

JAZZY 1402



OWNER'S MANUAL

Pride[®]
Mobility Products Company
www.pridemobility.com

380 Vansickle Road, Unit 350 St. Catharines, ON L2R 6P7

SAFETY GUIDELINES

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



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



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



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



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

I. INTRODUCTION

SAFETY

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

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

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

PURCHASER'S AGREEMENT

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

INFORMATION EXCHANGE

We want to hear your questions, comments, and suggestions about this manual. We would also like to hear about the safety and reliability of your new power chair, and about the service you received from your authorized 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 Company
380 Vansickle Road, Unit 350
St. Catharines, Ontario L2R 6P7

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.

I. INTRODUCTION

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 product 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, select "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. These message boards invite you to communicate with other Pride customers as well as Pride representatives who are available to assist you with any questions or concerns you may have.

My Authorized Pride Provider:

Name: _____

Address: _____

Phone Number: _____

Purchase Date: _____

II. SAFETY

PRODUCT SAFETY SYMBOLS

The symbols below are used on the power chair to identify warnings, mandatory actions, and prohibited actions. It is very important for you to read and understand them completely.



Pinch/Crush points created during assembly.



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



EMI-RFI! This product has been tested and passed at an immunity level of 20 V/m.



Read and follow the information in the owner's manual.



Maximum seating weight. See specifications table.

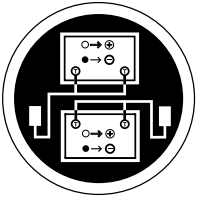


Locked and in drive mode.

Place unit on level ground and stand in front or to one side when changing from drive mode to freewheel mode or freewheel mode to drive mode.

Unlocked and in freewheel mode.

II. SAFETY



Battery Configuration:

T = Terminal Post

Connect Red wire to T with +

Connect Black wire to T with -



Do not remove anti-tip wheels.



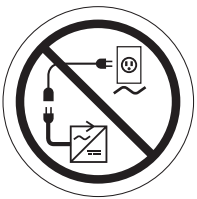
Do not use a cell phone, walkie/talkie, laptop, or other radio transmitter while operating.



Avoid exposure to rain, snow, ice, salt, or standing water whenever possible. Maintain and store in a clean and dry condition.



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



Prevent personal injury and equipment damage. Do not connect an extension cord to the AC/DC converter or the battery charger.

II. SAFETY

SAFETY



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

Your power chair is a state-of-the-art life-enhancement device designed to increase mobility. Pride provides an extensive variety of products to best fit the individual needs of the power chair user. Please be aware that the final selection and purchasing decision regarding the type of power chair to be used is the responsibility of the power chair user, who is capable of making such a decision, and his/her healthcare professional (i.e., medical doctor, physical therapist, etc.).

The contents of this manual are based on the expectation that a mobility device expert has properly fitted the power chair to the user and has assisted the prescribing healthcare professional and/or the authorized 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 authorized Pride Provider to further customize your power chair to better suit your needs and/or preferences. However, under no circumstances should you modify, add, remove, or disable any feature, part, or function of your power chair.



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

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 tire inflation. Maintain but do not exceed **35 psi (2.4 bar)** in each tire (if equipped with pneumatic tires).
- 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 VIII. "Care and Maintenance."
- Check battery charge. See VI. "Batteries and Charging."

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

II. SAFETY

Weight Limitations

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



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

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

Tire Inflation

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



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

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

Incline Information

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

- Proceed with extreme caution as you approach the downgrade of a ramp or other incline.
- Take wide swings with your power chair's front wheels around any tight corners. If you do that, the power chair's rear wheels will follow a wide arc, not cut the corner short, and not bump into or get hung up on any railing corners.
- When driving down a ramp, keep the power chair's speed adjustment set to the slowest speed setting to ensure a safely controlled descent. See VII. "Operation."
- Avoid sudden stops and starts.

When climbing an incline, try to keep your power chair moving. If you must stop, start up again slowly and then accelerate cautiously. When driving down an incline, set your power chair to the slowest setting and drive in the forward direction only. If your power chair starts to move down the incline faster than you anticipated or desired, allow it to come to a complete stop by releasing the joystick, then push the joystick forward slightly to ensure a safely controlled descent.

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



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

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 backwards. This may result in personal injury.

II. SAFETY



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.

In compliance with the Americans with Disabilities Act of 1990, all handicap public access ramps are required to have a maximum slope of 5° (8.7%). Therefore, Pride recommends that the maximum slope of an incline you attempt to safely ascend or descend on your power chair does not exceed 5° (8.7%). See figure 1.



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

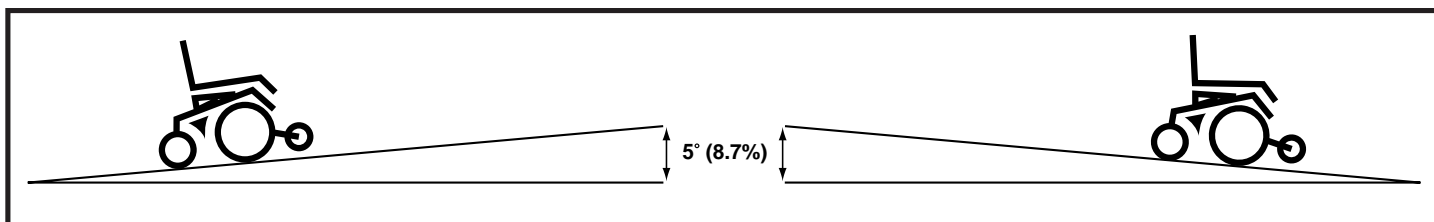


Figure 1. Maximum Safe Slope (Ascending and Descending)

Braking Information

Your power chair is equipped with two powerful brake systems:

1. Regenerative — uses electricity to rapidly slow the vehicle when the joystick returns to the 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 caster wheels and anti-tip wheels, excessively high cornering speeds can still create the possibility of tipping. Factors which affect the possibility of tipping include, but are not limited to: cornering speed, steering angle (how sharply you are turning), uneven road surfaces, inclined road surfaces, riding from an area of low traction to an area of high traction (such as passing from a grassy area to a paved area — especially at high speed while turning), and abrupt directional changes. High cornering speeds are not recommended. If you feel that you may tip over in a corner, reduce your speed and steering angle (i.e., lessen the sharpness of the turn) to prevent your power chair from tipping.



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

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 recognizes that there will be times when you will encounter other surface types. For this reason, your power chair is designed to perform admirably on packed soil, grass, and gravel. Feel free to use your power chair safely on lawns and in park areas.

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

II. SAFETY

Freewheel Mode

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

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



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

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

Stationary Obstacles (Steps, Curbs, etc.)

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

WARNING! Do not attempt to have your power chair climb or descend an obstacle that is higher than 10 cm (4 in.) unless you have the assistance of an attendant.



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

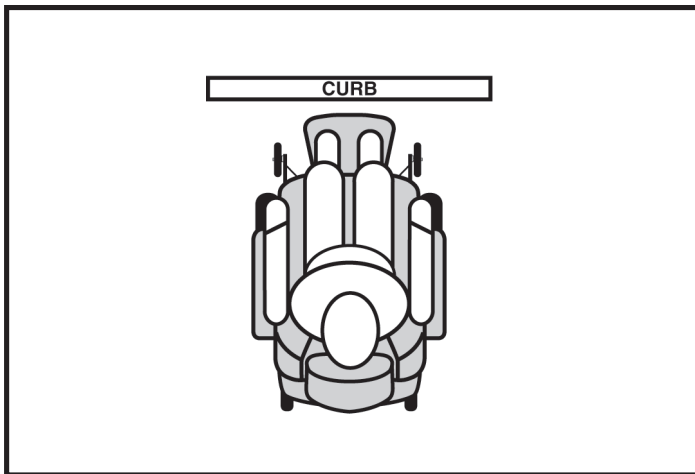


Figure 2. Correct Curb Approach

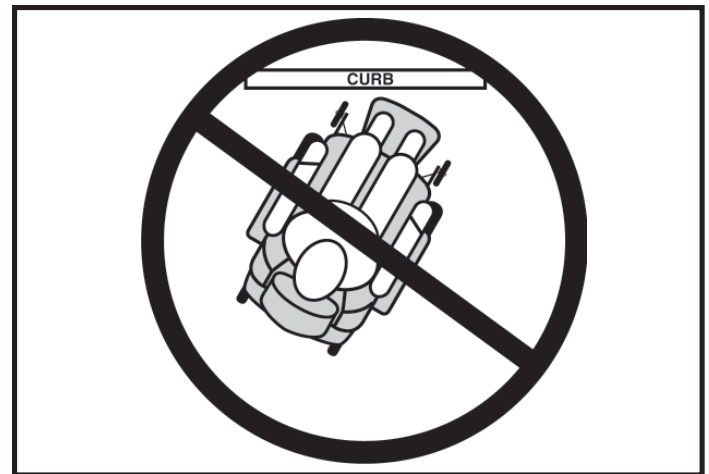


Figure 3. Incorrect Curb Approach

Public Streets and Roadways



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

Stairs and Escalators

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

II. SAFETY

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 backward 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.

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

Pride recommends that you do not remain seated in your power chair while traveling in a motor vehicle. The power chair should be stowed in the trunk of a car or in the back of a truck or van with the batteries removed and properly secured.



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

WARNING! Always be sure your power chair and its batteries are properly secured when it is being transported. Failure to do so may result in personal injury and/or damage to your power chair.

Positioning Belts

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



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

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

Inclement Weather Precautions

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



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

II. SAFETY

Transfers

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

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

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

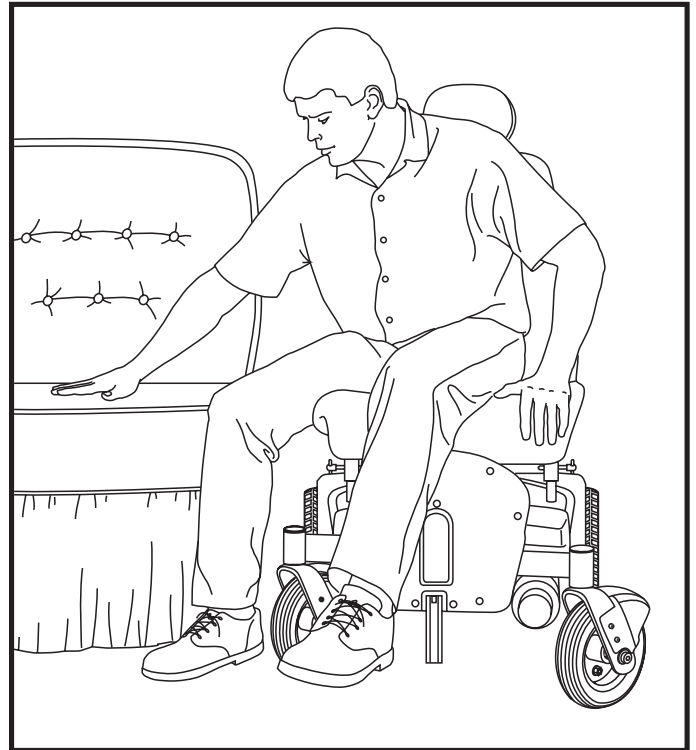


Figure 4. Ideal Transfer Position

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



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

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

Reaching and Bending

Never reach, lean, or bend while driving your power chair. If it is absolutely necessary to reach, lean, or bend while seated on your power chair, it is important to maintain a stable 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.

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

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 VI. "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.

II. SAFETY

Electromagnetic and Radio Frequency Interference (EMI/RFI)



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

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

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



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

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

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

III. YOUR POWER CHAIR

THE JAZZY 1402

Your power chair has two main assemblies: the seat and the power base. See figure 5. Typically, the seating assembly includes the armrests, seatback, and controller. The power base assembly includes two drive wheels, two anti-tip wheels, two rear caster wheels, two batteries, and wiring harnesses. See figures 5 and 6.

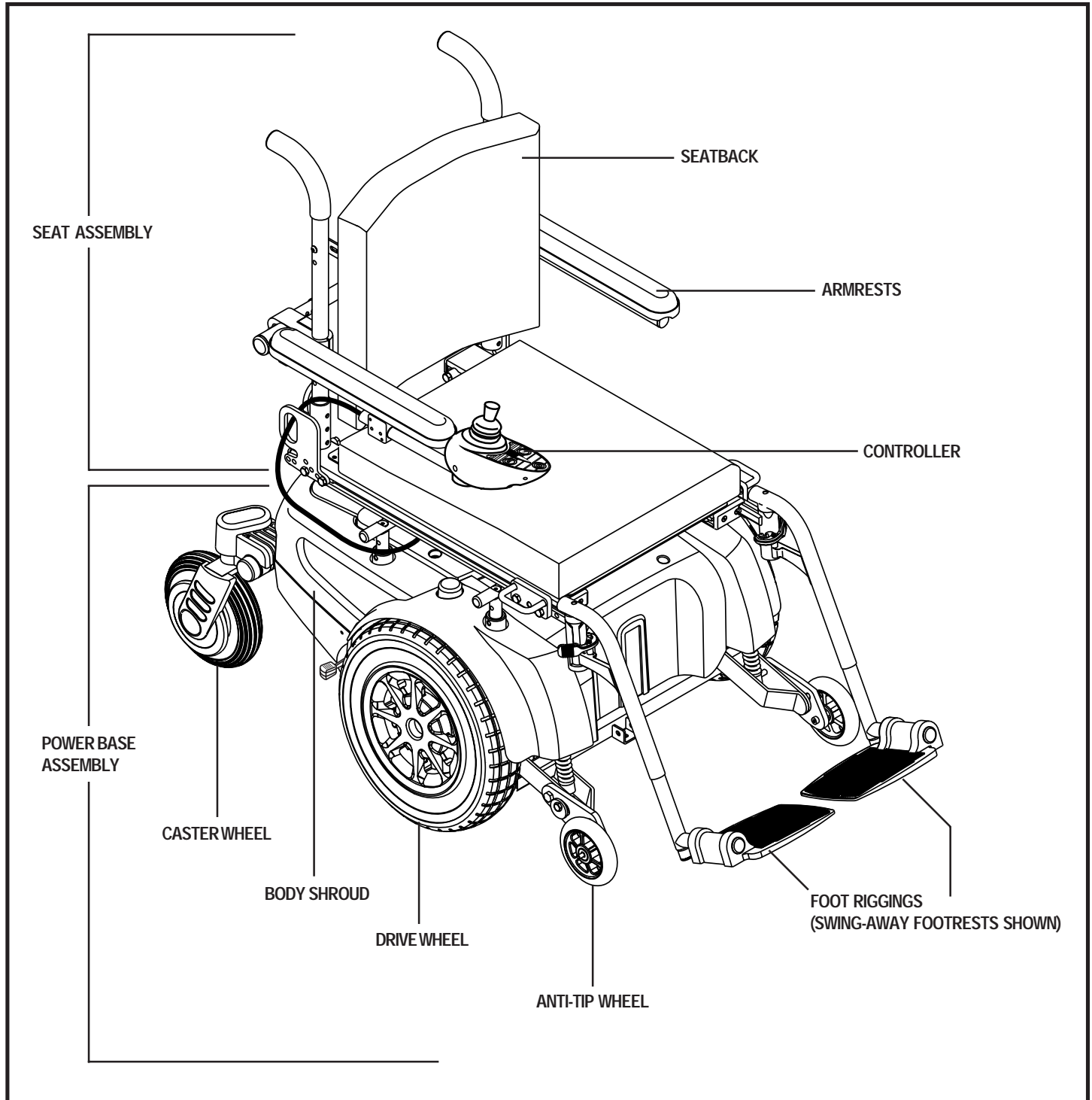


Figure 5. The Jazzy 1402

III. YOUR POWER CHAIR

JAZZY 1402 SPECIFICATIONS	
Suspension:	Active-Trac system and rear suspension
Drive Wheels:	35.5 cm (14 in.), pneumatic, center-mounted (solid tires are optional)
Caster Wheels:	20 cm (8 in.), solid, rear articulating
Anti-tip Wheels:	15.25 cm (6 in.), solid, front-mounted
Maximum Speed:	Up to 10 km/h (6.25 mph) ¹
Brakes:	"Intelligent Braking" electronic, regenerative disc brakes
Ground Clearance:	8.25 cm (3.25 in.) ²
Turning Radius:	53.3 cm (21 in.) ²
Overall Size:	Length: 103 cm (40.5 in.) ² Width: 64.5 cm (25.4 in.) ²
Seating Options:	Synergy Seating System High-back Contour Seat Medium-back Contour Seat Synergy Manual Recline TRU-Balance Power Positioning Systems Power Elevating Seat Solid Seat Pan
Drivetrain:	Two-motor, mid-wheel
Batteries:	Two 12-volt Group 24 batteries ³ Two 12-volt NF-22 batteries for the power elevating seat option ³ Two 12-volt Group 34 batteries for TRU-Balance Power Positioning ³
Range:	Up to 40 km (25 miles) ¹
Battery Charger:	8-amp, off-board (standard) 5-amp onboard/8-amp off-board combination
Electronics:	100-amp PG Remote Plus Controller (standard) 100-amp Microdrive Controller
Weight Capacity:	181.4 kg (400 lbs.)
Component Weights:	Base: 58.5 kg (129 lbs.) Synergy Seat: 18.5 kg (41 lbs.) Batteries: 24 kg (53.5 lbs.) each

¹Varies with user weight, terrain type, battery amp hour rating (AH), battery charge, battery condition, and tire condition.

²Due to manufacturing tolerances and continual product improvement, this specification can be subject to variance of (+ or -) 3 %.

³AGM or Gel-Cell type recommended

NOTE: All specifications subject to change without notice.

III. YOUR POWER CHAIR

Electrical Components

The electrical components consist of the controller, the batteries, and the motor. The batteries and the motor are located inside the power base assembly. The controller is located on the seat assembly. Connectivity between the controller and the batteries, motor, and optional onboard charger is provided by one or more wiring harness that connect to the rear electronics tray. The electronics tray is located underneath the rear sliding door. See figure 6.

Controller Connector: This is where the controller connects to the motors, batteries, and optional onboard battery charger.

Ammeter (with optional onboard battery charger): The ammeter displays the charger's current output in amps. It indicates the rate of charge necessary to fully recharge the batteries. It is also a good indication of whether or not the onboard battery charger is working.

Charger Power Cord Receptacle (with optional onboard battery charger): This receptacle is used whenever your batteries need recharging.

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

Accessory Connector (optional): This is where the controller connects to optional power equipment.

Power Seat Connector (optional): This is for the optional power seat switch.

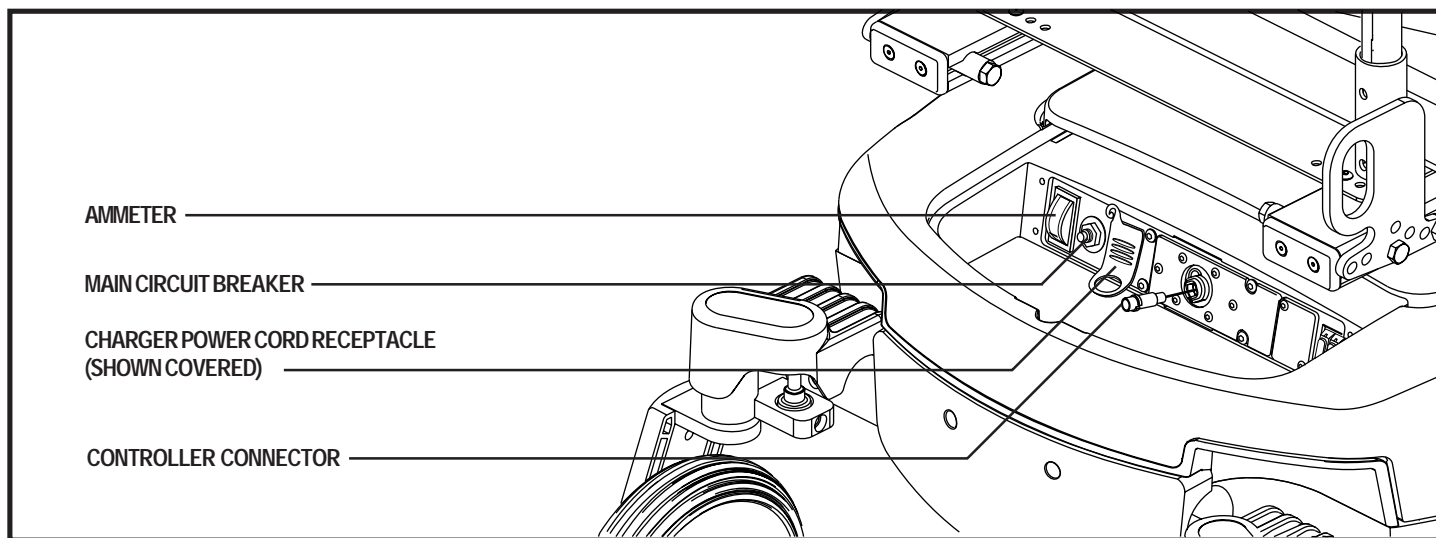


Figure 6. Electronics Tray (Shown with Optional Onboard Charging Components)

III. YOUR POWER CHAIR

Dual Manual Freewheel Levers

For your convenience, your power chair is equipped with dual manual freewheel levers. The levers are located on each motor, and allow you to disengage the drive motors and maneuver the chair manually.



WARNING! In freewheel mode, the braking system is disengaged. Only engage the freewheel mode when on a level surface. Failure to comply could result in injury and/or damage to your product.

WARNING! Prevent personal injury and/or equipment damage. Do not use the freewheel lever handles as tie-down points to secure this product.

To operate the dual manual freewheel levers:

1. Push down both manual freewheel levers for freewheel mode (drive motor disengaged). See figure 7.
2. Pull up both manual freewheel levers for drive mode (drive motor engaged). See figure 8.

NOTE: You must turn off the power before disengaging the drive motors, otherwise you may get an error code on the controller. To clear this code, turn off the controller and place the power chair in drive mode. Then turn on the controller. The error message should be cleared. If it is not, contact your authorized Pride Provider.

NOTE: The power chair will be significantly easier to push with the power off.

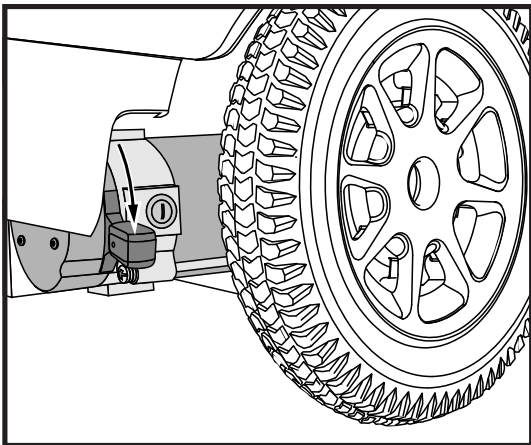


Figure 7. Freewheel Mode

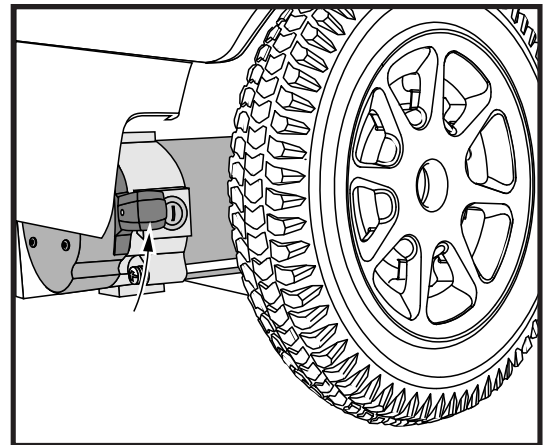


Figure 8. Drive Mode

III. YOUR POWER CHAIR

Active-Trac Suspension

Your Jazzy 1402 is equipped with Active-Trac Suspension (ATS). ATS is a suspension system designed to make your power chair 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.

As the front anti-tip wheels come in contact with an obstacle, the front anti-tip wheel assembly is drawn upward. At the same time, the motors are forced downward. This allows the motors to push the Jazzy 1402 over an obstacle and limits the possibility of your power chair getting caught on the obstacle.

ATS also helps in day-to-day operating conditions. For instance, when you release the joystick your power chair begins to slow down. As the chair slows down, the front anti-tip wheels will automatically drop toward the ground. This will reduce the forward tip that is typically encountered with center-wheel drive chairs.

Rear Suspension

Your Jazzy 1402 is equipped with Rear Suspension. See figure 9. This suspension system works in conjunction with ATS and is designed to maintain a smooth ride when driving over rough terrain and up and down curbs. This system works by allowing the caster forks to respond to weight transfers and uneven terrain. The rear caster wheels will pivot as you drive over obstacles. This system also enhances performance when the front anti-tip wheels are set lower to the surface.

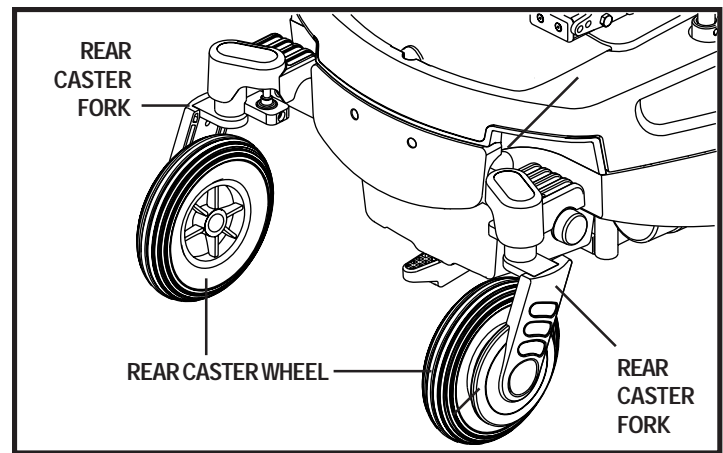


Figure 9. Rear Suspension System

IV. ASSEMBLY

INITIAL ASSEMBLY

Your power chair may require some assembly either before initial use or after transportation. It may also require disassembly to make some comfort adjustments. Figure 10 details those parts of the power chair that are designed to be disassembled and assembled by an end user or by a qualified caregiver before using the product or making comfort adjustments.

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

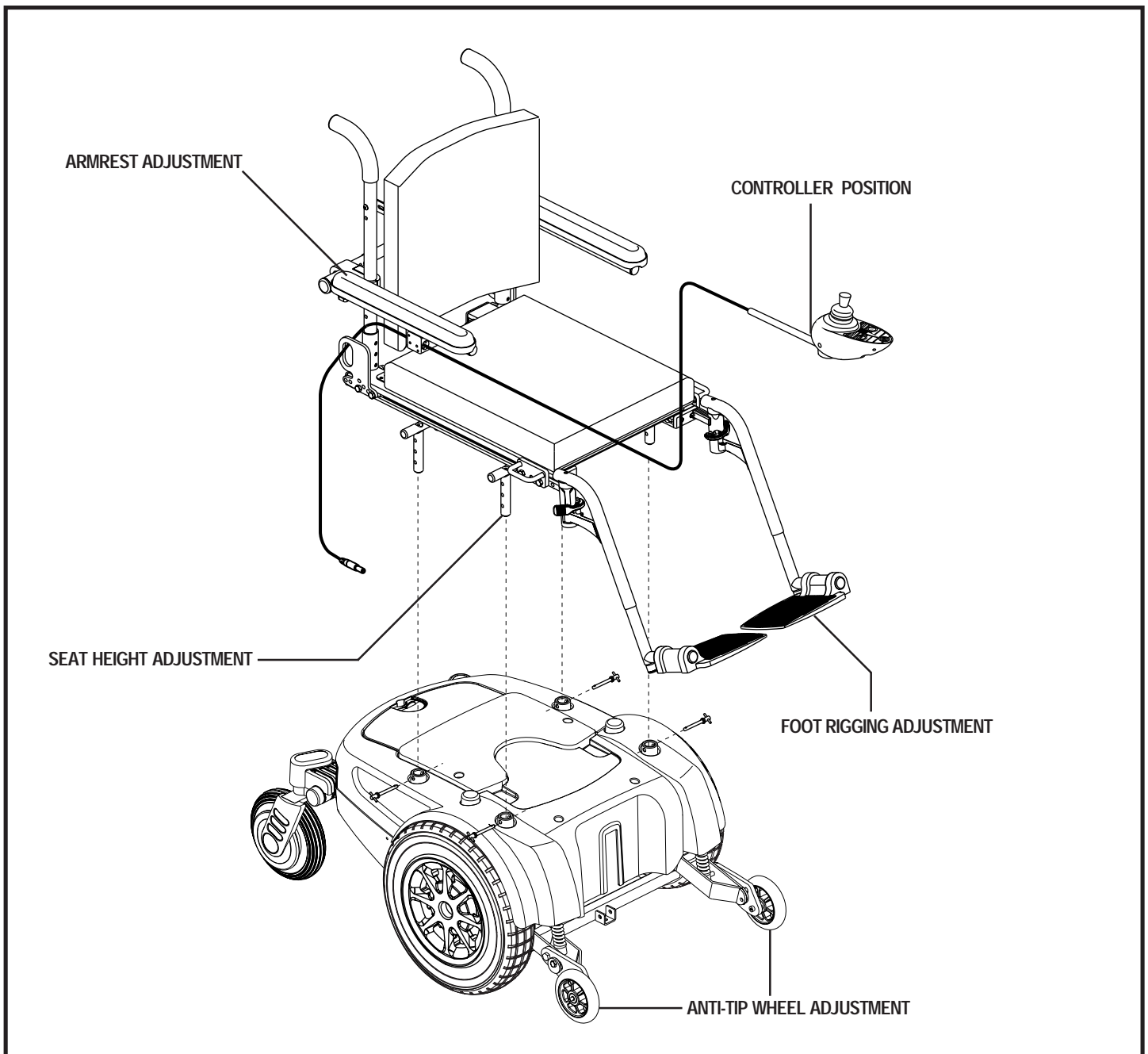


Figure 10. Jazzy 1402 Assembly View

IV. ASSEMBLY

Seat Installation

It may be necessary to install the seat either prior to initial operation or after transporting your power chair. Most seats are attached to the power base with the Universal Mounting System (UMS). The UMS consists of universal parts that may be attached to the seat, regardless of seat width or seat depth. The two main components are aluminum extrusions mounted to the seat base. These extrusions attach to a pair of trapeze bars that are mounted to the power base. See figure 11. If your power chair is equipped with a Synergy Seat or a TRU-Balance Power Positioning System, refer to the information provided in separate manuals.



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 install the seat:

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



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

5. Install the controller into the mounting block or under the armrest. See figure 12 or 13.
6. Tighten the setscrew(s).
7. Route the controller cable to the rear of the power base.



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

8. Open the rear sliding door to expose the electronics tray.
9. Plug the controller connector into the power base. See figure 6.
10. Secure the controller cable to the armrest receiver with one or more wire ties if mounted to a contour seat.

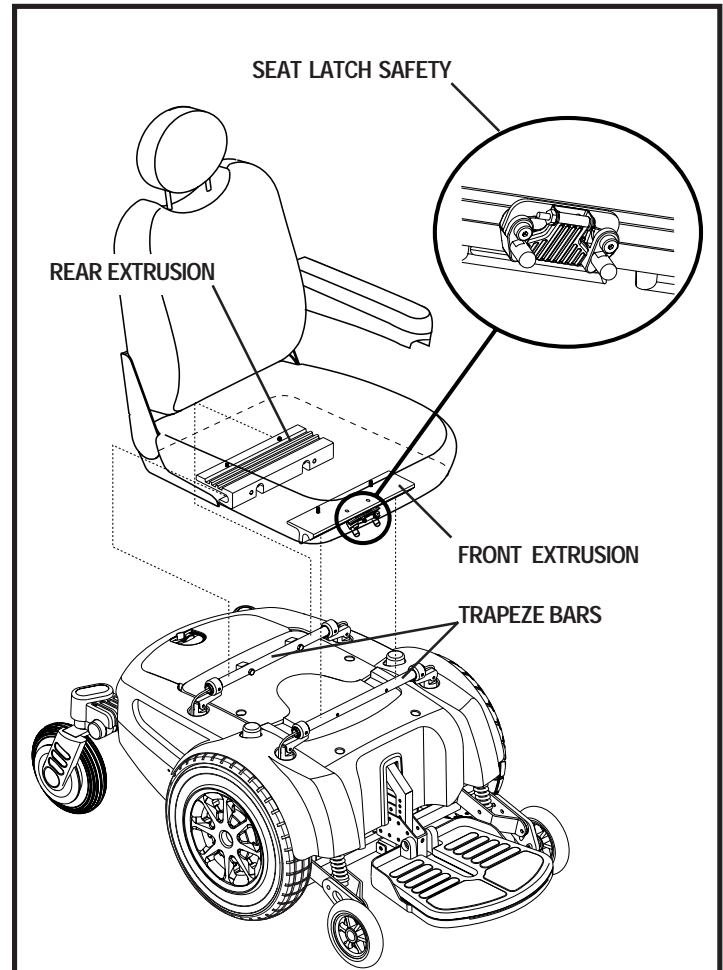


Figure 11. Universal Mounting System - Contour Seat

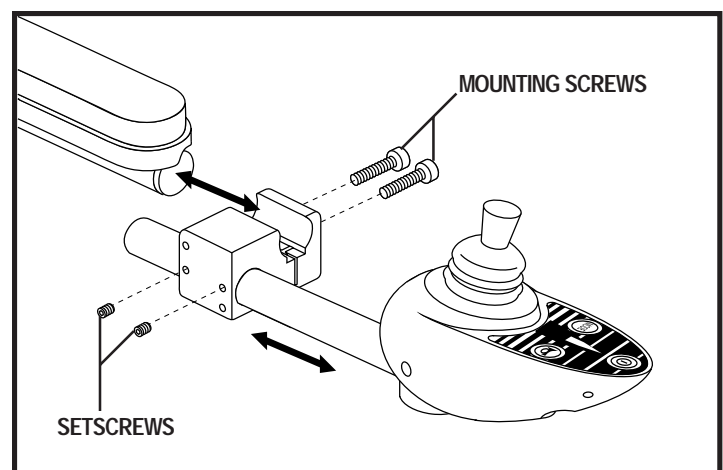


Figure 12. Controller Installation - Mounting Block

IV. ASSEMBLY

Power Seat Option Installation

Your Jazzy 1402 may be equipped with the power elevating seat option.

To install the power seat:

1. Position the seat post on the bottom of the power seat frame over the actuator.
2. Insert the seat post into the actuator and push the seat lever forward to lock the seat frame into place.
3. Tilt the seat back and slide the rear extrusion onto the rear frame bar.
4. Lower the front extrusion onto the front frame bar until the seat locks into place.
5. Flip the seat latch safety down. See figure 14.
6. Route the power seat harness to the back of the power base.
7. Plug the power seat harness into the connector on the electronics tray.

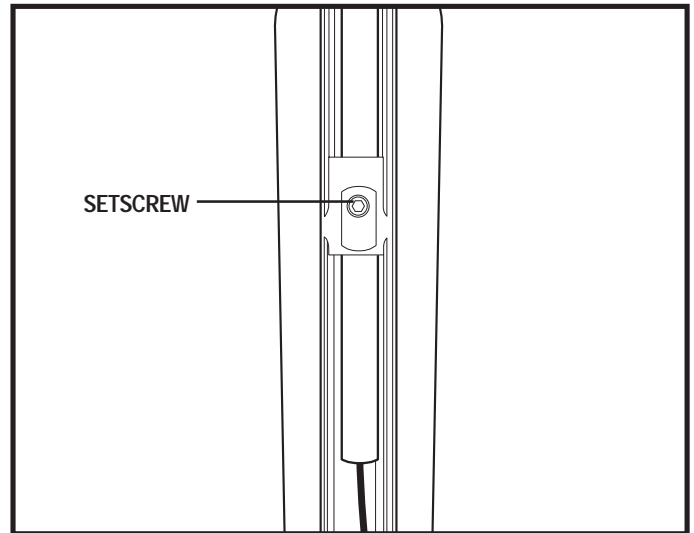


Figure 13. Controller Installation - Underside of Armrest

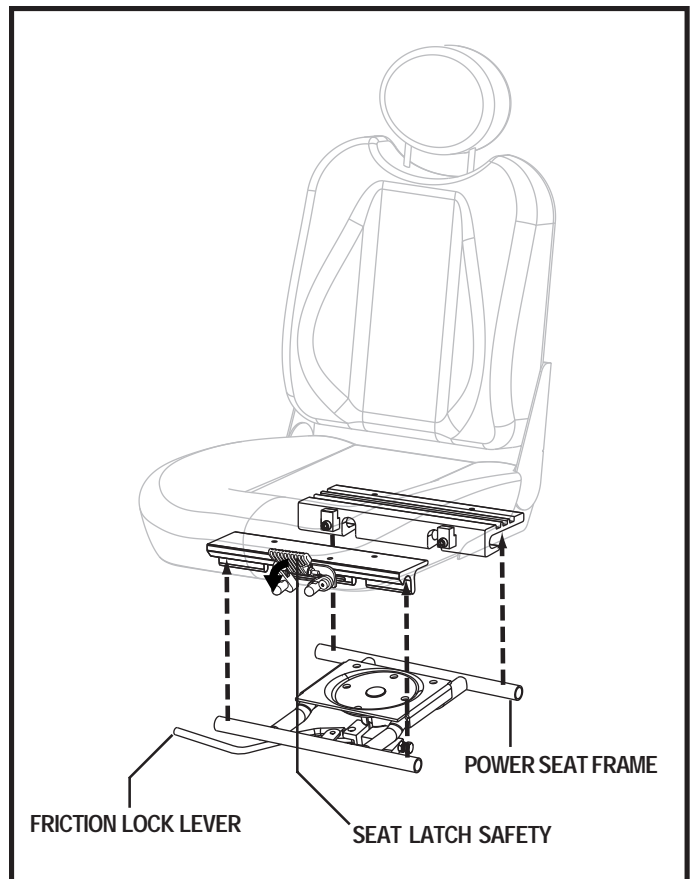


Figure 14. Power Elevating Seat Installation

V. COMFORT ADJUSTMENTS

COMFORT ADJUSTMENTS

Once you are familiar with the operation of your Jazzy 1402, there are some adjustments you can make to increase your comfort, such as seat height and angle, armrest width, angle and height, joystick position, and footrest height, depth, and angle. If your power chair is equipped with a Synergy Seat or a TRU-Balance Power Positioning System, refer to the information provided in separate manuals. If your power chair is equipped with a contour seat, refer to the following information.

WARNING! If your power chair was configured by your authorized Pride Provider, please consult your healthcare professional before making any adjustment that may degrade your power chair's performance and safety by changing its center of gravity.



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

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

You may need the following to make comfort adjustments:

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

Seat Height

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

To change the seat height:

1. Turn off the power to the controller.
2. Unplug the controller connector(s) from the electronics tray.
3. Flip up the seat latch safety. See figure 15.
4. Squeeze the seat latch and release the seat from the front trapeze bar.
5. Slide the seat forward and remove it from the power base.
6. Remove the quick-release pins from the trapeze bars (front and rear). See figure 16.
7. Remove both trapeze bars from the seat towers.
8. Lift off the shroud
9. Remove the ball detent pin from each of the four seat towers. See figure 16.
10. Move the seat towers up or down to the desired height.
11. Reinstall the ball detent pin into each seat tower.
12. Reinstall the shroud.

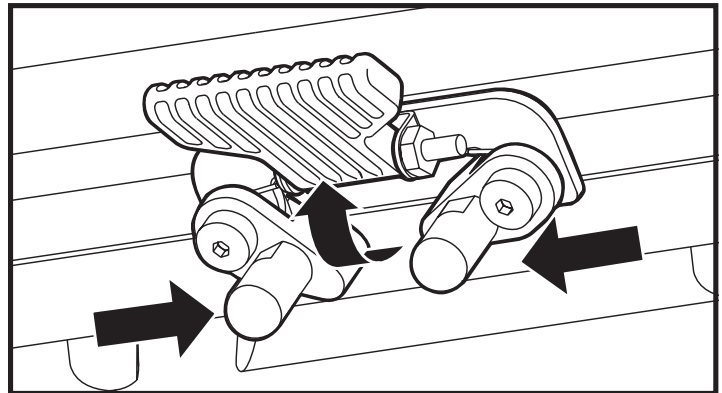


Figure 15. Seat Latch Safety (Disengaged)

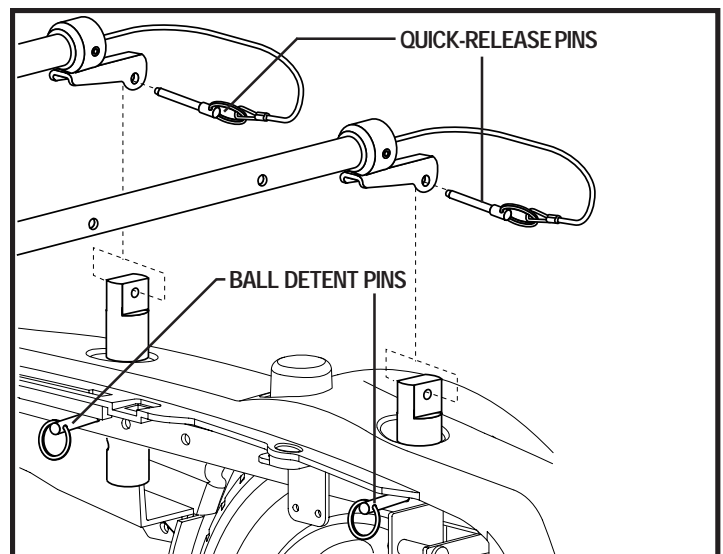


Figure 16. Seat Height Adjustment

V. COMFORT ADJUSTMENTS

13. Reinstall the trapeze bars and secure with the quick-release pins.
14. Reinstall the seat.

NOTE: Make sure the seat latch safety is flipped down before using the power chair.

15. Plug the controller connector(s) into the electronics tray.

Seat Position Adjustment

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

To change the position:

1. Turn off the power to the controller.
2. Unplug the controller connector(s) from the electronics tray.
3. Remove the seat from the power base.
4. Remove both extrusions from the bottom of the seat.
5. Reposition the extrusions on a different set of mounting holes. You must move both extrusions the same number of holes either forward or backwards. See figure 17.
6. Fasten the extrusions back onto the bottom of the seat.
7. Reinstall the seat.
8. Plug the controller connector(s) into the electronics tray.

Seatback Angle Adjustment

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

To adjust the seatback angle:

1. Remove the seatback angle adjusting screw from each seat hinge. See figure 18.
2. Set the seatback at the desired angle.
3. Reinstall the screws on both seat hinges and tighten.

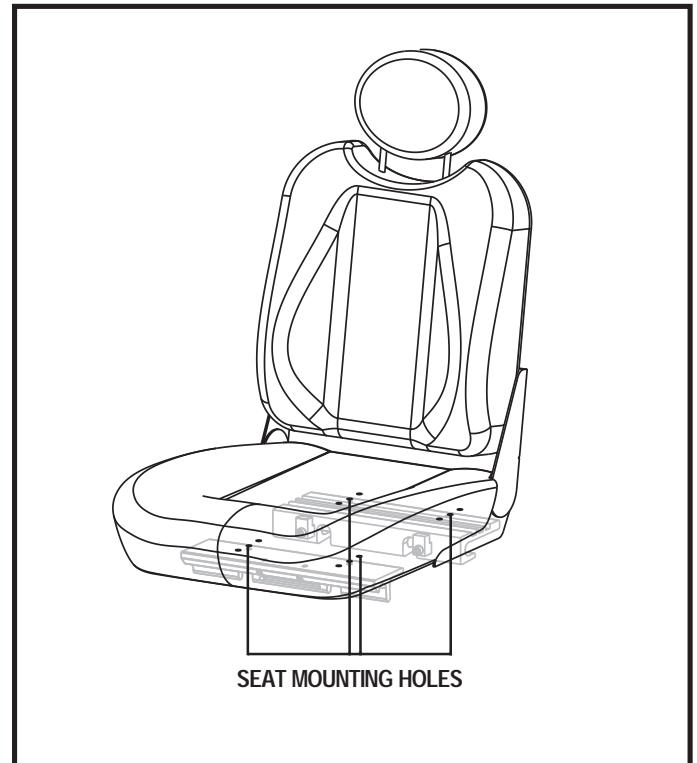


Figure 17. Seat Position Adjustment

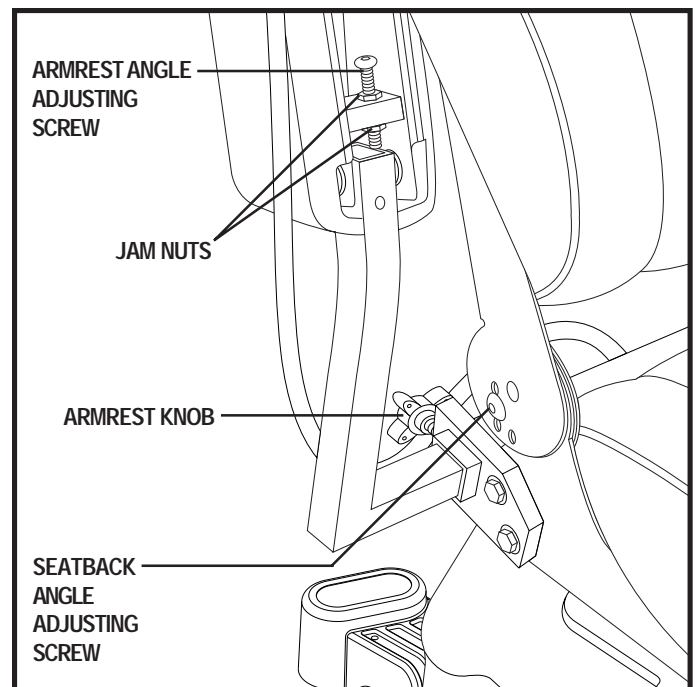


Figure 18. Armrest and Seatback Adjustments

V. COMFORT ADJUSTMENTS

Armrest Width Adjustment

To change the armrest width:

1. Locate the two adjustment knobs on the armrest receiver bracket. See figure 18.
2. Loosen the knobs.
3. Slide the armrests in or out to the desired width.
4. 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. Loosen the jam nuts. See figure 18.
3. Loosen the armrest angle adjusting screw.
4. Turn the screw clockwise to lower the front of the armrest, or turn the screw counterclockwise to raise the front of the armrest.
5. Lock the adjusting screw into place by retightening the jam nuts.

Controller Position Adjustment

The controller can be positioned for either right- or left-hand use. It can also easily slide out away from the armrest, or in toward the armrest.

To change the controller position:

1. Turn off the power to the controller.
2. Disconnect the controller connector(s) from the electronics tray.
3. Cut any wire ties securing the controller cable to the armrest.
4. Flip up the armrest and loosen the setscrew. See figure 13.
5. Slide the controller out of the armrest.
6. Loosen the setscrew in the other armrest.
7. Place the controller in the other armrest.
8. Tighten the setscrew(s) to secure the controller.

NOTE: *If your power chair is equipped with a Synergy Seat or TRU-Balance Power Positioning System, loosen the mounting screws (see figure 12) and remove the mounting block from the armrest. Transfer the mounting block and controller to the opposite armrest and tighten the mounting screws to secure the controller in place.*

9. Use a wire tie to secure the controller cable to the armrest on a contour seat.
10. Plug the controller connector(s) into the power base.

To extend the controller:

1. Loosen the setscrew(s) on the underside of the armrest or in the mounting block. See figures 12 and 13.
2. Slide the controller mounting bracket into or out of the armrest to the desired position.
3. Tighten the setscrew(s).

V. COMFORT ADJUSTMENTS

Foot Platform Height Adjustment

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

To raise or lower the foot platform:

1. Remove the mounting hardware from the foot platform bracket. See figure 19.
2. Raise or lower the foot platform to the desired height.
3. Reinstall the mounting hardware into the foot platform bracket and tighten.

Foot Platform Depth Adjustment

To adjust the foot platform depth:

1. Remove the mounting hardware from the foot platform bracket. See figure 19.
2. Move the foot platform in or out to the desired depth.
3. Reinstall the mounting hardware into the foot platform bracket and tighten.

Foot Platform Angle Adjustment

You can adjust the angle of the foot platform with a hex key. See figure 20.

To adjust the foot platform angle:

1. Flip up the foot platform.
2. Turn the setscrew clockwise to raise the front of the foot platform.
3. Turn the setscrew counterclockwise to lower the front of the foot platform.

Swing-Away Footrests

Swing-away Footrests (SFRs) enable you to swing the footrest to the side before transferring from your power chair.

To swing the footrests:

1. Push in the SFR release lever. See figure 21.
2. Swing the footrest off to the side.

To adjust the SFR length:

1. Remove the two adjustment screws from the side of each footrest extension. See figure 21.
2. Slide the footrest up or down to the desired length.
3. Reinstall the two adjustment screws.

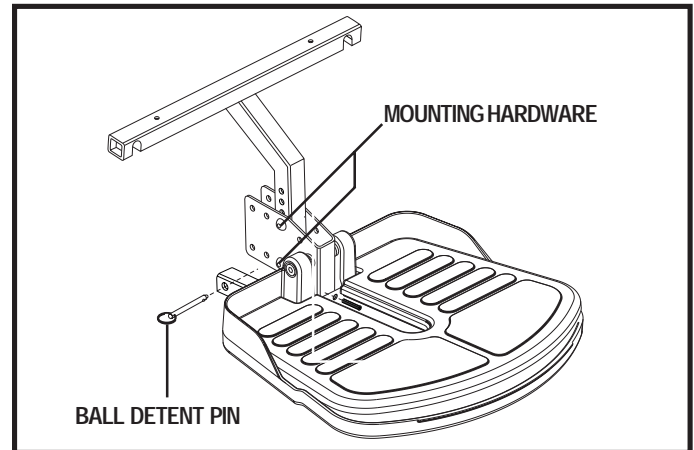


Figure 19. Foot Platform Height Adjustment

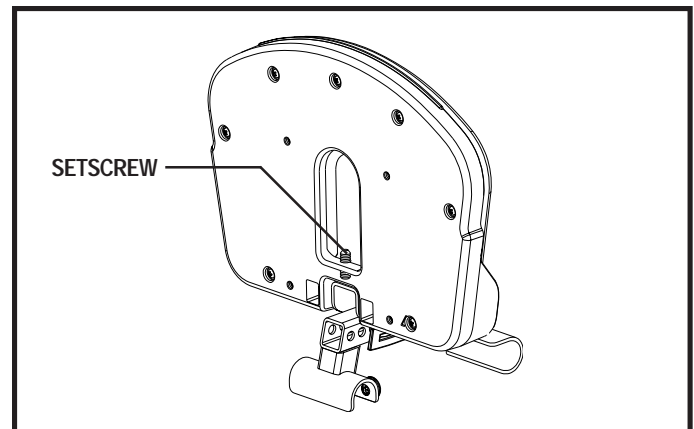


Figure 20. Foot Platform Angle Adjustment

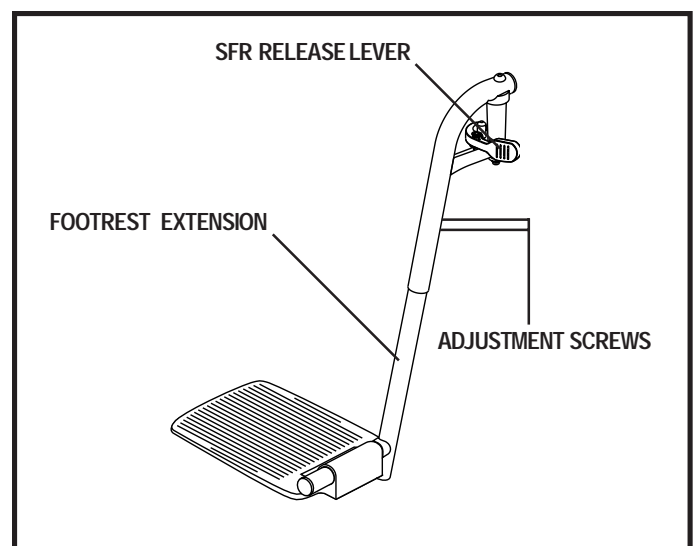


Figure 21. Swing-Away Footrests

V. COMFORT ADJUSTMENTS

Elevating Leg Rests

Elevating Leg Rests (ELRs) offer an infinite range of adjustment for the leg angle and a footrest adjustment range of 30.5–48 cm (12–19 in.).

To rotate the ELRs:

1. Push in release lever A. See figure 22.
2. Rotate the ELRs.

To adjust the ELR angle:

1. Push down release lever B. See figure 22.
2. Move the leg rest to the desired angle.

To adjust the ELR length:

1. Remove the two adjustment screws from the side of each leg rest extension. See figure 22.
2. Slide the leg rest up or down to the desired length.
3. Reinstall the two adjustment screws.

Multi-Axis Foot Plates

The multi-axis foot plate assembly can be installed on either a swing-away footrest or an elevating leg rest. The multi-axis foot plate has four adjustments: leg rest length (A), position (B), tilt (C), and angle (D). See figure 23.

To change leg rest length (A):

1. Remove the hardware.
2. Move the leg rest to the desired position.
3. Reinstall the hardware.

To change foot plate position (B):

1. Remove the hardware.
2. Move the foot plate to the desired position.
3. Reinstall the hardware.

To change foot plate tilt (C):

1. Loosen the hardware.
2. Tilt the foot plate to desired position.
3. Tighten the hardware.

To change foot plate angle (D):

1. Turn the setscrew clockwise to decrease the angle.
2. Turn the setscrew counterclockwise to increase the angle.

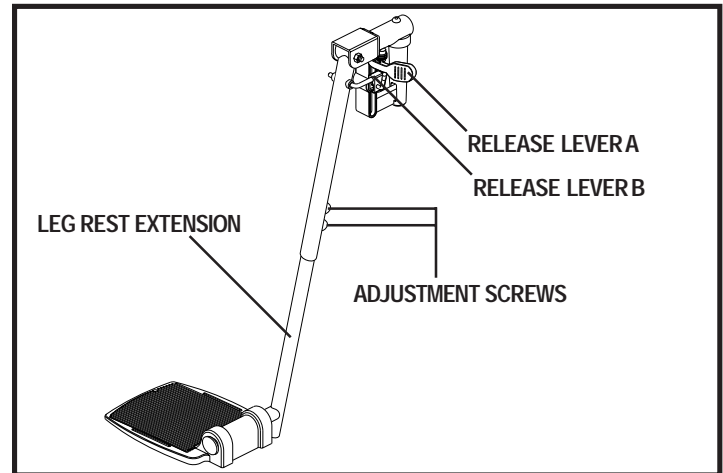


Figure 22. Elevating Leg Rests

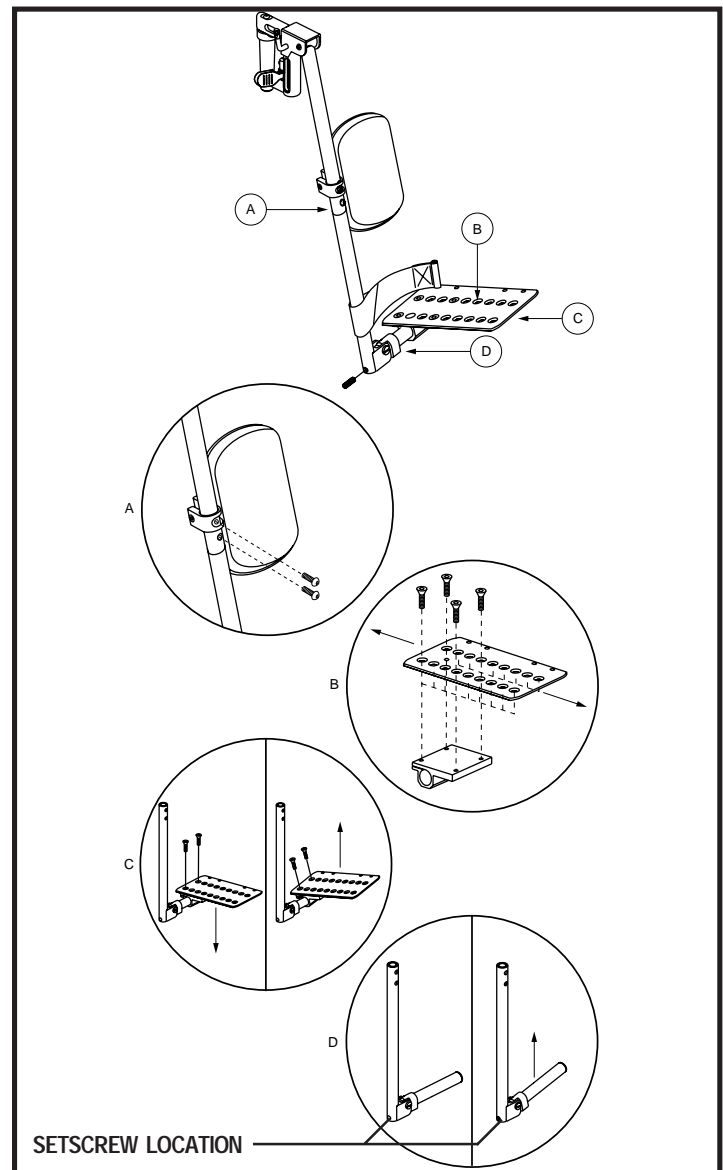


Figure 23. Multi-Axis Foot Plate (ELR Shown)

V. COMFORT ADJUSTMENTS

Manual Recline Adjustment

If your power chair is equipped with a manual reclining seat, you can adjust the seatback angle with the seatback release lever located on the side of the seat base.

To adjust the seatback angle:

1. Pull up on the seatback release lever.
2. Move the seatback down or up to the desired position.
3. Release the seatback release lever.

Headrest Adjustment

If your power chair 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.

Power Elevating Seat

If your power chair is equipped with a power elevating seat, you can change the seat height either through the controller or through a toggle switch mounted to one of the armrest.

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 the power chair tipping over and causing injury.



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

WARNING! Never raise the power elevating seat while your power chair is in the freewheel mode.

WARNING! Always fasten the positioning belt when operating the power elevating seat.

NOTE: For more information on operating the power elevating seat through the controller, contact your authorized Pride Provider.

To change the seat height through toggle switch:

1. Press forward on the toggle switch to raise the seat. See figure 24.
2. Pull back on the toggle switch to lower the seat.



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

NOTE: The power elevating seat option is equipped with a system that reduces the speed of the power chair by one-half when the seat is elevated more than 2.5–5 cm (1–2 in.). Always check to be sure this system is operating properly before using your power chair.

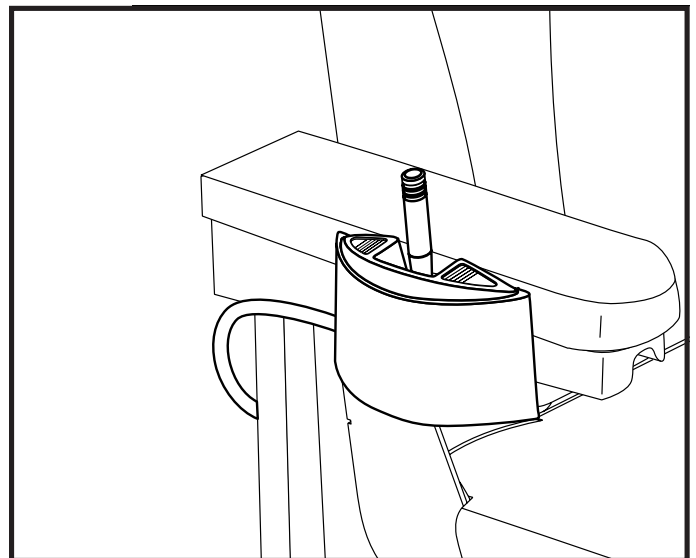


Figure 24. Power Seat Toggle Switch

V. COMFORT ADJUSTMENTS

Anti-tip Wheel Adjustment

The anti-tip wheels are designed to give your power chair increased stability on rough surfaces. The anti-tip wheels are preset for smooth surfaces or indoor use only. If you plan on using your power chair on rough surfaces, it may be necessary to adjust the anti-tip wheels to better suit your needs. The anti-tip wheels may need adjustment if either of the following occur:

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

NOTE: Each drive tire must be inflated to 35 psi (2.4 bar) in order for the anti-tip wheels to be properly adjusted.

To adjust the anti-tip wheels:

1. Place a wrench on the inner locknut of the anti-tip bracket located right after the shock strut. See figure 25.
2. Turn the locknut counterclockwise to loosen.
3. Place your wrench on the adjustable cam located on the other side of the locknut. See figure 26.
4. To adjust the anti-tip upward, turn the cam counterclockwise. To adjust the anti-tip downward, turn the cam clockwise.
5. Tighten the locknut.

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



WARNING! The higher you raise the anti-tip wheels, the more tendency your power chair 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 farther to the rear of your Jazzy 1402. Failure to do so may result in personal injury.



PROHIBITED! Do not remove the anti-tip wheels.

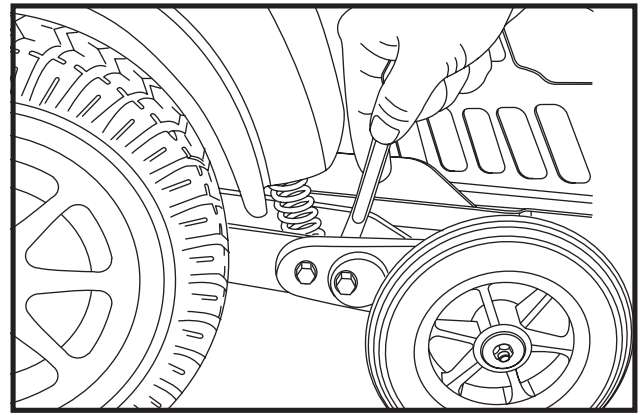


Figure 25. Anti-Tip Bracket (Inner Locknut)

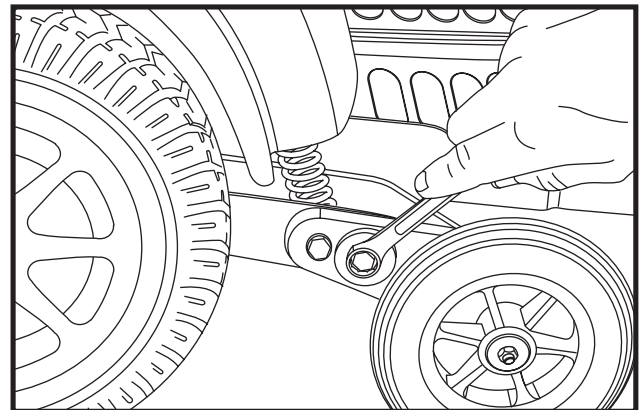


Figure 26. Anti-Tip Wheel Adjustment (Cam)

VI. BATTERIES AND CHARGING

BATTERIES AND CHARGING

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

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



WARNING! Prevent injury and/or equipment damage! Do not use batteries that exceed the recommended type and amp-hour capacity. Do not use batteries with different amp-hour capacities. Refer to specifications table in this manual for recommended type and capacities.

Charging the Batteries

The battery charger is essential in providing long life for your power chair batteries. It is designed to optimize your power chair's performance by charging the batteries safely, quickly, and easily.



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



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

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

WARNING! Prevent injury and/or equipment damage! Read the battery charging instructions in this manual and in the manual supplied with the battery charger before charging the batteries.

WARNING! Prevent injury and/or equipment damage! Do not expose the off-board battery charger to rain or other sources of moisture unless it has been tested for outdoor use. Refer to the manual supplied with the battery charger for more information.

WARNING! Prevent injury and/or equipment damage! Explosive gases may be generated while charging the batteries. Keep the power chair and the battery charger away from sources of ignition such as flames or sparks and provide adequate ventilation when charging the batteries.



WARNING! Prevent injury and/or equipment damage! Inspect the battery charger, wiring, and connectors for damage before each use. Contact your authorized Pride Provider if damage is found.

WARNING! Prevent injury and/or equipment damage! Do not attempt to open the battery charger case. If the battery charger does not appear to be working correctly, contact your authorized Pride Provider.

WARNING! Prevent injury and/or equipment damage! If the off-board battery charger is equipped with cooling slots, then do not attempt to insert objects through these slots.

WARNING! Prevent injury and/or equipment damage! Do not allow unsupervised children to play near the power chair while the batteries are charging.

WARNING! Prevent injury and/or equipment damage! If your off-board battery charger has not been tested and approved for outdoor use, then do not expose it to adverse or extreme weather conditions. If the battery charger is exposed to adverse or extreme weather conditions, then it must be allowed to adjust to the difference in environmental conditions before use indoors. Refer to the manual supplied with the battery charger for more information.

VI. BATTERIES AND CHARGING

To charge the batteries using the off-board charger:

1. Position the front of your power chair next to a standard electrical outlet.
2. Be certain the controller power is turned off and the unit is not in freewheel mode. See III. “Your Power Chair.”
3. Plug the off-board charger into the off-board charger/programming socket on the controller. See VIII. “Operation.”
4. Plug the off-board charger into the electrical outlet.

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

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

To charge the batteries using an onboard charger:

1. Position the rear of your power chair close to a standard electrical 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. Open the rear sliding door and plug the charger power cord into the charger power cord receptacle.
4. Extend the charger power cord and plug it into the electrical outlet.

NOTE: Your power chair incorporates an inhibit function that disables the power chair when the charger is plugged into an electrical outlet.

5. We recommend you charge the batteries for 8 to 14 hours.

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

6. When the batteries are fully charged, the ammeter needle vibrates on or about the 0 mark on the ammeter scale. Unplug the charger power cord from the electrical outlet, wind the cord up and secure it with a hook and loop strap, then store it in the electronics tray for future use.
7. Close the rear sliding door.

Battery Break-in

To break in new batteries for maximum efficiency:

1. Fully recharge any new battery prior to its initial use. This brings the battery up to about 90% of its peak performance level.
2. Operate your power chair throughout the house and yard. Move slowly at first, and do not travel too far until you become accustomed to the controls and break in the batteries.
3. Give the batteries another full charge of 8 to 14 hours and operate your power chair again. The batteries 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.

VI. 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 power chair batteries use direct current to run your power chair. When the battery voltage is low, the charger works harder to charge the battery. As the battery voltage approaches full charge, the charger does not work as hard to complete the charging cycle. When the battery is fully charged, the amperage from the charger is nearly at zero. This is how the charger maintains a charge but does not overcharge the battery.

Can I use a different battery charger?

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

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

How often must I charge the batteries?

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

■ Daily Use

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

■ Infrequent Use

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

NOTE: *Keep your batteries fully charged and avoid deeply discharging your batteries. Refer to the manual supplied with the battery charger for charging instructions.*

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, sidewalk 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.



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

VI. 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. AGM and Gel-Cell batteries should be charged as often as possible. They do not have a “memory” like nickel-cadmium batteries.

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

It might take a few days for the temperature of the battery to stabilize 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.

How can I ensure maximum battery life?

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

How should I store my power chair and its batteries?

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

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

What about public transportation?

AGM and Gel-Cell batteries are designed for application in power chairs and other mobility vehicles. These batteries are Federal Aviation Administration (FAA) approved, 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 power chair to your final destination, repack your power chair in the original shipping container and ship the batteries in separate boxes.

VIII. CARE AND MAINTENANCE

CARE AND MAINTENANCE

Your Jazzy 1402 is a sophisticated power chair. Like any motorized vehicle, it requires routine maintenance checks. You can perform some of these checks, but others require assistance from an authorized Pride Provider. Preventive maintenance is very important. If you follow the maintenance checks in this section as scheduled, you can help ensure that your power chair gives you years of trouble-free operation. If you have any doubt as to the care or operation of your power chair, contact your authorized Pride Provider.



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

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



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

Should your power chair come in contact with water:

1. Dry your power chair as thoroughly as possible with a dry towel.
2. Allow your power chair 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 power chair again.
4. If any inconsistencies are found, take your power chair to an authorized Pride Provider.

Temperature

- Some of the parts of your power chair are susceptible to extreme changes in temperature. Always keep your power chair between the temperatures of $-8^{\circ}\text{C}/18^{\circ}\text{F}$ and $50^{\circ}\text{C}/122^{\circ}\text{F}$.
- 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 $50^{\circ}\text{C}/122^{\circ}\text{F}$ may cause your power chair 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. "Operation."

General Guidelines

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



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

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

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



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

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- 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 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 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. Contact your authorized 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. Contact your authorized Pride Provider if there is a problem with any of these harnesses.
- Check for flat spots on solid tires. Flat spots could adversely affect stability.

Weekly Checks

- Disconnect and inspect the wiring harnesses from the electronics tray. Look for corrosion. Contact your authorized Pride Provider if necessary.
- Ensure that all parts of the controller system are securely fastened to your power chair. Do not overtighten any screws.
- Check for proper tire inflation. There should be **35 psi (2.4 bar)** in each pneumatic tire. If a tire does not hold air, see an authorized Pride Provider for replacement of the tube.
- Check the brakes. This test should be carried out on a level surface with at least 1 meter (3 feet) of clearance around your power chair.

To check the brakes:

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

Monthly Checks

- Check that the anti-tip wheels do not rub the ground when you operate the power chair. Adjust them as necessary. See V. "Comfort Adjustments."
- Check for extreme wear on the anti-tip wheels. Replace them as necessary.
- Check for drive tire wear. See an authorized Pride Provider for replacement.
- 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 authorized Pride Provider for repair.
- Keep your power chair clean and free of foreign material, such as mud, dirt, hair, food, drink, etc.

Yearly Checks

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

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Storage

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



WARNING! Improper storage of your power chair can result in rust to the frame and damage to electronics. Store and maintain your power chair in a dry and clean condition.

Cleaning Instructions



WARNING! Never hose off your Jazzy 1402 or place it in direct contact with water. Your power chair has a painted, ABS plastic body shroud that allows it to be easily wiped clean with a damp cloth.

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

Tire/Wheel Replacement

If you have pneumatic tires and you have a flat tire, you can replace the tube. If your chair is equipped with a solid tire insert, then you must replace the entire wheel assembly. Replacement tires, tubes, and wheel assemblies are readily available through your authorized 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 tire before attempting repair.

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

1. Turn off the power to the controller.
2. Set the power chair up on blocks.
3. If you are changing a pneumatic tire, completely deflate it before removing the wheel.
4. Remove the drive wheel nut and washer from the axle. See figure 31.
5. Pull the wheel off of the axle.
6. Remove the screws that fasten the two rim halves together. See figure 32.
7. Remove the old tube from the pneumatic tire and replace it with a new tube or replace the entire assembly if it is a solid tire.
8. Screw together the two rim halves.
9. Slide the wheel back onto the axle.
10. Reinstall the drive wheel nut and washer onto the axle and tighten.
11. Inflate the pneumatic tire to **35 psi (2.4 bar)**.
12. Remove the power chair from the blocks.

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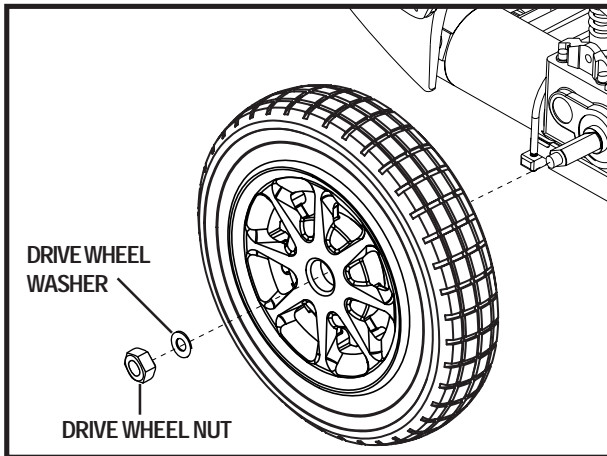


Figure 31. Drive Wheel Removal

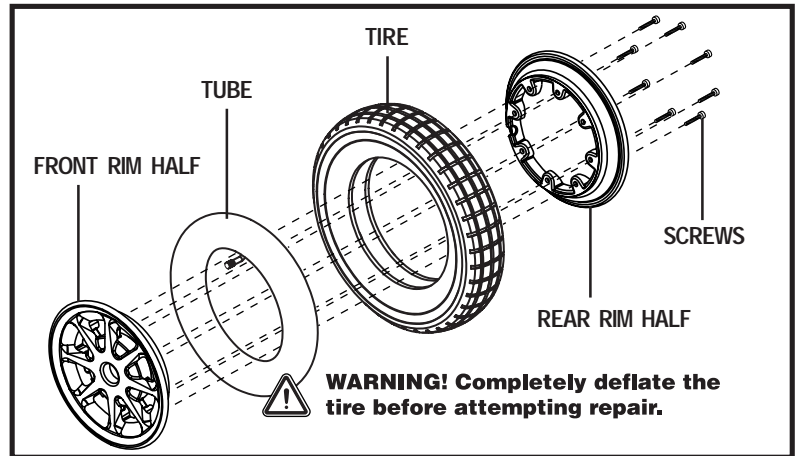


Figure 32. Drive Wheel Disassembly

Battery Replacement

A battery wiring diagram is printed on a decal located on the frame near the rear battery. See the specification table for correct battery specifications. See figure 33.

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

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

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



WARNING! Prevent injury and/or equipment damage! Do not mix or match new and old batteries. If you encounter a situation where one battery needs to be replaced, then replace both batteries. Refer to specifications table in this manual and/or the manual supplied with the battery charger for recommended type and capacities.

To replace the batteries:

1. Turn off the power to the controller.
2. Remove the detent pin from the bottom of the foot platform bracket. See figure 19.
3. Lift the foot frame straight up approximately 5 cm (2 in.) and pull toward you to remove the foot platform.
4. Locate the two wiring harnesses that are attached to the batteries.
5. Disconnect the wiring harnesses from their respective quick disconnects on the frame by pulling the quick disconnects toward you.
6. Remove the batteries from the power base assembly.
7. Disconnect the battery harnesses from the positive and negative terminals on the batteries.

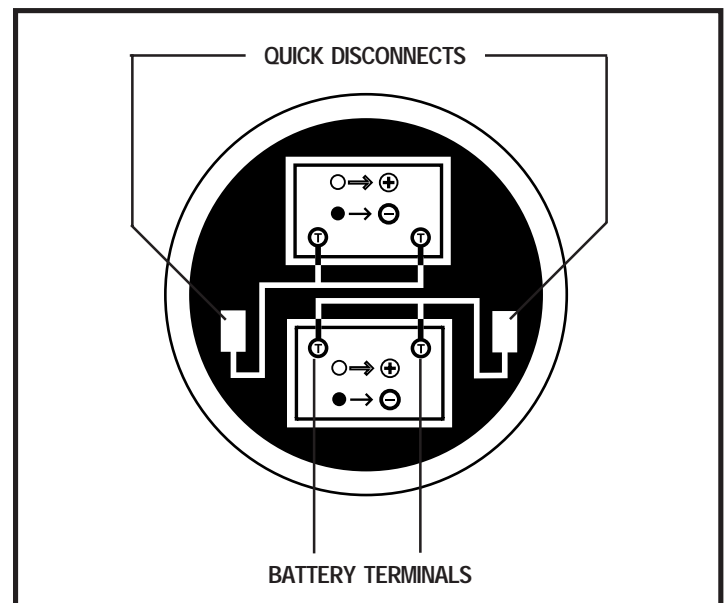


Figure 33. Battery Wiring Diagram

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8. Connect the battery harnesses to the new batteries.
 - Connect the wire labeled BAT (+) to the positive (red) terminals.
 - Connect the wire labeled BAT (-) to the negative (black) terminals.
9. Place the rear battery at the back of the battery tray with the battery terminals facing inward, toward the center of the power chair and plug the battery harness into a quick disconnect.
10. Place the front battery in the battery tray with the battery terminals facing inward, toward the center of the power chair and plug the battery harness into a quick disconnect.



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

11. Replace the foot platform and reinsert the ball detent pin to secure.

When to See Your Authorized Pride Provider for Service

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

- Motor noise
- Frayed harnesses
- Cracked or broken connectors
- Uneven wear on any of the tires
- 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 power chair still does not power up, contact your authorized Pride Provider.

NOTES

Quality Control - Jazzy 1402

Inclusion of all Parts

Joystick Serial Number

Controller Serial Number

Left Motor Serial Number

Right Motor Serial Number

Fit and Finish

Performance



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

Date Inspected

Inspector

* I NFMANU3185 *

Product Serial #