

# Jazzy 1143

## Owner's Manual

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



**≡ How a Power Chair Should Feel!™**

**Pride**

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# SAFETY GUIDELINES

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

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

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



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



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

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

## **INTRODUCTION**

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

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

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

This owner's manual is compiled from the latest specifications and product information available at the time of publication. We reserve the right to make changes as they become necessary. Any changes to our products may cause slight variations between the illustrations and explanations in this manual and the product you have purchased.

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

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

### **Information Exchange**

We want to hear your questions, comments, and suggestions about this manual. We would also like to hear about the safety and reliability of your new power chair, and about the service you received from your authorised Pride provider.

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

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

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

**My Authorised Pride Provider Is:**

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

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

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

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

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

# II. SAFETY

## SAFETY



**WARNING! 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 elevators, up and down ramps, and over moderate terrain.

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

### Modifications

Pride has designed and engineered your power chair to provide maximum mobility and utility. A wide range of accessories is available from your authorised Pride provider to further customise your power chair to better suit your needs and/or preferences. However, under no circumstances should you modify, add, remove, or disable any feature, part, or function of your power chair.



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

### Pre-Ride Safety Check

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

Perform the following inspections prior to using your power chair:

- Check for proper tyre inflation. Maintain **2-2.4 bar (30-35 psi)** in each tyre (if equipped with pneumatic tyres).
- Check all electrical connections. Make sure they are tight and not corroded.
- Check all controller connections to the electronics tray. Make sure they are secured properly.
- Check the brakes. See VII. "Care and Maintenance."
- Check battery charge. See V. "Batteries and Charging."

## II. SAFETY

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

### Weight Limitations

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



**WARNING! Exceeding the weight capacity voids your warranty and may result in personal injury and/or damage to your power chair. Pride will not be held responsible for injuries and/or property damage resulting from failure to observe weight limitations.**

**WARNING! Do not carry passengers on your power chair. Carrying passengers on your power chair may result in personal injury and/or property damage.**

### Tyre Inflation

If your power chair is equipped with pneumatic tyres, you should check or have the air pressure checked at least once a week. 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 2-2.4 bar (30-35 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 2-2.4 bar (30-35 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.
- 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.

## II. SAFETY

**WARNING!** When climbing an incline, do not zigzag or drive at an angle up the face of the incline. Drive your power chair straight up the incline. This greatly reduces the possibility of a tip or a fall. Always exercise extreme caution when negotiating an incline.

**WARNING!** You should not travel up or down a potentially hazardous incline (i.e., areas covered with snow, ice, cut grass, or wet leaves).



**WARNING!** When on any sort of an incline or decline, never place the power chair in freewheel mode while seated on it or standing next to it. Doing so may result in personal injury and/or damage to your power chair.

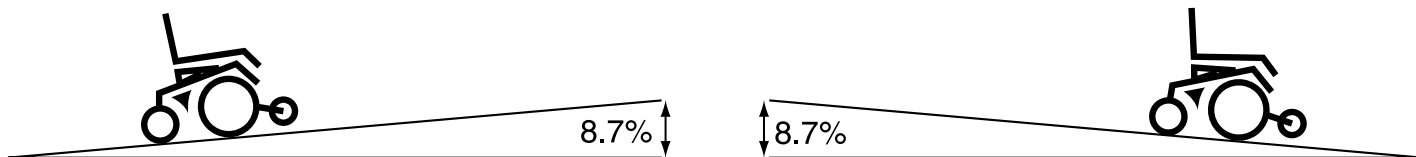
**WARNING!** Never travel down an incline rearwards. This may result in personal injury.

**WARNING!** 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%. See figure 1.



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



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

### Braking Information

Your power chair is equipped with two powerful brake systems:

1. Regenerative — uses electricity to rapidly slow the vehicle when the joystick returns to the 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.



## II. SAFETY



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

### Outdoor Driving Surfaces

Your power chair is designed to provide optimum stability under normal driving conditions—dry, level surfaces composed of concrete, blacktop, or 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."



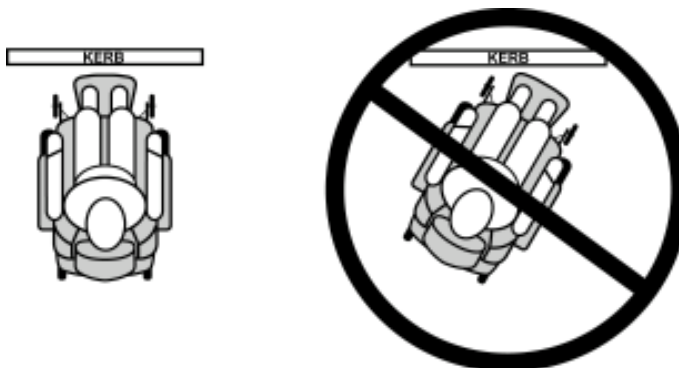
**WARNING! Do not use your power chair in freewheel mode without an attendant present. Personal injury may result.**

**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 figure 1a.



**Figure 1a. Kerb Approach (Correct and Incorrect)**



**WARNING! Do not attempt to have your power chair climb or descend an obstacle that is higher than 2.54 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.**

# 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 an elevator.



**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.

## Elevators

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

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

## EMI & RFI

Laboratory tests performed have shown that radio waves can cause unintended motion of electric mobility vehicles. Radio waves are a form of electromagnetic energy (EM). When EM adversely affects the operation of an electronic device, it is called Electromagnetic Interference (EMI) or Radio Frequency Interference (RFI).

## 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.

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.
- 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.

## II. SAFETY

- 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



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

### 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 healthcare professional.



**WARNING! Do not bend, lean, or reach for objects if you have to pick them up from the floor by reaching down between your knees. Movements such as these may change your 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.**

## II. SAFETY

### Batteries

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

### 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.**

# III. YOUR POWER CHAIR

## THE JAZZY 1143

The Jazzy has two main assemblies: the seat and the power base. See figures 2 and 3. Typically, the seat assembly includes the armrests, seatback, and seat base. The Jazzy seat may also have some optional accessories attached to it, such as a rear basket, a cane and crutch holder, or a cup holder. See VIII. "Options and Accessories."

The power base is the heart of the Jazzy. The power base assembly includes two motor/brake assemblies, two drive wheels, two anti-tip wheels, two caster wheels, two batteries, and the electronics tray.

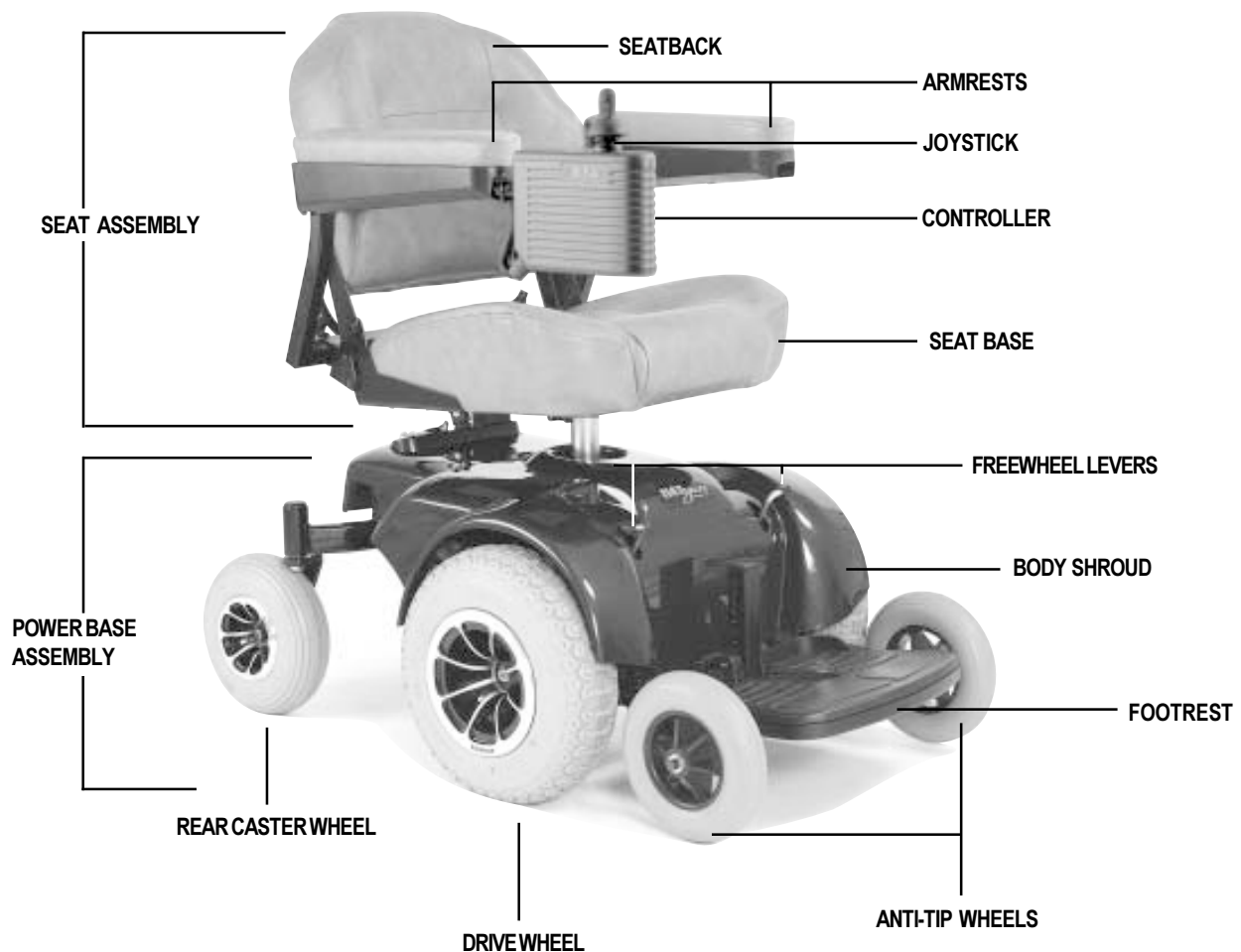
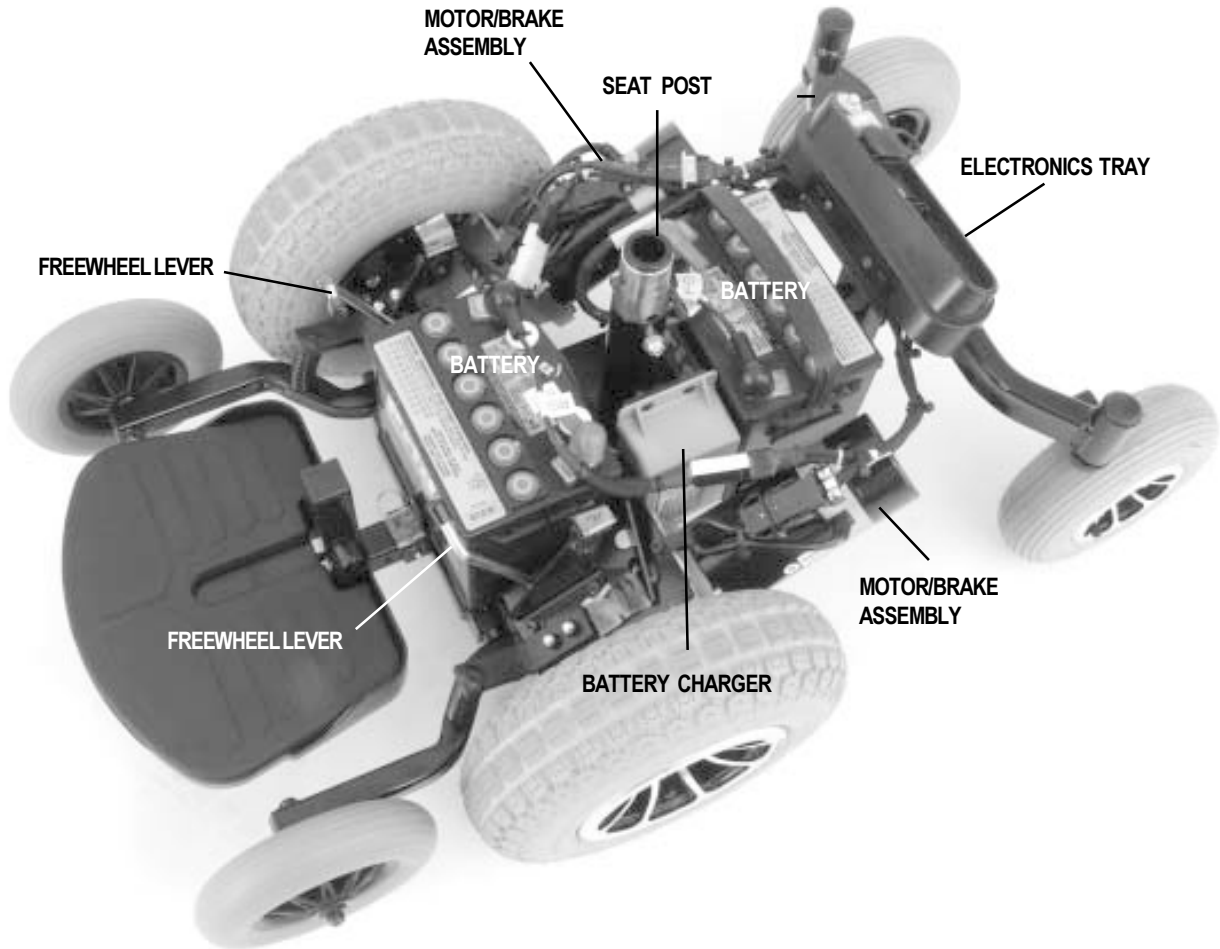


Figure 2. The Jazzy 1143

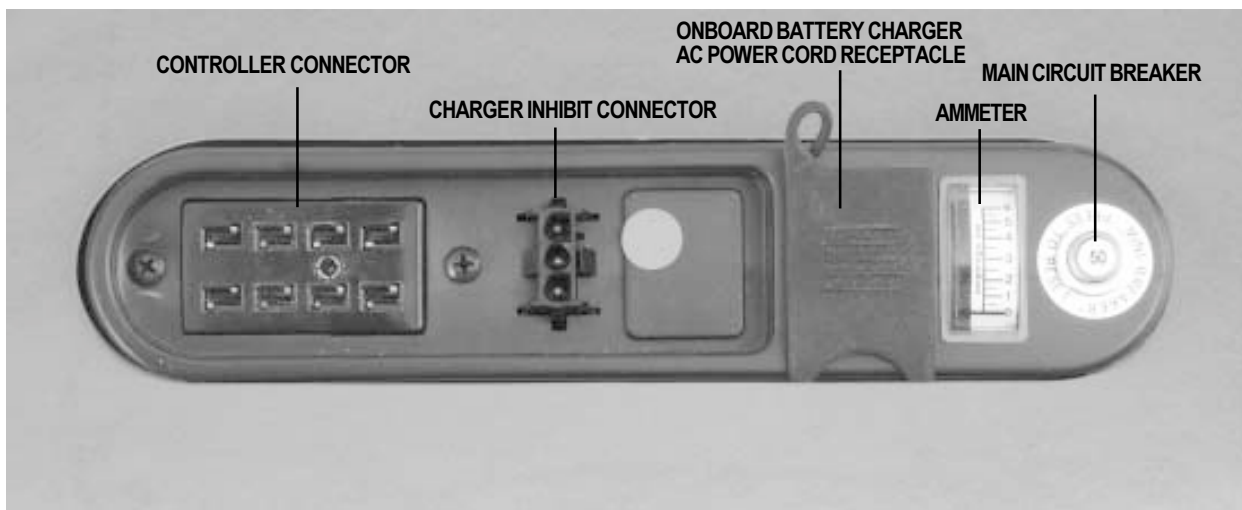
# III. YOUR POWER CHAIR

<b>Specifications</b>	
Suspension:	Limited suspension
Drive Wheels:	32 cm pneumatic, center-mounted (solid tyres are optional)
Caster Wheels:	23 cm pneumatic, rear articulating (solid tyres are optional)
Anti-tip Wheels:	20 cm solid, front mounted
Maximum Speed:	Up to 7 km/h
Brakes:	“Intelligent Braking” electronic regenerative, disc park brake
Ground Clearance:	10 cm
Turning Radius:	52 cm
Overall Size:	Length: 99 cm Width: 63.5 cm
Seating Options:	Low Back Medium Back High Back with headrest Power Elevating Seat
Drivetrain:	Two-motor, mid-wheel
Batteries:	Two 12-volt, U-1 batteries
Range:	Up to 40 km
Battery Charger:	3-amp Onboard 3-amp Off-board (optional)
Electronics:	50-amp VSI Controller 50-amp Dynamic DL-50 Controller
Weight Capacity:	136 kg
Component Weights:	Base: 44 kg Seat: 15 kg Batteries: 11 kg each
Warranty:	Lifetime limited warranty on structural frame components, including: platform, fork, seat post, and frame welds. 2-year limited warranty on drivetrain, including: differential, motor, and brake 1-year limited electronics warranty

# III. YOUR POWER CHAIR



**Figure 3. Jazzy 1143 Power Base (Shroud Removed)**



**Figure 4. Jazzy 1143 Electronics Tray**

# III. YOUR POWER CHAIR

## Electronics Tray

The electronics tray is located on the back of the power base. See figures 3 and 4. The ammeter, the onboard charger AC power cord receptacle, the main circuit breaker, the controller connector, and the charger inhibit connector are all located on the electronics tray.

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

**Onboard Battery Charger AC Power Cord Receptacle:** This is where the AC power cord plugs into the onboard charger.

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

**Controller Connector:** This is where the controller connects to the power base.

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



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

## Manual Freewheel Levers

For convenience, your Jazzy 1143 is equipped with two manual freewheel levers. See figures 2 and 3. These levers allow you to disengage the drive motors and maneuver the chair manually.



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



**CAUTION!** It is important to remember that when your Jazzy is in freewheel mode, the braking system is disengaged.

### To engage or disengage the drive motors:

1. Locate the two (2) metal levers protruding from the body shroud.
2. Turn them rearward to engage the drive motors. See figure 5.
3. Turn them inward to disengage the drive motors. See figure 6.

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

*NOTE: When the Jazzy is in the freewheel mode, the braking system is disengaged.*



# III. YOUR POWER CHAIR

FREEWHEEL LEVERS (ENGAGED)

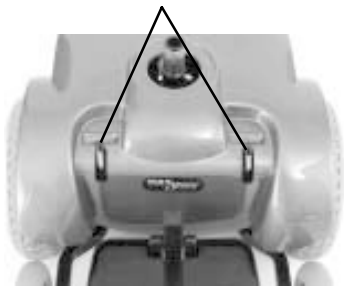


Figure 5. Drive Mode (Engaged)

FREEWHEEL LEVERS (DISENGAGED)

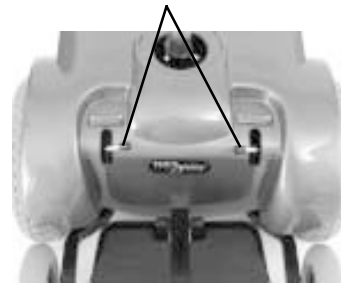


Figure 6. Freewheel Mode (Disengaged)

## 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 6a. To disengage the manual park brake, pull the manual park brake lever up. See figure 6b.



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

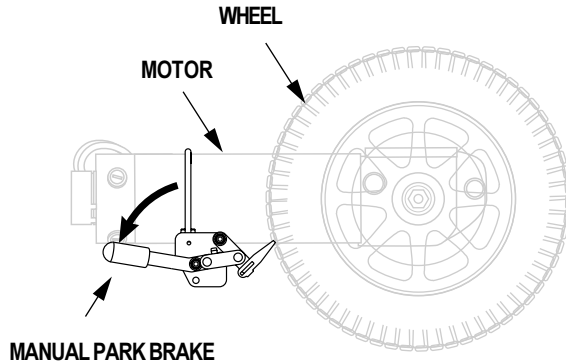


Figure 6a. Manual Park Brake Engaged

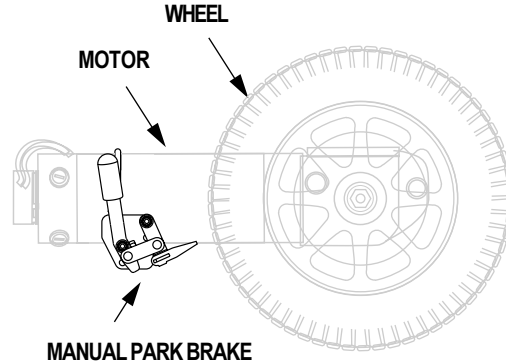


Figure 6b. Manual Park Brake Disengaged

# IV. COMFORT ADJUSTMENTS

## COMFORT ADJUSTMENTS

After becoming familiar with your power chair's operation, you may find the need to make some adjustments to increase your comfort, such as seat height and angle, armrest angle, footrest height and angle, and controller position. If your power chair is equipped with a specialty seat, refer to the information provided in separate manuals. If your power chair is equipped with a medium back, a highback, or a reclining seat, refer to the following information.



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

You may need the following to make comfort adjustments:

- Metric/Standard Hex Key Set
- Metric/Standard Socket Set and Ratchet
- Adjustable Spanner

## SEAT HEIGHT

You can change the seat height to one of three positions in 2.54 cm increments.



**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.

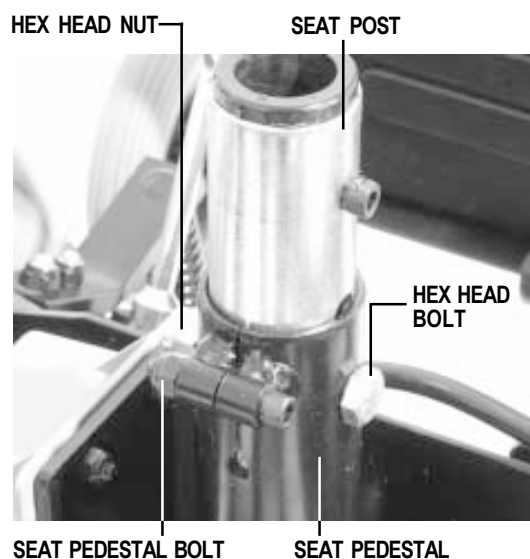
To change the seat height:

1. Turn the power off.
2. Make sure the Jazzy is not in freewheel mode.
3. Unplug the controller and charger inhibit connectors.
4. Pull the seat release lever forward to unlock it.
5. Lift the seat up and out of the seat post.
6. Lift off the shroud.
7. Loosen the seat pedestal bolt. See figure 7.
8. Use two spanners to loosen and remove the hex head nut and bolt. See figure 7.
9. Slide the seat post up or down in the seat pedestal.
10. Align the holes on the seat post and the seat pedestal.
11. Reinstall the hex head bolt and tighten.
12. Tighten the seat pedestal bolt.
13. Reinstall the shroud.
14. Reinstall the seat.
15. Reconnect the controller and the charger inhibit.

## ARMREST WIDTH ADJUSTMENT

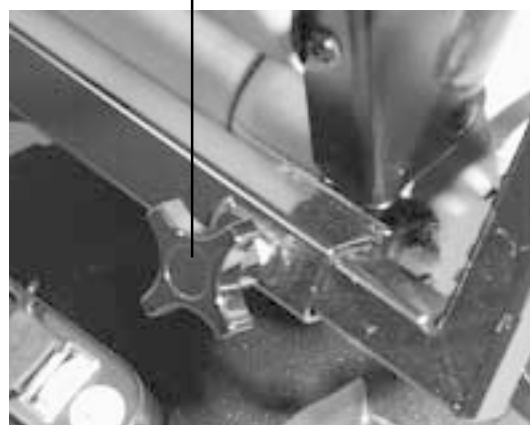
To change the armrest width:

1. Locate the two knobs on the armrest receiver bracket. See figure 8.



**Figure 7. Seat Height Adjustment**

LOOSEN KNOB TO MOVE ARMREST.



**Figure 8. Armrest Width**

# IV. COMFORT ADJUSTMENTS

2. Loosen the knobs; slide the armrests in or out for the desired width.
3. Retighten the knobs.

## ARMREST ANGLE ADJUSTMENT

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

### To change the armrest angle:

1. Lift the armrest straight up so that it is perpendicular to the floor.
2. Use a spanner to loosen the jam nuts. See figure 9.
3. Use a hex key to loosen the hex screw. Turn the screw clockwise to raise the front of the armrest and anticlockwise to lower the front of the armrest.
4. Lock the adjustment screw into place by tightening the jam nuts.

## CONTROLLER EXTENSION ADJUSTMENT

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

### To extend the controller:

1. Use a hex key to loosen the setscrew. See figure 10.
2. Slide the controller into or out of the armrest to the desired position.
3. Retighten the setscrew by turning it clockwise.

## CONTROLLER POSITION

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

### To change the controller position:

1. Unplug the controller and the charger inhibit connectors from the electronics tray. See figure 4.
2. Cut the wire tie that attaches the controller cable to the armrest. See figure 11.
3. Use a hex key to loosen the setscrew. See figure 10.
4. Slide the controller out of the armrest.
5. Loosen the setscrew in the other armrest.
6. Place the controller in the other armrest.
7. Tighten the setscrew.
8. Use a wire tie to secure the controller cable to the armrest.
9. Plug in the controller and the charger inhibit connectors to the electronics tray.

TURN THIS HEX SCREW TO CHANGE ARMREST ANGLE.

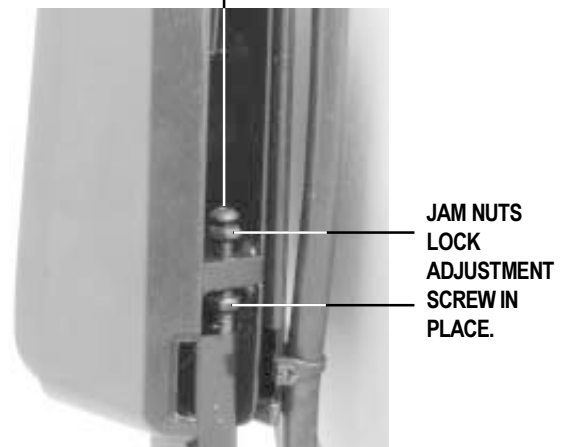


Figure 9. Armrest Angle

LOOSEN THIS SETSCREW TO ADJUST CONTROLLER.



Figure 10. Controller Extension

USE A WIRE TIE TO SUPPORT THE CONTROLLER CABLE.



Figure 11. Wire Tie Location



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

# IV. COMFORT ADJUSTMENTS

## FOOTREST HEIGHT

The footrest height is easily adjusted to six different heights.

### To raise or lower the footrest:

1. Use a hex key to remove the bolt, spacers, and nut from the footrest. See figure 12.
2. Raise or lower the footrest to the desired height.
3. Reinstall the nut, spacers, and bolt into the footrest.

## FOOTREST ANGLE

You can adjust the angle of the footrest with a hex key. See figure 13.

### To adjust the footrest angle:

1. Turn the setscrew clockwise to raise the front of the footrest.
2. Turn the setscrew counterclockwise to lower the front of the footrest.

## FOOTREST DEPTH

The Jazzy uses a ball detent pin to fasten the footrest to the power base. For your convenience, Pride also supplies a hex head bolt and Nylock nut. You can use this bolt and nut instead of the ball detent pin, for a more permanent fit.

### To adjust the footrest depth:

1. Remove the ball detent pin from the footrest bracket.
2. Move the footrest in or out to the desired depth.
3. Reinstall the ball detent pin or insert the hex head bolt and nut and tighten.

## ARMREST HEIGHT ADJUSTMENT

Your Jazzy may be equipped with armrests that are adjustable in 2.54 cm increments.

### To change the armrest height:

1. Use a hex key to loosen the setscrew.
2. Move the armrest up or down to the desired height.
3. Tighten the setscrew.

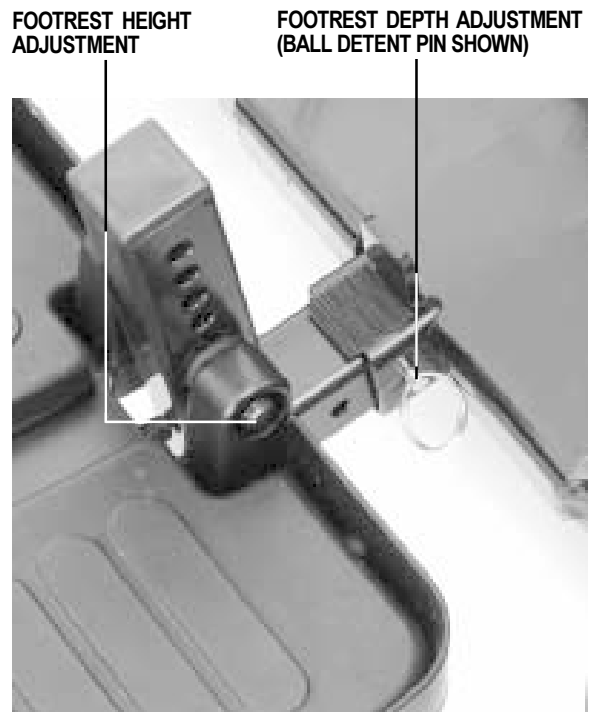


Figure 12. Footrest Adjustment

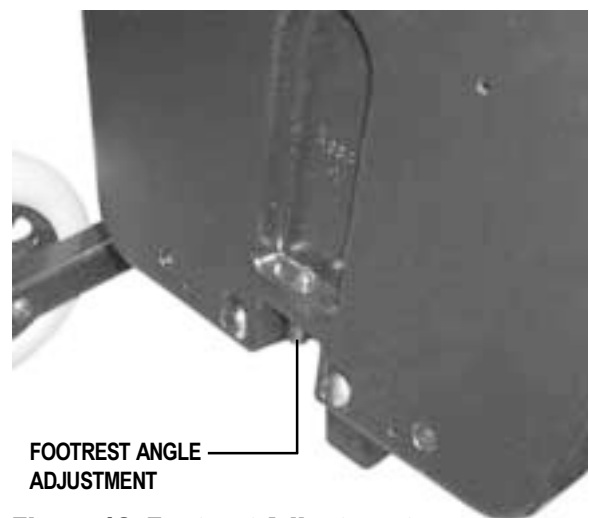


Figure 13. Footrest Adjustment

# IV. COMFORT ADJUSTMENTS

## ANTI-TIP WHEEL ADJUSTMENT

**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!**

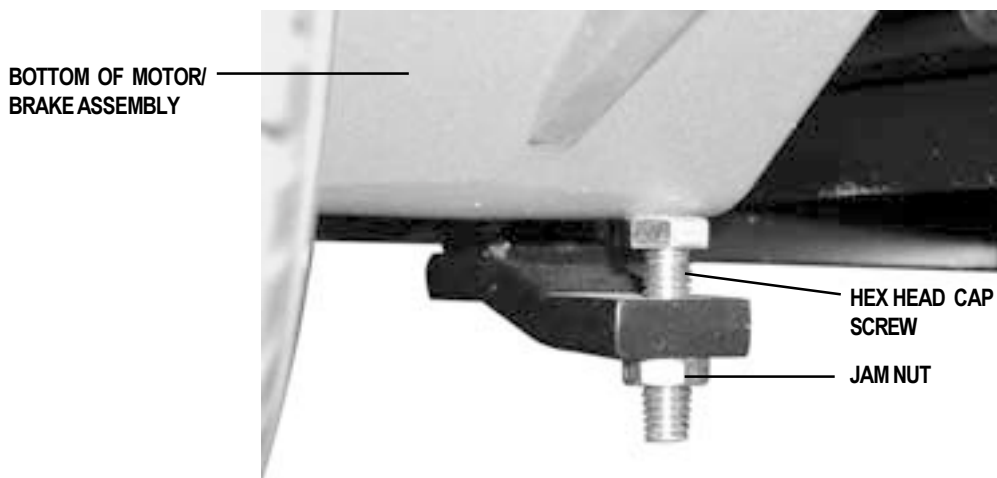


**WARNING! The higher you raise the anti-tip wheels, the more you increase your power chair's tendency to tilt forward when coming to a stop. You can compensate for this by having your authorised Pride provider make a small adjustment to the pre-programmed deceleration setting in the controller or by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

The Jazzy mid-wheel drive design provides superior performance and safety. The anti-tip wheels are an integral part of this design because they provide you with stability during deceleration. The anti-tip wheels are preset at the factory to a height of 1.27 cm. off the ground. This is the ideal setting for most Jazzy 1143 users. However, you may encounter situations where you may need to adjust the anti-tip wheels. For instance, if you drive your Jazzy on surfaces such as deep pile carpeting, you may notice that the anti-tip wheels have a tendency to drag on the carpet. In this case, you may need to raise the anti-tip wheels. If you drive your Jazzy primarily on smooth surfaces, such as linoleum or tile, you may find that you are tipping forward more than is comfortable for you. (This may be more apparent for lighter users.) In this case, you may need to lower the anti-tip wheels.

### To adjust the anti-tip wheel height:

1. Remove the seat, the body shroud, and the batteries.
2. Locate the jam nut and hex head cap screw on the anti-tip assembly. See figure 14.
3. Use a spanner to loosen the jam nut.
4. Use a spanner to turn the hex head cap screw. Turn the hex head cap screw clockwise to lower the anti-tip wheel. Turn the hex head cap screw counterclockwise to raise the anti-tip wheel.
5. Tighten the jam nut.
6. Repeat for the other side.
7. Reinstall the batteries, the body shroud, and the seat.



**Figure 14. Anti-Tip Wheel Height Adjustment**

# V. BATTERIES AND CHARGING

## BATTERIES

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



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

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

## CHARGING THE BATTERIES

The battery charger is essential in providing long life for your Jazzy batteries. See figure 3. The battery charger is designed to optimise your Jazzy's 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 electronics tray. The ammeter is located on the electronics tray for easy viewing. The charger has an in-line fuse that protects the ammeter. The ammeter indicates the rate of charge necessary to fully recharge the batteries. It is also a good indication of whether or not the charger is working. The ammeter and the charger are only functional when the charger power cord is plugged into a wall outlet.



**WARNING! You must recharge your Jazzy's 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.**

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

1. Position the rear of your Jazzy close to a standard wall outlet.
2. Be certain the controller power is turned off and the freewheel levers are in the engaged position. See III. "Your Power Chair."
3. Remove the battery charger cord from the back pouch of your Jazzy and plug it into the onboard battery charger AC power cord receptacle located on the electronics tray.
4. Extend the charger AC power cord and plug it into the wall outlet. The Jazzy incorporates an inhibit function that disables the power chair when the charger is plugged into a wall outlet.
5. The ammeter indicates how much charge is needed to fully charge the batteries. Wait about a minute for the charger to warm up. The ammeter may move as high as 5.5 amps, then gradually move back down to 0 amps as the batteries charge.
6. We recommend you charge the batteries for 8 to 14 hours. As the batteries charge, the ammeter needle slowly drops to 0. When the batteries are fully charged, the needle vibrates on or about the 0 mark on the ammeter scale.
7. When your Jazzy's batteries are fully charged, you can unplug the onboard battery charger AC power cord from the wall outlet, wind it up using the hook and loop strap, and place the cord back into the Jazzy's back pouch.

# V. BATTERIES AND CHARGING

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

1. Position your Jazzy next to a standard wall outlet.
2. Be certain the controller power is turned off.
3. Remove the run plug located on the electronics tray. This activates the inhibit function.
4. Plug the 3-pin extension cable to the charger, then into the charger inhibit connector.
5. Plug the charger into the wall outlet.
6. 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 should move all the way up to 5 amps, then gradually move back down to 0 amps.
7. 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 vibrates on or about zero on the ammeter scale.
8. When your Jazzy's batteries are fully charged, disconnect the charger cord from the wall outlet.
9. Disconnect the charger from the electronics tray.
10. Reconnect the run plug into its connector on the electronic tray.

*NOTE: If the run plug is not reconnected, your Jazzy will not operate.*

## **BATTERY BREAK-IN**

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

1. Fully recharge any new battery prior to its initial use. This brings the battery up to about 90% of its peak performance level.
2. Operate your Jazzy throughout the house and yard. Move slowly at first, and don't stray 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 Jazzy again. The batteries will now perform at over 90% of their potential.
4. After four or five charging cycles, the batteries will top off at 100% charge and last for an extended period.

## **BATTERIES AND CHARGING—FREQUENTLY ASKED QUESTIONS (FAQs)**

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

The battery charger takes the standard wall outlet voltage of 120 VAC (alternating current) and converts it to 24 VDC (direct current). The Jazzy batteries use direct current to run your power chair. When the battery voltage is low, the charger works harder to charge the battery. This is why the ammeter initially reads five or more amps. As the battery voltage approaches full charge, the charger doesn't work as hard to complete the charging cycle. This explains why the ammeter drops as it approaches a full charge. When the battery is fully charged, the amperage from the charger is nearly at zero. This is how the charger maintains a charge but does not overcharge the battery.

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

You should use the charger supplied with the Jazzy. 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). Your Jazzy's charger will not operate after the batteries have been discharged to nearly zero voltage. If this happens, call your authorised Pride Provider for assistance.

# V. BATTERIES AND CHARGING

## How often must I charge the batteries?

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

### ■ Daily Use

If you use your Jazzy on a daily basis, charge the batteries as soon as you are finished using your Jazzy. Your Jazzy will be ready each morning to give you a full day's service. It is recommended that you charge the batteries 8 to 14 hours after daily use. Do not charge the batteries for more than 24 hours at a charging cycle.

### ■ Infrequent Use

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

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

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

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

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

## What type of batteries should I use?

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

Use these specifications to reorder deep-cycle batteries:

Battery Specifications	
Type:	Deep-cycle (AGM or Gel-Cell)
Size:	U-1
Voltage:	12 V each



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



# V. BATTERIES AND CHARGING

## **Why do my new batteries seem weak?**

Deep-cycle batteries employ a much different chemical technology than that used in car batteries, nickel-cadmium (nicads), or in other common battery types. Deep-cycle batteries are specifically designed to provide power, drain down their charge, and then accept a relatively quick recharge. 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 your Jazzy’s specific demands. Fresh batteries arrive regularly at Pride and are promptly shipped with a full charge. During shipping, the batteries encounter temperature extremes that may influence initial performance. Heat robs the charge from the battery, and cold slows the power available and extends the time needed to recharge the battery (just as with a car battery).

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

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

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

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

## **How should I store my Jazzy and its batteries?**

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

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

## **What about public transportation?**

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

## **What about shipping?**

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

# VI. OPERATION

## VSI CONTROLLER

The electronic controller is what you use to operate your power chair. It takes the battery voltage and sends it to the appropriate system. The electronic controller enables you to move the power chair, as well as monitor battery charge, electronic controller functions, and the condition of your electrical system. Also, it 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 15.

### The VSI consists of:

1. joystick
2. keypad (see figure 16)
3. off-board charger/  
programming socket
4. actuator connector  
(optional)
5. controller connector
6. 3-pin charger inhibit  
connector

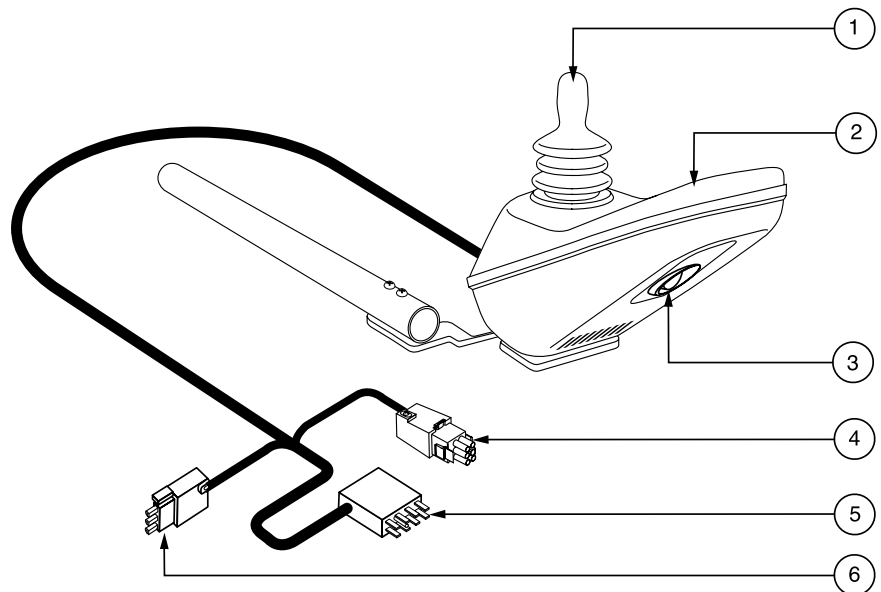


Figure 15. VSI Controller

Typically, the VSI is mounted to one of the armrests and is connected to the motors, batteries, and the onboard charger at the electronics tray.

### 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.



**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 Jazzy. See figure 16.

# VI. OPERATION

## On/Off Key

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



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

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

## Battery Condition Meter

The battery condition meter is located in front of the joystick. See figure 16. This is a 10-segment illuminated display that indicates that the VSI is turned on and also gives the battery status, the VSI status, and the electrical system status.

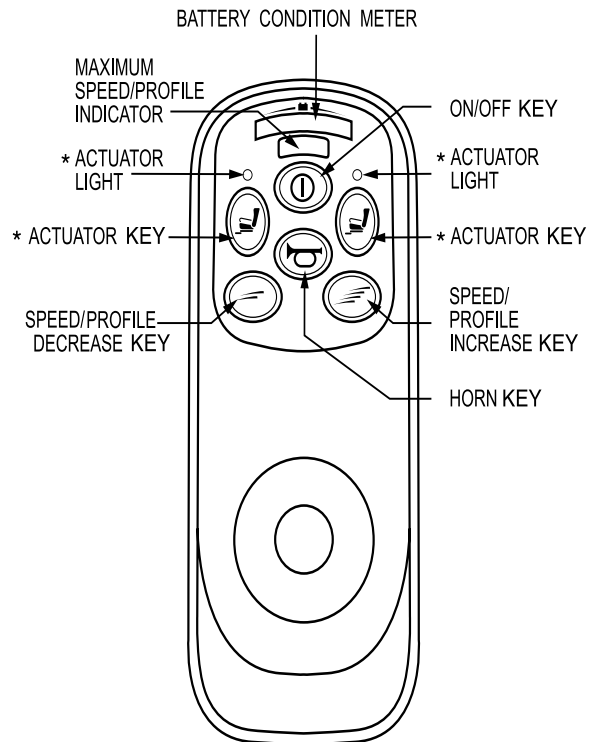
- **Red, yellow, and green lights lit:** Battery charged; VSI and electrical system OK.
- **Red and yellow lights lit:** Charge battery if possible; VSI and electrical system OK.
- **Red lights only lit or slow flash:** Charge battery as soon as possible; VSI and electrical system OK.
- **Rapid flash of lights:** Indicates a fault in the VSI or the electrical system. Refer to “VSI Error Codes.”
- **Ripple 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, 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!*

## Speed/Profile Keys

There are two keys that control either the speed or the profile. See figure 16. This depends on how your VSI was programmed. Press the speed/profile increase key to increase the speed or change the profile. Press the speed/profile decrease key to decrease the speed or change the profile. The speed/profile setting is displayed on the maximum speed/profile indicator. If your power chair was programmed with a drive profile, contact your authorised Pride Provider for more information.



\*For optional equipment on some models.

**Figure 16. VSI Controller Keypad**

# VI. OPERATION

*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.*

## **Actuator Keys and Actuator Lights (for optional equipment)**

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

## **Horn Key**

The horn key activates the horn.

## **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. See figure 15. If you use an off-board charger, the charger current should not exceed 12 amps. Contact your authorised Pride Provider for more information.



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

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

## **Controller Connector**

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

## **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 coloured dots. The dots are positioned so that you align the flat side of the male connector with the flat side of the female connector before making the connection.



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

## **Thermal Rollback**

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

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

## VSI Error Codes

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

<b>FLASHING LIGHTS</b>	<b>DIAGNOSIS AND SOLUTION</b>
1	The battery needs charging or there is a bad connection to the battery. Check the connections to the battery. If the connections are good, try charging the battery.
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.

# VI. OPERATION

## DYNAMIC DL CONTROLLER

The Dynamic DL controller has a speed and response adjustment knob that combines both speed and response functions. See figure 17. When you increase the speed, you decrease the sensitivity. When you decrease the speed, you increase the sensitivity.

*NOTE: We recommend that you turn the speed and response adjustment knob completely counterclockwise (to the slowest setting) the first few times you operate your power chair. This will allow you to become familiar with your new power chair.*

### To operate your power chair:

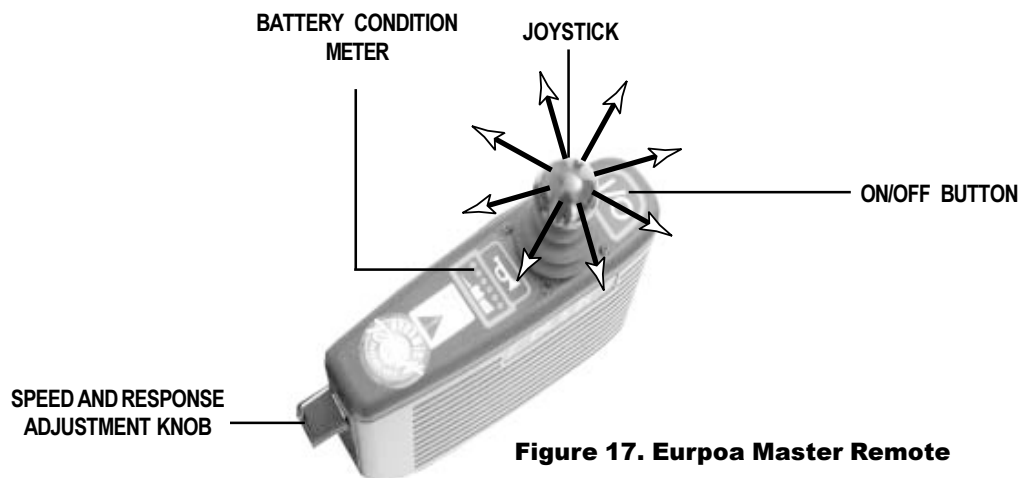
1. Turn it on (push the on/off button). The battery condition meter will light, indicating the present charge of your battery.
2. Push the joystick in the direction you wish to move. The further you push the joystick from the neutral (center) position, the faster your power chair will move.

**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.**



**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.**



**Figure 17. Eurpoa Master Remote**

### Battery Condition Meter

The battery condition meter is located immediately behind the joystick. This enables you to monitor battery charge. The battery condition meter indicates the approximate amount of battery charge left. See figure 17.

- Red, yellow, and green LEDs indicate that the batteries are fully charged.
- Red and yellow LEDs indicate that you should charge the batteries if possible.
- Red LEDs indicate that you should charge the batteries as soon as possible, because low battery voltage may cause your power chair to become inoperative.

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

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

## Trouble Codes

In addition to indicating the current state of battery charge, the battery condition meter can also indicate possible problems with your power chair. If the battery condition meter is flashing rapidly, the controller may be indicating a fault.

The following is a list of the possible errors signified by the rapidly flashing meter.

Flash Code Sequence	Diagnosis	Solution
••••—	Low battery voltage fault	Check batteries/battery wiring.
••••••—	High battery voltage fault	Check batteries.
••••••••—	Left motor (or connection) fault	Check left motor wiring.
••••••••••—	Right motor (or connection) fault	Check right motor wiring.
••••••••••••—	Left or right park brake (or connection) fault	Check motor/brake wiring.
••••••••••••••—	Controller fault	See your authorised Pride Dealer.
••••••••••••••••—	Motor stalled or joystick out of neutral time out	Reset the power on/off button.

The symbol “•” means all 6 LEDs flash on for a period of 0.2 seconds and off for 0.8 seconds.

The symbol “—” means all 6 LEDs are off for a period of two seconds before flashing sequence repeats.

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

In the event of a fault, the flashing battery condition meter displays diagnostic indications. Faults are encoded as follows: one (for a low battery voltage fault) to seven (for a motor stalled or joystick out of neutral time out fault) and are displayed by all LEDs flashing the number of times prescribed by the fault code. The flash sequence (one to seven) is followed by a long off period (2 seconds). If more than one fault exists, then the fault having the highest priority is indicated. The controller must be turned off and then on again even if the source of the fault is removed. If you cannot resolve the problem, contact your authorised Pride Dealer.

## Thermal Rollback

The power chair controller is equipped with a thermal rollback circuit. This circuit monitors the temperature of the motors and the controller. In the event that the motors or the controller become excessively hot (above 50° C/122° F), the controller reduces the motor voltage. For every degree above 50° C/122° F, the controller reduces the voltage 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 capability.

# VII. CARE AND MAINTENANCE

## ROUTINE MAINTENANCE

Your Jazzy is a sophisticated power chair. Like any motorised vehicle, it requires routine maintenance checks. You can perform some of these checks, but others require assistance from 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 Jazzy gives you years of trouble-free operation. If you have any doubt as to your Jazzy's care or operation, contact your authorised Pride Provider.

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



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

### Should your Jazzy come in contact with water:

1. Dry your Jazzy as thoroughly as possible with a dry towel.
2. Allow your Jazzy to sit in a warm, dry place for 12 hours to allow unseen water to evaporate.
3. Check the joystick operation and the brakes before using your Jazzy again.
4. If any inconsistencies are found, take your Jazzy to an authorised Pride Provider.

## TEMPERATURE

Some of the parts of your Jazzy are susceptible to extreme changes in temperature. Always keep your Jazzy between the temperatures of -8° C/18° F and 50° C/122° F.

- In extremely cold temperatures the batteries may freeze. The specific temperature at which they 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 Jazzy to operate at a reduced speed. This reduced speed is a safety feature built into the controller that helps prevent damage to the motor and other electrical components. See VII. "Care and Maintenance."

## GENERAL GUIDELINES

- Avoid knocking or bumping the controller, especially the joystick.
- Avoid prolonged exposure of your Jazzy to extreme conditions, such as heat, cold, or moisture.
- Keep the controller clean.
- Check all connectors on the electronics tray to ensure that they are all tight and secured properly.
- When the battery condition meter is completely lit, the batteries are fully charged, and the controller and the electrical system are OK.
- If one red light on the battery condition meter is blinking slowly, the batteries are low and need to be charged, but the controller and the electrical system are OK.
- If the battery condition meter is blinking rapidly, the controller has detected a fault in either its own circuits or in your Jazzy's circuits. See VII. "Care and Maintenance."
- Make sure the drive tyres are inflated to **2 – 2.4 bar (30 – 35 psi)**.



# VII. CARE AND MAINTENANCE



**WARNING! Make sure your tyres are inflated to 2-2.4 bar (30-35 psi). Do not underinflate or overinflate your tyres. Low pressure may result in loss of control, and overinflated tyres may burst. Serious personal injury may result. Overinflating tyres can cause them to explode and can result in personal injury.**

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

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



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

- The body shroud has been sprayed with a clear sealant coating. You can apply a light coat of car wax to help it retain its high-gloss appearance.
- Check all electrical connections. Make sure they are tight and are not corroded. Batteries must sit flat within the battery well, with the battery terminals facing inward, toward each other. Refer to the frame decal for the correct wiring layout. See figure 17.
- All wheel bearings are prelubricated and sealed. They require no subsequent lubrication.

## DAILY CHECKS

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

## WEEKLY CHECKS

- Disconnect and inspect the controller and the charger inhibit connection on 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 Jazzy. Do not overtighten any screws.
- Check for proper tyre inflation. There should be **2 – 2.4 bar (30 – 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 7.62 cm of clearance around your Jazzy.

### To check the brakes:

1. Turn on the controller and turn down the speed level of your Jazzy.
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.

# VII. CARE AND MAINTENANCE

## MONTHLY CHECKS

- Check that the anti-tip wheels do not rub the ground when you operate the Jazzy. Adjust them as necessary. See IV. “Comfort Adjustments.”
- 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 them as necessary.
- Check the rear forks for damage or fluttering which indicates that they may need to be adjusted or have the bearings replaced. See an authorised Pride Provider for repair.
- Keep your Jazzy clean and free of foreign material, such as mud, dirt, hair, food, drink, etc.

## YEARLY CHECKS

Take your Jazzy to an authorised Pride Provider for yearly maintenance. This helps ensure that your Jazzy 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 Jazzy. See VI. “Operation.”



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

## CLEANING INSTRUCTIONS



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

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

## TYRE/WHEEL REPLACEMENT

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



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

**WARNING!** Completely deflate the tyre before attempting repair.

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

1. Turn off the power to the controller.
2. Set the power chair up on blocks.
3. If you are changing a pneumatic tyre, completely deflate it before removing the wheel.
4. Use a socket spanner to remove the drive wheel nut from the center hub of the wheel.
5. Pull the wheel off the axle.

## VII. CARE AND MAINTENANCE

6. Use a socket spanner to remove the bolts that fasten the two wheel halves together.
7. Remove the old tube from the pneumatic tyre and replace it with a new tube.
8. Use a socket spanner to reinstall the bolts that fasten the two wheel halves together.
9. Slide the wheel back onto the shaft.
10. Reinstall the drive wheel nut into the center hub and tighten.
11. Inflate the pneumatic tyre to **2 – 2.4 bar (30 – 35 psi)**.

### BATTERY REPLACEMENT

A diagram is printed on a decal located on the Jazzy frame near the battery tray.

**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.**

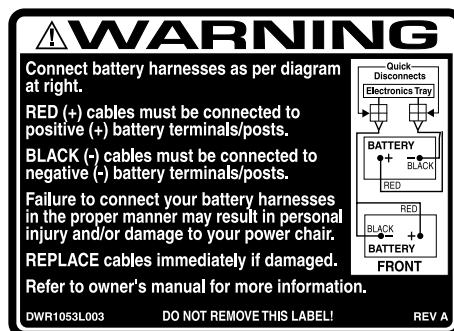
#### To replace the batteries:

1. Turn the power off.
2. Make sure that the Jazzy is in drive mode. See III. “Your Power Chair.”
3. Remove the seat.
4. Remove the shroud.
5. Disconnect the batteries from the electronics tray.
6. Disconnect the wiring harnesses from the batteries.
7. Install the wiring harnesses on new batteries.
8. Connect the wire marked (+) to the positive (red) battery terminal.
9. Connect the wire marked (-) to the negative (black) battery terminal.
10. Repeat 9 and 10 for the other battery.



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

11. Place the batteries in the power base. Make sure that the terminals are facing the correct direction. See figure 18.
12. Reconnect the wiring harnesses to the power base.



**Figure 18. Battery Wiring Diagram**

# VII. CARE AND MAINTENANCE

## MOTOR BRUSHES

The electric motors that power your Jazzy use carbon brushes. These brushes may become susceptible to wear over a long period of time. The motor brushes are the two contacts located inside the motor assembly that supply power to the motor. They are designed to provide several thousand hours of operation. However, if the brushes become dirty with carbon deposits or wear out, the motor will run poorly or not at all.



**CAUTION!** If an inspection determines excessive wear on the brushes, they must be replaced or motor damage will result. Failure to maintain the brushes could void your warranty.

### To inspect or replace the motor brushes:

1. Remove the seat and body shroud.
2. Unscrew the motor brush caps. See figure 19.
3. Remove the brushes.
4. Inspect for wear. See figure 20.
5. Replace the brushes, if necessary. Contact your authorised Pride Provider for replacement brushes.

### WHEN TO SEE YOUR AUTHORISED PRIDE PROVIDER FOR SERVICE

The following symptoms could indicate a serious problem with your Jazzy. If necessary, contact your 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

### 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 come with the load tester. If either one of the batteries fails the load test, replace both of them. If your Jazzy still does not power up, contact your authorised Pride Provider.

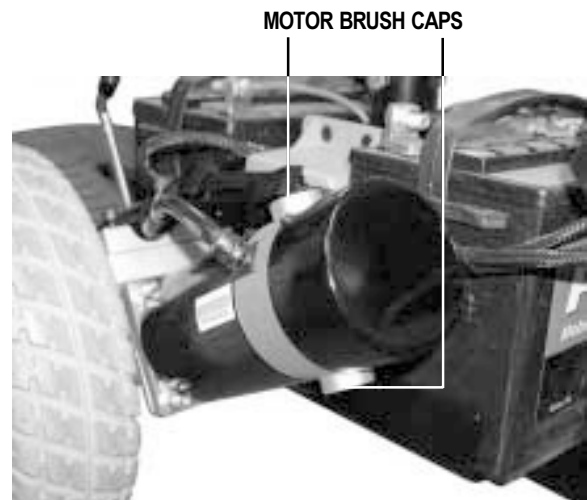


Figure 19. Motor Brush Caps

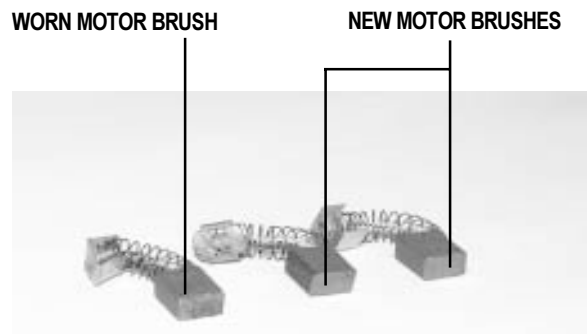


Figure 20. Motor Brushes

# VIII. OPTIONS AND ACCESSORIES

## POWER ELEVATING SEAT OPTION

Your Jazzy may be equipped with a power elevating seat actuator. See figure 21. This feature can enhance the capabilities of the Jazzy in several ways:

- By elevating the seat, your level of reach is extended, to allow more freedom and independence in many environments.
- You can easily adjust the Jazzy's seat height to any surface to which you want to transfer. The seat swivels 90 degrees to whichever side the joystick is located.
- By raising your seat, you are closer to the eye level of standing persons. This provides better interaction.

For all the benefits your power elevating seat can provide you, there are limitations. The following precautions must be observed in order to assure safe use of the Jazzy power elevating seat option.

**WARNING! The power elevating seat option is intended for use on a level surface only. Never raise the seat from its lowest position on an inclined surface. Failure to heed this warning can result in your Jazzy tipping over and causing injury.**



**WARNING! Never raise the seat from its lowest position when operating your Jazzy on bumpy or uneven surfaces. Failure to heed this warning can result in your Jazzy tipping over and causing injury.**

**WARNING! Never raise the power elevating seat when the chair is in freewheel mode.**

**WARNING! Always fasten the positioning belt when operating the power elevating seat. The power elevating seat option is equipped with a system that reduces your Jazzy's speed by one half when the seat is elevated more than 2.54 – 5.08 cm. Always check to be sure this system is operating properly before using your Jazzy.**



**Figure 21. Power Seat Actuator**

## VIII. OPTIONS AND ACCESSORIES

*NOTE: Be sure you are on a flat level surface before activating the power elevating seat.*

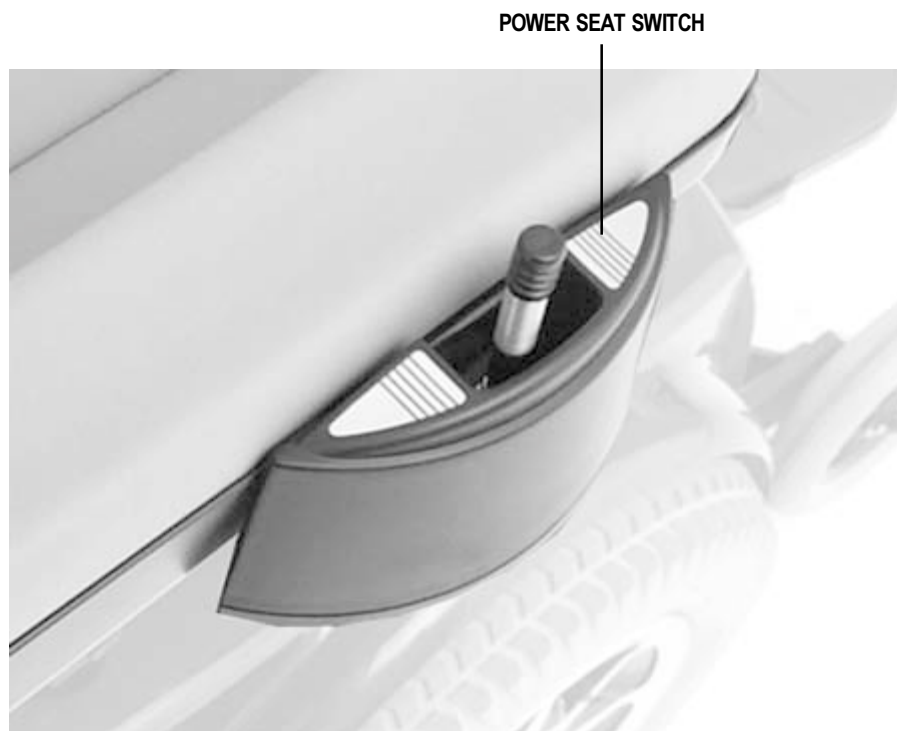
### POWER ELEVATING SEAT OPERATION

You can control the power elevating seat through the toggle switch located on the armrest. See figure 22.



**WARNING! Do not allow the motor to run more than a few seconds after the mechanism reaches the top or bottom limit.**

- To raise the power elevating seat, push the toggle switch forward. Releasing the toggle switch returns the switch to its center (upright) position. To continue your lift, push the toggle switch forward again. Once the seat reaches its highest extension, the lift action stops; you should continue to hear and/or feel the lift motor running. This is because there is a clutch mechanism that allows the motor to continue running after the lift has reached its limit. This clutch works at both the top and bottom extensions of the lift. In order to prolong the life of your lift mechanism, please do not allow the motor to run more than a few seconds after the mechanism reaches the top or bottom limit.
- To return the seat to its lowest position, pull the toggle switch toward you. Releasing it stops the motor. When returning to the lowest position, always be sure that the mechanism has reached its lowest limit.
- To use the swivel feature, locate the swivel lever under the seat. It is located on the opposite side of the controller. Push down on the lever and the seat can be swiveled 90 degrees.



**Figure 22. Power Seat Switch**

# VIII. OPTIONS AND ACCESSORIES

The following accessories are available from your authorised Pride Provider.

## **POSITIONING BELT**

The positioning belt is designed to support your torso so that you do not slide down or forward in the seat.

- The positioning belt is not designed for use as a restraining device.
- Make sure the belt is secure but does not cause discomfort.



**WARNING! The positioning belt is not designed for use as a seat belt in a motor vehicle. Nor is your Jazzy 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.**

## **CANE AND CRUTCH HOLDER**

The removable cane and crutch holder is mounted to the back of the seat by means of the accessory bracket.

## **WALKER HOLDER**

The removable walker holder is mounted to the back of the seat by means of the accessory bracket. It can hold a standard size walker.

## **CUP HOLDER**

The cup holder is mounted to the armrest.

## **OXYGEN TANK HOLDER**

The removable oxygen tank holder is mounted to the back of the seat by means of the accessory bracket.

## **REAR BASKET**

The rear basket is mounted to the accessory bracket. It has a handle that you can use when you remove the basket.

## **SWING-AWAY JOYSTICK BRACKET**

This option enables you to move the joystick from the front of the armrest to the side of the armrest without disconnecting it.

## **ELEVATING LEG RESTS**

Elevating Leg Rests (ELRs) provide the Jazzy with the ability to support each leg individually.

## **SWING-AWAY LEG RESTS**

Swing-away Leg Rests provide the Jazzy with the ability to swing each leg rest to the side for an easier transfer.

## **SPECIALTY SEATING SYSTEMS**

Your Jazzy may be equipped with specialty seating. Please refer to the instructions that come with this seat.

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

## **LIFETIME LIMITED WARRANTY**

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

## **TWO-YEAR LIMITED WARRANTY**

Drivetrain, including: differential, motor, and brake.

## **ONE-YEAR LIMITED WARRANTY**

Your Pride 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 1143

Thank you for making the Jazzy 1143 your choice in power chairs.

We have thoroughly inspected your Jazzy 1143. The following checkmarks indicate that it has been test driven and inspected.

**Model #** \_\_\_\_\_

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



**Controller**

\_\_\_\_\_  
**Controller Serial #**

**Inclusion of all Parts**

**Fit and Finish**

**Performance**

**Owner's Manual**

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

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

\_\_\_\_\_  
Inspector