25 cm (10 in.) solid tyres, centre-mounted (pneumatic tyres are optional)
Castor Wheels:	20 cm (8 in.), solid, rear-articulating
Anti-tip Wheels:	15.25 cm (6 in.), solid, front-mounted
Maximum Speed:	Up to 6.4 km/h (4 mph)[1]
Ground Clearance:	5 cm (2.0 in.)
Overall Size:	Length: 82.5 cm (32.5 in.)[2] Width: 58 cm (23 in.)[2]
Turning Radius:	43 cm (17 in.)[2]
Seating Options:	Medium back (standard) High back with headrest (optional) Specialty Seat
Drivetrain:	Two motor, mid-wheel
Battery:	12-volt, U-1 (2), AGM or Gel-Cell type recommended
Battery Charger:	4-amp onboard
Per-Charge Range:	Up to 40 km (25 miles)[1]
Electronics:	50-amp PG Drives VSI Controller
Weight Capacity:	136 kg (21 stone, 300 lbs.)
Component Weights:	Seat Weight: 16.5 kg (36.5 lbs.) Foot platform Weight: 4 kg (8.5 lbs.) Front/Rear Battery Box Weight: 12 kg (26 lbs.)[3] Battery Weight: 11 kg (24.5 lbs.) each Battery Well Frame Weight: 6 kg (13 lbs.) Front Frame Weight: 1 kg (2.5 lbs.) Right Frame Assembly Weight: 15 kg (33 lbs.) Left Frame Assembly Weight: 15 kg (33 lbs.)

[1] Varies with user weight, terrain type, battery amp hour rating (AH), battery charge, battery condition and tyre condition.
[2] Due to manufacturing tolerances and continual product improvement, this specification can be subject to variance of (+ or –) 3 %.
[3] Batteries included.

NOTE: All specifications subject to change without notice.

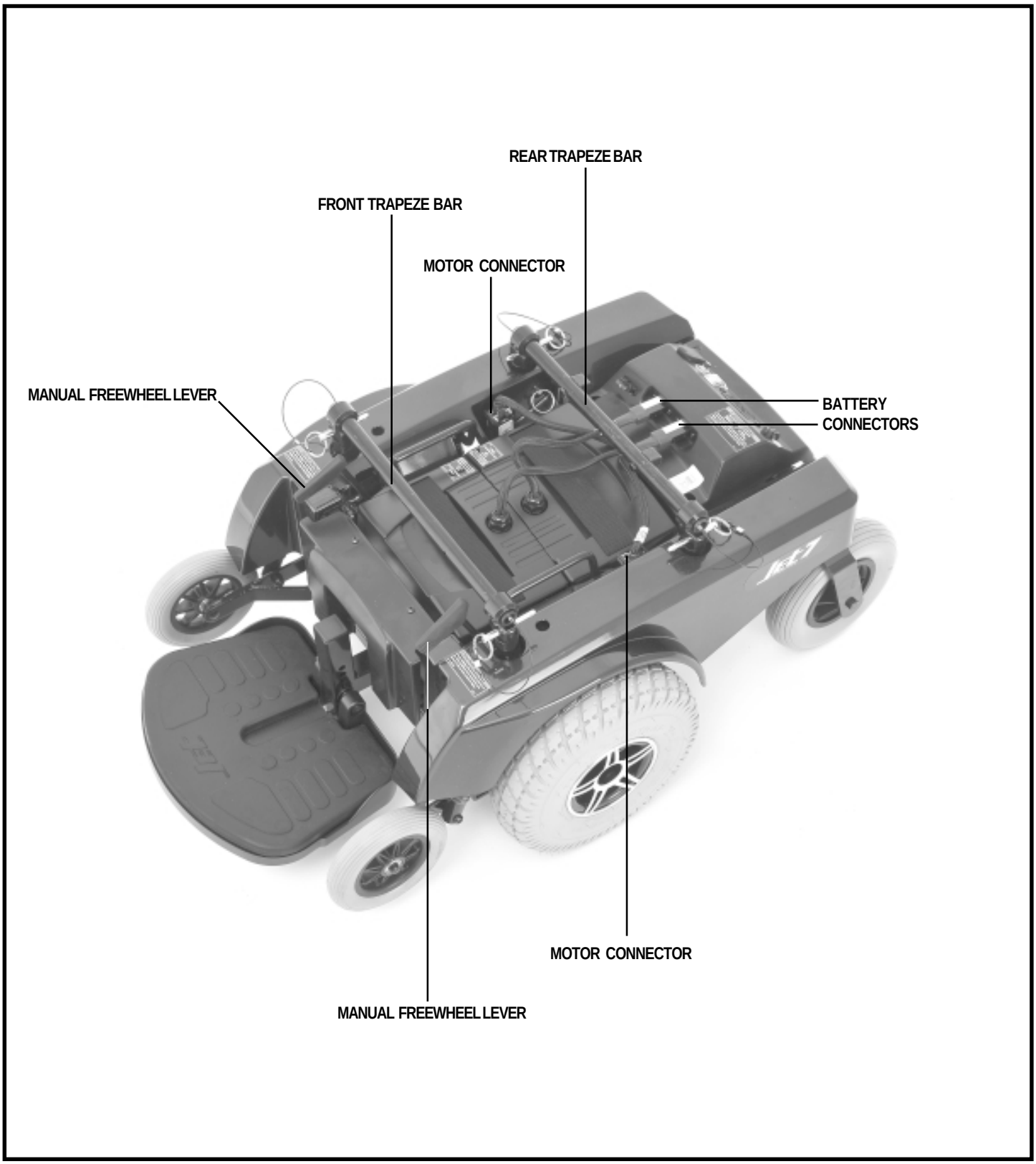

Figure 6. Jet 7 Power Base

ELECTRICAL COMPONENTS

The electrical components are located on the power base. The battery connectors and motor connectors are located at the rear of the power base. See figure 6. The ammeter, main circuit breaker, controller connector, charger power lead receptacle and the charger inhibit connector are located on the electronics tray. See figure 7.

Battery Connectors: These are where the battery boxes connect to the power base.

Motor Connectors: These are where the motors connect to the power base.

Ammeter: The ammeter displays the charger's current output in amps. See VIII. "Batteries and Charging."

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 trips to prevent damage to the motors and the electronics. If the circuit trips, allow the power chair to "rest" for approximately one minute. Then, push in the circuit breaker button, turn on the controller, and continue normal operation. If the main circuit breaker continues to trip repeatedly, contact your authorised Pride Dealer.

Controller Connector: This is where the controller connects to the batteries, motors and motor brakes.

Charger Power Lead Receptacle: This is where the onboard battery charger lead plugs into the onboard battery charger. See VIII. "Batteries and Charging."

Charger Inhibit Connector: This is where the charger connects to the controller. This connector is coded with a coloured dot. Make sure that you align the two coloured dots before making the connection.

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

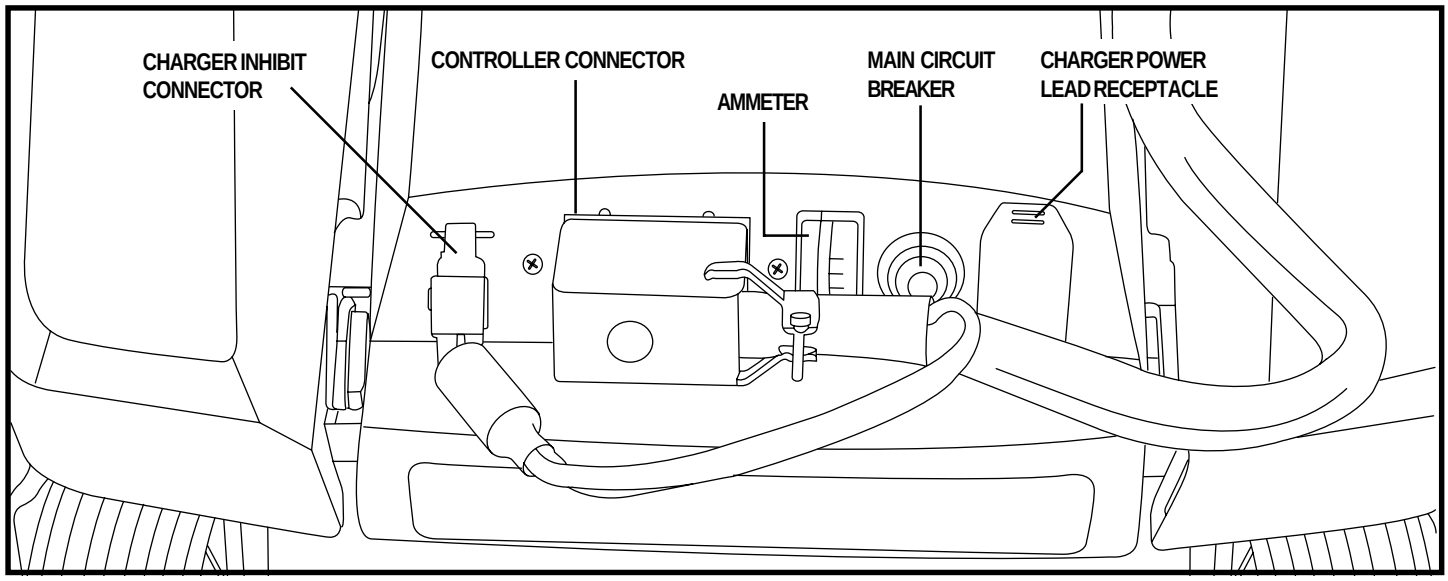

Figure 7. Electronics Tray

MANUAL FREEWHEEL LEVERS

For convenience, your power chair is equipped with two manual freewheel levers—one for each motor. See figures 8 and 9. These levers allow you to disengage the drive motors from the gearboxes and manoeuvre the chair manually. This is called freewheel mode.

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 and cause injury!

To engage or disengage the drive motors:

1. Rotate the manual freewheel levers inward to engage the drive motors and place your power chair in drive mode. See figure 8.
2. Rotate the manual freewheel levers outward to disengage the drive motors and place your power chair in freewheel mode. See figure 9.

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

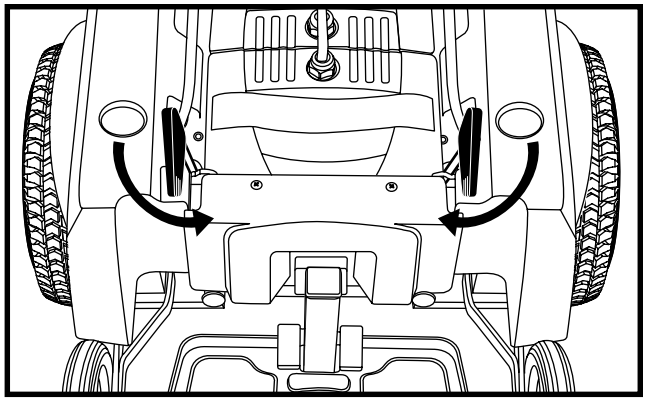

Figure 8. Drive Mode

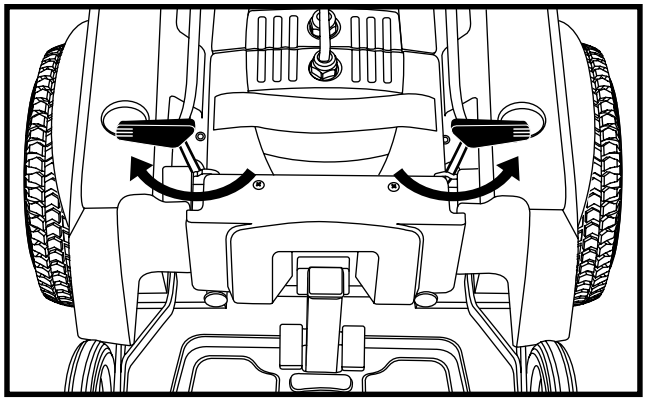

Figure 9. Freewheel Mode

IV. ASSEMBLY

INITIAL ASSEMBLY

It may be necessary to install the seat either prior to initial operation or after transporting your power chair. Most seats are attached to the power base with the Universal Mounting System (UMS). The UMS consists of universal parts that may be attached to any medium-back or high-back seat, regardless of seat width or seat depth. The two main components are aluminum extrusions mounted to the seat base. These extrusions attach to a pair of trapeze bars that are mounted to the power base.

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 the chair.

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

To install the seat:

1. Set the trapeze bars to the desired height. To change the trapeze bar height, see VI. "Comfort Adjustments."
2. Tilt the seat back, and slide the rear extrusion onto the rear trapeze bar. See figure 10.
3. Lower the front extrusion onto the front trapeze bar until the seat locks into place.
4. Flip the seat latch safety down. See figure 11.

WARNING! Make sure the seat latch safety is flipped down before using your power chair.

5. Install the controller into one of the armrests. See VI. "Comfort Adjustments."
6. Route the controller cable so that it cannot be pinched in the seat hinge and plug the cable into the controller connector on the electronics tray.
7. Secure the controller cable to the armrest receiver with one or more wire ties.

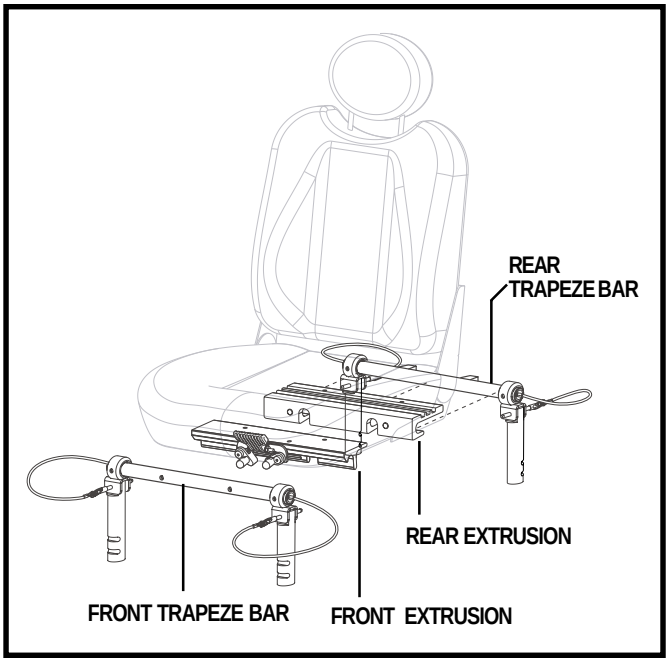

Figure 10. Universal Mounting System

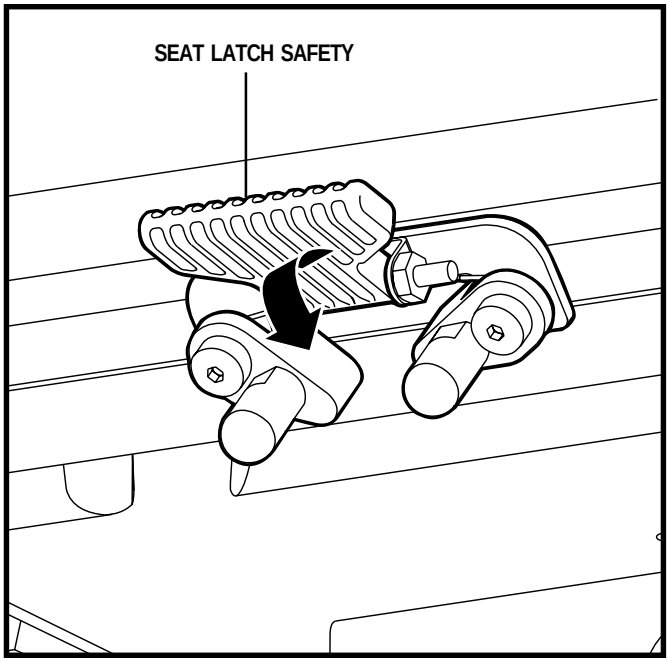

Figure 11. Seat Latch Safety

V. DISASSEMBLY

DISASSEMBLY

Your power chair disassembles into eight easily transportable component assemblies with no tools required. See figure 12. Place the power chair in an area where there is ample space to work and move around the unit—1 metre (3 feet) of clearance on all sides. Make sure the unit is powered off before disassembling the chair.

WARNING! Even though no tools are required to disassemble or assemble your power chair, you should take care not to place your hands or fingers on the areas of the component assemblies where they may be pinched, as the assemblies "snap" together or "snap" apart.

WARNING! Some power chair components are heavy. You may need assistance to lift or carry them. Please refer to the specifications table for specific component weights before you disassemble the power chair.

NOTE: During both the disassembly and the assembly of your power chair, you may find it helpful to engage the drive motors to secure the unit from rolling. See III. "Your Power Chair."

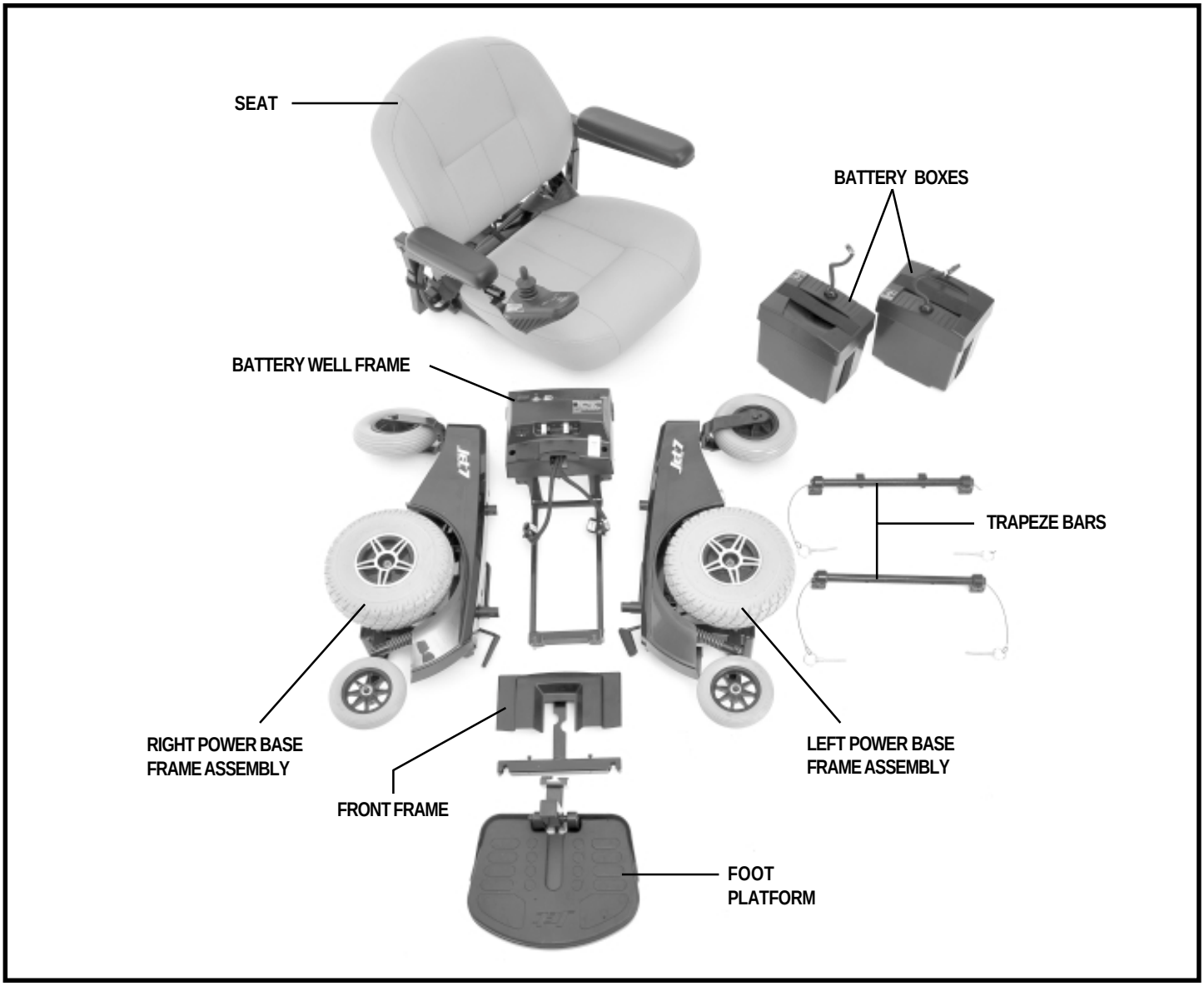

Figure 12. The Jet 7 Component Assemblies

V. DISASSEMBLY

To disassemble your power chair:

1. Turn off the power to the controller.
2. Disconnect the controller connector from the electronics tray. See figure 7. Pull firmly and wiggle the connector to remove it from the socket.
3. Disconnect the charger inhibit connector from the electronics tray. See figure 7. Squeeze the latch release levers on the connector and pull it firmly from the socket.
4. Flip up the seat latch safety. See figure 13.
5. Squeeze the seat latch and release the seat from the front trapeze bar.
6. Slide the seat forward and remove it from the power base.

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 and/or damage to the chair.

7. Remove the ball detent pins from the seat posts and remove the front and rear trapeze bars. See figure 14.
8. Remove the foot platform. Slide the mounting bracket up the vertical bar of the front frame until the tabs on the mounting bracket can be pulled forward through the matching slots in the front frame. See figure 15.
9. Disconnect the battery connectors and the motor connectors from the power base. See figure 6.
10. Lift and remove each battery box. See figure 16.
11. Remove the battery well frame. Squeeze together the latch release levers that hang vertically down from the crossbar at the rear of the battery well frame. See figure 17.
12. Lift up the battery well frame. Pull it to the rear of the chair to release the front slots from the locating pins on the front frame bottom bar. See figure 18.

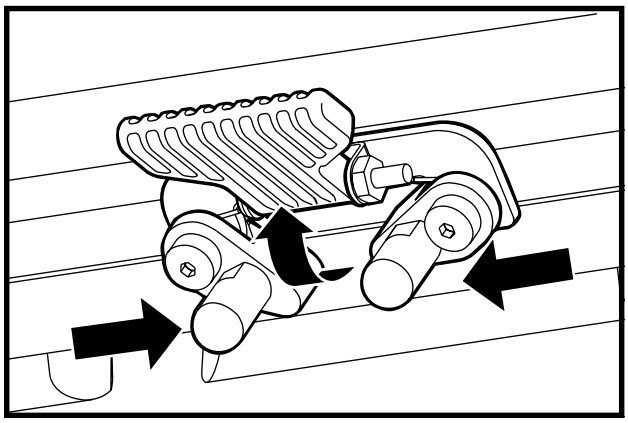

Figure 13. Seat Latch Safety

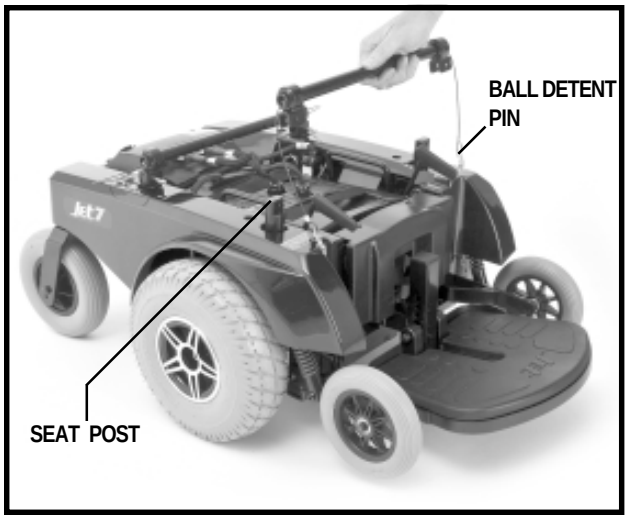

Figure 14. Removing the Trapeze Bars

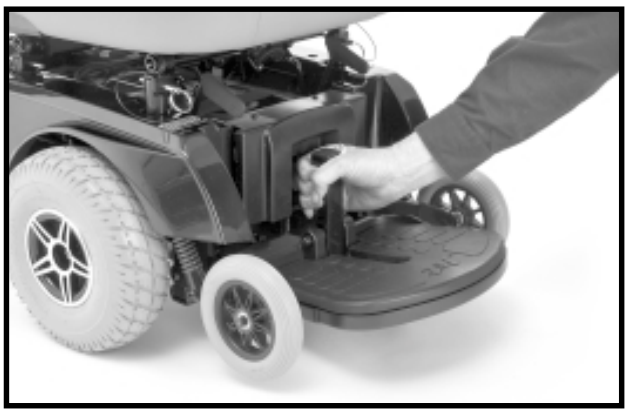

Figure 15. Removing the Foot Platform

V. DISASSEMBLY

13. Remove the left and right frame assemblies from the front frame. Stand behind the power chair and grasp the frame assembly handle on the side you wish to disassemble first. See figure 19.
14. Use your hand and thumb to hold the front frame and press and hold (toward the centre of the front frame) the silver-coloured latch release lever.
15. Hold the frame assembly with one hand and push the frame assembly outward.
16. Pull up on the front frame with your other hand until the latching mechanism releases.
17. Keep pulling upward with your hand until the locating pin on the bottom of that side of the front frame releases from its slot in the frame assembly. See figure 20.
18. Carefully let the frame assembly tilt to a resting position.

NOTE: Follow the disassembly procedure in the reverse order to assemble the unit.

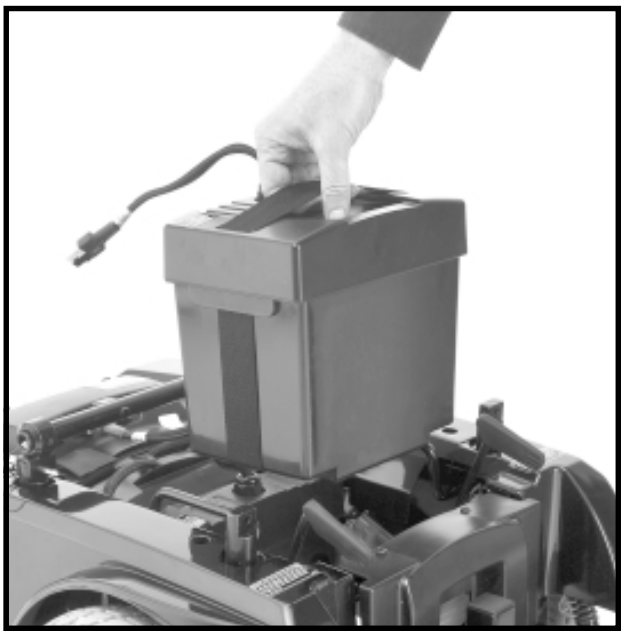

Figure 16. Removing Battery Boxes

Figure 17. Removing Battery Well Frame

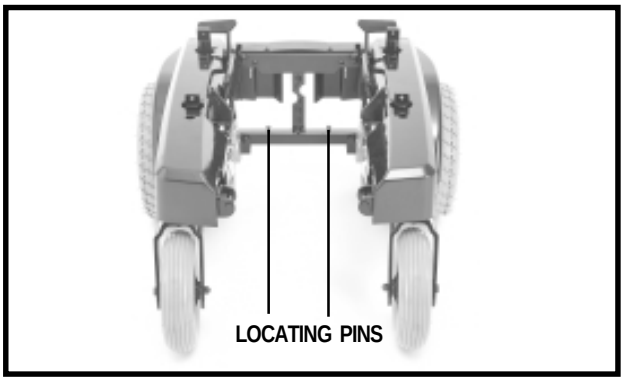

Figure 18. Battery Well Frame

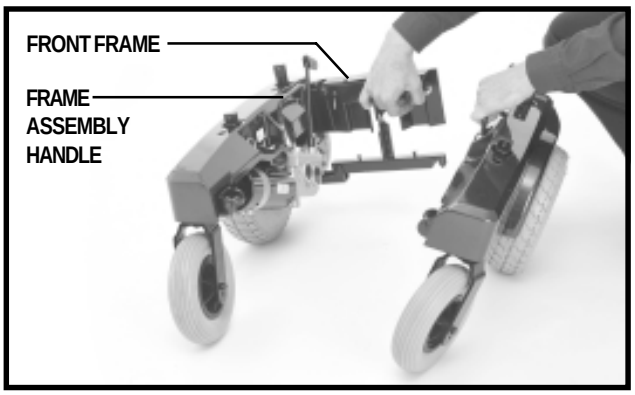

Figure 19. Removing Front Frame

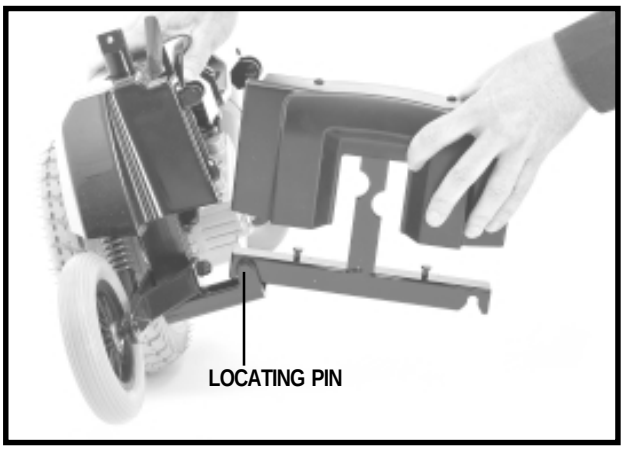

Figure 20. Front Frame Assembly

VI. COMFORT ADJUSTMENTS

COMFORT ADJUSTMENTS

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

WARNING! If your power chair was configured by your authorised Pride Dealer, 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.

WARNING! Some power chair components are heavy. You may need assistance to lift or carry them. Please refer to the specifications table for specific component weights before you disassemble the power chair.

WARNING! Prevent injury. Remove the occupant from the power chair before making any adjustments.

You may need the following to make comfort adjustments:

- metric/standard socket set and ratchet
- adjustable spanner
- metric/standard hex key set

Seat Height and Seat Angle Adjustment

The seat is attached to the power base through the UMS. You can change the seat height by raising the front and rear trapeze bars. If you raise or lower only one trapeze bar (front or rear), you can also change the seat base angle (dump).

To change the seat height:

1. Turn off the power to the controller.
2. Disconnect the controller from the electronics tray.
3. Flip up the seat latch safety. See figure 13.
4. Squeeze the seat latch and release the seat from the front trapeze bar.
5. Slide the seat forward and remove it from the power base.
6. Remove the ball detent pin from each seat post. See figure 21.
7. Raise or lower each trapeze bar to the desired position.
8. Reinstall the ball detent pin into each seat post.
9. Reinstall the seat onto the trapeze bars.
10. Connect the controller to the electronics tray.

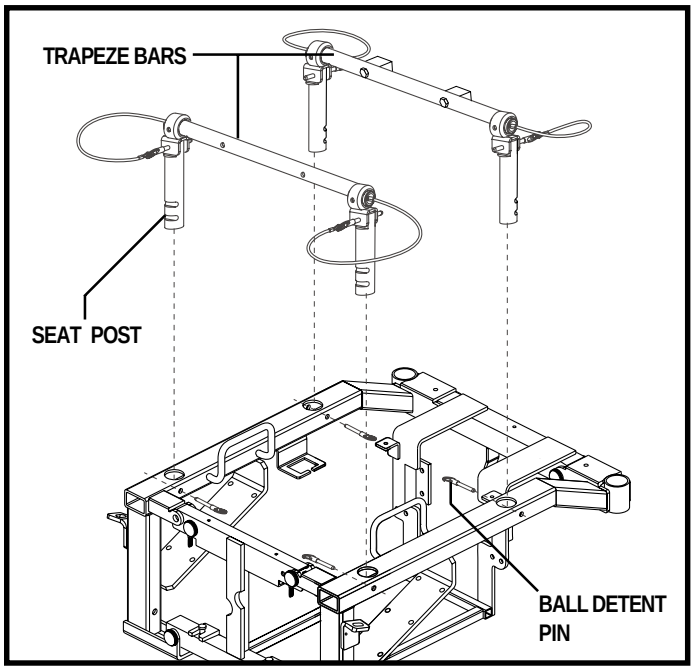

Figure 21. Seat Height and Angle Adjustments

VI. COMFORT ADJUSTMENTS

Seat Position

You can move the seat forward or rearward by changing the extrusion mounting position.

To change the position:

1. Turn off the power to the controller.
2. Disconnect the controller from the electronics tray.
3. Remove the seat from the power base.
4. Remove both extrusions from the bottom of the seat.
5. Reposition the extrusions on a different set of mounting holes. You must move both extrusions the same number of holes either forward or rearward. See figure 22.
6. Fasten the extrusions back onto the bottom of the seat.
7. Reinstall the seat.
8. Connect the controller to the electronics tray.

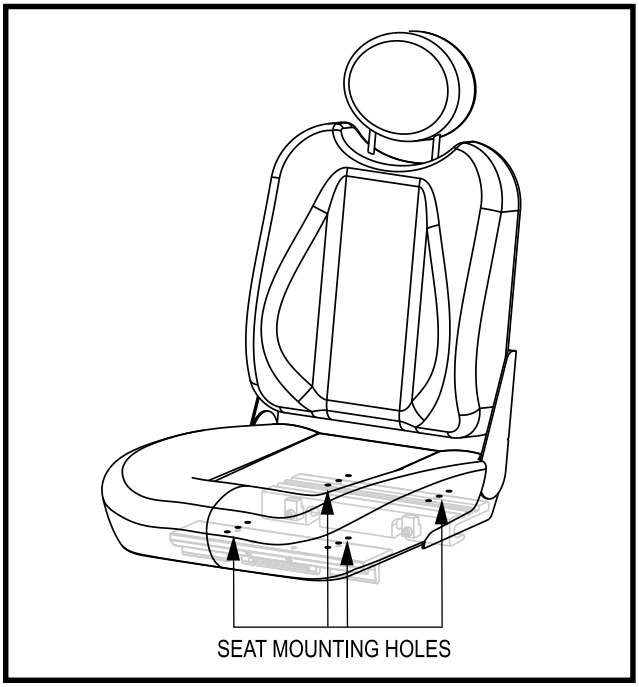

Figure 22. Seat Mounting Holes

Seatback Angle Adjustment

If your power chair is equipped with an adjustable seatback, you can adjust it to four (4) different angles: 90°, 102°, 105° or 107°.

To adjust the seatback angle:

1. Remove the adjustment screw from each seat hinge. See figure 23.
2. Set the seatback at the desired angle.
3. Reinstall the adjusting screw to each seat hinge and tighten.

Armrest Height

To change the armrest height:

1. Loosen the setscrew at the rear of each armrest.
2. Slide the armrests up or down to the desired height.
3. Tighten the setscrews.

Armrest Width

To change the armrest width:

1. Loosen the two armrest knobs on the armrest receiver bracket. See figure 23.
2. Slide the armrests in or out to the desired width.
3. Tighten the knobs.

Armrest Angle

To change the armrest angle:

1. Lift the armrest straight up so that it is perpendicular to the floor.
2. Loosen the locking nuts. See figure 23.
3. Turn the adjustment screw clockwise to lower the front of the armrest and anticlockwise to raise the front of the armrest.
4. Tighten the locking nuts to secure the adjustment screw.

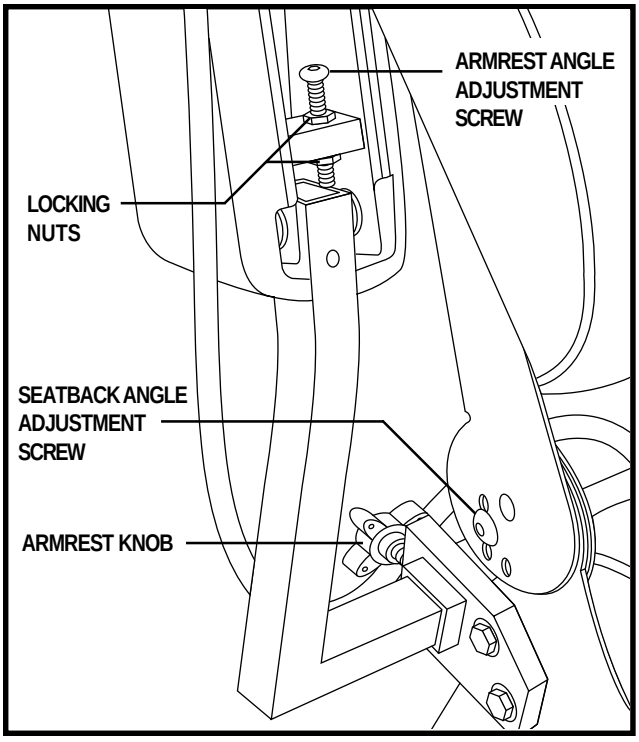

Figure 23. Seatback Angle Adjustment

VI. COMFORT ADJUSTMENTS

Controller Extension

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

To extend the controller:

1. Flip up the armrest so it is perpendicular to the floor.
2. Loosen the setscrew on the controller bracket. See figure 24.
3. Slide the controller into or out of the armrest to the desired position.

Controller Position

You can position the controller for either left-hand or right-hand use.

To change the controller position:

1. Turn off the power to the controller.
2. Disconnect the controller from the electronics tray.
3. Cut any wire ties that attach the controller cable to the armrest.
4. Flip up the armrest and loosen the setscrew. See figure 24.
5. Slide the controller out of the armrest.
6. Loosen the setscrew in the other armrest.
7. Place the controller in the other armrest.
8. Tighten the setscrew to secure the controller.
9. Use a wire tie to secure the controller cable to the armrest.
10. Connect the controller to the electronics tray.

Foot Platform Height Adjustment

The foot platform height is easily adjusted to one of six different heights, in 2.5-cm (1-in.) increments.

To raise or lower the foot platform:

1. Remove the mounting hardware from the foot platform. See figure 25.
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 to locate the setscrew. See figure 26.
2. Turn the setscrew clockwise to lower the front of the foot platform.
3. Turn the setscrew anticlockwise to raise the front of the foot platform.

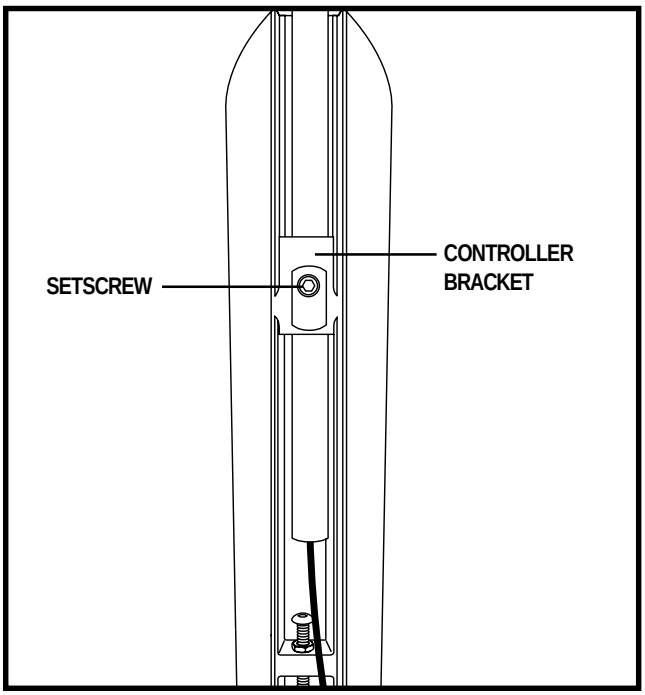

Figure 24. Underside of Armrest

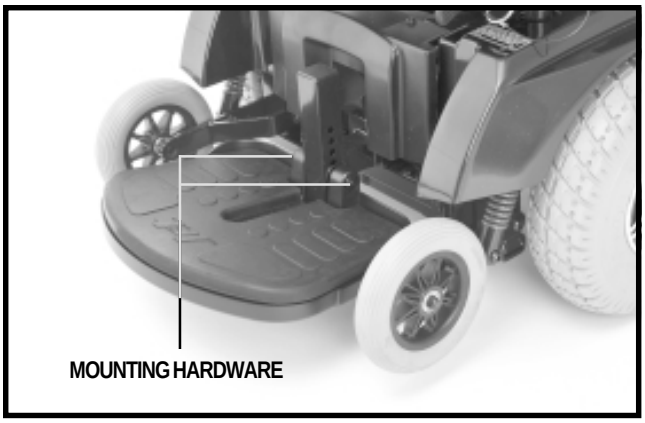

Figure 25. Foot Platform Height Adjustment

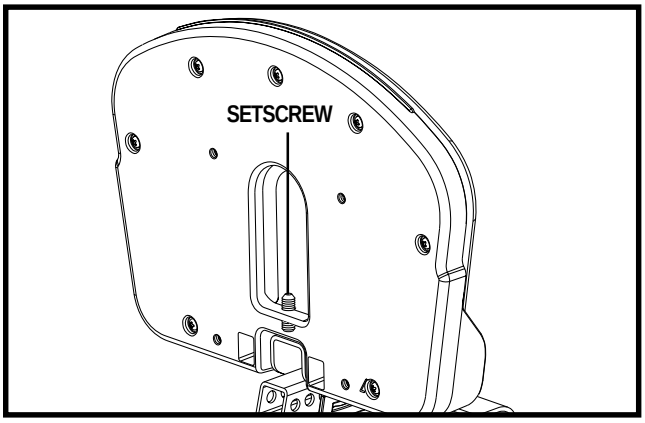

Figure 26. Foot Platform Angle Adjustment

VI. COMFORT ADJUSTMENTS

Anti-Tip Wheel Adjustment

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 the following occurs:

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

WARNING! Consult your authorised Pride Dealer 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 authorised Pride Dealer make a small adjustment to the pre-programmed deceleration setting in the controller or by moving the seat assembly farther to the back of your power chair.

PROHIBITED! Do not remove the anti-tip wheels.

NOTE: Each drive tyre must be inflated to 2.4 bar (35 psi) if equipped with pneumatic tyres.

To adjust the anti-tip wheels:

1. Make sure that the manual freewheel levers are in the drive position.
2. Turn off the power to the controller.
3. Disconnect the controller from the electronics tray.
4. Remove the seat.
5. Unplug the left and right motor connectors.
6. Unplug and remove both battery boxes.
7. Remove both left and right shrouds. Two screws fasten each shroud section to the frame. These screws are located on the top of the shroud near the seat post holes.
8. Locate the anti-tip adjustment nut. See figure 27.
9. Turn the adjustment nut anticlockwise to lower the anti-tip wheels and soften the suspension, or turn the nut clockwise to raise the anti-tip wheels and stiffen the suspension.

NOTE: Make the same adjustment to both anti-tip wheels.

10. Reinstall the left and right shrouds.
11. Reinstall both battery boxes and plug in the battery connectors.
12. Plug the left and right motor connectors into their receptacles.
13. Reinstall the seat.
14. Connect the controller to the electronics tray.

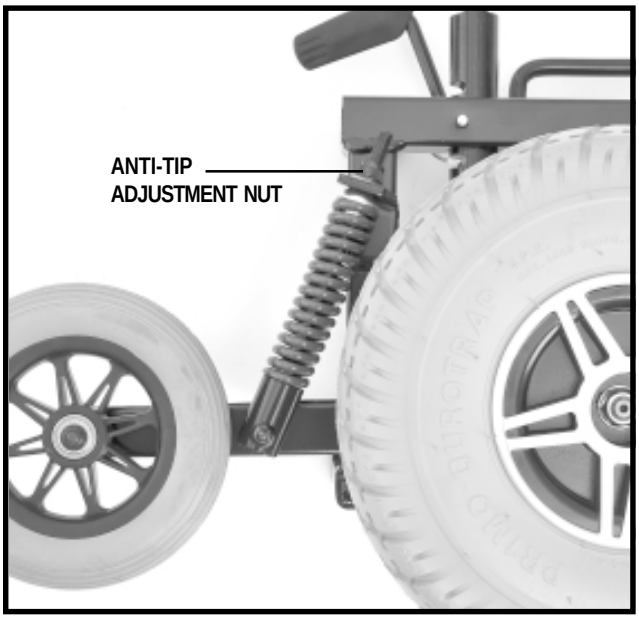

Figure 27 Anti-tip Wheel adjustment

VII. OPERATION

VSI ELECTRONIC CONTROLLER

The electronic controller is what you use to operate your power chair. 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 is an integral electronic controller. All of the electronics necessary to operate the power chair are contained in one module. See figure 28. Typically, the VSI is mounted to one of the armrests and is connected to the motors, batteries and the onboard battery charger at the power base. The VSI may be used to control some optional systems such as power elevating seats and lights.

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, but 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. actuator connector *(optional)*
5. controller connector
6. charger inhibit connector

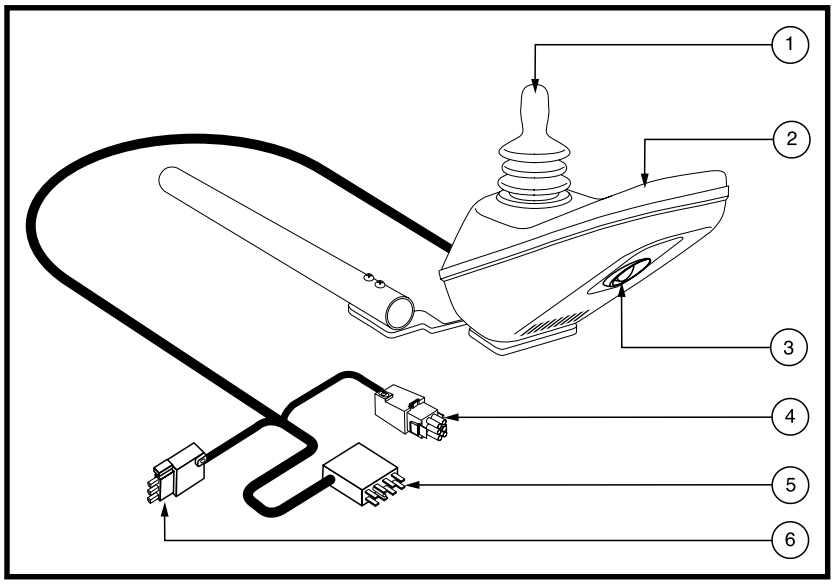

Figure 28. VSI Controller

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.

Keypad

The keypad is located in front of the joystick. It contains keys necessary to operate your power chair. See figure 29.

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 power 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 a 10-segment illuminated display located in front of the joystick. It consists of red, yellow and green lights. When the lights are on, it indicates that there is power to the VSI. The lights also indicate battery status, VSI operational status and electrical system status.

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

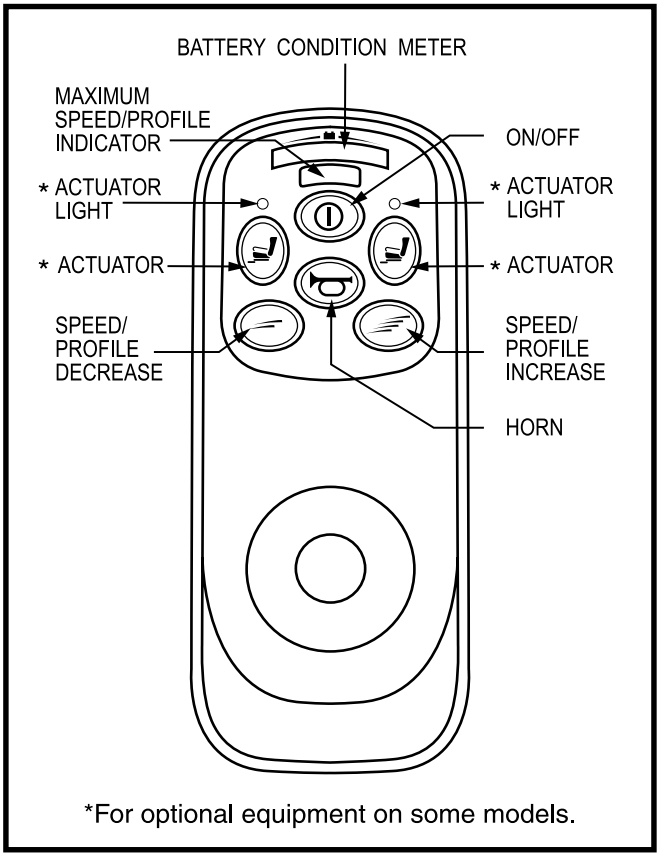

Figure 29. VSI Controller Keypad

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 Dealer.

Speed/Profile Keys

The speed/profile keys control either the speed setting or the drive profile. Press the speed/profile increase key to increase the speed setting or change the drive profile to a higher number. Press the speed/profile decrease key to decrease the speed setting or change the drive profile to a lower number. The speed setting or drive profile is displayed on the maximum speed/profile indicator. If your power chair was programmed with a drive profile, contact your authorised Pride Dealer for more information.

NOTE: We recommend that the first few times you operate your power chair, you use the lowest speed setting until you become familiar with your new power chair.

Actuator Keys and Actuator Lights (For Optional Equipment)

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 Dealer.

VII. OPERATION

Horn Key
The horn key activates the horn.

Locking/Unlocking the VSI
The VSI has a feature that enables you to lock your power chair to prevent unauthorized use.

To lock the VSI:
1. With the VSI switched 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 side to side.
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 Dealer.

Off-board Charger/Programming Socket
The off-board charger/programming socket is 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 Dealer for more information.

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

Actuator Connector
The actuator connector connects the VSI to optional powered systems such as an elevating seat or lighting system.

Controller Connector
The controller connector connects the VSI to the power chair's batteries, motors and motor brakes.

Charger Inhibit Connector
The charger inhibit connector connects the VSI to the onboard battery charger. This connection provides an inhibit that disables the VSI when the battery charger is on. The charger inhibit connector is coded with coloured dots. The dots are positioned so that you 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.

Thermal Rollback

The VSI controller is equipped with a thermal rollback circuit. This 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 decide to stop the power chair, depending on the severity of the problem. The VSI is designed to maximize 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 Dealer.

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 Dealer.
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 Dealer.
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.

VIII. BATTERIES AND CHARGING

BATTERIES AND CHARGING

The Jet 7 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 deep 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 are also unsafe for use in power chairs.

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

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

Charging Your Batteries

The battery charger is one of the most important parts of your power chair. The battery charger is designed to optimize power chair performance by charging the batteries safely, quickly and easily. The charging system consists of the charger, the charger fuse and the ammeter. The onboard battery charger is located on the battery tray. The charger fuse and the ammeter are located on the electronics tray. 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 an electrical outlet.

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

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

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.

To charge the batteries by using the onboard charger:

1. Position the rear of the power chair close to a standard electrical outlet.
2. Be certain that the controller power is turned off and the freewheel levers are in the engaged position. See III. "Your Power Chair."
3. Extend the charger power lead and plug it into the electrical outlet. Your power chair incorporates an inhibit function that disables the power chair when the charger is plugged into an electrical outlet.

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 up to as high as 5.5 amps, then gradually move back down to 0 amps as it charges.

NOTE: We recommend you charge the batteries for 8 to 14 hours. As the batteries charge, the ammeter needle will slowly drop to zero. When the batteries are fully charged, the needle will vibrate on or about the zero mark on the meter scale.

4. When the batteries are fully charged, unplug the charger power leadd from the electrical outlet, wind it up and store it for future use.

VIII. BATTERIES AND CHARGING

Off-board Charger

Your power chair may be equipped with an off-board charger. Typically, off-board chargers plug into the controller. If your power chair is equipped with an off-board charger, refer to the instructions that come with the charger.

Battery Break-in

To break in new batteries for maximum efficiency:

1. Fully recharge any new battery prior to initial use. This will bring the battery up to about 90% of its peak performance level.
2. Operate the power chair about 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 the power chair again. The batteries should 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 Questions (FAQs)

How does the charger work?

The battery charger takes the standard electrical outlet voltage (alternating current) and converts it to 28VDC (direct current). When the battery voltage is low, the charger works harder to charge the batteries. As the battery voltage approaches a full charge, the charger does not work as hard to complete the charging cycle. When the batteries are fully charged, the amperage from the charger is nearly zero. This is how the charger maintains a charge but does not overcharge the battery. The charger supplied with your power chair will not be able to charge your batteries after the batteries have been discharged to nearly zero voltage. If this happens, contact your authorised Pride Dealer for assistance.

Can I use a different battery charger?

You should use the charger supplied with your 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).

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.

- **Daily Use**

  If you use your power chair on a daily basis, charge the batteries as soon as you are finished using it for the day. Then, your power chair will be ready each morning to give you a full day's service. We recommend 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 it at least once per week for 12 to 14 hours.

NOTE: Keep the batteries fully charged and avoid deeply discharging the batteries. Do not charge the batteries for more than 24 hours.

VIII. BATTERIES AND CHARGING

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 and curves. All of these factors affect the distance or running time per battery charge. The following are a few suggestions for obtaining the maximum range per charge:

- Always charge the batteries fully prior to your trip.
- Plan your trip in advance to avoid inclines if possible.
- Limit the baggage weight to essential items.
- Maintain **2.4 bar (35 psi)** in pneumatic drive wheels.

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 and 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 different chemical technology than those 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. Deep-cycle 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 and are promptly shipped with a full charge. During shipping, the batteries encounter temperature extremes that may influence their 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 battery to stabilize and adjust to its new ambient temperature. More importantly, it takes a few "charging cycles" (a partial drain, then a full recharge) to establish the critical chemical balance that is essential to the battery's peak performance and long life. It is well worth it for you to take the time to break in the batteries properly.

How can I ensure maximum battery life?
A fully charged deep-cycle battery provides 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 batteries?
If you do not use your power chair regularly, we recommend maintaining battery vitality by charging the batteries at least once a week.

If you do not plan on using your power chair for an extended period, fully charge the batteries prior to storage. Disconnect the battery harnesses and store your power chair in a warm, dry environment. Avoid temperature extremes such as freezing conditions 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.

VIII. BATTERIES AND CHARGING

NOTE: If you are storing your power chair for an extended period of time, you may wish to block the unit up off the ground with several boards under the frame. This keeps the tyres off the ground and prevents the possibility of flat spots developing on the tyres.

What about public transport?
If you intend to use public transport while using your power chair, you must contact in advance the transport dealer to determine their specific requirements.

AGM and Gel-Cell batteries are designed for application in power chairs and in other mobility vehicles, and generally, they are safe for all forms of transport such as aircraft, buses and trains. We suggest that you contact your transport dealer to determine specific requirements of transport and packaging.

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.

IX. CARE AND MAINTENANCE

CARE AND MAINTENANCE

Your power chair is a sophisticated motorised vehicle that requires routine maintenance checks. You can perform some of these checks, but others require assistance from an authorised Pride Dealer. 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 Dealer.

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 24 hours to allow unseen water to evaporate.
3. Check the joystick operation and the brakes before using your power chair again.
4. If any inconsistencies are found, take your power chair to an authorised service centre.

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 0°C/32°F and 50°C/122°F.
- In extremely cold temperatures, the batteries may freeze. The specific temperature at which they 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 the Jet 7 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 your 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 connections to the electronics tray to ensure that they are all tight and secured properly.
- Make sure the drive tyres are inflated to **2.4 bar (35 psi)**.

WARNING! Make sure your tyres are inflated to 2.4 bar (35 psi). Do not underinflate or overinflate your tyres. Low pressure may result in loss of control, and overinflated tyres may burst. Serious personal injury may result. Overinflating tyres can cause them to explode and can result in personal injury.

- Use a rubber conditioner on the tyre sidewalls to help preserve them. Check the tyres for wear.

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.

- 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 area, with the battery terminals facing inward toward each other. Refer to the frame decal for the correct wiring layout.
- All wheel bearings are pre-lubricated and sealed. They require no subsequent lubrication.

IX. CARE AND MAINTENANCE

Daily Checks

- With the controller turned off, check the joystick. Make sure it is not bent or damaged and that it returns to the centre position when you release it. Check the rubber boot around the base of the joystick for damage. Visually inspect the boot only. Do not handle it or try to repair it. See your authorised Pride Dealer if there is a problem.
- Visually inspect the controller and charger harnesses. Make sure that they are not frayed, cut or have any wires exposed. See your authorised Pride Dealer if there is a problem with any of these harnesses.

Weekly Checks

- Disconnect and inspect the controller and charger harnesses from the electronics tray. Look for corrosion. Contact your authorised Pride Dealer if necessary.
- Ensure that all parts of the controller system are securely fastened to your power chair. Do not overtighten any screws.
- Check the tyres for excessive wear or a wobble.
- Check for proper tyre inflation. There should be **2.4 bar (35 psi)** in each tyre. If a tyre will not hold air, see your authorised Pride Dealer for replacement of the tube.
- Check the brakes. This test should be carried out on a level surface with at least 1 metre (3 feet) of clearance around your power chair.

To check the brakes:

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

NOTE: The power chair may move when performing this test. Immediately release the joystick if this occurs.

Monthly Checks

- Check that the anti-tip wheels do not rub the ground when you are operating your power chair; adjust them as necessary. See VI. “Comfort Adjustments.”
- Check for extreme wear on the anti-tip wheels. Replace them as necessary.
- Check for drive tyre wear. See an authorised Pride Dealer for repair.
- Check the rear castor wheels for wear. Replace as necessary.
- Check the rear forks for damage or fluttering which indicates that they may need to be adjusted or the bearings may need to be replaced. See an authorised Pride Dealer for repair.
- Keep your power chair clean and free of foreign material such as hair, food and drink.

Yearly Checks

Take your power chair to an authorised Pride Dealer for yearly maintenance. This helps to 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 your power chair. See VIII. “Batteries and Charging.”

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

IX. CARE AND MAINTENANCE

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.

Wheel Replacement

If you have pneumatic tyres and you have a flat tyre, 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 Dealer.

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

WARNING! Inflate your tyres from a regulated air source. Do not use a high pressure hose to inflate your tyres.

WARNING! Completely deflate the tyre before attempting repair.

Follow these easy steps for a quick and safe repair for both solid and pneumatic tyres:

1. Turn off the power to the controller.
2. Set the power chair up on blocks.
3. If you are changing a pneumatic tyre, completely deflate it before removing the wheel.
4. Remove the drive wheel nut and washers from the axle. See figure 30.
5. Pull the wheel off the axle.
6. Remove the screws that fasten the two rim halves together. See figure 31.
7. Remove the old tube from the pneumatic tyre and replace it with a new tube, or replace the entire solid wheel assembly.
8. Screw together the two rim halves.
9. Slide the wheel back onto the axle. Make sure the key is in the axle slot.
10. Reinstall the drive wheel nut and washers onto the axle and tighten.
11. Inflate the pneumatic tyre to **2.4 bar (35 psi)**.
12. Remove the power chair from the blocks.

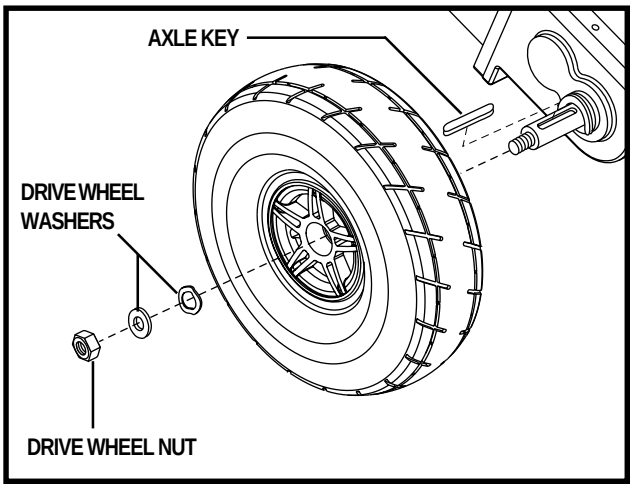

Figure 30. Drive Wheel Removal

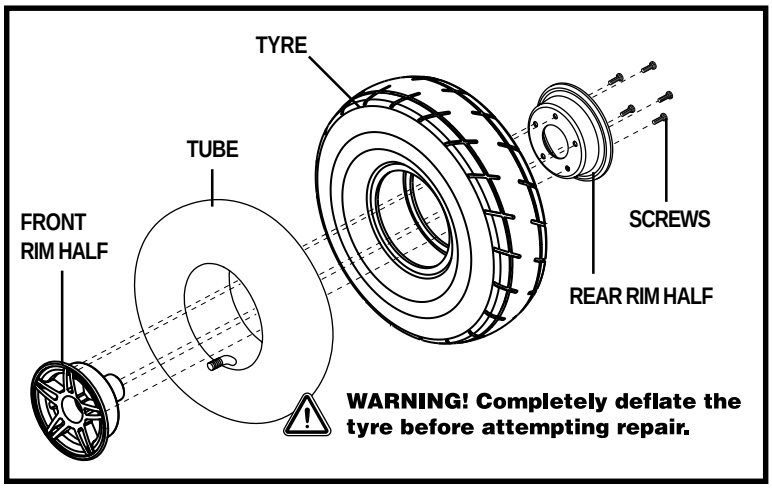

Figure 31. Drive Wheel Assembly

IX. CARE AND MAINTENANCE

Battery Replacement

WARNING! Pride Power Chair batteries are heavy. Refer to the 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. Disconnect the controller from the electronics tray.
3. Remove the seat.
4. Remove the battery boxes and set them on a solid, flat surface.
5. Unfasten the battery box straps on the bottom of each box.
6. Lift up the top cover.
7. Remove the rubber covers from the terminals. Unscrew the terminal nuts and bolts and disconnect the battery wires from the battery terminals.
8. Remove the battery from the bottom cover.
9. Place the new battery into the bottom cover.
10. Connect the red battery wire to the (+) positive terminal and the black battery wire to the (-) negative terminal.

WARNING! Make sure you tighten the fasteners so that the connections are secure.

11. Place the rubber covers over the terminals.
12. Replace the top cover on each battery box.
13. Fasten the straps and make sure the connections are secure.
14. Position the battery terminals on the opposite side of the battery charger.

WARNING! If you do not position the battery terminals on the opposite side of the charger, you run the risk of shorting out the batteries and severely damaging your power chair!

15. Place the rear battery box back into the battery well.
16. Place the front battery box back into the battery well.
17. Connect the battery box connectors to the power base. See figure 6.
18. Replace the seat.
19. Connect the controller to the electronics tray.

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

When to See Your Authorized Pride Provider for Service

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

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

IX. CARE AND MAINTENANCE

Corrective Maintenance

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

- Check the harness connections. 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 came 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 Dealer.

X. WARRANTY

LIFETIME WARRANTY

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

TWO-YEAR LIMITED WARRANTY

Drivetrain, including: motor and brake.

EIGHTEEN-MONTHS LIMITED WARRANTY

Controllers: Any attempt to open or dismantle these parts will lead to this warranty being void.

ONE-YEAR LIMITED WARRANTY

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

BATTERIES

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

NOT COVERED UNDER WARRANTY

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

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

NOTES

NOTES

NOTES

JET Power Chairs

#1 In Quality Control

Quality Control - Model Jet 7

Thank you for making the Jet 7 your choice in power chairs.

We have thoroughly inspected your power chair. 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

INFMANU1912

_____
Serial Number