

Jazzy 1400

Owner's Manual

ATTENTION:
Read everything
in this manual
before operating
your Jazzy



≡ How a Power Chair Should Feel!™

Pride
Mobility Products Ltd.

Unit 106
Heyford Park Camp Road
Upper Heyford, Oxfordshire OX6-3HD

www.pridemobility.com

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 local authorized Pride provider.

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

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



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



CAUTION! Failure to heed the cautions in this owner's manual may result in damage to your Power Chair.

INFMANU1733

Copyright © 2001
Pride Mobility Products Ltd.

CONTENTS

I. INTRODUCTION	4
II. SAFETY	6
III. EMI/RFI	8
IV. THE JAZZY 1400	10
V. ASSEMBLY	16
VI. COMFORT ADJUSTMENTS.....	18
VII. DISASSEMBLY	24
VIII. OPERATION.....	26
IX. BATTERIES AND CHARGING	34
X. CARE AND MAINTENANCE	39
XI. OPTIONAL ACCESSORIES.....	44
XII. WARRANTY	47

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

Welcome to Pride Mobility Products Ltd (Pride). Congratulations on the purchase of your new Jazzy Power Chair. The Jazzy 1400 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 Jazzy 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 Jazzy 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 Jazzy Power Chair.

Pride is not liable for damage to property or personal injury arising out of unsafe use of a Jazzy 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 Jazzy related literature issued by Pride or contained on the Jazzy 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 had purchased.

If you experience any problems with your Jazzy 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 Jazzy, 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 Jazzy 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 Jazzy. Please feel free to write us at the address below:

Pride Mobility Products Ltd.
Unit 106, Heyford Park Camp Road
Upper Heyford, Oxfordshire OX6 3HD

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

Pride Owners Club

As an owner of a Pride product, you are invited to register your product's warranty and enroll in the Pride Owners Club. You may do so by filling out and returning your enclosed registration card or by visiting Pride's web site at **www.pridemobility.com**. As a registered member, each time you visit our site, you will have access to the most interactive and honest educational venue available today for people with mobility needs, their families and friends.

From our home page, click on the button that reads "Owners Club" to enter a page dedicated to current and potential Pride product owners. You will gain access to interviews, stories, recreation ideas, daily living tips, product and funding information, and interactive message boards. On these message boards you are invited to speak with other Pride customers as well as Pride representatives who are available to assist you with any questions or concerns you may have. You will receive a free gift simply for registering with the Pride Owners Club.

My Authorised Pride Provider is:

Name: _____

Address: _____

Phone Number: _____

Quick Reference Information:

Jazzy Model: _____

Serial Number: _____

Purchase Date: _____

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

II. SAFETY

Your Jazzy 1400 is a state-of-the-art life-enhancement device designed to increase your mobility. There are certain situations, including some medical conditions, where you will need to practice operating your Jazzy 1400 in the presence of an attendant. Below are some safety tips that are designed to help you become accustomed to operating your new Jazzy safely.



WARNING: Your Jazzy 1400 is a motorized vehicle. When you are seated on your Jazzy 1400 and you anticipate that you are going to be in a stationary position for an extended period of time, turn off the power. This eliminates the possibility of unexpected chair movement and conserves battery power.

TRANSFERS

Transferring onto and off of your Jazzy 1400 requires a good sense of balance. Be sure to have an attendant or health care professional present while learning to properly transfer yourself. To eliminate the possibility of injury, we ask that you verify the following before attempting a transfer:

- Be sure the power is turned off. See VIII. “Operation” in this manual.
- Be sure your Jazzy 1400 is not in freewheel mode. See IV. “The Jazzy 1400” in this manual.
- Make sure the armrests are flipped up or removed from your Jazzy.
- Flip the footrest up, or move the leg rests aside; this will help to keep your feet from “hanging up” on the footrest or on the leg rests during the transfer.



WARNING: Avoid putting all of your weight on the footrest. This may cause the Jazzy to tip and cause injury.

MOTOR VEHICLE TRANSPORT

Although your Jazzy may be equipped with a positioning belt, this belt was not designed with the intent of providing proper restraint during motor vehicle transport.

- In an effort to improve the safety of its units during motor vehicle transport, Pride has crash-tested numerous Jazzy models. However, since there are unlimited variations of the Jazzy product, all variations could not possibly be tested. Therefore, Pride recommends that Jazzy power chair users should not be transported in vehicles of any kind while in power chairs. As of this date, there are no standards approved for tie-down systems in a moving vehicle of any type to transport a user while in a power chair.
- Always be sure your Jazzy 1400 is properly secured when it is being transported.

WEIGHT LIMITATIONS

Your Jazzy 1400 is rated for a maximum 180 kg (400 lbs.) weight limit. Exceeding the weight limit voids your warranty and may result in personal injury.

PUBLIC ROADS AND PARKING LOTS

It may be difficult for motorists to see you when you are seated on your Jazzy 1400. To ensure your safety, always assume you cannot be seen. Wait until your path is clear of traffic, and then proceed with extreme caution.

II. SAFETY

NOTE: Many municipalities have laws concerning operating your powered wheelchair on public roads. Be sure to check local laws before attempting to do so.

STAIRS AND ESCALATORS

Wheelchairs are not designed to travel up or down stairs or escalators. Always use an elevator. If you try to negotiate steps or escalators, you can cause injury to yourself and to others.

STEPS AND CURBS

- Never attempt to have your Jazzy 1400 climb or descend a step or a kerb that is higher than four (4) inches unless you have the assistance of an attendant.
- Never attempt to have your Jazzy 1400 proceed rearwards down any step, kerb, or other obstacle. Doing so could cause your Jazzy 1400 to tip.

INCLINES AND UNEVEN TERRAIN

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

- Never travel up or down an incline that can be potentially hazardous (for example, areas covered with snow, ice, or cut grass).
- When climbing an incline, try to keep your Jazzy moving. If you must stop, start up again slowly, and then accelerate cautiously.

When driving down an incline, do so slowly by setting the throttle control on the slowest setting and driving in the forward direction only. If your Jazzy 1400 starts to move faster than you anticipated or desired, allow the chair to come to a complete stop by releasing the joystick; then push the joystick slightly forward and continue traveling slowly down the incline.

MAXIMUM RECOMMENDED INCLINE

Pride has performed extensive incline testing with the Jazzy 1400. Our results show that the maximum incline your Jazzy 1400 can safely climb is 8.7 percent at maximum weight capacity. Five degrees is the angle of most handicap access ramps. Any attempt to climb a steeper slope may put your Jazzy in an unstable position.



III. EMI/RFI

Laboratory tests performed by the Food and Drug Administration (FDA) have shown that radio waves can cause unintended motion of powered wheelchairs. Radio waves are a form of electromagnetic energy (EM). When this energy adversely affects the operation of an electronic device, it is called *Electromagnetic Interference (EMI) or Radio Frequency Interference (RFI)*.



WARNING: Radio waves may interfere with the control of powered wheelchairs.

FREQUENTLY ASKED QUESTIONS (FAQS) ABOUT EMI/RFI

The following FAQs summarize what you should know about EMI/RFI. Use this information to minimize the risk that EMI/RFI will affect your powered wheelchair.

Where do radio waves come from?

Radio waves are emitted from the antennas of cellular phones, mobile two-way radios (such as walkie-talkies), radio stations, TV stations, amateur radio (HAM) transmitters, wireless computer links, microwave sources, and paging transmitters. Radio waves are a form of EM. Because electromagnetic energy is more intense closer to the transmitting antenna (source of emission), the EM fields from two-way radios are of special concern to powered wheelchair users.

If my powered wheelchair is affected by EMI/RFI, what kind of motion should I expect?

This is hard to predict. It would depend on a number of factors:

- Strength of the radio wave
- Construction of the powered wheelchair
- Position of the powered wheelchair (whether it is on level ground or on an incline)
- Whether or not the powered wheelchair is in motion

An affected wheelchair's movement can be erratic. It may move by itself or come to a sudden stop. Furthermore, it is possible for EMI/RFI to unexpectedly release the brakes on a powered wheelchair. Some intense sources of EMI/RFI can even damage the control system of your Jazzy.

Is there any way to know for sure whether radio waves are responsible for the unintended motion of my powered wheelchair?

Unfortunately, interference from radio wave sources may be difficult to recognize, since the signals from these sources are invisible and may be intermittent. However, the FDA recommends that you report all incidents of unintended motion or brake release to the powered wheelchair manufacturer and, if possible, note whether there was a radio wave source nearby at the time of the incident.

Has anyone been hurt from erratic, unintended motion of powered wheelchairs?

The FDA has reports of injuries that resulted from the apparently uncontrolled motion of powered wheelchairs. However, it is unclear how many of these incidents were actually caused by radio wave interference.

Are all powered wheelchairs susceptible to EMI/RFI?

Each make and model of chair differs in its ability to resist electromagnetic interference. That is, each has a particular level of “immunity” to interference, measured in volts per meter (V/m). A higher immunity level offers greater protection. In other words, a powered wheelchair that has a high immunity level is less likely to be affected by a strong radio source than is a powered wheelchair that has a low immunity level.

What is the FDA doing about the problem?

The FDA has written to the manufacturers of powered wheelchairs and requested that they test their new products to be sure that they provide a reasonable degree of immunity against EMI/RFI. The letter states that powered wheelchairs should have an immunity of at least 20 V/m. This provides a reasonable degree of protection against the common sources of EMI/RFI. The Jazzy 1400 meets or exceeds an immunity level of at least 20 V/m.

The FDA has also requested that these manufacturers clearly label their products with the immunity level, or state that the immunity level is not known. The labeling and informational material supplied with the powered wheelchair must explain what the immunity level means, and the labeling or informational material must warn users about the possibility of EMI/RFI and how to avoid it. In addition, the FDA has recommended that manufacturers establish an educational program to inform powered wheelchair users and their caregivers about the problems associated with EMI/RFI, and about the actions that can be taken to minimize the risk of EMI/RFI. The FDA requested that manufacturers of powered wheelchairs have these actions implemented by December 2, 1994.

What can I do to find out if my powered wheelchair is likely to be affected by EMI/RFI?

If you’ve had your powered wheelchair for a long time and haven’t experienced any unintended motion, it is not likely that you will have problems in the future. Nevertheless, it is always possible that problems could arise if you are close to a source of radio waves. Therefore, it is very important to be alert to this possibility.

What can I do to reduce the risk that my powered wheelchair could be affected by EMI/RFI?

Here are some precautions you can take:

- Do not turn on or use hand-held personal communications devices such as citizens band (CB) radios and cellular phones, while the powered wheelchair is on.
- Be aware of nearby transmitters (such as radio or TV stations and hand-held or mobile two-way radios) and try not to come close to them. For example, if you are in a powered wheelchair with an immunity level of 20 V/m, you should remain at least three feet from a hand-held two-way radio and ten feet from a mobile two-way radio.
- Be aware that adding accessories and/or components, or modifying the powered wheelchair, may make it more susceptible to interference from radio wave sources. There is no easy way to evaluate their effect upon the overall immunity of the powered wheelchair.

What should I do if my powered wheelchair moves unexpectedly?

If unintended motion or brake release occurs, turn the powered wheelchair off as soon as it is safe to do so.

If my powered wheelchair moves unexpectedly, where should I report this?

Call Pride at (570) 655-5574 to report the incident.

IV. THE JAZZY 1400

Your Jazzy 1400 has two main assemblies: the seat and the power base. See figures 1 and 2. There is a variety of seating options that are designed to accommodate most users. Typically, the seating assembly includes the armrests, the seatback, the seat base, and the joystick controller. Your Jazzy seat may also have some optional accessories attached to it such as a basket, a cane/crutch holder, a cup holder, or a power seat switch. See XI. “Optional Accessories” in this manual.

The power base is the heart of your Jazzy 1400. The power base assembly includes a frame, two drive wheels, two anti-tip wheels, two rear caster wheels, harness connectors, and a body shroud. See figure 2 for a full rear view.

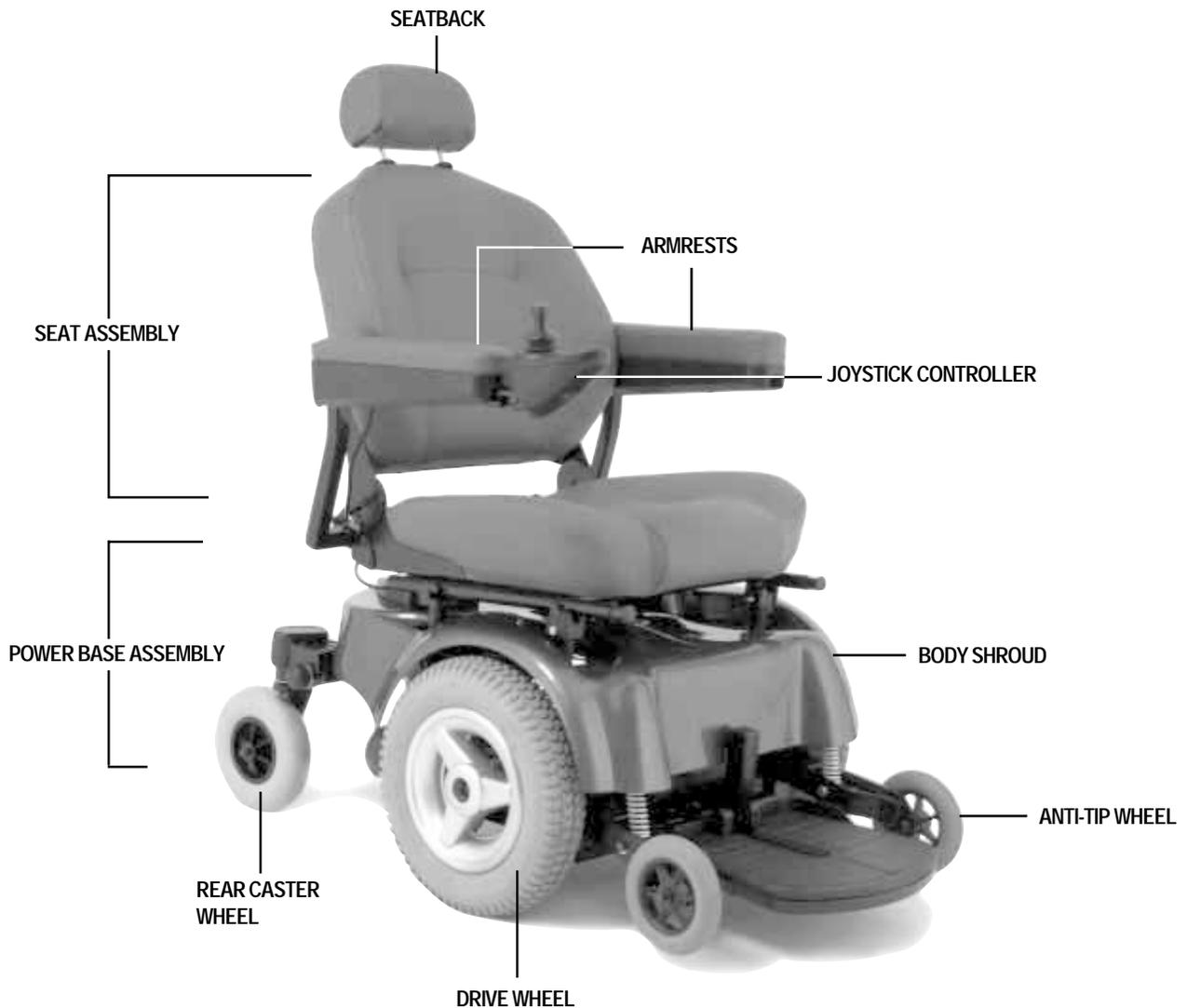


Figure 1. The Jazzy 1400

IV. THE JAZZY 1400



Figure 2. Rear View



Figure 3. Remote Plus Controller Connector



Figure 4. Europa Remote Controller Connector

IV. THE JAZZY 1400

Specifications	
Suspension:	Full suspension with Active-Trac Rear Suspension
Drive Wheels:	36 cm (14 in.), pneumatic (solid tyres are optional)
Casters Wheels:	20 cm (8 in.), solid, rear articulating
Anti-tip Wheels:	15 cm (6 in.), solid, front mounted
Maximum Speed:	7.2 km/h (4.5 mph)
Brakes:	“Intelligent Braking,” electronic regenerative, disc park brake
Ground Clearance:	7.5 cm (3 in.)
Turning Radius:	54.5 cm (21.5 in.)
Overall Size:	Length: 103 cm (40.5 in.) Width: 65 cm (25.4 in.)
Seating Options:	Euro Seat Versa Tilt Medium-Back Seat High-Back Seat Reclining Seat Power Elevating Option
Drivetrain:	Two motor, mid-wheel
Batteries:	Two 12-volt, Group 24 batteries (NF-22 batteries for the power seat option)
Range:	Up to 40 km (25 miles)
Battery Charger:	5-amp Onboard 5-amp off-board (optional)
Electronics:	70-amp P & G Remote Plus Controller 70-amp Dynamic Europa Remote Controller
Weight Capacity:	180 kg/400 lbs./28 Stone (146 kg/325 lbs./23 Stone w/hi-speed motors)
Component Weights:	Base: 58 kg (128 lbs.) Seat: 20 kg (29 lbs.) Batteries: 24 kg (53.5 lbs. each)
Warranty:	Lifetime limited warranty on frame Two-year warranty on electronics Eighteen-month warranty on drive motors

IV. THE JAZZY 1400

UTILITY TRAY

The utility tray is located on the rear of your Jazzy 1400. See figure 5. A section of the utility tray is exposed through the body shroud. The utility tray consists of the ammeter, the battery charger lead, charger fuses, the main circuit breaker, light connectors (optional equipment), and the controller connectors. See figures 3 through 5.

- **Ammeter:** The ammeter displays the charger's current output in amps. For more information, see IX. "Batteries and Charging" in this manual.
- **Battery charger lead:** This is the AC power lead for the battery charger.
- **Main circuit breaker:** This is a safety feature built into your Jazzy 1400. When the batteries and the motors are heavily strained (e.g., from excessive loads), the main circuit breaker will trip to prevent damage to the motors and to the electronics. If the circuit trips, allow your Jazzy to "rest" for approximately one minute. Then, push in the circuit breaker button, turn on the joystick controller, and continue normal operation. If the main circuit breaker continues to trip repeatedly, contact your authorised Pride provider.
- **Controller harness connectors:** This is where the joystick connects to the motors, batteries, and charger. Your Jazzy is equipped with a Remote Plus or Europa Remote controller. See figures 3 and 4.
- **Optional lighting harness connector:** This is where the optional lighting harness connects to the controller. If a full lighting package is used, an additional 4-pin plug is located in the rear utility tray.
- **Optional power seat connector:** This is for the power seat switch.

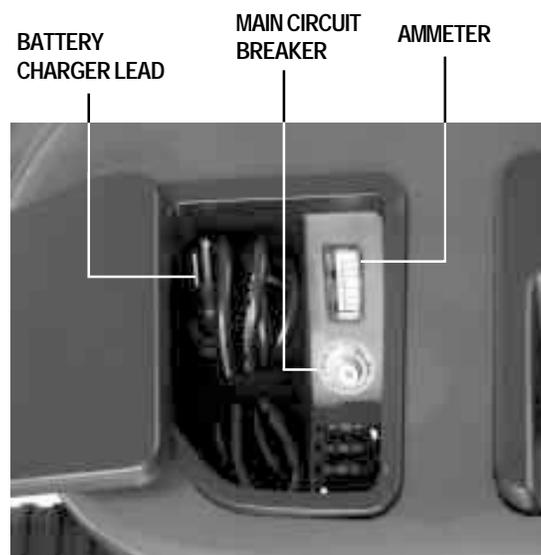


Figure 5. Utility Tray

FREEWHEEL LEVERS

For your convenience, your Jazzy 1400 is equipped with one freewheel lever. See figures 6 and 7. This lever allows you to disengage the drive motors and maneuver the chair manually.



WARNING: DO NOT use your Jazzy 1400 while the drive motors are disengaged unless you are in the presence of an attendant. DO NOT disengage the drive motors when your Jazzy 1400 is on an incline. The chair could roll down on its own, causing injury!

IV. THE JAZZY 1400

To put the Jazzy 1400 in freewheel mode:

At the top of the freewheel/drive-motor lever is a release switch. To lift the freewheel/drive-motor lever, hold the lever while pressing the release switch with your thumb. Lift up on the lever. If the lever is difficult to move, rock your Jazzy back and forth slightly. The lever should then move to the desired position. With the lever in the raised position, let go of the release switch. The Jazzy is now in freewheel mode. See figure 6.

To engage the drive motors:

Push down on the freewheel/drive-motor lever until it locks into place in the lowered position. The release switch at the top of the lever will “click” and lock the lever in place. The drive motors on the Jazzy are now engaged. See figure 7.

NOTE: It is important to remember that when your Jazzy 1400 is in freewheel mode, the braking system is disengaged.

If a lever is difficult to move in either direction, rock your Jazzy 1400 back and forth slightly. The lever should then move to the desired position.



Figure 6. Freewheel Mode



Figure 7. Drive Motors Engaged

IV. THE JAZZY 1400

ACTIVE-TRAC SYSTEM

Your Jazzy 1400 is equipped with an Active-Trac System (ATS). ATS is a suspension system designed to make your Jazzy traverse different types of terrain and obstacles while maintaining smooth operation. With ATS, the front anti-tip wheels work in conjunction with the motor suspension to help you maneuver over obstacles in excess of three (3) inches in height.

As the front anti-tip wheels come in contact with an obstacle, the front anti-tip wheel assembly is drawn upward while the motor suspension is moved downward. This reduces the possibility of the Jazzy 1400 becoming “hung up.”

ATS also helps in normal operating conditions. For instance, when you release the joystick, your Jazzy begins to slow down. As your Jazzy slows, the front anti-tip wheels automatically lower toward the ground. This reduces the forward tip that typically happens when center-wheel-drive chairs slow and come to a stop.

REAR SUSPENSION

Your Jazzy is equipped with Rear Suspension. See figure 8. This suspension system works in conjunction with the ATS and is also designed to maintain a smooth ride when driving over rough terrain and up and down kerbs. This system works by allowing the caster forks to respond to weight transfers and abrupt terrain. The rear caster wheels will pivot as you drive over obstacles. This system also compensates for the lowering of the front anti-tip wheels.



Figure 8. Rear Caster Beam

V . A S S E M B L Y

VERSA SEAT ASSEMBLY

The Versa Seat is standard equipment on the Jazzy 1400. For assembly, please refer to the instruction manual supplied with the Versa Seat.

OPTIONAL SEATING ASSEMBLY

To reduce the possibility of shipping damage, some Jazzy 1400 seats are removed from the power base, and the seat-backs are removed from the seat assemblies before the Jazzy is shipped. The joystick may also be removed from the armrest. The following is a set of instructions to help you quickly and easily prepare your Jazzy 1400 for use.

Parts List	Quantity
Phillips-head seat-back mounting screws	4
Seat-back	1
20-cm wire ties	4

NOTE: Because of the variety of optional seating configurations, the Jazzy's in the assembly photographs may differ slightly from the product you purchased.

SEAT-BACK ASSEMBLY

The seat-back mounts to the back hinges with four (4) Phillips-head screws. You may install the seat-back before or after you install the seat to the power base.

To mount the seat-back to the hinge:

1. Line up the hinges with the holes in the seat-back. See figure 9.
2. Insert the seat-back mounting screws through the hinge and into the seat-back.
3. Use a Phillips screwdriver to tighten the four screws.

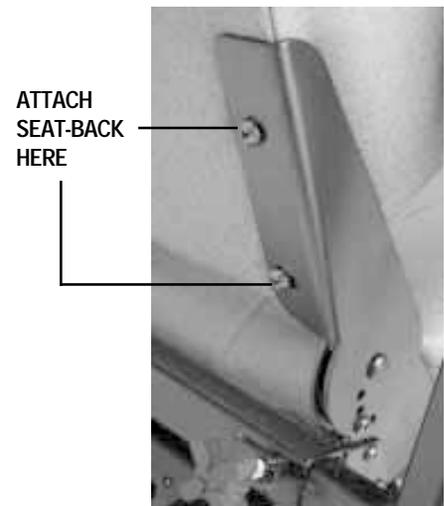


Figure 9. Seat-Back Assembly

SEAT INSTALLATION (SEAT WITH H-FRAME)

The standard seat installation method incorporates the seat frame (H-frame) and four (4) adjustable seat posts located on the power base.

To install the seat:

1. Position the seat on the rear seat towers. See figure 10.
2. Push the seat back and down until the latches engage on the front seat towers. See figure 11.
3. Plug the controller cable into the connector on the utility tray. See figure 12.



Figure 10. Rear Towers

V. ASSEMBLY

4. Plug the power seat switch cable (if so equipped) into the connector on the utility tray.
5. Secure the controller cable to the armrest receiver with one or more wire ties.
6. Route the cable to ensure that the cable cannot be pinched in the seat hinge.

JOYSTICK INSTALLATION

Depending on the various configurations and options you have chosen for your Jazzy, it may have been shipped without the Remote Plus joystick installed in the armrest.

To install the joystick:

1. Use a 3/16-in. hex key to loosen the setscrew. See figure 13.
2. Slide the joystick mounting bracket into the armrest, to the desired position.
3. Retighten the setscrew by turning it clockwise.

POWER SEAT OPTION INSTALLATION

Your Jazzy may be equipped with the power seat option. While the seat itself may be any one of the styles offered for this model, the way the seat base attaches to the Jazzy power base is different.

To install the power seat:

1. Align the seat shaft to the hole in the actuator. See figure 14.
2. Rotate the seat to the forward position until it locks tightly.

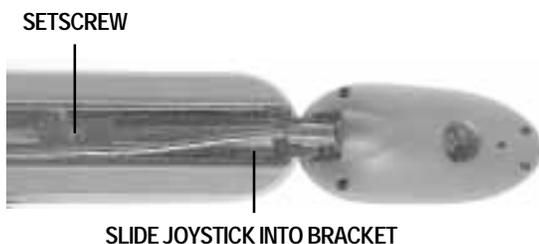


Figure 13. Joystick



Figure 11. Front Seat Towers



Figure 12. Controller Cable

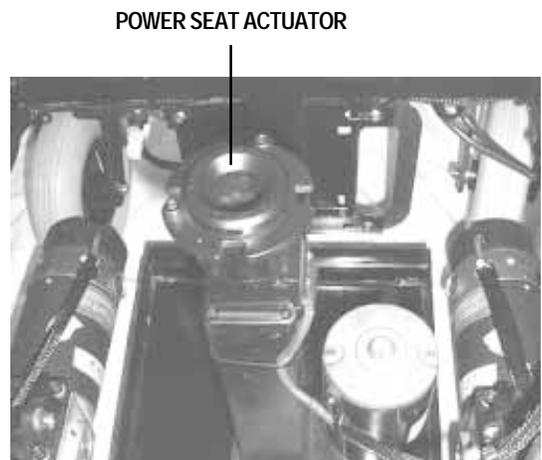


Figure 14. Power Seat Actuator
(Shroud and Batteries Removed for Clarity)

VI. COMFORT ADJUSTMENTS

After becoming familiar with your Jazzy's operation, you may find the need to make some adjustments to increase your comfort, such as seat height and angle, armrest height and angle, footrest height and angle, and the joystick's position.



CAUTION: If your Jazzy 1400 was configured at your Pride provider or service center, please consult your health care professional before changing the seat position or making any other adjustment. Some adjustments may degrade your Jazzy's performance and safety by changing its center of gravity.

SEAT HEIGHT AND ANGLE

If your Jazzy 1400 is equipped with the standard Versa Seat, refer to the "Versa Seat Adjustment and Installation Guide." If your Jazzy is equipped with optional seating, refer to the following information.

To change the seat height:

1. Remove the seat. See VII. "Disassembly" in this manual.
2. Remove the ball detent pin from each seat tower. See figure 15.
3. Raise or lower each seat tower to the desired position.
4. Install the ball detent pin into each seat tower.
5. Install the seat.

To change the seat angle:

Raise or lower only the front or only the rear seat towers.

NOTE: We suggest setting the rear towers one notch lower than the front towers to enhance the performance of your Jazzy 1400.

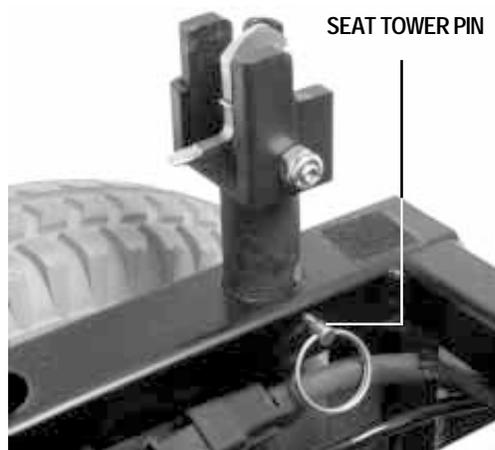


Figure 15. Seat Tower Pin (Optional)

ARMREST WIDTH (OPTIONAL) (MEDIUM AND HIGH-BACK ONLY)

To change the armrest width:

1. Locate the two knobs on the armrest receiver bracket. See figure 16.
2. Loosen the knobs and slide the armrests in or out to the desired width.
3. Tighten the knobs.



Figure 16. Armrest Width (Optional)

VI. COMFORT ADJUSTMENTS

ARMREST ANGLE (MEDIUM/HIGHBACK/RECLINER)

You can adjust the armrest angle to fit your specific needs. See figure 17.

To change the armrest angle:

1. Lift the armrest straight up so that it is perpendicular to the floor.
2. Use a 7/16-in. spanner to loosen the locking nut. See figure 17.
3. Use a 5/32-in. hex key to loosen the adjusting screw.
4. Turn the screw clockwise to raise the front of the armrest, or turn the screw counterclockwise to lower the front of the armrest.
5. Lock the adjusting screw into place by tightening the locking nut.

ARMREST HEIGHT (OPTIONAL)

Your Jazzy 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 insert the ball detent pin.
4. For permanent positioning, tighten the setscrew.

JOYSTICK EXTENSION

The joystick control can easily slide out away from the armrest, or in toward the armrest. See figure 18.

To extend the joystick:

1. Use a 3/16-in. hex key to loosen the setscrew.
2. Slide the joystick mounting bracket into or out of the armrest to the desired position.
3. Tighten the setscrew by turning it clockwise.

SWING-AWAY JOYSTICK

Your Jazzy may be equipped with a swing-away joystick. This option enables you to move the joystick from the front of the armrest to the side of the armrest without disconnecting it. See figures 19 and 20.

TURN THIS SCREW TO CHANGE ARMREST ANGLE

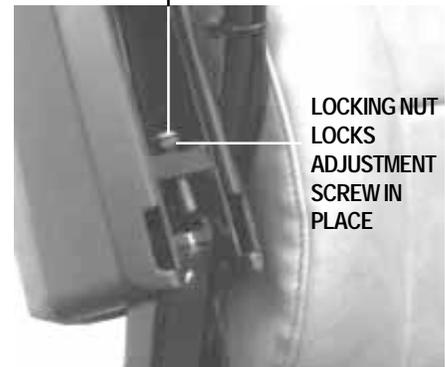


Figure 17. Armrest Angle Adjustment

LOOSEN THIS SETSCREW TO ADJUST JOYSTICK



Figure 18. Joystick Extension



Figure 19. Swing-Away Joystick (Forward Position)



Figure 20. Swing-Away Joystick (Retracted Position)

VI. COMFORT ADJUSTMENTS

FOOTREST HEIGHT (OPTIONAL)

The footrest height is easily adjusted to one of six different heights, in 2.54-cm increments.

To raise or lower the footrest:

1. Remove the 3/8-in. bolt and nut from the footrest. See figure 21.
2. Raise or lower the footrest to the desired height.
3. Install the 3/8-in. bolt and nut into the footrest and tighten.

FOOTREST ANGLE (OPTIONAL)

You can adjust the angle of the footrest with a 3/16-in. hex spanner. See figure 22.

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.

SWING-AWAY FOOTRESTS (OPTIONAL)

Swing-away Footrests (SFRs) are an option. They enable you to move the leg rest to the side before you transfer on or off of your Jazzy.

To move the SFRs:

1. Push in the release lever. See figure 23.
2. Move the SFRs.

ELEVATING LEG RESTS OPTION

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

To adjust the ELR angle:

1. Press the release lever. See figure 24.
2. Move the leg rest to the desired angle.

To adjust the ELR leg rest height:

1. Remove the two screws from the side of each leg rest extension. See figure 25.
2. Loosen the bolt on the side of each leg rest extension.
3. Slide the leg rest in or out to the desired length.
4. Tighten the bolt and reinstall the two screws.

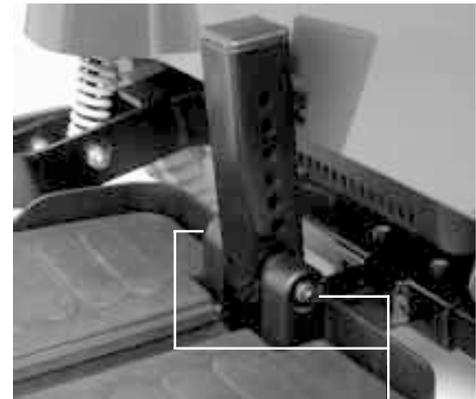


Figure 21. Footrest Height

REMOVE THIS NUT AND BOLT TO RAISE OR LOWER THE FOOTREST



Figure 22. Footrest Angle

TURN THIS SETSCREW TO CHANGE FOOTREST ANGLE



Figure 23. Swing-Away Footrests

SFR RELEASE LEVER

VI. COMFORT ADJUSTMENTS

HIGH-BACK WITH HEADREST OPTION

If your Jazzy is equipped with the deluxe high-back seat, you can adjust the headrest height.

To adjust the headrest height:

1. Push in the headrest release button.
2. Move the headrest up or down to the desired position.

RECLINING SEAT OPTION

If your Jazzy is equipped with a reclining seat, you can adjust the seat-back angle and the armrest angle.

To adjust the seatback angle:

1. Press down on the seat-back release lever. See figure 26.
2. Move the seatback down or up to the desired position.
3. Release the seatback release lever.

POWER ELEVATING SEAT OPTION

If your Jazzy is equipped with a power elevating seat, you can change the seat height automatically. The seat height switch is located on the armrest.

To change the seat height:

1. Press forward on the power seat switch to raise the seat. See figure 27.
2. Pull back on the power seat switch to lower the seat.

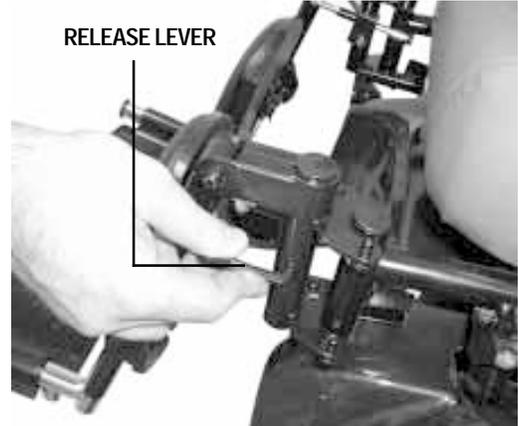


Figure 24. Elevating Leg Rests

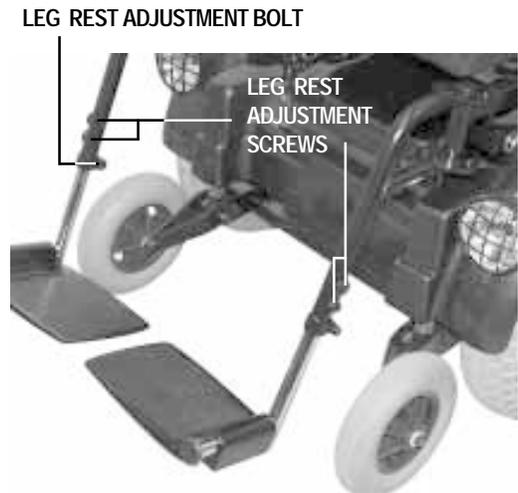


Figure 25. Elevating Leg Rests



Figure 26. Seat-Back Release Lever

VI. COMFORT ADJUSTMENTS

POWER SEAT CAUTIONS

- Read your Jazzy 1400 owner's manual thoroughly before operating your Jazzy.
- The power seat option is intended for use only while your Jazzy is on level surfaces.
- Always fasten the safety 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. Always check to be sure this system is operating properly before using your Jazzy.
- Operate your Jazzy only on a flat, level surface whenever the elevating seat is raised from its lowest position.
- Never raise the power elevating seat when the chair is in freewheel mode.

POWER SEAT SWITCH



Figure 27. Power Seat



WARNING: Never raise the seat from its lowest position while your Jazzy is 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.

ANTI-TIP WHEELS

The anti-tip wheels are designed to give your Jazzy increased stability on rough surfaces. The anti-tip wheels are preset at the factory to a height of 1/2-in. off the ground. This setting is for smooth surfaces or indoor use only. If you plan on using your Jazzy on rough surfaces, it may be necessary to adjust the anti-tip wheels to better suit your needs. The anti-tip wheels may need adjustment if either of the following occur:

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

VI. COMFORT ADJUSTMENTS

To adjust the anti-tip wheels:

1. Place a 1/2-in. spanner on the inner locknut of the anti-tip bracket located right after your shock strut. See figure 28.
2. Turn locknut counterclockwise to loosen.
3. Place your 1/2-in. spanner on the adjustable cam located on the other side of the locknut.
4. To adjust the anti-tip upward, turn the cam counterclockwise. To adjust the anti-tip downward, turn the cam clockwise. See figure 29.

NOTE: Each drive tyre must have at least 30 lbs. of air pressure in order for the anti-tip wheels to be properly adjusted.

NOTE: The higher you raise the anti-tip wheels, the more tendency your Jazzy has to tilt forward when coming to a stop. You can compensate for this by making a small adjustment to the pre-programmed deceleration setting in the controller or by moving the seat assembly further to the rear of your Jazzy.



Figure 28. Anti-Tip Bracket



Figure 29. Anti-Tip Wheel Adjustment

VII. DISASSEMBLY

SEAT REMOVAL

You may wish to remove the seat for transportation. If you have a Versa Seat, please refer to the “Versa Seat Installation and Adjustment Guide.”

To remove the seat:

1. Turn the power off.
2. Make sure your Jazzy is not in freewheel mode.
3. Unplug the main wire harness behind the seat.
4. Simultaneously depress the two plungers on the front of the seat frame while lifting the front of the seat. See figure 30.
5. Lift the seat up and gently lower it back onto the front seat towers.
6. Pull the seat forward and lift it off of the rear seat towers.



Figure 30. Removing the Seat

To remove a power seat:

1. Push down on the seat release lever.
2. Lift the seat off of the actuator.

BODY SHROUD REMOVAL

The body shroud is a one-piece molded plastic body that covers the power base frame. It helps protect your Jazzy's components from the environment. It also provides mounting points for lights and the standard light switch. You must remove the body shroud in order to change the batteries and check the cable connections.

To remove the body shroud:

1. Turn the power off.
2. Make sure your Jazzy is not in freewheel mode. See IV. “The Jazzy 1400” in this manual.
3. Unplug the controller wiring harness.
4. Remove the seat.
5. Disconnect the lighting harness (if your Jazzy is equipped with lights).
6. Lift the body shroud straight up. The body shroud is attached to the metal frame by reusable fasteners. The body shroud should lift up easily.

VII. DISASSEMBLY

BATTERY REMOVAL

To remove the batteries:

1. Turn the power off.
2. Remove the body shroud.
3. Remove the battery post caps (both red and black).
4. Unscrew the wing nuts on (+) red battery terminals, one at a time.
5. Remove the (+) red battery cables from the battery posts; be sure to secure them away from the batteries.
6. Loosen the wing nuts on (-) black battery terminals.
7. Remove the (-) black cables and secure them away from the batteries.
8. You can now remove the batteries from your Jazzy 1400.



WARNING: The Jazzy 1400 batteries weigh approximately 44 pounds each. If you are unable to lift that much weight, be sure to get help. Lifting weight above your capacity to do so could result in injury.

VIII. OPERATION

JOYSTICK AND CONTROLLER

Your Jazzy is operated by your joystick and controller. The Jazzy 1400 is currently available with one of two controller options: Remote Plus or Europa Remote. See figures 31 and 32. Refer to the section that applies to the controller you own.



Figure 31. Remote Plus Controller



Figure 32. Europa Remote Controller

To operate your Jazzy:

1. Turn the power on (push the on/off key). The battery condition meter lights, 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 Jazzy 1400 moves.

CONTROLLER FUNCTIONS

The controller translates the speed and the directional information from the joystick to the motors. It has self-diagnostic features that are designed to search for potential problems at the rate of 100 times per second. If the controller detects a problem in the wheelchair's electrical system, the wheelchair may, depending on the severity of the problem, stop functioning. See "Trouble Codes" in this section.

The controller is designed to maximize user safety under normal operating conditions. This controller, however, cannot take into account circumstances that put your Jazzy 1400 outside of its normal operating environment as described within this manual. It is very important that you follow the precautions described within this manual.

VIII. OPERATION

REMOTE PLUS CONTROLLER

The Remote Plus controller system consists of the joystick and the controller box. The joystick sends signals to the controller box through a cable attached to the back of the joystick. This cable connects to the controller box through the utility tray. The Remote Plus joystick is typically located at the end of either the right or the left armrest. See figure 33. The Remote Plus controller box is located underneath the front of the power base.

JOYSTICK FUNCTIONS

The joystick function is similar for all controller configurations. The joystick controls the direction and speed of the wheelchair. See figure 34. When you move the joystick from the neutral (center) position, the electromagnetic brakes release and allow the wheelchair to move. The further you push the joystick from its neutral position, the faster your Jazzy moves. When you release the joystick and allow it to return to the neutral position, you engage the electromagnetic brakes. This causes the chair to decelerate and come to a complete stop. If your Jazzy 1400 begins to move in an unexpected manner, immediately release the joystick. Unless the joystick is damaged, this action should stop your Jazzy 1400.



WARNING: Do not use the on/off key to stop the chair. This may cause injury.

Battery Condition Meter

The battery condition meter consists of ten LEDs over the speed indicator. These lights are an accurate indication of your usable battery capacity. They also alert you of any faults found within your unit. See “Trouble Codes.”

On/Off Key

The on/off key turns your unit on and off.

Horn Key

This key activates the horn.



Figure 33. Remote Plus Joystick Features

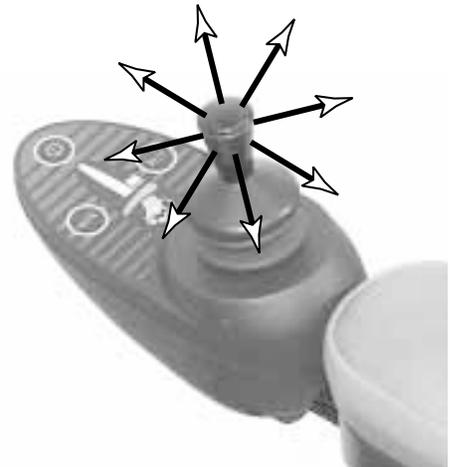


Figure 34. Joystick Movement

VIII. OPERATION

SPEED AND MODE ADJUSTMENTS

The Remote Plus joystick controller is equipped with a mode key and a speed indicator. See figure 33. The mode key allows you to access different wheelchair functions. Activating the mode key allows you to adjust the maximum wheelchair speed. To increase or decrease the overall speed, activate the mode key once. Pushing the joystick to the right will increase the speed setting. Pushing the joystick to the left will decrease the speed setting. The speed indicator LEDs will light up from left to right. When one LED is lit, the speed is in the slowest setting. When all five LEDs are lit, the speed is in the fastest setting. After selecting your desired speed, activate the mode key again to return to drive or simply activate the joystick in the forward or reverse direction and your Jazzy will operate at the selected speed setting.

NOTE: We recommend that the first few times you operate your Jazzy 1400 you have your speed adjustment mode on the slowest setting until you become familiar with your new power wheelchair.

If your Jazzy is equipped with power seat functions, you can access seat control by pressing the mode key twice. Push the joystick to the right to toggle to your desired seat function. The LED will light in various positions indicating which seat function is active. When the LED is lit in the appropriate section, push the joystick forward to raise the actuator and push the joystick in reverse to lower the actuator. To return to drive, activate the mode key again.

SLEEP MODE

If your Jazzy 1400 is equipped with a Remote Plus controller, then you have 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 lights on the joystick 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 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 becomes excessively hot (above 122° F), the controller reduces the motor voltage. For every degree above 122° F, the controller reduces the voltage by five volts. This reduces your Jazzy's speed and allows the electrical components to cool down. When the temperature returns to a safe level, your Jazzy 1400 resumes its normal speed.

TROUBLE CODES

In addition to indicating the current state of battery charge, the battery condition meter can also indicate possible problems with your Jazzy 1400. The battery condition meter has ten individual bars. The bars provide information by the number of bars that are flashing. If the meter is flashing rapidly, the controller may be indicating a fault. For instance, the very first red bar flashing rapidly indicates the battery voltage is nearly depleted. The following is a list of the possible errors signified by the rapidly flashing meter.

VIII. OPERATION

Flashing Bars	Diagnosis	Solution
10 Green	High Battery Voltage	Check Batteries
9 Green	Solenoid Brake Fault	Check Motor/Brake Wiring
8 Green	Possible Controller Fault	See Authorised Dealer Service Center
7 Yellow	Possible Joystick Fault	See Authorised Dealer Service Center
6 Yellow	Inhibit Active	Unplug Charger/Check Connections
5 Yellow	Right Motor Wiring Fault	Check Right Motor Wiring
4 Yellow	Right Motor Disconnected	Check Right Motor Wiring
3 Red	Left Motor Wiring Fault	Check Left Motor Wiring
2 Red	Left Motor Disconnected	Check Left Motor Wiring
1 Red	Low Battery Voltage	Check Batteries/Battery Wiring

If you cannot resolve your problem, see an authorised Pride provider or service center.

VIII. OPERATION

EUROPA REMOTE CONTROLLER

The Europa Remote controller system consists of the joystick and the power module. This means that all of the programming is done within the joystick and the power module reacts accordingly. The power module is located underneath the front of the power base. The Europa joystick is typically located at the end of either the right or the left armrest. See figure 35.

JOYSTICK FUNCTIONS

The joystick function is similar for all controller configurations. The joystick controls the direction and speed of the wheelchair. See figure 36. When you move the joystick from the neutral (center) position, the electromagnetic brakes release and allow the wheelchair to move. The further you push the joystick from its neutral position, the faster your Jazzy moves. When you release the joystick and allow it to return to the neutral position, you engage the electromagnetic brakes. This causes the chair to decelerate and come to a complete stop. If your Jazzy 1400 begins to move in an unexpected manner, immediately release the joystick. Unless the joystick is damaged, this action should stop your Jazzy 1400.

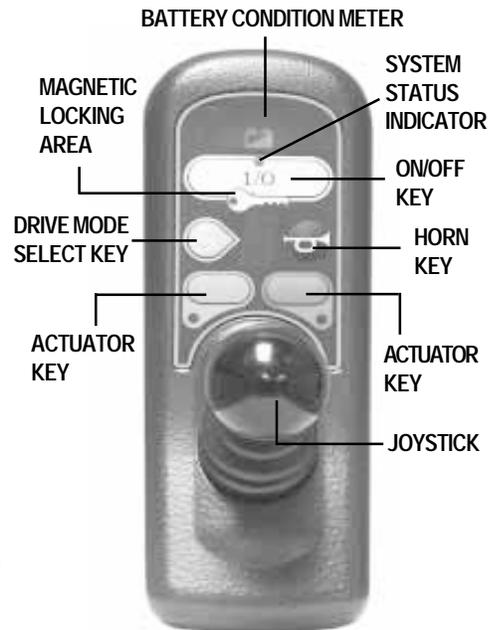


Figure 35. Europa Remote Controller



WARNING: Do not use the on/off key to stop the chair. This may cause injury.

Battery Condition Meter

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

Magnetic Locking Area

The Europa keypad is equipped with a feature that enables you to “lockout” unauthorised users. For this function, you need the magnetic key supplied with your Jazzy. If you lose this key, contact your authorised provider.

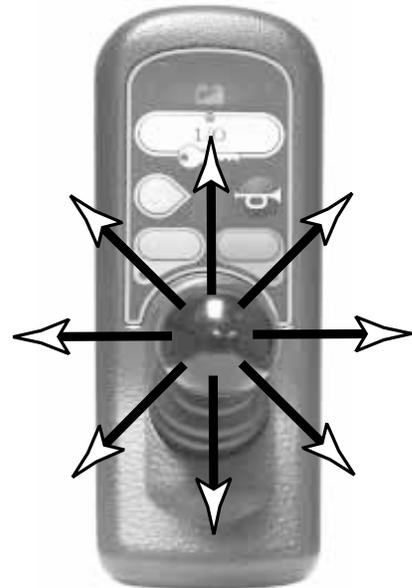


Figure 36. Joystick Movement

VIII. OPERATION

To arm the lockout system:

1. Hold the magnetic key on or near the key symbol. The controller beeps and automatically powers down. No LEDs should be on.
2. Press the on/off key to power up the chair. The key LED flashes, but you will not be able to drive the power chair because the controller is still locked.
3. Hold the magnetic key on or near the key symbol again to unlock the system. When the key LED stops flashing, you may drive your Jazzy.

If you turn on the controller while it is locked and don't unlock it after one minute, the controller automatically turns itself off.

ON/OFF KEY

This key switches the system power on and off.

HORN KEY

This key activates the horn.

SYSTEM STATUS INDICATOR

This LED indicates system status. It is normally on when the system is powered up and off when the system is powered down. It also flashes trouble codes when the system detects a fault. See "Trouble Codes."

DRIVE MODE SELECT KEY

This key enables you to select a drive program. This mode also consists of a seven segment LED that displays the drive program. It also displays whether or not the inhibit is enabled and flashes if there is an OONAPU or DX/Remote fault. See "Out Of Neutral At Power Up."

DRIVE MODE INDICATOR

Your Jazzy controller was pre-programmed at the factory for five drive modes: 1 (slowest) to 5 (fastest). The program mode is indicated by a number in the center of the keypad. Press the Drive Mode Select Key to change the mode.

NOTE: We recommend that the first few times you operate your Jazzy 1400 you have your drive mode on the slowest setting until you become familiar with your new power wheelchair.

VIII. OPERATION

BATTERY SAVER FEATURE

When the battery capacity drops to below 21V (typically two LEDs), the controller reduces wheelchair performance to conserve battery power.

OUT OF NEUTRAL AT POWER UP

Your Jazzy 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 Indicator flashes rapidly for either as long as the joystick is out of the neutral position or for five seconds. If this happens and all the segments on the System Status Indicator flash, you may have set trouble code 1.

To use the joystick to control the actuators:

1. Press the Drive Mode Select key until you get to “A.”
2. Move the joystick to either the left or right turning position to scroll through the options which are A, b, C, d, or E.
3. Select an option.
4. Move the joystick beyond half its travel in either the forward or reverse direction to move the actuator.

SLEEP MODE

The Jazzy controller features a sleep mode, which is a built-in circuit that automatically shuts off the main power if the joystick is not moved in any direction for a specific amount of time. This time factor is programmed into your joystick console. The battery condition lights on the joystick indicate sleep mode by blinking once every five seconds. To restore power and continue, push the on/off key twice.

THERMAL ROLLBACK

The Europa controller is equipped with a thermal rollback circuit. This circuit monitors the temperature of the motors and controller. In the event the motors or controller becomes excessively hot (above 122° F), the controller reduces the motor voltage. For every degree above 122° F, the controller reduces the voltage by 5 volts. This reduces your speed and allows the components to cool down. When the temperature returns to a safe level, your Jazzy resumes its normal speed.

TROUBLE CODES

Your controller is programmed to detect faults within its own system. If something happens to the controller system that prevents your Jazzy from operating, you should see a trouble code. This is indicated by the System Status Indicator flashing a number of times, then pausing for two seconds, then flashing again. Faults that affect the safety of your Jazzy cause the chair to stop, while others allow the Jazzy to operate. Some trouble codes stop if the condition corrects itself. Others can only be cleared by powering down the chair, then powering it up again.

VIII. OPERATION

Before you perform any of the electrical connection corrective actions listed in the following table, make sure that you have fully charged batteries and you power down the system. In each case, if the corrective action does not work, contact your service center.

Code	Title	Corrective Action
1	DX Module Fault	Turn the controller off, then on again. If this does not work, check the connections at the joystick, the power module, and any other accessory module that your Jazzy may have. If this still does not work, contact your local Jazzy provider.
2	DX Accessory Fault	Power down the Jazzy and check all the connections to your accessories. You may have a shorted circuit in one of these connections (e.g., a light bulb is shorted or open).
3	Left Motor Fault	Check the connection between the power module and the left motor. There may be a short or bad connection. The motor itself may be bad.
4	Right Motor Fault	Check the connection between the power module and the right motor. There may be a short or bad connection. The motor itself may be bad.
5	Left Park Brake Fault	Check the connection between the power module and the left motor. There may be a short or bad connection.
6	Right Park Brake Fault	Check the connection between the power module and the right motor. There may be a short or bad connection.
7	Low Battery Fault	Check the battery connections and terminals. Check that the circuit breaker is not tripped. Reset it if necessary.
8	Overvoltage Fault	Contact your service center.
9	CANL Fault	Contact your service center.
10	CANH Fault	Contact your service center.
11	Stall Timeout Fault	Turn the system off, then turn it on again.
12	Module Mismatch	Contact your service center.

IX. BATTERIES AND CHARGING

BATTERIES

Your Jazzy 1400 uses two long-lasting, 12-volt batteries. These batteries 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 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 they are unsafe for use in power wheelchairs.



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

CHARGING THE BATTERIES

The battery charger is one of the most important parts of your Jazzy 1400. See figure 37. The battery charger is designed to optimize your Jazzy 1400's performance by charging the batteries safely, quickly, and easily. The charging system consists of the charger and the ammeter. The onboard charger is located underneath the utility tray. The ammeter is located on the utility tray for easy viewing. See figure 38. The charger has an in-line fuse that protects the system. The ammeter indicates the rate of charge necessary to fully recharge the batteries. It is also a good indicator of whether or not the charger is working. The ammeter and the charger are only functional when the charger power lead is plugged into a wall outlet. The Jazzy will not operate when the charger is plugged into the wall outlet.



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

NOTE: You must recharge your Jazzy 1400's batteries with the onboard or off-board charging system supplied by Pride. Do not use an automotive-type battery charger.

To charge the batteries using the onboard charger:

1. Position the rear of your Jazzy 1400 close to a standard wall outlet.
2. Be certain that the controller power is turned off and that the freewheel levers are in the engaged position. See IV. "The Jazzy 1400" in this manual.
3. Lift the rear utility tray cover.
4. Extend the charger power lead and plug it into the wall outlet. The Jazzy 1400 incorporates an inhibit function that disables the power wheelchair when the charger is plugged into a wall outlet.
5. Wait about a minute for the charger to warm up. The ammeter may move up to as high as 5 amps, then gradually move back down to 0 amps as the batteries charge.



Figure 37. Battery Charger



Figure 38. Utility Tray (Uncovered)

IX. BATTERIES AND CHARGING

6. We recommend you charge the batteries for 8 to 14 hours. As the batteries charge, the ammeter needle slowly drops to zero. When the batteries are fully charged, the needle vibrates on or near the zero mark on the ammeter scale.
7. When your Jazzy 1400's batteries are fully charged, you can unplug the power lead from the wall outlet, wind the lead by using the hook and loop strap, and place the lead back into the rear tray.
8. Secure the rear utility tray cover.

OFF-BOARD CHARGER

If your Jazzy is equipped with an off-board charger, follow these instructions.

1. Position your Jazzy next to a standard wall outlet.
2. Be certain that the controller power is turned off and that the freewheel levers are in the engaged position. See IV. "The Jazzy 1400" in this manual.
3. Remove the run plug located on the utility tray. This activates the inhibit function.
4. Plug the 3-pin connector on the charger into the utility tray 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 five amps, then gradually move back down to zero amps.
7. We recommend you charge the batteries for 8 to 14 hours. As the batteries charge, the ammeter needle slowly drops to zero. When the batteries are fully charged, the needle vibrates on or near zero on the ammeter scale.
8. When your Jazzy 1400's batteries are fully charged, disconnect the charger lead from the wall outlet.
9. Disconnect the charger from the rear utility tray.
10. Reconnect the run plug into its connector.

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

11. Replace the rear cover.

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 1400 about the house and grounds. Move slowly at first and don't 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 Jazzy 1400 again. The batteries should now perform at over 90% of their potential. After four or five charging cycles, the batteries top off at 100% charge and last for an extended period.

IX. BATTERIES AND CHARGING

FREQUENTLY ASKED QUESTIONS (FAQs) ABOUT BATTERIES AND CHARGING

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 1400 batteries use direct current to run your power wheelchair. When the battery voltage is low, the charger works harder to charge the battery. This is why the charging ammeter initially reads 5 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 charging 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 must use the charger supplied by Pride with the Jazzy 1400. It is the safest, most efficient tool to charge the batteries. We do not recommend using other types of chargers, such as an automotive battery charger. Your Jazzy 1400's charger will not operate after the batteries have been discharged to nearly zero voltage. If this happens, call your authorised Pride provider for assistance.

How often must I charge the batteries?

Many factors come into play when deciding how often to charge the batteries. You may use your Jazzy 1400 all day on a daily basis or you may not use it for weeks at a time.

■ **Daily Use**

If you use your Jazzy 1400 on a daily basis, charge the batteries as soon as you are finished. Your Jazzy 1400 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 1400 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, pavement cracks, uneven and loosely packed surfaces, curves, and wind. All of these factors 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.
- Maintain **30–35 psi** in pneumatic drive wheels.
- 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.

IX. BATTERIES AND CHARGING

What type of battery should I use?

We recommend deep-cycle batteries that are sealed and maintenance free. Both Sealed Lead-Acid (SLA) and Gel Cell are deep-cycle batteries that are similar in performance.

Use the following specification chart to reorder deep-cycle batteries.

Battery Specifications	
Type:	Deep-cycle, Sealed Lead-Acid or Gel Cell
Size:	Group 24
Voltage:	12 volts each
Amperage:	70 - 80 ampere-hours

Why do my new batteries seem weak?

Deep-cycle batteries employ a much different chemical technology than that used in car batteries, nickel-cadmium batteries (Niacads), 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 the “memory” that nickel-cadmium batteries have.

We work closely with our battery manufacturer to provide a battery that best suits your Jazzy 1400’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 stabilize and adjust to its new ambient temperature. More importantly, it takes a few “charging cycles” (a partial drain, then a full recharge) to establish the critical chemical balance that is essential to the battery’s peak performance and long life. It is well worth it 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 provides 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.

IX. BATTERIES AND CHARGING

How should I store my Jazzy 1400 and its batteries?

If you do not use your Jazzy 1400 regularly, we recommend maintaining battery vitality by charging the batteries at least once per week.

If you do not plan on using your Jazzy 1400 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 or 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 Jazzy 1400 for an extended period of time, you may wish to block your Jazzy up off the ground by placing several boards (or equivalent material) under the frame. This keeps the tyres off the ground and prevents the possibility of flat spots developing in the tyres where they rest on the floor or ground.

What about public transportation?

If you intend to use public transportation while using your Jazzy, you must contact in advance the transportation provider to determine its specific requirements. See II. “Safety” for more details.

Sealed Lead-Acid and Gel Cell batteries are designed for application in wheelchairs and in other mobility vehicles. Generally, Sealed Lead-Acid 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 for transportation and packaging.

What about shipping my Jazzy?

If you wish to use a freight company to ship your Jazzy 1400, repack your Jazzy 1400 in its original shipping container and ship the batteries in separate boxes.

X . CARE AND MAINTENANCE

ROUTINE MAINTENANCE

Your Jazzy is a sophisticated power wheelchair. Like any motorized 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 Pride provider.

Your Jazzy 1400, 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 wheelchair to malfunction electronically and mechanically. Water can cause the electrical components to corrode and the chair's frame to rust.

Should your Jazzy 1400 come in contact with water:

1. Use a nonabrasive cloth or towel to dry your Jazzy 1400 as thoroughly as possible.
2. Allow your Jazzy 1400 to sit in a warm, dry place for 12 hours to allow unseen water to evaporate.
3. Check the joystick operation and the brake operation before using your Jazzy again.
4. If any inconsistencies are found, take your Jazzy 1400 to an authorised Pride provider.

TEMPERATURE

Some parts of your Jazzy 1400 are susceptible to extreme changes in temperature. Always keep your Jazzy 1400 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., Sealed Lead-Acid or Gel Cell).
- Temperatures above 50° C (122° F) may cause your Jazzy 1400 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 VIII. "Operation" in this manual.

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 controller connectors on the utility tray to ensure that they are all tight and secured properly. Also check the charger harness connector.
- When the battery indicator gauge is completely lit, the batteries are fully charged and the controller and the electrical system are OK.
- If one red bar on the battery indicator gauge is blinking slowly, the batteries are low and need to be charged, but the controller and the electrical system are OK.
- If the battery indicator gauge is blinking rapidly, the controller has detected a fault in either its own circuits or in your Jazzy's circuits. See VIII. "Operation" in this manual.
- Make sure the drive tyres are inflated to 30–35 psi. See figure 39.
- Use a rubber conditioner on the sidewalls to help preserve them.

X . CARE AND MAINTENANCE



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.

- Check the tyres for wear.
- 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.
- All wheel bearings are pre-lubricated and sealed. They require no subsequent lubrication.

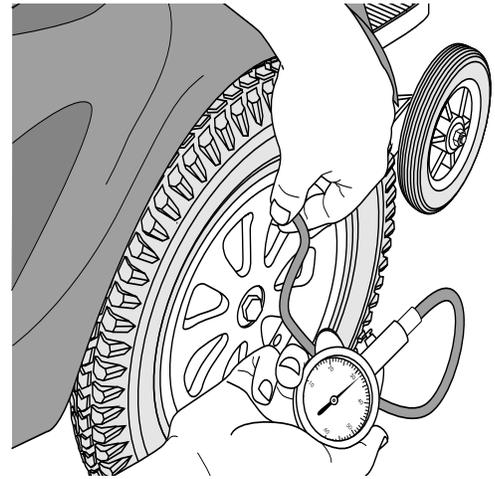


Figure 39. Check Air Pressure

DAILY CHECKS

- With the controller turned off, check the joystick. Make sure it is not bent or damaged and that it returns to the center 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 service center 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 of these harnesses.

WEEKLY CHECKS

- Disconnect and inspect the controller and the charger harnesses from the utility tray. Look for corrosion. Contact your 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 30–35 psi in each tyre. If a tyre will 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. You can do this for both the Remote Plus and Pilot controllers.
- Check the brakes. This test should be carried out on a level surface with at least three feet of clearance around your Jazzy.

To check the brakes:

1. Turn on the controller and lower your speed.
2. After one second, check the battery gauge. 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.

Perform the brake check three more times, pushing the joystick rearwards on the second check, then to the left on the third check, and finally, to the right on the last check.

X . CARE AND MAINTENANCE

MONTHLY CHECKS

- 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 or replacement.
- Check the rear casters for wear. Replace them as necessary.
- Check the rear forks for damage or fluttering, which indicates that the forks may need to be adjusted or that the bearings may need to be 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 functions properly and helps prevent future complications.

STORAGE

Your wheelchair should be stored in a dry place that is protected from extreme temperatures. When storing, disconnect the batteries from the rest of your Jazzy. See IX. “Batteries and Charging” in this manual. If you fail to store the unit under these conditions, the frame can rust and the electronics can be damaged.

CLEANING INSTRUCTIONS

- Never hose off your Jazzy 1400 or place it in direct contact with water.
- Your Jazzy 1400 has a clear-coated ABS plastic body shroud that can be easily wiped clean with a damp cloth. 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.

TIRES AND TUBES

If your Jazzy 1400 is equipped with pneumatic tyres, you should check the air pressure at least once per week. This prolongs the life of your tyres and helps ensure the perfect operation of your chair. If you have a flat tyre, replace the tube. Replacement tyres and tubes are readily available at the Pride provider where you purchased your Jazzy.



WARNING: Make sure the tyre is completely deflated before attempting any repair.

Follow these easy steps for a quick and safe repair:

1. Completely deflate the tyre if it is pneumatic.
2. Use a 7/16-in. spanner to remove the drive wheel bolt from the center hub of the wheel. See figure 40.
3. Pull the wheel off of the axle.

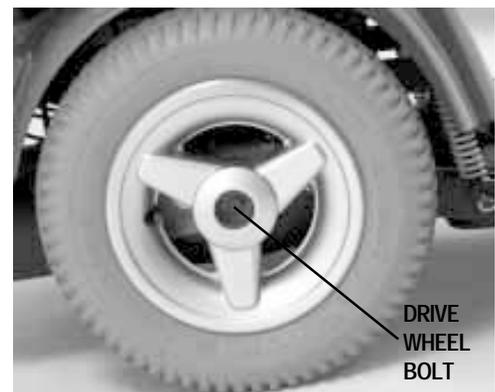


Figure 40. Drive Wheel

X . CARE AND MAINTENANCE

4. Separate the two halves of the wheel by removing the 6 retaining bolts with a 3/16-in. hex key.
5. Remove the old tube and/or tyre and replace it with a new tube and/or tyre.
6. Install the tyre (with the tube inside) onto the wheel.
7. Slide the wheel back onto the shaft.
8. Install and tighten the drive wheel bolt into the center hub.
9. Inflate the tyre to 30–35 psi.

BATTERY REPLACEMENT

A diagram is printed on a decal located on the Jazzy 1400 frame near the battery tray.

To replace the batteries:

1. Turn the power off.
2. Unplug the controller wire harness.
3. Remove the seat.
4. Remove the body shroud.
5. Loosen the wing nuts on the positive (red) battery terminals first.
6. Remove the wires.
7. Loosen the wing nuts on the negative (black) battery terminals.
8. Remove the wires.
9. Replace the batteries.
10. Install the batteries into your Jazzy 1400 with the terminal sides of the batteries facing inward, toward each other.
11. Connect the wire marked (+) to the closest positive (red) battery terminal.
12. Connect the wire marked (-) to the closest negative (black) battery terminal on the other battery.
13. Connect one circuit breaker harness to the empty positive (red) terminal of one battery, and connect the other circuit breaker harness to the empty negative (black) terminal of the other battery.

MOTOR BRUSHES

NOTE: Failure to maintain the motor brushes could void your Jazzy 1400's warranty.

The electric motors that power your Jazzy 1400 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 transfer power to the motor. They are designed to provide several thousand hours of operation. However, if the brushes become dirty with carbon deposits or if the brushes wear out, the motor will run poorly or not at all. We recommend that your authorised Pride provider inspect the brushes every six months, or sooner if your Jazzy 1400 runs poorly. If inspection determines excessive wear on the brushes, they must be replaced or motor damage will result.

X . CARE AND MAINTENANCE

To inspect or replace the motor brushes:

1. Remove the seat and body shroud. See VII. “Disassembly” in this manual.
2. Unscrew the motor brush caps. See figure 41.
3. Remove the brushes.
4. Inspect the brushes for wear.
5. Replace the brushes, if necessary. Contact your authorised Pride provider for replacement brushes.

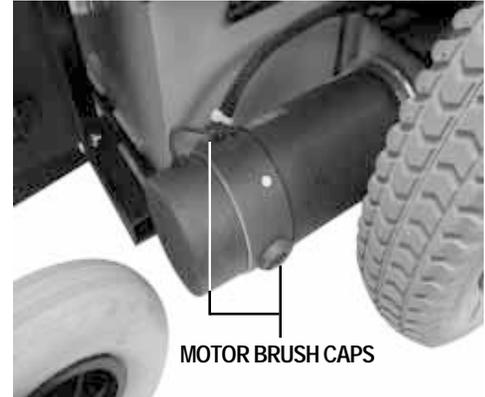


Figure 41. Motor

CORRECTIVE MAINTENANCE

If the battery indicator gauge does not light up:

- 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 1400 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 Jazzy 1400. If necessary, contact an authorised Pride provider. When calling, have the model number, the serial number, the nature of the problem, and the trouble code if it is 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

XI. OPTIONAL ACCESSORIES

The following accessories are available from your authorised Pride provider.

POSITIONING BELT

NOTE: The positioning belt is not designed for use as a seat belt in a motor vehicle. Nor is your Jazzy 1400 suitable for use as a seat in any vehicle. Anyone traveling in a vehicle should be properly belted into seats approved by the auto manufacturer.

The positioning belt is designed to support the operator's torso so that he or she does not slide down or slide 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. See figure 42.



Figure 42. Positioning Belt

OXYGEN TANK HOLDER

The removable oxygen tank holder is mounted to the back of the seat by means of the accessory bracket. See figure 43.

CANE AND CRUTCH HOLDER

The removable cane and crutch holder is mounted to the back of the seat by means of the accessory bracket. See figure 44.

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. See figure 45.

REAR BASKET

The rear basket is mounted to the accessory bracket. It has a handle that you can use when you remove the basket from your Jazzy 1400. See figure 46.

CUP HOLDER (NOT SHOWN)

The cup holder is mounted to the armrest.

XI. OPTIONAL ACCESSORIES



Figure 43. Oxygen Tank Holder



Figure 44. Cane and Crutch Holder



Figure 45. Walker Holder



Figure 46. Rear Basket

XI. OPTIONAL ACCESSORIES

STANDARD LIGHTING PACKAGE

The standard lighting package consists of headlights and taillights. See figures 47 and 48. The light switch is located on the body shroud. See figure 49.

HEADLIGHTS



Figure 47. Standard Lighting Package (Front)

TAILLIGHT



Figure 48. Standard Lighting Package (Rear)

LIGHT SWITCH



Figure 49. Standard Lighting Package Light Switch

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

LIFETIME LIMITED WARRANTY

For the lifetime of your Jazzy 1400, from the date of purchase, Pride will repair or replace, at our option, to the original purchaser, free of charge, any of the following parts found upon examination by an authorised representative of Pride to be defective in material and/or workmanship:

- Structural frame components

TWO-YEAR WARRANTY

For two (2) years from the date of purchase of your Jazzy 1400, Pride will repair or replace, at our option, to the original purchaser, free of charge, any of the following parts found upon examination by an authorised representative of Pride to be defective in material and/or workmanship:

- Electronics

EIGHTEEN-MONTH WARRANTY

For eighteen (18) months from the date of purchase of your Jazzy 1400, Pride will repair or replace, at our option, to the original purchaser, free of charge, any of the following parts found upon examination by an authorised representative of Pride to be defective in material and/or workmanship:

- Motor/gearbox assembly

WARRANTY EXCEPTIONS

- Motor: If damage occurs to the commutator of a motor as a result of not replacing the motor brushes after heavy wear to brushes. Motor brushes are wear items and are not warranted.
- Brake: There is a one-year warranty for the electrical function of the brake. Brake pads are a wear item and are not warranted.

SIX-MONTH LIMITED WARRANTY

For six (6) months from the date of purchase, Pride will repair or replace, at our option, to the original purchaser, free of charge, any of the following parts found upon examination by an authorised representative of Pride to be defective in material and/or workmanship:

- Plastic components, except body
- Rubber components (except tyres and tubes)
- Bearings and bushings
- Casters and anti-tip wheels

Battery warranty is covered by the battery manufacturer. Battery warranty is not covered by Pride.

Warranty service can be performed by an authorised Pride provider or by Pride. Do not return faulty parts to Pride without prior consent. All transportation costs and shipping damage incurred while submitting parts for repair or replacement are the responsibility of the original purchaser.

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

WARRANTY EXCLUSIONS

- ABS plastic body shrouds and footrest covers are wear items and are not warranted
- Batteries (battery manufacturer provides a six-month limited warranty)
- Tires and tubes
- Upholstery and seating
- Repairs and/or modifications made to any part without specific consent from Pride
- Circumstances beyond the control of Pride
- Labor, service calls, shipping, and other charges incurred for repair of the product unless specifically authorised by Pride

Damage caused by:

- Battery fluid spillage or leakage
- Abuse, misuse, accident, or negligence
- Improper operation, maintenance, or storage
- Commercial use, or use other than normal

There is no other express warranty.

Implied warranties, including those of merchantability and fitness for a particular purpose, are limited to one (1) year from the date of purchase and to the extent permitted by law. Any and all implied warranties are excluded. This is the exclusive remedy. Liabilities for consequential damages under any and all warranties are excluded.

Some states do not allow limitations on how long an implied warranty lasts or do not allow the exclusion of limitation of incidental or consequential damages. The above limitation or exclusion may not apply to you.

This warranty gives you specific rights, and you may also have other rights which vary from state to state.

Please fill out and return the warranty card to Pride. This enables Pride to provide the best possible technical and customer service.

NOTES

NOTES