

Jazzy 1113

Owner's Manual



How a Power Chair Should Feel!™

Pride
Mobility Products Australia Pty. Ltd.

21 Healey Road
Dandenong, 3175
Victoria, Australia

ACN # 088 609 661

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.



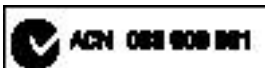
WARNING! Failure to follow designated procedures can cause either personal injury, component damage, or malfunction (black symbol on yellow triangle with black border).



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 with white border).



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).



Copyright © 2004

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

INFMANU1395/Rev H/December 2004

CONTENTS

| | |
|------------------------------------|----|
| I. INTRODUCTION | 4 |
| II. SAFETY | 5 |
| III. YOUR POWER CHAIR | 13 |
| IV. DISASSEMBLY | 18 |
| V. COMFORT ADJUSTMENTS | 21 |
| VI. ASSEMBLY | 25 |
| VII. OPERATION | 28 |
| VIII. BATTERIES AND CHARGING | 41 |
| IX. CARE AND MAINTENANCE | 45 |
| X. WARRANTY | 50 |

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

SAFETY

WELCOME to Pride Mobility Products Australia Pty. Ltd. (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 provider, caretaker, 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, 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 Provider. Please notify us of any change of address, so we can keep you apprised of important information about safety, new products, and new options that can increase your ability to use and enjoy your Pride product. Please feel free to contact us at the address below:

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

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 Provider:

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 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. See IX. "Care and Maintenance."

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 Provider for assistance.*

II. SAFETY

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.

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).

II. SAFETY

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! 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.

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 flip, resulting in personal injury.

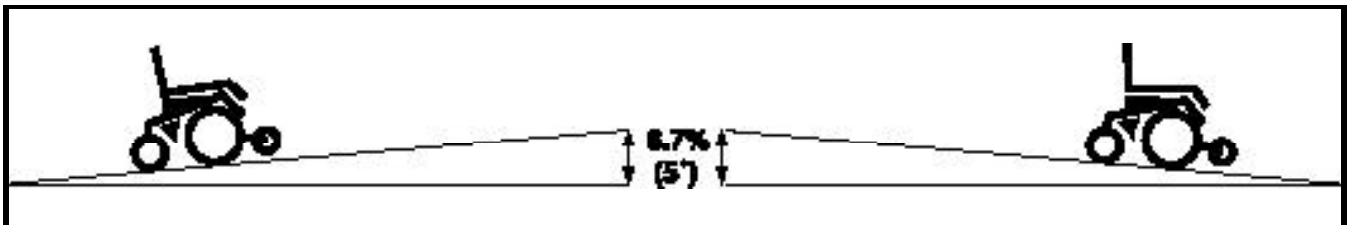


Figure 1. Maximum Safe Angle (Ascending and Descending)

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 center/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 caster 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 asphalt. 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 a manual freewheel lever 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.

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 figures 2 and 3.



WARNING! Do not attempt to have your power chair climb or descend an obstacle that is higher than 2.5 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.

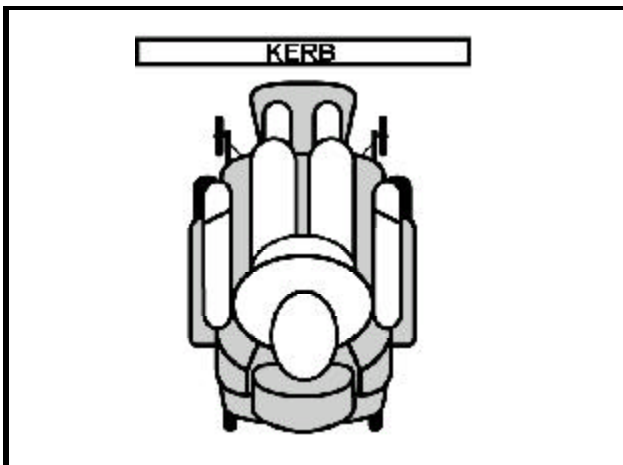


Figure 2. Correct Kerb Approach



Figure 3. Incorrect Kerb Approach

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 liftss 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 pocketbooks, 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 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.

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.

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.



Figure 4. Ideal Transfer Position

II. SAFETY

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

- Turn the power off. See VII. “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 the footrest up, or move the leg rests aside; this will help to keep your feet from getting caught on the footrest or the leg rests during the transfer.
- Reduce the distance between your power chair and the object you are transferring onto.

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 footrest. Such use may cause the power chair to tip and cause personal injury.

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.



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.

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/slippy 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.

II. SAFETY

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 center 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 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 center of gravity and the weight distribution of the power chair. This may cause your power chair to tip, possibly resulting in personal injury. Keep your hands away from the tyres when driving.

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

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

Preventing Unintended Movement



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

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.

II. SAFETY

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.



PROHIBITED! To prevent unintended movement, turn off the power to the electrically-powered mobility vehicle before using a cell phone, two-way radio, lap-top, or any other type of radio transmitter. Avoid coming into close proximity of radio or 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 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 Provider 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 caster wheels, and harness connectors. See figures 5, 6, and 7.



Figure 5. The Jazzy 1113

III. YOUR POWER CHAIR

| | Specifications |
|---------------------|---|
| Suspension: | Limited suspension |
| Drive Wheels: | 25 cm, pneumatic, center mounted (solid tyres are optional) |
| Rear Caster Wheels: | 20 cm, solid, rear articulating |
| Anti-Tip Wheels: | 15 cm, solid, front mounted |
| Maximum Speed: | Up to 6 km/h |
| Brakes: | “Intelligent Braking,” electronic regenerative, disc park brake |
| Ground Clearance: | 5 cm |
| Turning Radius: | 42 cm |
| Overall Size: | Length: 81 cm Width: 58.5 cm |
| Seating Options: | Medium-Back (standard) Recliner High-Back with headrest |
| Drivetrain: | Two motor, mid-wheel |
| Batteries: | Two 12-volt, U-1 batteries |
| Range: | Up to 40 km* |
| Battery Charger: | Onboard Off-board (optional) |
| Electronics: | 70-amp VSI Controller 70-amp Dynamic DX Controller (Europa) 70-amp PG Drives Remote Plus |
| Weight Capacity: | 136 kg |
| Component Weights: | Base: 36 kg Front frame: 1 kg Right frame assembly: 15 kg Left frame assembly: 15 kg Battery well frame: 6 kg Seat: 15 kg Batteries: 11 kg each |

*Depending on user weight and terrain.

III. YOUR POWER CHAIR

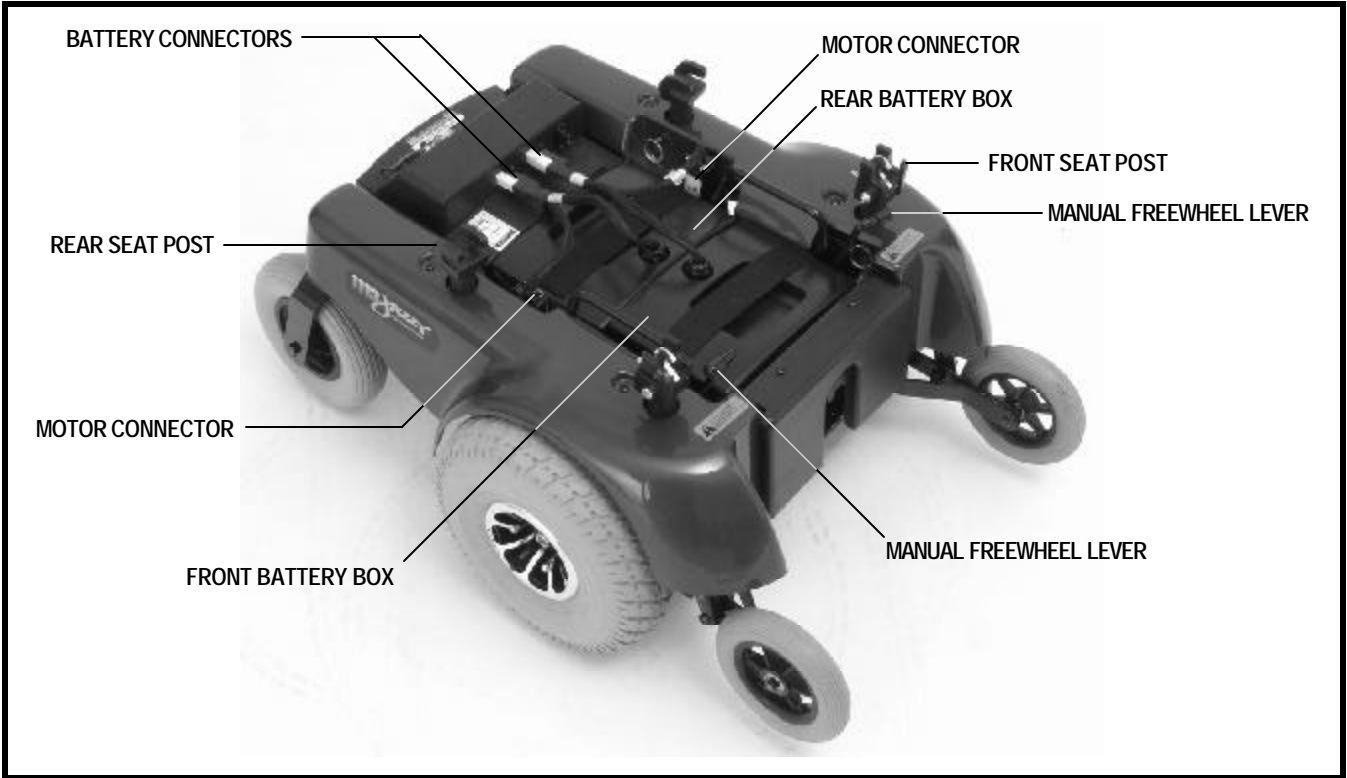


Figure 6. Power Base Top View

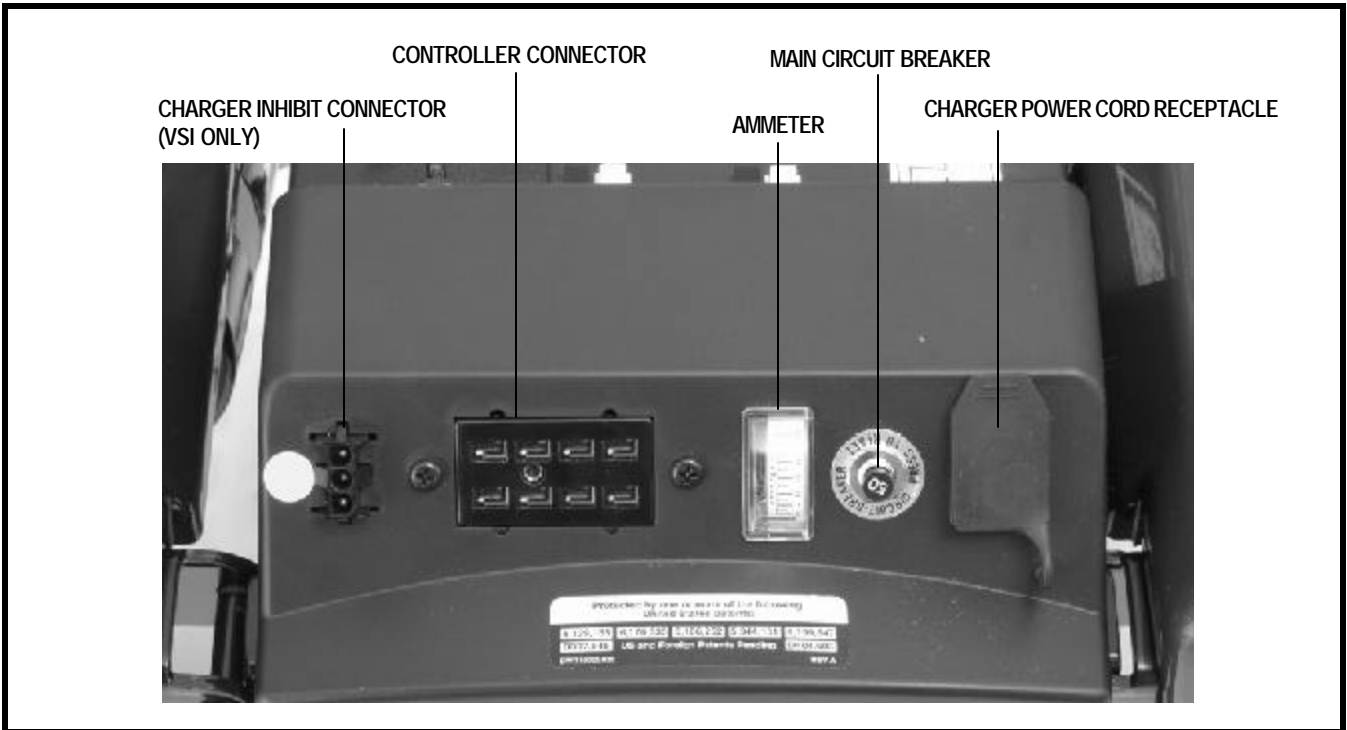


Figure 7. Electronics Tray

III. YOUR POWER CHAIR

The Power Base Assembly

The power base assembly consists of the right and left frame assemblies, the front and rear battery boxes, and the electronics tray. See figures 5, 6, and 7.

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

Charger Power Cord Receptacle: This is where the charger power cord plugs into the onboard charger. The charger power cord also plugs into a standard wall outlet.

Charger Fuse(s): The charger fuse protects the ammeter from overload during charging. The charger fuse is located under the electronics tray. A spare fuse is included.

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 breaker trips, allow your power chair to "rest" for approximately one minute. Then push in the circuit breaker reset button, turn on the controller, and continue normal operation. If the main circuit breaker trips repeatedly, contact your authorised Pride Provider.

Controller Connector: This is where the controller connects to the battery, the motors, and the motor brakes. The VSI controller connector is shown.

Charger Inhibit Connector (VSI only): The VSI controller is equipped with a charger inhibit. The charger inhibit enables the onboard battery charger to disable the controller during charging. The charger inhibit connector is coded with colored 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 onboard charger, and the connectors.

Manual Freewheel Levers

For your convenience, your power chair is equipped with two manual freewheel levers - one for each motor/brake assembly. See figures 8 and 9. 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 drive motors:

1. Turn the freewheel levers outward to disengage the drive motors.
2. Turn the freewheel levers toward the front of the power chair to engage the drive motors.



WARNING! Remember that when your power chair is in freewheel mode, the electronic braking system is disengaged.

III. YOUR POWER CHAIR

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



Figure 8. Drive Motor Disengaged

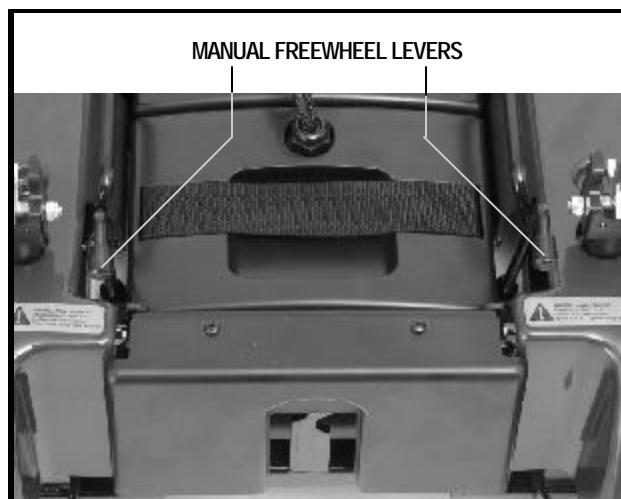


Figure 9. Drive Motors Engaged

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 10. To disengage the manual park brake, pull the manual park brake lever up. See figure 11.



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

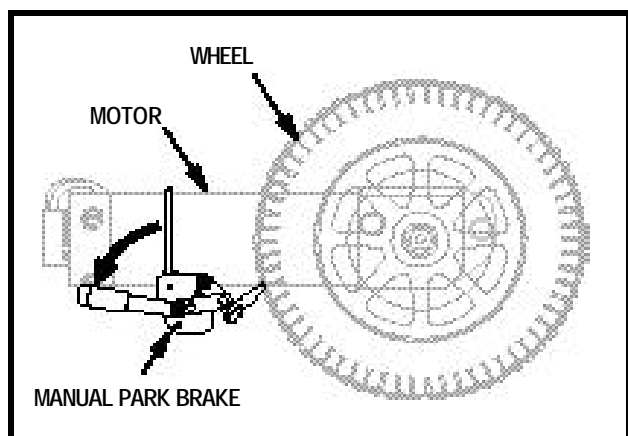


Figure 10. Manual Park Brake Engaged

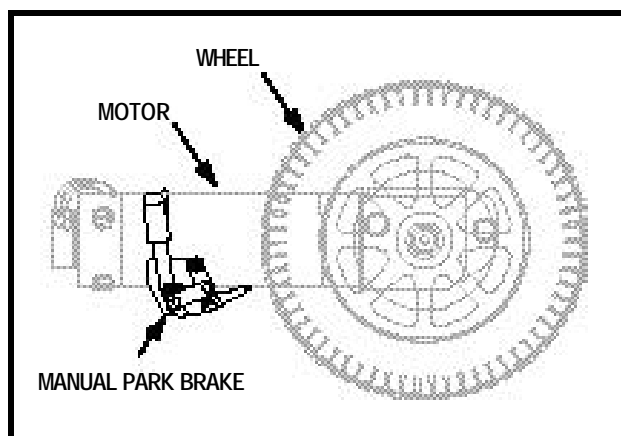


Figure 11. Manual Park Brake Disengaged

IV. DISASSEMBLY

DISASSEMBLY

Your power chair disassembles into eight easily transportable component assemblies (see figure 12)—with no tools required.



WARNING! Even though no tools are required to disassemble or assemble the 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 components weights.

NOTE: During both the disassembly and the assembly of the your power chair, you may find it helpful to engage the drive motors so that the power chair does not roll while you are disassembling or assembling it. See III. “Your Power Chair.”

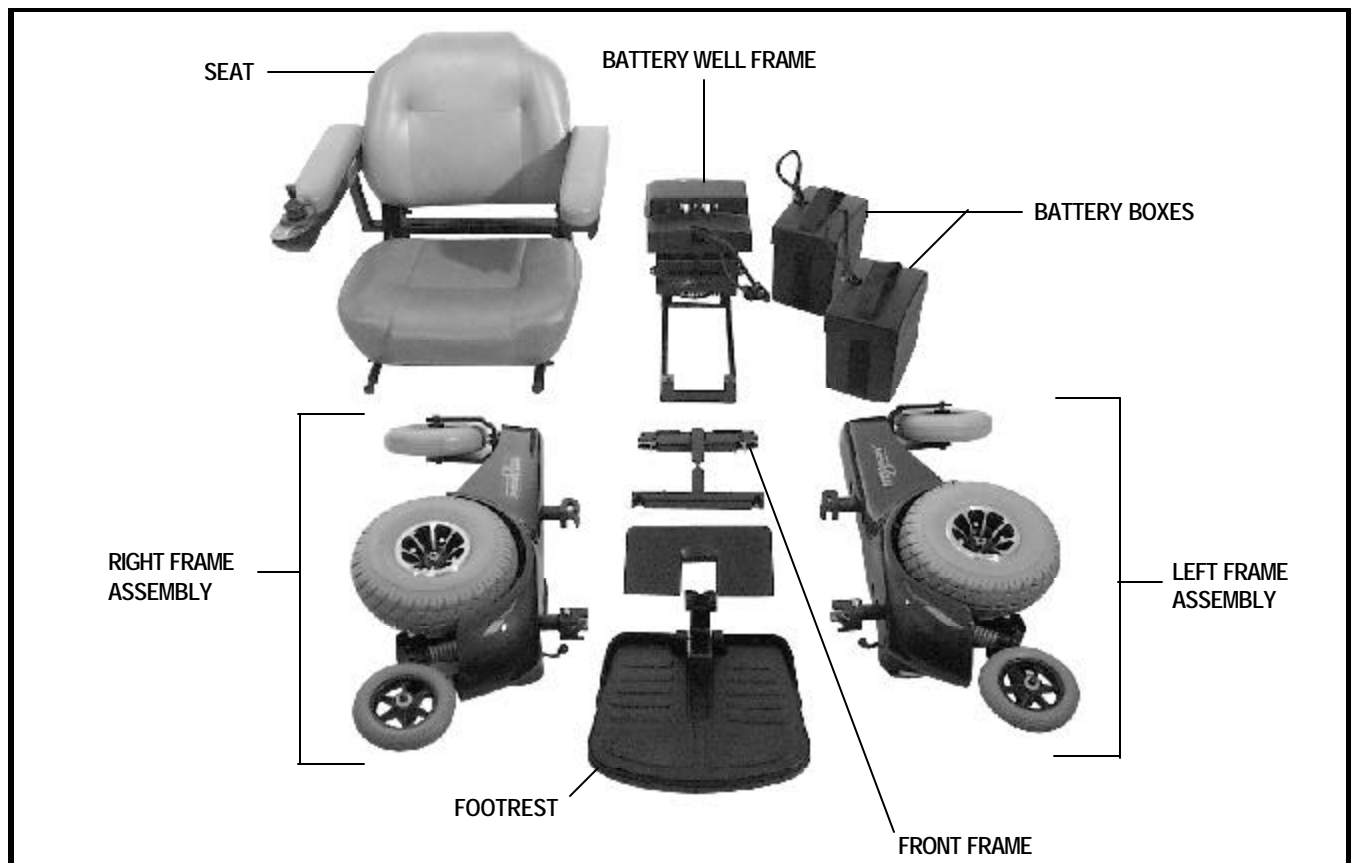


Figure 12. The Jazzy 1113 Component Assemblies

To disassemble the Jazzy 1113:

Turn off power to the unit, and position the power chair in a location where there is ample working room on all four sides of the unit. We recommend 1 meter or more of clearance on all sides. There are eight component assemblies, some of which take up a great deal of space when disassembled from the chair. See figure 12.

IV. DISASSEMBLY

To remove the footrest:

Remove the footrest by sliding 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 13.

To disconnect the controller:

Disconnect the controller connector (and charger inhibit if equipped) from the electronics tray located at the rear of the power chair. See figures 7 and 14. You may need to pull firmly and gently wiggle the connector to remove it from the socket. For the smaller connector, you must squeeze the connector latch release levers to disconnect the connector from the socket.

To remove the seat:

1. Disconnect the controller connector from the electronics tray.
2. Push in the black spring-loaded seat release buttons (one on the front of each seat frame side tube). See figure 15.
3. While you are pushing both buttons or levers simultaneously, lift up on the front end of the seat frame.
4. Pull forward on the seat frame to release the locating pins from their slots in the rear seat posts. You may find it necessary to wiggle the frame gently from side to side to free the locating pins from their slots.



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.

To remove the battery well frame:

1. Remove the seat from the power base.
2. Disconnect the battery box connectors from the electronics tray. See figure 16.
3. Remove the battery boxes (with the batteries in them) from the battery well frame.
4. Disconnect the left motor connector from its matching socket located on the left frame assembly. Squeeze the connector latch release levers to disconnect.
5. Disconnect the right motor connector from its matching socket located on the right frame assembly. Squeeze the connector latch release levers to disconnect.



Figure 13. Footrest Removal



Figure 14. Disconnect the Controller Connector

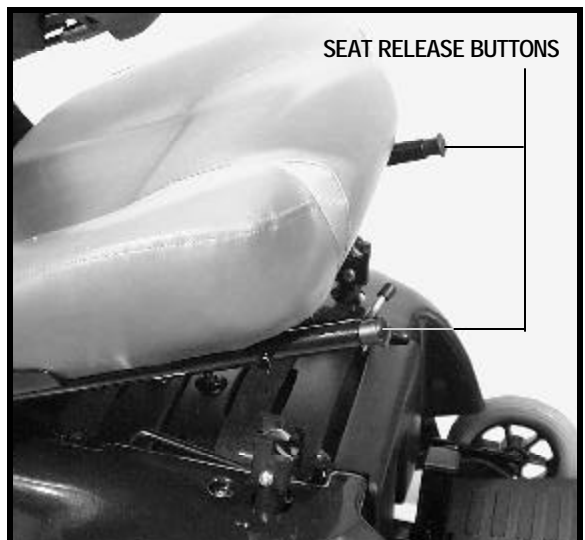


Figure 15. Seat Removal

IV. DISASSEMBLY

6. Squeeze together the latch release levers that hang vertically down from the crossbar at the rear of the battery well frame. See figure 17. Lift up the rear end of the battery well frame. Pull it to the rear of the chair to release the front slots from the locating pins on the bottom bar of the front frame.

To disassemble the right frame assembly from the front frame:

1. Remove the battery well frame.
2. Stand behind the unit and grasp the right frame assembly handle (located next to the front seat post) with your right hand.
3. Use your left hand and thumb to hold the front frame and press and hold (toward the center of the front frame) the silver-colored latch release lever. See figure 18.
4. Push the right frame assembly outward (toward the right) with your right hand holding the right frame assembly handle.
5. Pull up with your left hand on the front frame until the latching mechanism releases.
6. Keep pulling upward with your left hand until the locating pin on the bottom of that side of the front frame releases from its slot in the right frame assembly.
7. Carefully let the right frame assembly tilt to a resting position.

To disassemble the left frame assembly from the front frame:

1. Remove the battery well frame.
2. Stand behind the unit and grasp the left frame assembly handle (located next to the front seat post tower) with your left hand.
3. Use your right hand and thumb to hold the front frame and press and hold (toward the center of the front frame) the silver-colored latch release lever. See figure 18.
4. Push the left frame assembly outward (toward the left) with your left hand holding the left frame assembly handle.
5. Pull up with your right hand on the front frame until the latching mechanism releases.
6. Keep pulling upward with your right hand until the locating pin on the bottom of that side of the front frame releases from its slot in the left frame assembly.
7. Carefully let the left frame assembly tilt to a resting position.

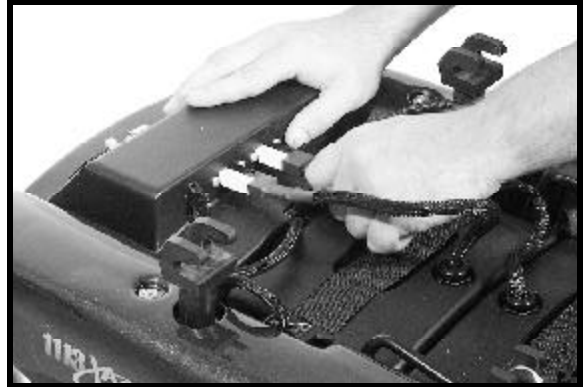


Figure 16. Disconnect Battery Boxes

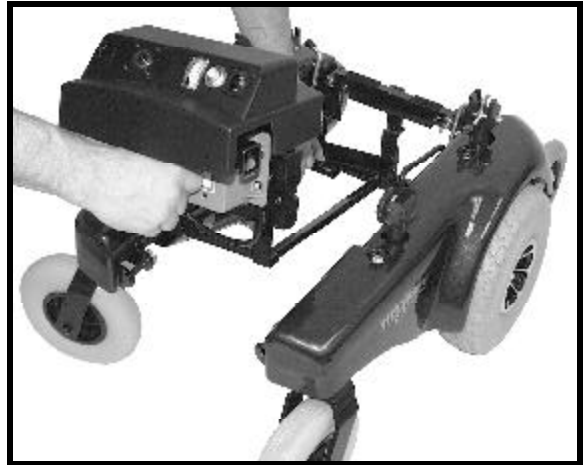


Figure 17. Battery Well Removal



Figure 18. Side Frame Removal

V. COMFORT ADJUSTMENTS

COMFORT ADJUSTMENTS

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



WARNING! If your power chair was configured at your authorised Pride Provider or service center, please consult your health care professional before changing seat position or making any other adjustment. Some of these adjustments may degrade power chair performance and safety by changing its center of gravity.

You may need the following to make comfort adjustments:

- metric/standard socket set and ratchet
- adjustable spanner
- thread lock

Seat Height and Angle

You can change the seat height by either raising or lowering the four seat posts.

To change the seat height:

1. Remove the seat. See IV. "Disassembly."
2. Remove the ball detent pin from each seat post. See figure 19.

NOTE: Before you can remove the ball detent pin from each front seat post, you must first remove the front battery box. See IV. "Disassembly."

3. Raise or lower each seat post to the desired position.
4. Install the ball detent pin into each seat post.
5. Reinstall the seat.

To change the seat angle:

You can change the seat angle by either raising or lowering only one set of seat posts (front or rear).

Armrest Width

To change the armrest width:

1. Locate the two knobs on the armrest receiver bracket. See figure 20.
2. Loosen the knobs and slide the armrests in or out to the desired width.
3. Tighten the knobs.

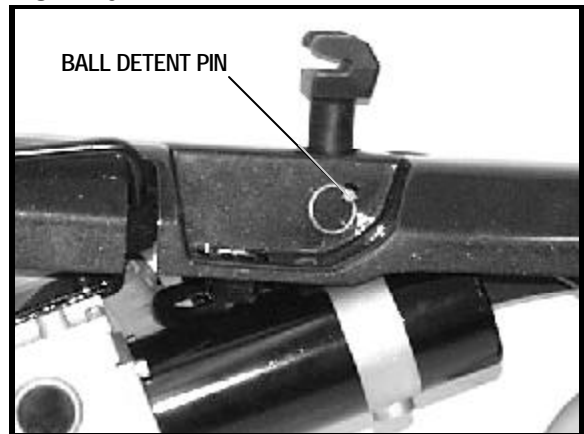


Figure 19. Seat Height Adjustment

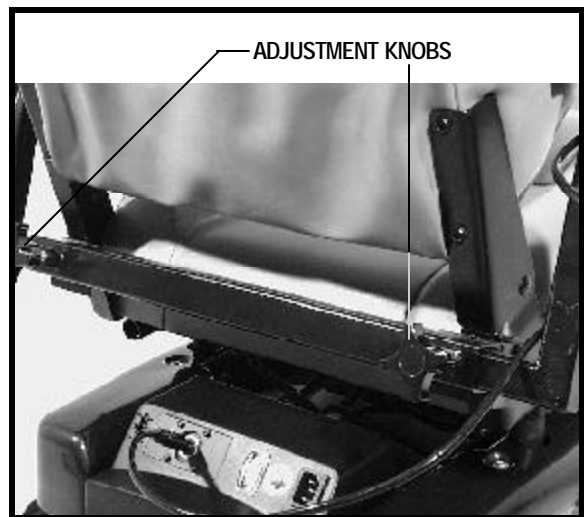


Figure 20. Armrest Width Adjustment

V. COMFORT ADJUSTMENTS

Armrest Angle

You can increase or decrease the armrest angle to fit your specific needs. See figure 21.

To change the armrest angle:

1. Lift the armrest straight up so that it is perpendicular to the floor.
2. Loosen the jam nut. See figure 21.
3. Loosen the adjustment screw.
4. Turn the screw clockwise to lower the front of the armrest and anticlockwise to raise the front of the armrest.
5. Lock the adjustment screw into place by tightening the jam nut.

Armrest Height (Optional)

Your power chair may be equipped with height-adjustable armrests.

To change the armrest height:

1. Remove the ball detent pin from the armrest.
2. Move the armrest up or down to the desired height.
3. Align the holes and reinsert the ball detent pin.

Controller Extension

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

To extend the controller:

1. Lift the armrest until it is perpendicular to the floor.
2. Loosen the setscrew. See figure 21.
3. Slide the controller mounting bracket into or out of the armrest to the desired position.
4. Tighten the setscrew.
5. Lower the armrest.

Controller Position

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

To change the controller position:

1. Disconnect the controller harness from the electronics tray. See figure 7.
2. Cut the wire tie that attaches the controller cable to the armrest.

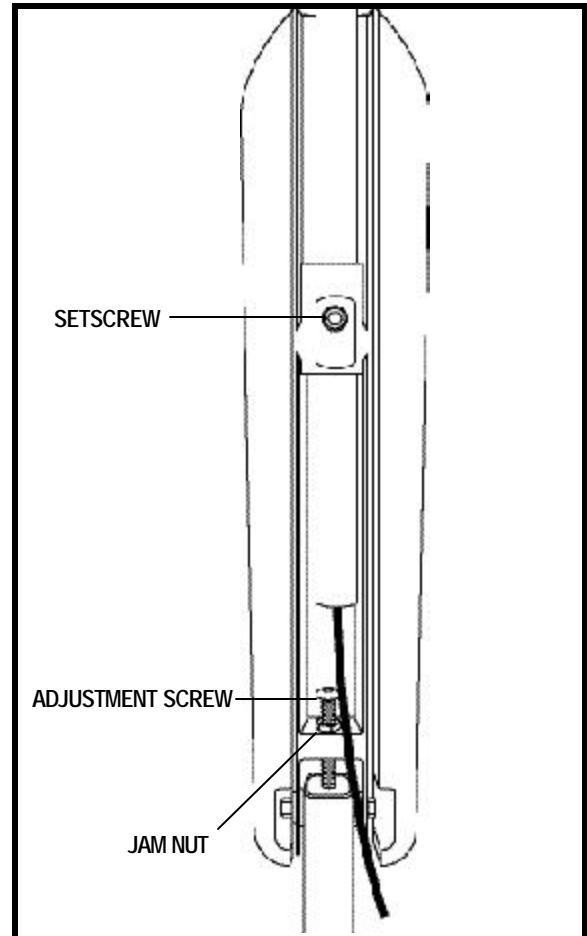


Figure 21. Armrest and Controller Adjustment (Underside of Armrest)

V. COMFORT ADJUSTMENTS

3. Lift the armrest until it is perpendicular to the floor and loosen the setscrew. See figure 21.
4. Slide the controller out of the armrest.
5. Loosen the setscrew in the other armrest.
6. Slide the controller into the other armrest.
7. Tighten the setscrew to secure the controller.
8. Use a wire tie to secure the controller cable to the armrest.

Footrest Height

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

To raise or lower the footrest:

1. Remove the footrest mounting hardware. See figure 22.
2. Raise or lower the footrest to the desired height.
3. Reinstall the footrest mounting hardware and tighten.

Footrest Angle

The footrest angle is easily adjusted to several positions. See figure 23.

To adjust the footrest angle:

1. Flip up the footrest and locate the setscrew. See figure 23.
2. Turn the setscrew clockwise to lower the front of the footrest .
3. Turn the setscrew anticlockwise to raise the front of the footrest.

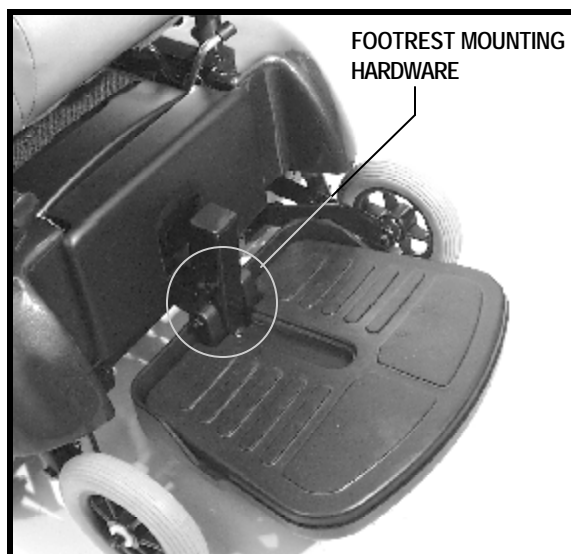


Figure 22. Footrest Height Adjustment

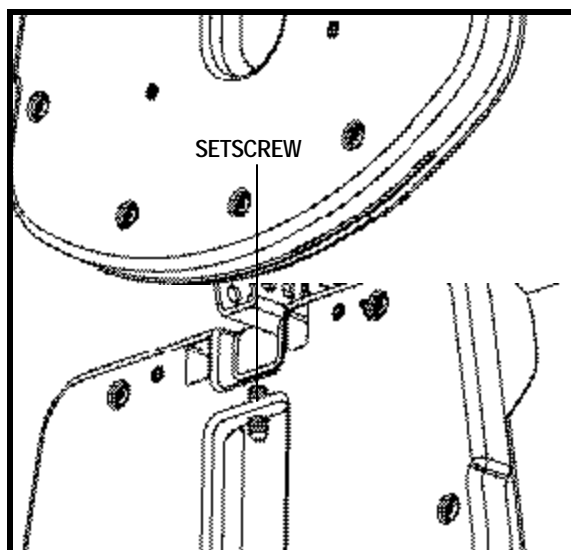


Figure 23. Footrest Angle Adjustment

V. COMFORT ADJUSTMENTS

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 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 authorised Pride Provider before attempting to change the anti-tip wheel height! Changing the anti-tip wheel height affects handling under deceleration!



WARNING! The higher you raise the anti-tip wheels, the more you increase your power chair's tendency to tilt forward when coming to a stop. You can compensate for this by having your authorised Pride Provider make a small adjustment to the pre-programmed deceleration setting in the controller or by moving the seat assembly farther to the rear of your power chair.

To adjust the anti-tip wheels:

1. Make sure that the manual freewheel levers are in the drive position.
2. Unplug the controller connector(s) from the electronics tray.
3. Remove the seat. See IV. "Disassembly."
4. Unplug the left and right motor connectors.
5. Unplug and remove both battery boxes.
6. Remove all four seat post ball detent pins and remove the seat posts.
7. Remove both left and right shrouds by loosening and removing the hardware located on the top of the body shroud near the seat post holes.
8. Locate the anti-tip adjustment nut. See figure 24.
9. Turn the adjustment nut anticlockwise to lower the anti-tip wheels and soften the suspension. Turn the adjustment nut clockwise to raise the anti-tip wheels and stiffen the suspension. Make the same adjustment on both anti-tip wheels.
10. Reinstall the left and right shrouds.
11. Reinstall the four seat posts.
12. Reinstall both battery boxes.
13. Plug the left and right motor connector(s) back into their sockets.
14. Reinstall the seat.
15. Plug the controller connectors into the electronics tray.



Figure 24. Anti-Tip Adjustment

VI. ASSEMBLY

ASSEMBLY

1. Place the three frame assemblies next to each other as shown in figure 25.
2. Stand behind the assemblies and grasp the front frame with your left hand. Fit the notch on the bottom bar of the front frame onto the locating pin on the lower section of the right frame assembly. (The frame is shown in figure 26.)
3. Pivot the front frame top bar toward the right frame assembly and, while holding the latch release lever, push the top bar of the front frame onto the locking mechanism until the two assemblies snap securely into place. Release the latch release lever to hold the two assemblies together.

NOTE: *The front frame should be positioned with the two semicircular notches in the vertical bar facing forward.*

4. Grasp the left frame assembly and lift it to an upright position.
5. Tilt the front frame with the right frame assembly attached so that the notch on the bottom bar of the front frame fits onto the locating pin on the bottom section of the left frame assembly.

NOTE: *You will need to tilt the left frame assembly slightly away from the front frame to make the parts fit together. See figure 27.*

6. While holding the latch release lever, pivot the right frame assembly and the front frame until the locking mechanism on the top bar of the front frame snaps securely to the left frame assembly. Release the latch release lever to hold the two assemblies together.



WARNING! Make certain that the front frame is snapped securely to both the right frame assembly and to the left frame assembly.



Figure 25. Frame Assemblies

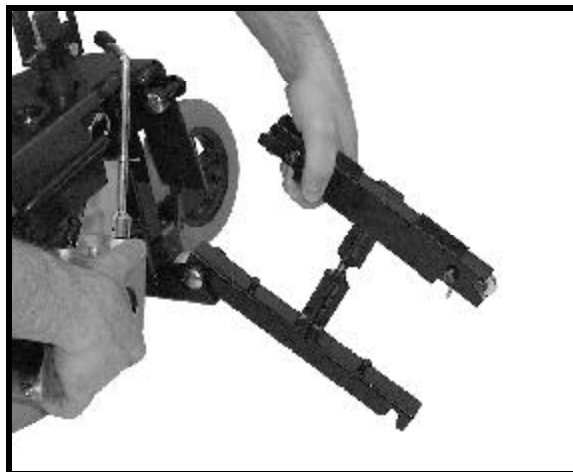


Figure 26. Frame Assembly Connection

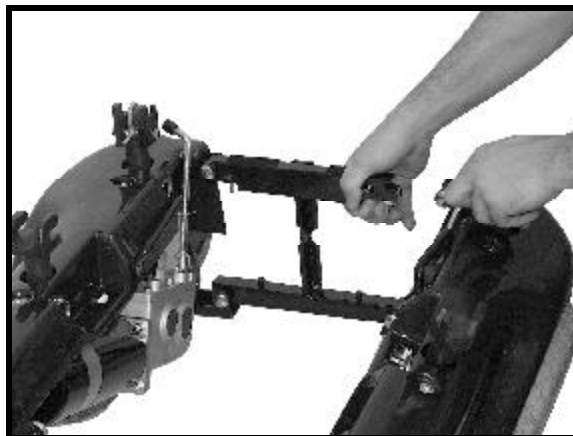


Figure 27. Fitting the Frames

VI. ASSEMBLY

To install the battery well frame:

1. Face the rear of the unit and hold the battery well frame so that the “belly” of the well hangs downward.
2. Position the notches on the front of the battery well frame onto the locating pins on the bottom bar of the front frame. See figure 28.
3. Fit the notch on either side of the rear of the battery well frame onto the locating pin on the right frame assembly and onto the locating pin on the left frame assembly.
4. Make certain that the locking mechanisms snap securely into place.

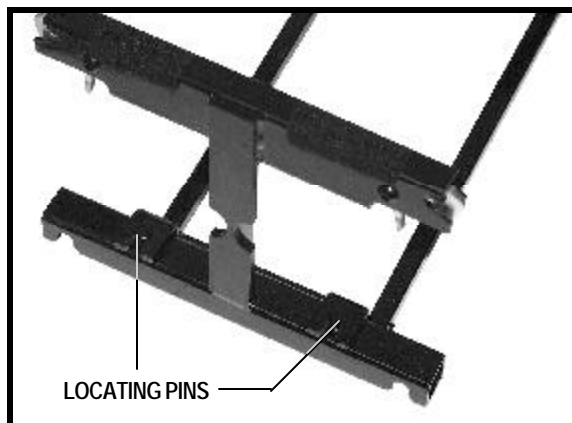


Figure 28. Front Frame Locating Pins

To install the battery cases:

1. Place the front battery box (with the battery inside) into the front end of the battery well frame.

NOTE: *Make certain that the battery connectors are facing toward the center.*

2. Place the rear battery box (with the battery inside) into the back end of the battery well frame.
3. Make certain that none of the wiring harnesses or cables are pinched between the battery or the motor controller box and the frame.
4. Connect the battery connectors from the front and rear battery boxes to the electronics tray. Push the connector firmly and fully into the socket. See figure 6.
5. Reconnect the left and right motor connectors to their sockets located on the left and right frame assemblies. Be certain to match the left connector to the left motor and the right connector to the right motor (the connectors are labeled left and right). See figure 6.



Figure 29. Seat Installation

To install the seat:

1. Pick up the seat by the frame itself (not by the armrests) and slide the locating pins near the back of the frame into the matching slots on the left and rear seat post mounts.
2. Slide the pins to the back of the slots. It may be necessary to wiggle the seat slightly from side to side to seat the pins firmly at the back of the slots.
3. Push the front of the seat frame down until both the left and the right frame sides lock into the front seat post mounts. See figures 29 and 30.

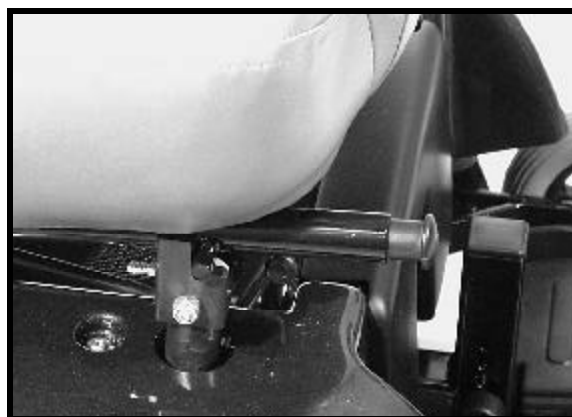


Figure 30. Locking the Seat Frame

VI. ASSEMBLY

To mount the footrest:

1. Match the two tabs at the back of the footrest mounting bracket with the two semicircular notches in the vertical bar of the front frame.
2. Push the tabs through the matching notches.
3. Slide the footrest down into place. See figure 31.

To connect the controller:

1. Attach the controller to the seat arm. See V. "Comfort Adjustments."
2. Plug the controller connector into the electronics tray on the rear battery tray weldment as shown in figure 32.



WARNING! Do not place the controller cable so that it can be pinched in the seat frame or the power base frame.



Figure 31. Mounting the Footrest



Figure 32. Controller Connector

VII. 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 your power chair, as well as monitor battery charge, electronic controller functions, and the condition of your electrical system. Also, the VSI controller may be used to control some optional systems such as power elevating seats and lights. 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 33. Typically, the VSI controller is mounted to one of the armrests and is connected to the motors, batteries, and the onboard charger at the power base (i.e., at the electronics tray or a battery box).

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. actuator connector (optional)
5. controller connector
6. 3-pin charger inhibit connector

JOYSTICK

The joystick controls the direction and speed of your power chair. When you move the joystick from the neutral (center) 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, the electromagnetic brakes engage and the power chair comes 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 34.

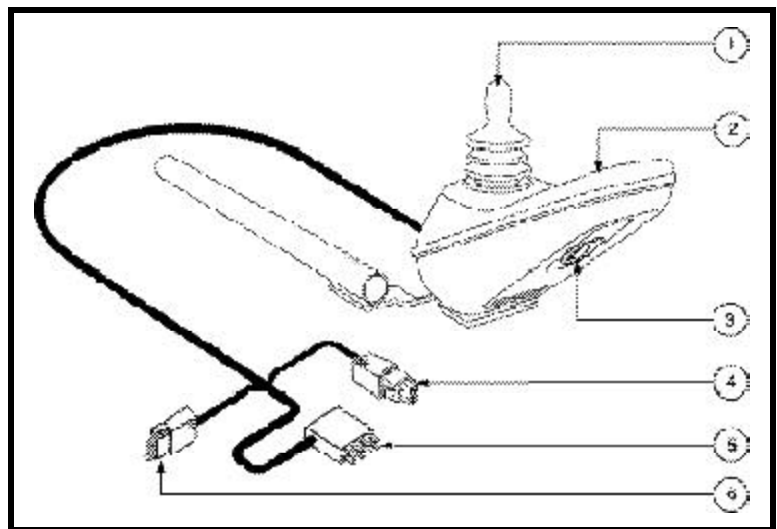


Figure 33. VSI Controller

VII. OPERATION

On/Off Key

The on/off key powers 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.
- **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 an authorised Pride Provider.

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!

Speed/Profile Keys

There are two keys that control either the speed or the profile. This depends on whether your VSI was programmed for speed or with a profile. 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 an 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.

Horn Key

The horn key activates the horn.

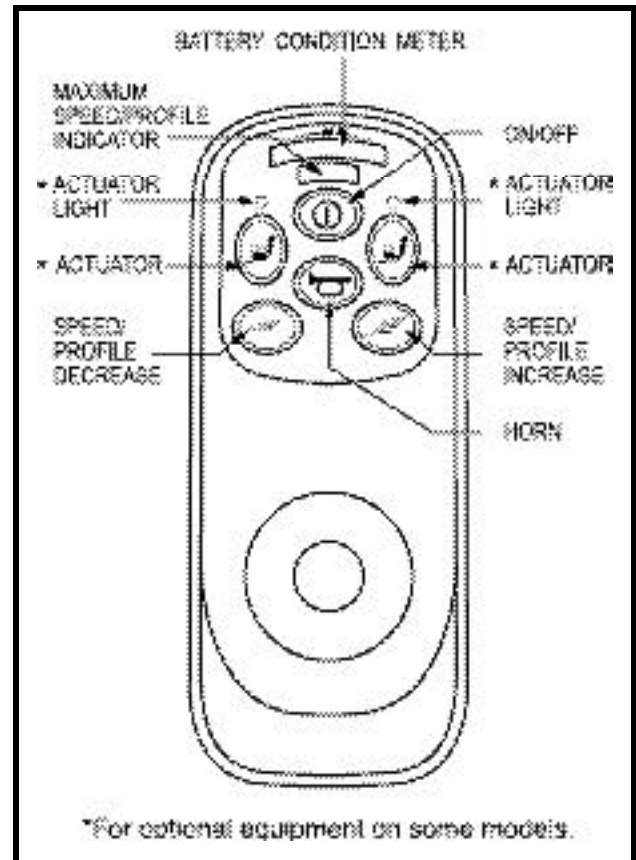


Figure 34. VSI Controller Keypad

VII. OPERATION

Actuator Keys and Actuator Lights (for optional equipment on some models)

Actuator keys and actuator lights are used for optional equipment such as power elevating seats or power elevating leg rests. Contact your authorised Pride Provider for more information.

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 12 amps. Contact an authorised Pride Provider for more information.



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

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

3-PIN 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. The charger inhibit connector is coded with colored 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. It is typically mounted next to the controller connector on the power base.



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

CONTROLLER CONNECTOR

This connects the VSI to the power chair's batteries, motors, and motor brakes. It is typically mounted on the power base.

ACTUATOR CONNECTOR (FOR OPTIONAL EQUIPMENT ON SOME MODELS)

This connects the VSI to optional equipment such as a lighting system or a power elevating seat. It is typically mounted on the power base.

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 one (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.

VII. OPERATION

To unlock the VSI:

1. Press the on/off key and 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 an authorised Pride Provider.*

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 55° C/131° F, the motor current limit is reduced by .55 amps. This reduces power chair “power,” which could also reduce power chair speed. Once the VSI controller reaches 70°C/158° F, the current output is reduced to zero and your power chair will stop. This allows the electrical components and motors to cool down. When the temperature returns to a safe level, your power chair resumes its normal operation.

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 lights. If you get one of these error codes, contact an authorised Pride Provider.

VSI ERROR CODES

| 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 (center) 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. OPERATION

EUROPA 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 also enables you to monitor battery charge, electronic controller functions, and the condition of your electrical system. Also, it may be used to control some optional systems such as power elevating seats and lights. The Europa electronic control system is a modular system. The electronics necessary to operate your power chair are contained in several modules located on different parts of your power chair. Typically, the Europa Controller is mounted to one of the armrests. The other components are located inside 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 Europa Controller consists of:

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

JOYSTICK

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

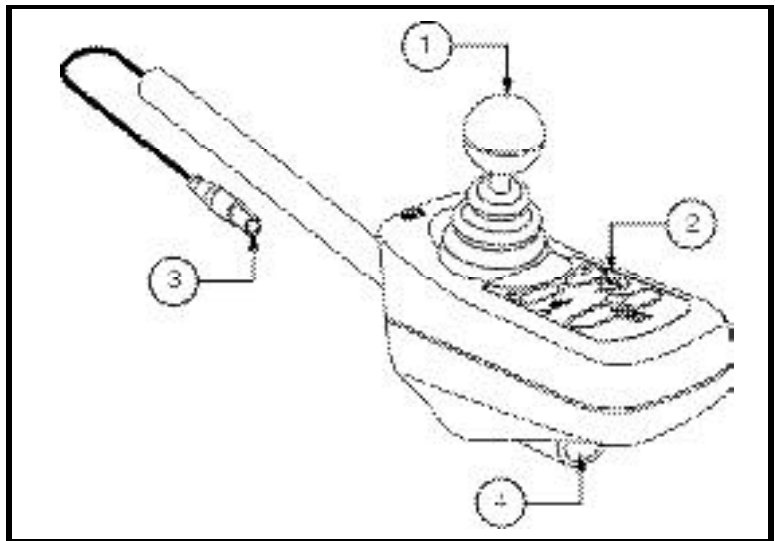


Figure 35. Europa Master Remote



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 directly in front of the joystick. It contains keys that you will use to control your power chair. See figure 36.

VII. OPERATION

On/Off Key

The on/off key toggles the system power 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.

NOTE: *If the joystick is not in the neutral (center) position when you turn on the power, you may cause a fault in the system. See “Out Of Neutral At Power Up.”*

System Status Light

The system status light is normally on when the system is powered up, and off when the system is powered down. It will also flash error codes when the system detects a fault. See “Europa Error Codes.”

Magnetic Locking Area

Your power chair is equipped with a feature that enables you to “lockout” unauthorised users. For this function, you will need the magnetic key supplied with your power chair. If you lose this key, contact your authorised Pride Provider.

To enable the lockout system:

1. Hold the magnetic key on or near the key symbol. The system will beep and automatically turn off.

NOTE: *None of the remote lights should be lit.*

2. Press the on/off key to turn on the power chair. The key symbol will flash, but you will not be able to drive your power chair. This means that it is still locked.
3. Hold the magnetic key on or near the key symbol again to unlock the system. When the key symbol stops flashing, you may turn on the power chair.

NOTE: *If you turn on the power chair while it is locked and don’t unlock it after one minute, the power chair will automatically turn off itself.*

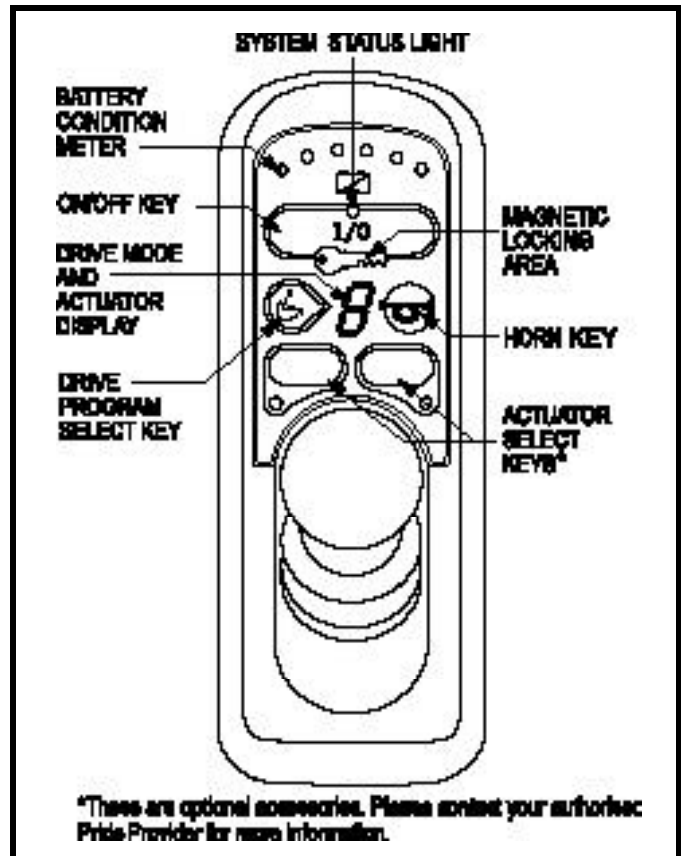


Figure 36. Europa Master Remote Keypad

VII. OPERATION

Battery Condition Meter

The battery condition meter consists of six lights arranged in an arc over the battery icon. From left to right, the first two are red, the second two are orange, and the last two are green. These lights give you an accurate indication of your usable battery capacity. If the battery has at least 85% of its rated capacity, all of the lights will be on. As the battery voltage drops, the number of lights reduces from right to left. When the battery capacity drops to 10% or below, all of the lights will flash once every second.

NOTE: *When the battery capacity drops to below 21V (typically two lights), the controller will reduce power chair performance to conserve battery power.*

Drive Program Select Key

The drive program select key enables you to select a drive program and a power accessory mode. Your Europa Controller was preprogrammed at the factory for five drive programs— 1 (slowest) to 5 (fastest). The drive mode is indicated by a number in the center of the keypad (drive mode and actuator display).

NOTE: *The drive mode settings are preset at the factory. If your authorised Pride Provider changes these settings, please make note of these changes.*

To change the drive program:

1. Press the drive program select key.
2. Move the joystick right to increase the drive program.
3. Move the joystick left to decrease the drive program.
4. Press the drive program select key.

Drive Mode and Actuator Display (also status display)

This is a 7-segment light that displays the drive program. It also displays a drive inhibit and actuator mode (if applicable), when they occur.

System Status Light

This light will flash if there is an internal fault, or if an OONAPU fault has occurred. See “Out Of Neutral At Power Up.”

Horn Key

The horn key activates the horn.

CONTROLLER COMMUNICATIONS CONNECTOR

This connects the Europa to the power chair’s batteries, motors, and motor brakes.

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 Europa. If you use an off-board charger, the charger current should not exceed 8 amps. Contact your authorised Pride Provider for more information.

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

VII. OPERATION

POWER ACCESSORY CONTROL

If your power chair is equipped with power accessories such as a power seat or power elevating leg rests, the Europa can support the control of up to five power accessory actuators once the actuator control module is correctly configured. Power accessory actuators are selected and controlled using the joystick.

To select a power accessory actuator:

1. Press the drive program select key until the 7-segment display displays “A”.

NOTE: The power chair will not drive in this mode.

2. Move the joystick left or right to move through the available actuators. Release the joystick to select the desired actuator.

NOTE: The actuators are represented on the 7-segment display as a mixture of uppercase and lowercase letters, which follow the sequential order of the actuators, e.g., Actuator 1 is represented as “A” and Actuator 5 as “E.” If your controller was programmed to operate a lighting package, a sixth option “L” will be displayed.

3. Push the joystick full forward or full reverse to control the actuator adjustment.
4. Resume driving by moving the joystick back to neutral and selecting a drive program.

SLEEP MODE (IF ENABLED)

The power chair controller features a sleep mode. Sleep mode is a built-in circuit that will automatically shut off the main power if the joystick is not moved in any direction for a period of time. This time factor is programmed into the controller. To restore power and continue, turn your power chair on.

OUT OF NEUTRAL AT POWER UP

Your power chair joystick is equipped with Out Of Neutral At Power Up (OONAPU). If you power up the system and the joystick is not in the neutral position, the system status light flashes rapidly for either as long as the joystick is out of the neutral position or five seconds. If this has happened and all of the battery condition meter lights are flashing, you may have set an error code. See “Error Codes.”

EUROPA ERROR CODES

The system status light is displayed within the on/off key. This light is lit if the system is turned on. It also flashes in groups called error codes to indicate system faults. The table below identifies the individual error codes. If your keypad displays one of these codes, contact your authorised Pride Provider.

NOTE: You must turn the controller off and then on again to reset the controller, even if the source of the error is removed/corrected.

VII. OPERATION

In the event of an error, the system status light displays diagnostic indications. Errors are encoded as follows: one (for a low battery voltage fault) to twelve (module mismatch) and are displayed by the light flashing the number of times prescribed by the error code. The flash sequence (one to twelve) is followed by a long off period (2 seconds). If more than one error exists, then the error having the highest priority is indicated. The controller must be turned off and then on again even if the source of the error is removed. If you cannot resolve the problem, contact your authorised Pride Provider.

| Flash Code Sequence | Diagnosis | Solution |
|---------------------|-----------------------------------|--|
| •—•—•— | DX module fault | See your authorised Pride Provider. |
| ••—••—••— | DX accessory fault | See your authorised Pride Provider. |
| •••—•••— | Left motor (or connection) fault | Check left motor wiring. |
| ••••—••••— | Right motor (or connection) fault | Check right motor wiring. |
| •••••—•••••— | Left park brake fault | Check motor/brake wiring. |
| ••••••—••••••— | Right park brake fault | Check motor/brake wiring. |
| •••••••—•••••••— | Low battery fault | Check that the battery wiring is secure. |
| ••••••••—••••••••— | Over voltage fault | Check that the battery wiring is secure. |
| ••••••••—••••••••— | CANL fault | See your authorised Pride Provider. |
| ••••••••—••••••~ | CANA fault | See your authorised Pride Provider. |
| ••••••••—••••••~ | Stall timeout | Turn unit on, then off. |
| ••••••~••••••~ | Module mismatch | See your authorised Pride Provider. |

VII. OPERATION

REMOTE PLUS 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 Remote Plus is part of a modular electronic controller system. The system consists of more than one module. Typically, the Remote Plus is mounted to one of the armrests. See figure 37. It is connected to a power module located on the power base through the controller communications connector. The Remote Plus may be used to control some optional systems, such as power elevating seats or lights through an actuator/lighting module (ALM) located on the power base.

The controller supplied with your power chair has been pre-programmed to meet the needs of the end user. 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 Remote Plus consists of the following:

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

JOYSTICK

The joystick controls the direction and speed of your power chair. When you move the joystick from the neutral (center) 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.

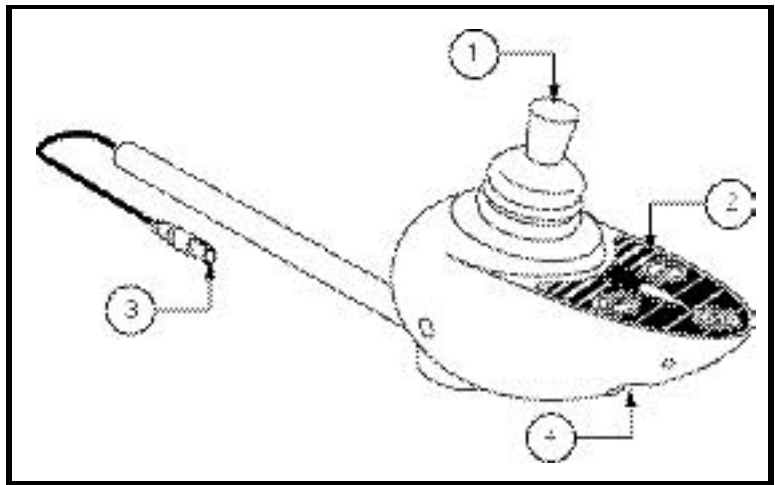


Figure 37. Remote Plus Controller



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 directly in front of the joystick. It contains keys that you will use to control your power chair. See figure 38.

VII. OPERATION

On/Off Key

The on/off key turns the system 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.

Mode Key (Speed Settings)

The mode key controls the speed settings. The Remote Plus speed settings range from 1 to 5. Typically, the slowest speed setting is 1 and the fastest speed setting is 5. The settings are indicated by the number of lights that are lit on the speed setting indicator.

NOTE: The speed settings are preset at the factory. If your authorised Pride Provider changes the order of these settings, please make note of these changes. Contact your authorised Pride Provider for more information.

To select a speed setting:

1. Press the on/off key to power on the controller.
2. Press the mode key once.
3. To increase chair speed, push the joystick to the right. Each time you push the joystick, you will increase the speed setting in the speed setting indicator.
4. To decrease chair speed, push the joystick to the left. Each time you push the joystick, you decrease the speed setting in the speed setting indicator.
5. Once you select the desired speed setting, press the mode key once to keep the setting or push the joystick in the forward or reverse direction. The chair will resume operation at the selected speed.

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

Horn Key

The horn key activates the horn.

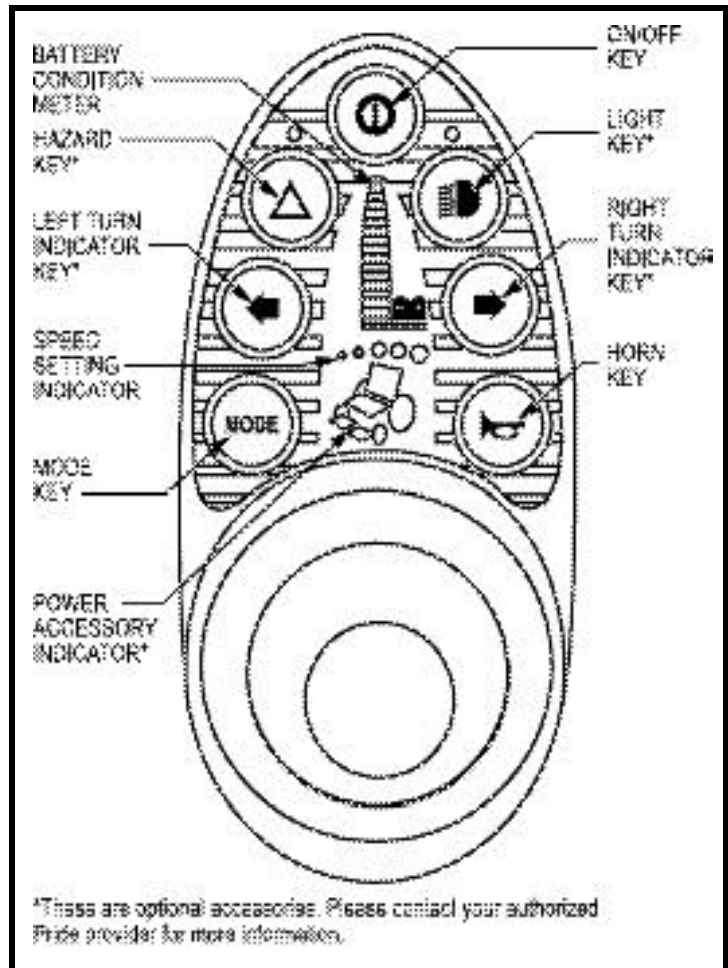


Figure 38. Remote Plus Keypad

VII. OPERATION

Battery Condition Meter

The battery condition meter is a 10-segment illuminated display located in front of the joystick. When the lights are on, it indicates that there is power to the Remote Plus. The lights also indicate battery status, Remote Plus operational status, and electrical system status.

- **Red, yellow, and green lights lit:** Batteries charged; controller and electrical system OK.
- **Red and yellow lights lit:** Charge batteries if possible; controller and electrical system OK.
- **Red lights only lit or slow flash:** Charge batteries as soon as possible; controller and electrical system OK.
- **Rapid flash of lights:** Indicates an error in the controller or the electrical system. See “Remote Plus Error Codes.”
- **Ripple up and down of lights:** The joystick was not in the neutral position when the controller was turned on. If you get “ripple up and down of lights,” turn off the controller and allow the joystick to return to the neutral position. Then turn on the controller.

***NOTE:** If you still get “ripple up and down of lights,” contact your authorised Pride Provider.*

***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!*

ACTUATOR ADJUSTMENT

The Remote Plus can control five power seat actuators using the mode key and the joystick. To select and adjust an actuator:

1. Press the on/off key to power on the chair and the controller.
2. Press the mode key twice to select Actuator Adjustment Mode.
3. Push the joystick to the right to cycle through the available actuators. The actuator indicators will display which actuator is activated.
4. When the desired actuator is selected, give a forward command to the joystick to raise the actuator or give a reverse command to the joystick to lower the actuator.
5. Press the mode key again to return to the Drive Mode.

RIGHT/LEFT TURN INDICATOR KEYS (OPTIONAL)

The right/left turn indicator keys toggle either the left or right turn indicators. Press once to turn on and press again to turn off. You can also turn off the selected turn indicator by pressing the opposite indicator key or the hazard key.

LIGHT KEY (OPTIONAL)

The light key turns the headlights/taillights on and off independent of other indicators.

HAZARD KEY (OPTIONAL)

The hazard key activates both turn indicators at the same time. You can only cancel this by pressing the hazard key again.

POWER ACCESSORIES (OPTIONAL)

If your power chair is equipped with power accessories such as a power seat or power elevating leg rests, you can operate them through the keypad. Contact your authorised Pride Provider for information on how to operate these accessories.

POWER ACCESSORY INDICATOR (OPTIONAL)

Indicates the selected power accessory. This is for optional accessories only.

VII. OPERATION

OFF-BOARD CHARGER/PROGRAMMING SOCKET

The off-board charger/programming socket is located on the front of the Remote Plus. If you use an off-board charger, the charger current should not exceed 12 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: *Changes to the programming can only be made by an authorised Pride Provider.*

CONTROLLER COMMUNICATIONS CONNECTOR

The controller communications connector provides the Remote Plus with a connection to the power module.

SLEEP MODE

Your Remote Plus controller has a sleep mode feature. Sleep mode is a built-in circuit that automatically shuts off the main power if the joystick is not moved in any direction for approximately five minutes. The battery condition meter lights on the keypad indicate sleep mode by blinking once every five seconds. To restore power and continue, push the on/off key twice.

THERMAL ROLLBACK

The Remote Plus is equipped with a thermal rollback circuit. This circuit monitors the temperature of the motors, power module, and remote. In the event that any of them become excessively hot (above 50°C/122° F), motor voltage is reduced. For every degree above 50°C/122° F, the voltage is reduced by 5 volts. This reduces your power chair's speed and allows the electrical components to cool down. When the temperature returns to a safe level, your power chair resumes its normal speed.

REMOTE PLUS ERROR CODES

In addition to indicating the current state of battery charge, the battery condition meter can also indicate possible problems with your power chair's electrical system. If any of the battery condition meter lights are flashing rapidly, the controller may be indicating an error. Error codes are displayed as a number of flashing lights. For instance, if the first light is flashing rapidly, the battery voltage is nearly depleted. The table below identifies the individual error codes, probable causes, and possible solutions. If you get one of these error codes, contact your authorised Pride Provider.

| Flashing Lights | Diagnosis | Solution |
|-----------------|---------------------------|------------------------------------|
| 10 | High Battery Voltage | Check batteries. |
| 9 | Solenoid Brake Fault | Check motor/brake wiring. |
| 8 | Possible Controller Fault | See authorised Pride Provider. |
| 7 | Possible Joystick Fault | See authorised Pride Provider. |
| 6 | Inhibit Active | Unplug charger. Check connections. |
| 5 | Right Motor Wiring Fault | Check right motor wiring. |
| 4 | Right Motor Disconnected | Check right motor wiring. |
| 3 | Left Motor Wiring Fault | Check left motor wiring. |
| 2 | Left Motor Disconnected | Check left motor wiring. |
| 1 | Low Battery Voltage | Check batteries/battery wiring. |

VIII. BATTERIES AND CHARGING

BATTERIES AND CHARGING

Your power chair uses two long-lasting, 12-volt batteries. These are sealed, maintenance free, deep-cycle batteries. 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.

CHARGING YOUR BATTERIES

The battery charger is one of the most important parts of your power chair. The battery charger is designed to optimise 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 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 cord is plugged into a wall outlet.



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

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

To charge the batteries by using the onboard charger:

1. Position the rear of your power chair close to a standard wall 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 cord and plug it into the wall outlet. The power chair incorporates an inhibit function that disables the power chair when the charger is plugged into a wall outlet.
4. 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.
5. 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.
6. When the batteries are fully charged, unplug the power cord from the wall outlet, wind it up, and store it in the seat pouch located on the back of the seat.

VIII. BATTERIES AND CHARGING

To charge the batteries by using an off-board charger:

1. Position your power chair close to a standard wall 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. Plug the charger power cord into the off-board charger/programming socket on the controller, then into the wall outlet.
4. Follow the instructions supplied with the off-board charger. We recommend you charge the batteries for 8 to 14 hours.
5. When the batteries are fully charged, unplug the charger power cord from the wall outlet and then from the controller. Store the charger in a safe, dry place for future use.

BATTERY BREAK-IN

To break in your new power chair 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 your power chair about the house and yard. 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 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.

BATTERIES AND CHARGING—FREQUENTLY ASKED QUESTIONS (FAQS)

How does the charger work?

The battery charger takes standard wall outlet voltage and converts it to 28VDC (direct current). When the battery voltage is low, the charger works harder to charge the batteries. This is why the charging ammeter initially reads 5.5 or more amps. As the battery voltage approaches a full charge, the charger doesn't work as hard to complete the charging cycle. This explains why the amperage on the charging ammeter drops as the batteries approach a full charge. 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 onboard charger will not be able to charge your batteries after the batteries have been discharged to nearly zero voltage. If this happens, call your authorised Pride Provider 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. 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.

VIII. BATTERIES AND CHARGING

■ 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.

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, footpath 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.
- Maintain **2.4 bar (35 psi)** in pneumatic drive tyres.
- Plan your trip in advance to avoid inclines if possible.
- Limit the baggage weight to essential items.

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 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. Lead acid 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 the specific demands of your power chair. 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 stabilise 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.

VIII. BATTERIES AND CHARGING

How can I ensure maximum battery life?

A fully charged deep-cycle battery provides reliable performance and extended battery life. Keep your power chair 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 the unit 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.

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.

What about public transportation?

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

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

What about shipping?

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

IX. CARE AND MAINTENANCE

ROUTINE MAINTENANCE

Your power chair is a sophisticated motorised vehicle. Like any motorised vehicle, it requires routine maintenance checks. You can perform some of these checks, but others require assistance from an 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! Your power chair, like most electrical equipment, is susceptible to damage from the elements. Avoid damp areas of any kind. 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 center.

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 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.

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 connectors to ensure that they are all tight and secured properly.
- Make sure all drive tyres are inflated to **2.4 bar (35 psi)** if equipped with pneumatic tyres.



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. 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.

IX . CARE AND MAINTENANCE

- 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.

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 only. Do not handle or try to repair it. See your authorised service center if there is a problem.
- Visually inspect the controller harnesses. Make sure that they are not frayed, cut, or have any wires exposed. See your authorised Pride Provider if there is a problem with any of these harnesses.

Weekly Checks

- Disconnect and inspect the controller from the electronics tray. 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 tyre. If a tyre does not hold air, see an 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 meter of clearance around your power chair.

To check the brakes:

1. Turn on the controller and turn down the speed level of your power chair.
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 electric brakes click. Immediately release the joystick. You must be able to hear each electrical brake operating within a few seconds of joystick movement. Repeat this test three times, pushing the joystick rearwards, then left, and then right.

To calibrate the joystick (Remote Plus only):

1. Position the joystick in the full reverse position and hold it there. Turn on the controller.
2. The battery condition meter lights up from one light to ten lights, and then back to one light. It does this twice, then blinks rapidly.
3. Turn off the controller.
4. Position the joystick in the full forward position and hold it there; then turn the controller on.
5. The battery condition meter lights up from one light to ten lights, and then back to one light. It does this twice, then blinks once, and then it blinks continuously.
6. Turn off the controller. Now the joystick and controller are set up to function properly together.

IX. CARE AND MAINTENANCE

MONTHLY CHECKS

- Check that the anti-tip wheels do not rub the ground when you are operating the Jazzy; adjust them as necessary. See V. “Comfort Adjustments” in this manual.
- Check for extreme wear on the anti-tip wheels. Replace them as necessary.
- Check for drive tyre wear. See an authorised Pride Provider for repair.
- Check the rear casters 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 Provider for repair.
- Keep your power chair clean and free of foreign material such as hair, food, drink, etc.

YEARLY CHECKS

Take your power chair to an authorised Pride Provider 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 the 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.

CLEANING PRECAUTIONS



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.

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.

TYRES AND TUBES

If your power chair is equipped with pneumatic tyres, you should check the air pressure at least once a week. This prolongs the life of your tyres and helps to ensure the perfect operation of your chair. If you have a flat tyre, replace the tube. Replacement tyres and tubes are readily available through the provider where you purchased your power chair.



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.

IX. CARE AND MAINTENANCE

Follow these easy steps for a quick and safe tube or tyre replacement:

1. Completely deflate the tyre if pneumatic.
2. Remove the nut from the wheel axle. See figure 39.
3. Pull the wheel off of the axle.
4. Separate the tyre and tube from the rim.
5. Remove the old tube and/or tyre and replace with new tube or tyre.
6. Slide the wheel back onto the shaft and torque the nut to 16 ft.-lbs.
7. Inflate the tyre to **2.4 bar (35 psi)** if pneumatic.

BATTERY REPLACEMENT



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! Pride 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. Disconnect the controller cable and remove the seat. See IV. "Disassembly."
2. Disconnect the front battery box and rear battery box from the electronics tray. See figure 40.
3. Lift out each battery box, one at a time, and set them on a solid, flat surface. See figure 41.
4. Unfasten the battery box straps on the bottom of the box.
5. Lift up the top cover.
6. Remove the rubber covers from the terminals. Unscrew the terminal nuts and bolts and disconnect the battery wires from the battery terminals.
7. Remove the battery from the bottom cover.
8. Place the new battery into the bottom cover.
9. Connect the red battery wire to the positive (+) terminal. Make sure you tighten the nuts and bolts so that the connection is secure.
10. Connect the black battery wire to the negative (-) terminal. Make sure you tighten the nuts and bolts so that the connection is secure.
11. Place the rubber covers over the terminals.

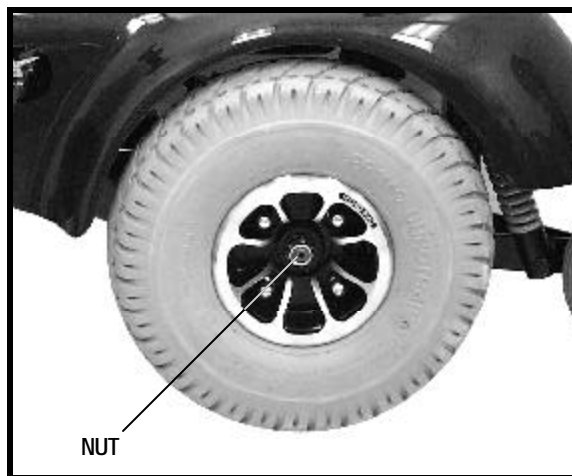


Figure 39. Drive Wheel



Figure 40. Disconnecting Battery Connectors

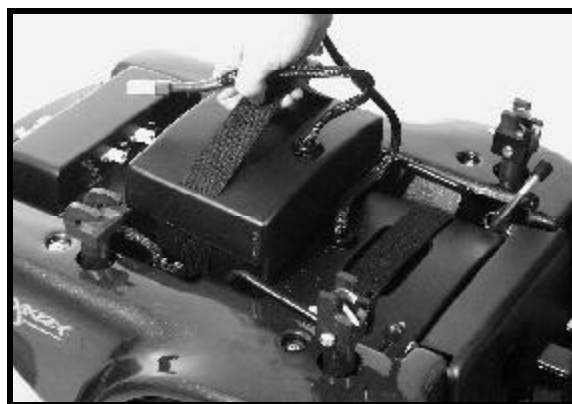


Figure 41. Battery Box Removal

IX. CARE AND MAINTENANCE



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

12. Place the top cover back onto the bottom cover.
13. Fasten the straps and make sure the connection is secure.
Place the battery box aside.
14. For the other battery, repeat steps 4 - 13.
15. Make sure that the battery terminals are opposite 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!

16. Place the rear battery box back into the battery well.
17. Place the front battery box back into the battery well.
18. Connect the rear battery box connector and the front battery box connector to the electronics tray.
19. Install the seat.
20. Connect the controller cable.

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 Provider.

WHEN TO SEE YOUR PRIDE PROVIDER FOR SERVICE

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

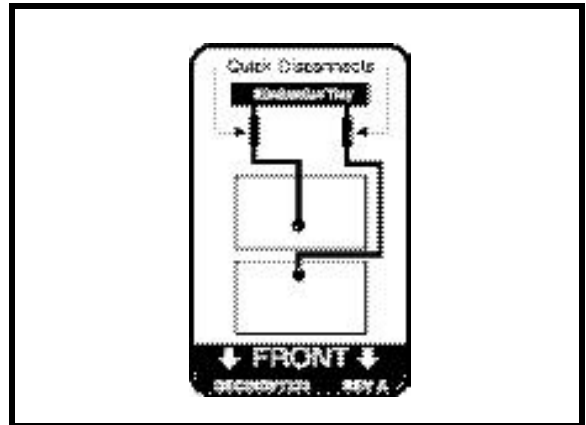


Figure 42. Battery Wiring Diagram

X . WARRANTY

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 Jazzy 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 labor or service calls.

BATTERIES

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

Gradual deterioration in performance due to being left in a discharged state, 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.

Jazzy Power Chairs®

How a Power Chair Should Feel™



Quality Control-Model 1113

Thank you for making the Pride Jazzy your choice in Power Chairs.

We have thoroughly inspected your Jazzy. The following check marks indicate that it has been test driven and inspected.



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

Date Inspected

Inspector