

# LUXOR



OWNER'S MANUAL

**Pride**  
Mobility Products B.V.  
[www.pridemobility.com](http://www.pridemobility.com)

Castricummer Werf 26 • 1901 RW Castricum • The Netherlands

# SAFETY GUIDELINES



**WARNING!** An authorized Pride provider or a qualified technician must perform the initial setup of this power chair and must perform all of the procedures in this manual.

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!** Indicates a potentially hazardous condition/situation. Failure to follow designated procedures can cause either personal injury, component damage or malfunction. On the product, this icon is represented as a black symbol on a yellow triangle with a black border.



**MANDATORY!** These actions should be performed as specified. Failure to perform mandatory actions can cause personal injury and/or equipment damage. On the product, this icon is represented as a white symbol on a blue dot with a white border.



**PROHIBITED!** These actions are prohibited. These actions should not be performed at any time or in any circumstances. Performing a prohibited action can cause personal injury and/or equipment damage. On the product, this icon is represented as a black symbol with a red circle and red slash.

## Quick Reference Information

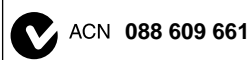
Authorized Pride Provider: \_\_\_\_\_

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

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

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

**NOTE:** 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. The latest/current version of this manual is available on our website.



# *C O N T E N T S*

<i>I. INTRODUCTION.....</i>	<i>4</i>
<i>II. SAFETY.....</i>	<i>5</i>
<i>III. YOUR POWER CHAIR.....</i>	<i>17</i>
<i>IV. ASSEMBLY AND DISASSEMBLY.....</i>	<i>21</i>
<i>V. COMFORT ADJUSTMENTS.....</i>	<i>25</i>
<i>VI. BATTERIES AND CHARGING.....</i>	<i>27</i>
<i>VII. CARE AND MAINTENANCE.....</i>	<i>31</i>
<i>VIII. WARRANTY.....</i>	<i>36</i>
<i>APPENDIX I: SPECIFICATIONS.....</i>	<i>37</i>

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

## 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. You must also read all instructions, warnings, and notes contained in any supplemental instructional booklets for the controller, front riggings, and/or seating system that accompanied your power chair before initial operation. Your **safety** depends upon you, as well as your provider, caregiver, 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, and may void 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.

## SHIPPING AND DELIVERY

Before using your power chair, make sure your delivery is complete as some components may be individually packaged. If you do not receive a complete delivery, please contact your authorized Pride Provider immediately. Where damage has occurred during transport, either to the packaging or content, please contact the delivery company responsible.

## 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:

### Europe:

Pride Mobility Products Europe B.V.  
Castricummer Werf 26  
1901 RW Castricum  
The Netherlands

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



## II. SAFETY

### 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.



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



*Do not allow unsupervised children to play near the power chair while the batteries are charging.*



*Maximum seating weight.*



*Keep your hands away from the tyres when driving. Be aware that loose fitting clothing can become caught in drive tyres.*



*Use correct tie-down points for controller harness to prevent the harness from getting caught in the drive tyres, pinched in the seat frame, or damaged when passing through doorways.*



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

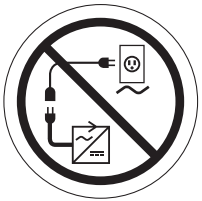
## II. SAFETY



*Do not lift the mobility vehicle while seated in it.*



*Do not lift the mobility vehicle while seated in it.*



*Do not connect an extension cord to the AC/DC converter or the battery charger.*



*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.*



*Wear safety goggles.*



*Corrosive chemicals contained in battery.*



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

## II. SAFETY



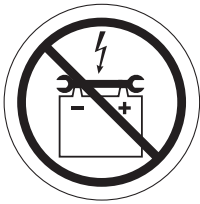
*EMI-RFI - This product has been tested and passed at an immunity level of 20 V/m.*



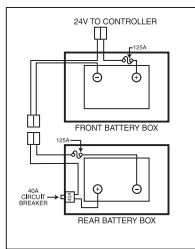
*Explosive conditions exist!*



*Use only AGM or Gel-Cell batteries to reduce the risk of leakage or explosive conditions.*



*Keep tools and other metal objects away from battery terminals.*



*Battery Set Configuration:*

*+ = Positive (Red) Terminal Post*

*- = Negative (Black) Terminal Post*

*Connect Red wire to Red Positive (+) Terminal Post*

*Connect Black wire to Black Negative (-) Terminal Post*



*Do not use batteries with different amp-hour (Ah) capacities. Do not mix old and new batteries. Always replace both batteries at the same time.*



*Pinch/Crush points created during assembly.*

## II. SAFETY



*Battery charger for indoor use only.*



*Disposal and recycling - Contact your authorized Pride Provider for information on proper disposal and recycling of your Pride product and its packaging.*



*Unlocked and in freewheel mode.*



*Locked and in drive mode.*



*Do not place power chair in freewheel mode on a decline.*



*Do not place power chair in freewheel mode on an incline.*



*Contains Lead.*

# II. SAFETY

## GENERAL GUIDELINES



**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 you become accustomed to operating your power chair safely.

### Modifications

Pride has designed and engineered your power chair to provide maximum mobility and utility. A wide range of accessories is available from your 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. Do not use accessories if they have not been tested or approved for Pride products.

### Pre-Ride Safety Check

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

### Perform the following inspections prior to using your power chair:

- Check for proper tyre inflation. Maintain but do not exceed **2,4 bar (35 psi/240 kPa)** in each tyre if equipped with pneumatic tyres.
- Check all electrical connections. Make sure they are tight and not corroded.
- Check all controller connections to the power base. Make sure they are secured properly.
- Check the brakes. See VII. "Care and Maintenance."
- Check battery charge. See VI. "Batteries and Charging."

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

# 11. SAFETY

## Weight Limitations

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



**WARNING!** Stay within the specified weight capacity of your power chair. Exceeding the weight capacity voids your warranty. 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 affect the center of gravity, resulting in a tip or a fall.

## Tyre Inflation

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

**WARNING!** It is important that 2,4 bar (35 psi/240 kPa) tyre pressure be maintained in pneumatic tyres at all times. Do not underinflate or overinflate your tyres. Low pressure may result in loss of control, and overinflated tyres may burst. Failure to maintain 2,4 bar (35 psi/240 kPa) tyre pressure in pneumatic tyres at all times may result in tyre and/or wheel failure.



**WARNING!** Inflate your power chair drive tyres from a regulated air source with an available pressure gauge. Inflating your tyres from an unregulated air source could overinflate them, resulting in a burst tyre.

**WARNING!** When changing a tyre, remove only the center lug nut, then remove the wheel. If any further disassembly is required, deflate the tyre completely or it may explode.

## Incline Information

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

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

When climbing an incline, try to keep your power chair moving. If you must stop, start up again slowly and then accelerate cautiously. When driving down an incline, set your power chair to the slowest speed 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 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.

**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!** Never travel down an incline rearward. Doing so may cause the power chair to tip. Always exercise extreme caution when negotiating an incline.

**WARNING!** If your power chair is equipped with a reclining seatback, do not attempt to negotiate inclines with the seat in a reclined position. Do not attempt to negotiate obstacles with the seat in a reclined position unless an attendant is present to help stabilize the chair. Failure to heed could result in the power chair tipping over.

## II. SAFETY

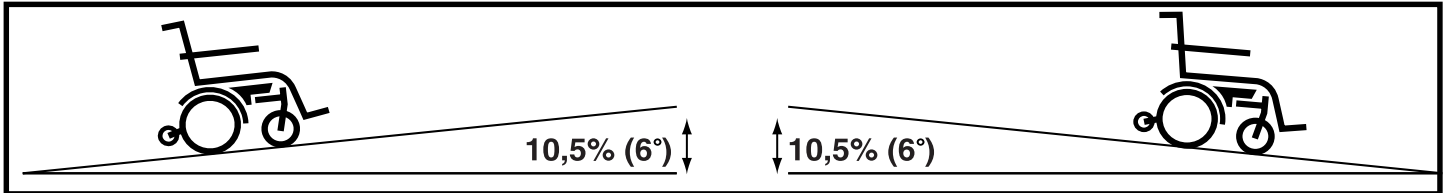


**WARNING!** Even though your power chair is capable of climbing slopes greater than those illustrated in figure 1, do not, under any circumstances, exceed the incline guidelines or any other specifications presented in this manual. Doing so could cause instability in your power chair.

Pride recommends that the maximum slope of an incline you attempt to safely ascend or descend on your power chair does not exceed 10,5% (6°). See figure 1.



**WARNING!** Any attempt to climb or descend a slope steeper than 10,5% (6°) may put your power chair in an unstable position and cause it to tip.



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

### 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.

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



**WARNING!** Do not place your power chair in freewheel mode while on an incline or decline. This could cause the chair to roll uncontrollably on its own.

### Braking Information

Your power chair is equipped with two powerful brake systems:

- Regenerative — uses electricity to rapidly slow the vehicle when the joystick returns to the center/stop position.
- 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 front and rear caster 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 and maintain a stable center of gravity. This greatly reduces the possibility of a tip or fall. Always exercise common sense when cornering.

# 11. SAFETY

## Public Streets and Roadways



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

## 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.

## 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.



**PROHIBITED!** Operating in rain, snow, salt, mist/spray conditions, and on icy/slippery surfaces can have an adverse affect on the electrical system. Maintain and store your power chair in a dry and clean condition.



**WARNING!** Prolonged exposure to hot or cold conditions may affect the temperature of upholstered and non-upholstered items on the power chair, possibly resulting in skin irritation. Exercise caution when using the power chair in extremely hot or cold conditions or when exposing your power chair to direct sunlight for prolonged periods of time.

## Stationary Obstacles (Steps, Curbs, etc.)

Proceed with extreme caution when driving near raised surfaces, unprotected ledges, and/or drop-offs (curbs, porches, stairs, etc.). Be sure your power chair is traveling perpendicular to any curb you may be required to navigate. See figure 2.

**WARNING!** Do not attempt to have your power chair climb or descend an obstacle that is higher than 5 cm unless you have the assistance of an attendant.



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

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

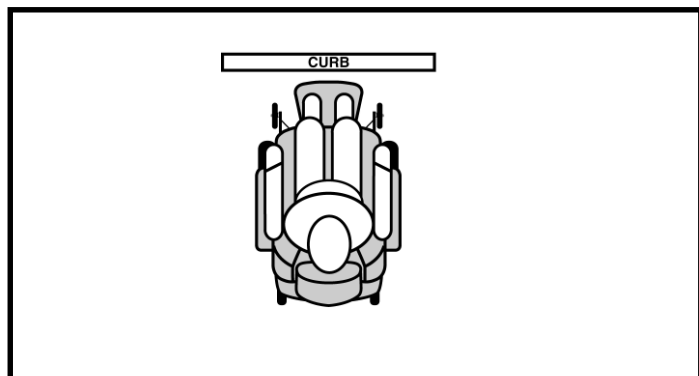


Figure 2. Correct Curb Approach

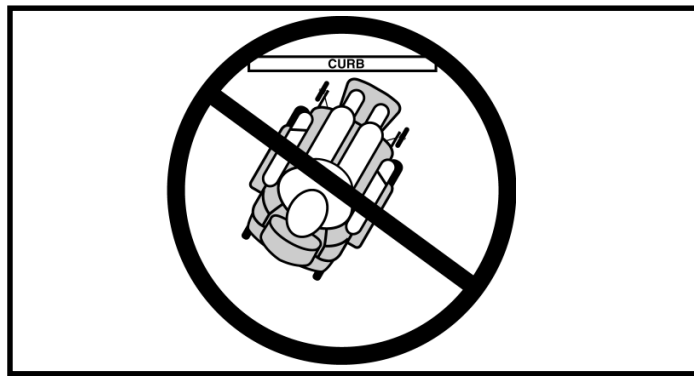


Figure 3. Incorrect Curb Approach



# 11. SAFETY

## 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.*

## Doors

- Determine if the door opens toward or away from you.
- Drive your power chair gently and slowly forward to push the door open. Or drive your power chair gently and slowly rearward to pull the door open.

## Elevators

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

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

## Lifts/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.



**WARNING!** *Never sit on your power chair when it is being used in connection with any type of lift/elevation product. Your power chair was not designed with such use in mind and any damage or injury incurred from such use is not the responsibility of Pride.*

## 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 batteries removed and properly secured.



**WARNING!** *Do not sit on your power chair while it is in a moving vehicle.*

**WARNING!** *Always be sure your power chair and its batteries are properly secured when it is being transported. Batteries should be secured in an upright position and protective caps should be installed on the battery terminals. Batteries should not be transported with any flammable or combustible items.*

## 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. Typically, the positioning belt is not designed for use as a restraining device in a motor vehicle. If your power chair is not rated for use as a seat in a motor vehicle, then you should be properly belted into seats approved by the vehicle manufacturer with your power chair properly stowed for vehicle transport. If your power chair is rated for use as a seat in a motor vehicle, Pride recommends that you ensure your authorized dealer or healthcare professional has properly configured the power chair and positioning belt for such use.

Positioning belts should be installed as detailed in this manual. See V. “Comfort Adjustments.” Once installed, the belt should be placed across the pelvis as determined by the user’s healthcare provider. Anchor points of the positioning belts should be located so that a projected side-view angle of the pelvis is between 30°–75° of horizontal depending on the user’s weight, posture, and seat cushion thickness.



**WARNING!** *If you require a positioning belt to safely operate your power chair, make sure it is fastened securely in order to reduce the possibility of a 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.*

## 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!** 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. Use proper lifting techniques and avoid lifting beyond your capacity.



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

**WARNING!** Connect the battery harnesses in the proper manner. RED (+) cables must be connected to positive (+) battery terminals/posts. BLACK (-) cables must be connected to negative (-) battery terminals/posts. Protective caps should be installed over all battery terminals. REPLACE cables immediately if damaged.

### Removable Parts



**WARNING!** Do not attempt to lift or move a power chair by any of its removable parts, including the armrests, seat, front riggings, controller, and shrouds.

### 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.

### 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 or if you have to reach over the back of the seat. 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.



**WARNING!** Keep your hands away from the tyres when driving. Be aware that loose fitting clothing can become caught in drive tyres.

## II. SAFETY

### Transfers

Transferring onto and off of your power chair requires a good sense of balance. Always have an attendant or health-care 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.
- Ensure your power chair is not in freewheel mode. See III. “Your Power Chair.”
- Turn the 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 foot platform or move the leg rests aside; this will help to keep your feet from getting caught on the front rigging during the transfer.
- Reduce the distance between your power chair and the object you are transferring onto.

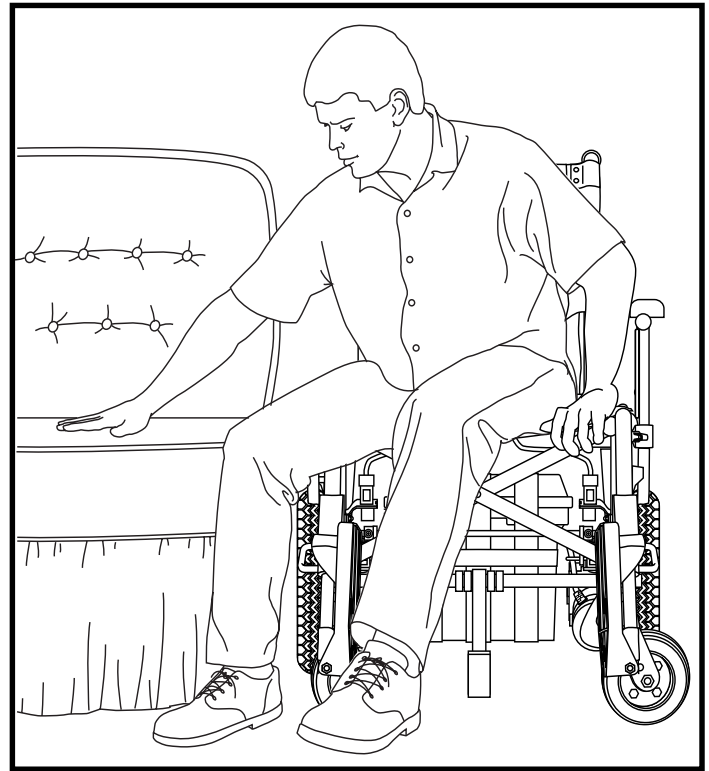


Figure 4. Ideal Transfer Position

*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.*



*WARNING! Avoid putting all of your weight on the power chair armrests and do not use the armrests for weight bearing purposes, such as transfers. Such use may cause the power chair to tip, resulting in a fall from the power chair.*

*WARNING! Avoid putting all of your weight on the front riggings. Such use may cause the power chair to tip.*

### User Positioning

Pride recommends that all users be seated in an upright position with their pelvis positioned as far rearward as possible in the power chair seat. All users need to discuss pelvic positioning with their authorized Pride Provider, therapist(s), or healthcare professional to determine appropriate pelvic position when seated on the power chair based on the user's individual medical needs.

### 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.*

## 11. SAFETY

### Alcohol/Smoking

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 or while smoking.

*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.*



*WARNING! Pride strongly recommends that you do not smoke cigarettes while seated in your power chair, although the power chair has passed the necessary testing requirements for cigarette smoking. You must adhere to the following safety guidelines if you decide to smoke cigarettes while seated in your power chair.*

- *Do not leave lit cigarettes unattended.*
- *Keep ashtrays a safe distance from the seat cushions.*
- *Always make sure cigarettes are completely extinguished before disposal.*

### 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](http://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 LUXOR

The Luxor has two main assemblies: the seat assembly and the power base assembly. See figure 5. Typically, the seat assembly includes the armrests, seatback, and seat base. The power base assembly includes two motor/brake assemblies, two drive wheels, two caster wheels, two anti-tip wheels, two batteries, and wiring harnesses. See figure 5.

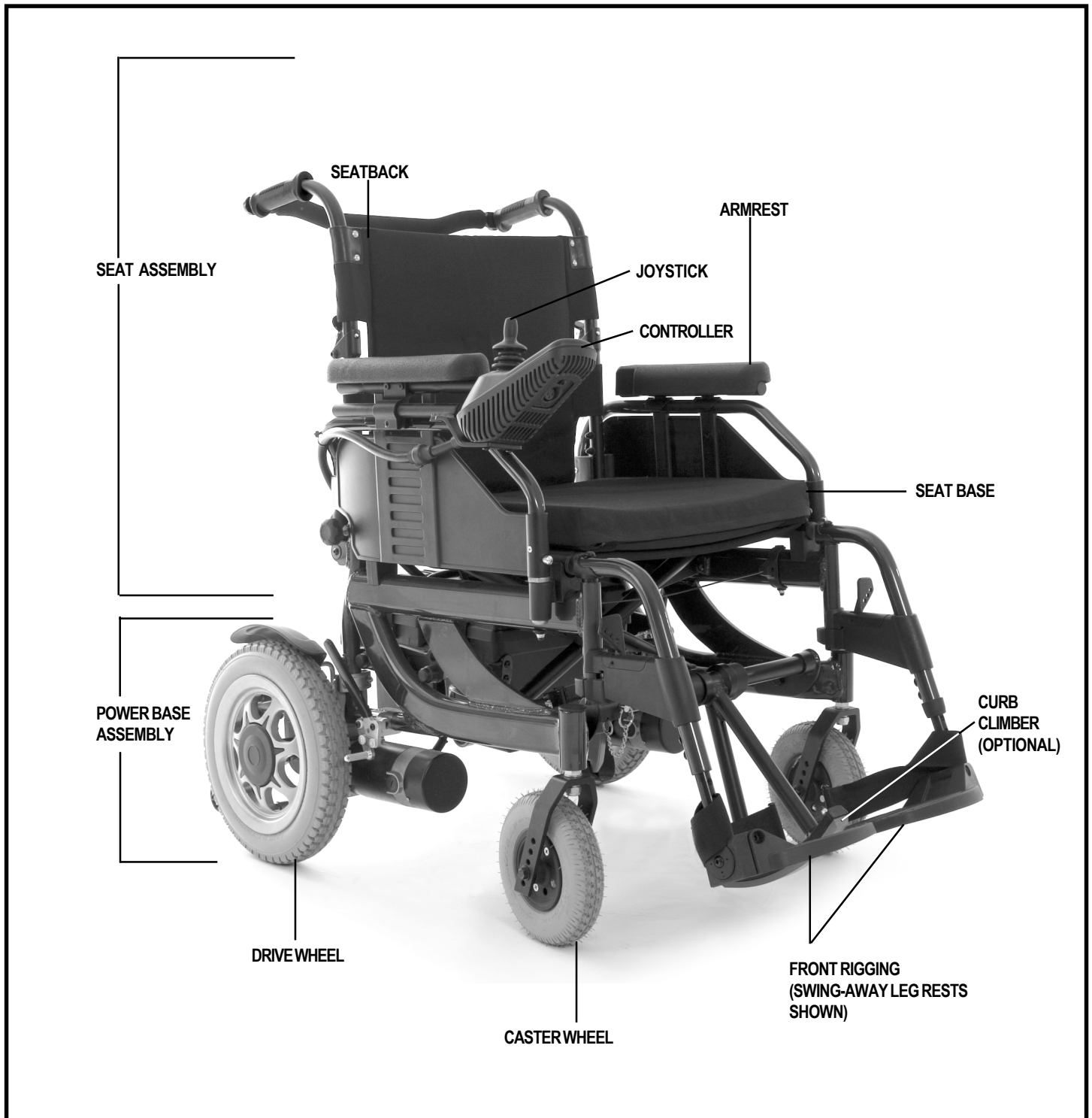


Figure 5. The Luxor

# III. YOUR POWER CHAIR

## Electrical Components

The Luxor's controller is connected to the front battery box and to each motor. See figures 6 and 7. The motor connectors are marked "L" and "R". The "L" harness is connected to the left motor and the "R" harness is connected to the right motor.

**Battery Connections:** The rear battery box is connected to the front battery box by the black connector. See figure 8. The front battery box is connected to the controller by the red connector. Each connector is labeled with a "+" on one side and a "-" on the other side.

**Main Circuit Breakers:** There is a 30-amp circuit breaker that protects the electrical circuits. A circuit breaker is mounted on the side of the rear battery box lid. See figure 9. The circuit breaker is in-line with the positive (+) battery terminal. If the batteries and the motors are heavily strained (e.g., from excessive loads), the circuit breaker will trip to prevent damage to the motors and the electronics. If the circuit breaker trips, allow the power chair to "rest" for approximately one minute. Then, push in the circuit breaker button, turn on the controller power, and continue normal operation. If the circuit breaker continues to trip repeatedly, contact your authorized Pride Provider.

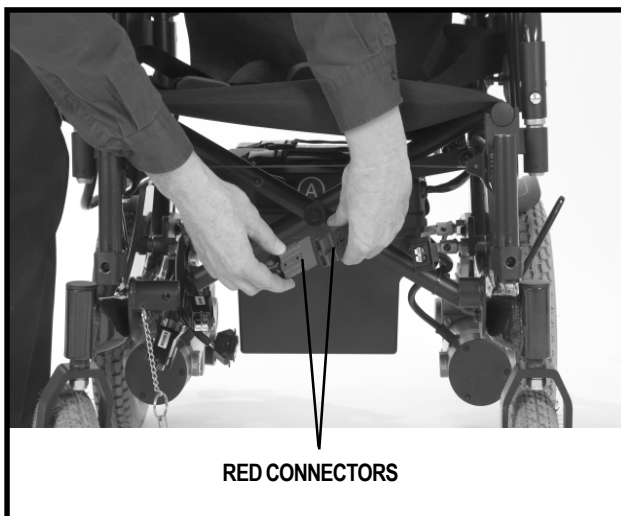


Figure 6. Controller Connection

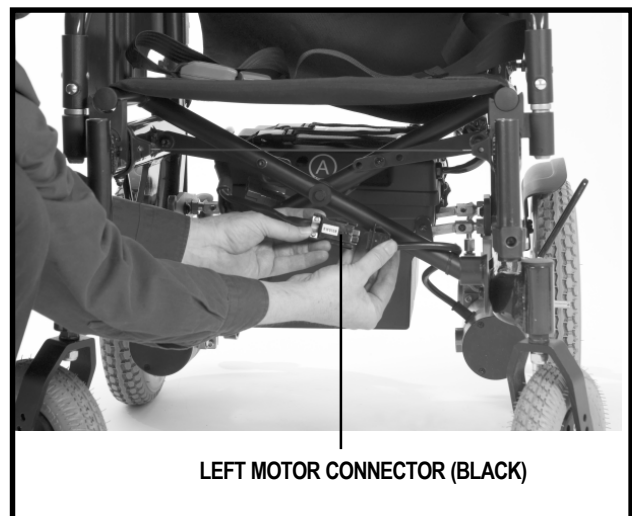


Figure 7. Motor Connection (Left Shown)



Figure 8. Front and Rear Battery Box Connection

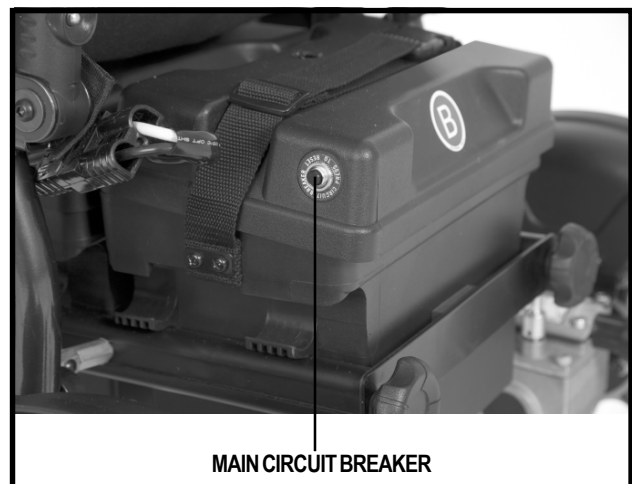


Figure 9. Main Circuit Breaker



# III. YOUR POWER CHAIR

## Manual Freewheel Levers

The Luxor has a manual freewheel lever on each motor. Manual freewheel levers enable you to disengage the drive motors from the gearboxes and maneuver the chair manually.



**WARNING!** Do not use the power chair while the drive motors are disengaged! Do not disengage the drive motors when the power chair is on an incline or decline, as the unit could roll on its own. Only engage the freewheel mode when on a level surface.



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

### To engage or disengage the drive motors:

1. Locate the lever on top of each motor.
2. Rotate the two levers outward to disengage the drive motors (freewheel mode). See figure 10.
3. Rotate the two levers inward to engage the drive motors (drive mode). See figure 11.

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



**WARNING!** Do not use the freewheel lever handles as tie-down points to secure this product.

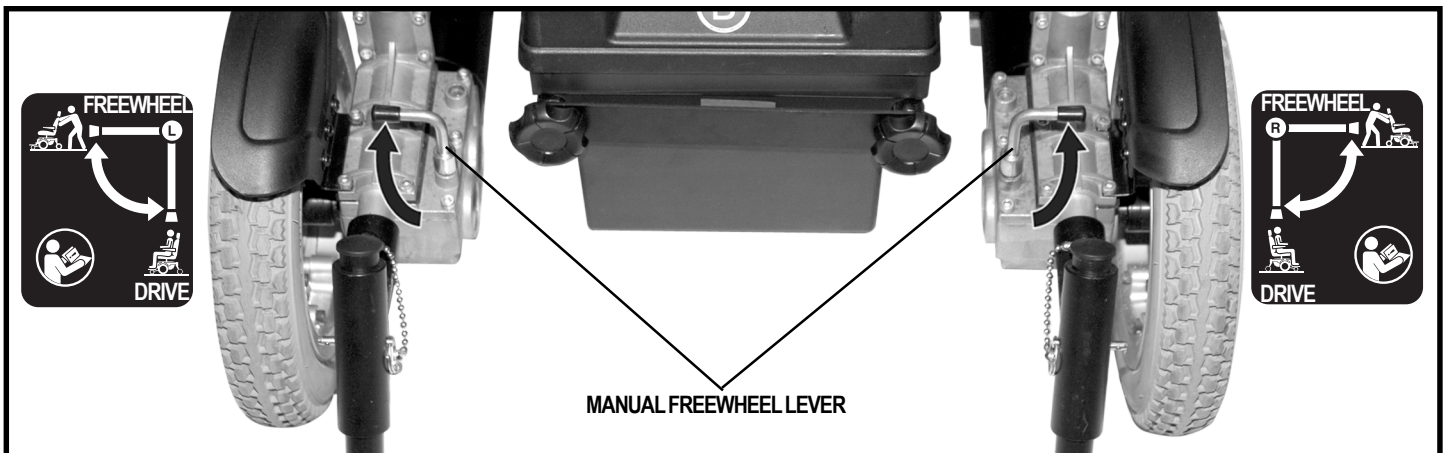


Figure 10. Freewheel Mode (Drive Disengaged)

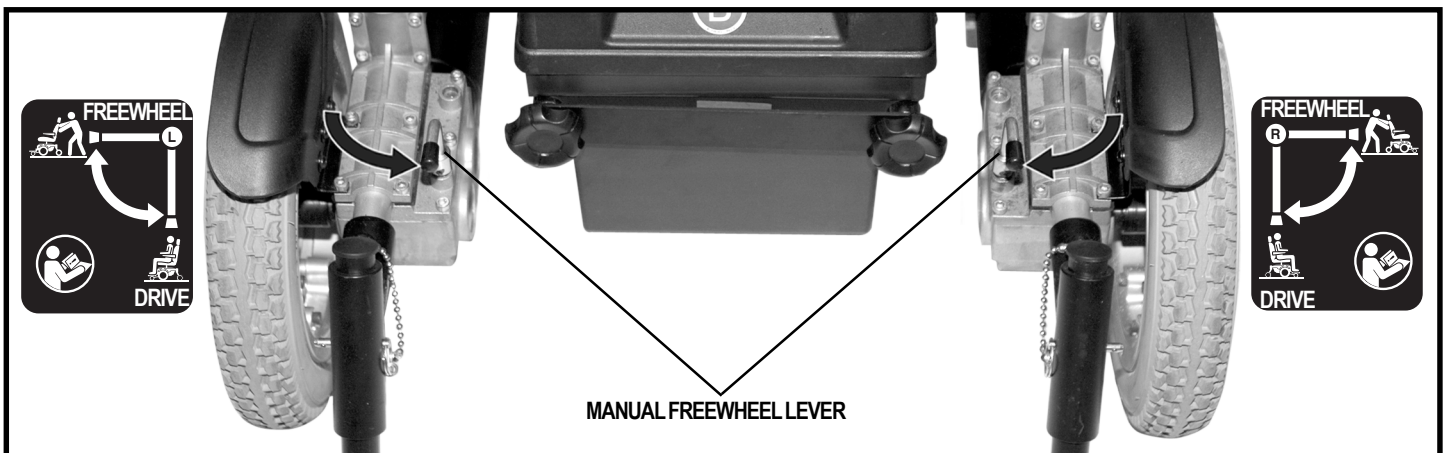


Figure 11. Drive Mode (Drive Engaged)

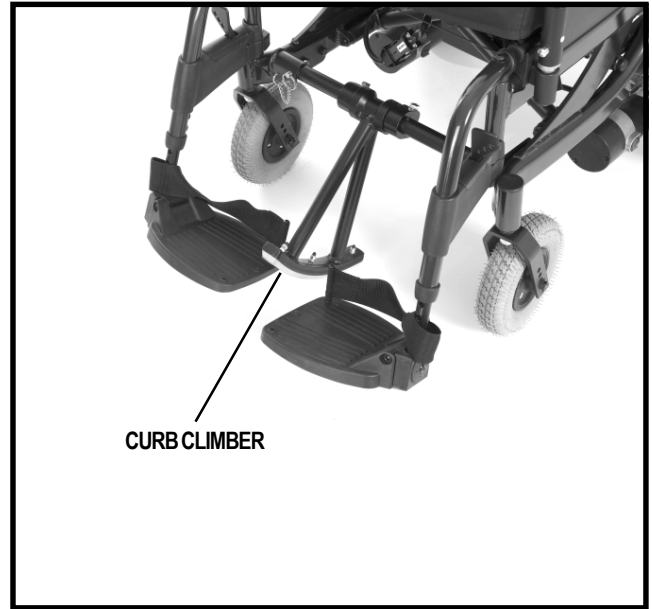
# III. YOUR POWER CHAIR

## **Curb Climber (Optional)**

Your power chair may be equipped with a curb climbing mechanism designed to work with your built-in suspension system to further stabilize your power chair when climbing curbs or other obstacles. See figure 12. The curb climber is bolted to the front of the power chair and is equipped with a spring-loaded foot that acts as a lever to lift the power chair over obstacles.

As the spring-loaded foot comes into contact with the curb or obstacle, the momentum of the chair causes it to pivot downward, lifting the front caster wheels over the obstacle. Once the casters are clear, the drive wheels gain the leverage they need to maneuver over the obstacle. When the chair is once again on level ground and the spring-loaded foot no longer senses an obstacle, it will return to its normal position and will not drag or scrape the ground.

***NOTE: For more information regarding the curb climber feature, please contact your authorized Pride Provider.***



**Figure 12. Luxor with Curb Climber**



## IV. ASSEMBLY AND DISASSEMBLY

### ASSEMBLY

The contents of your Luxor box are as follows: one (1) base assembly, one (1) removeable seat cushion, one (1) seatback, two (2) battery boxes, one (1) controller, and one (1) accessories box. The accessories box contains: six (6) tie-wraps, two (2) anti-tip wheels, and two (2) swing-away leg rests. The toolkit contains all of the tools that you will need for assembly.

**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 13. Luxor Components

# IV. ASSEMBLY AND DISASSEMBLY

## To unpack and assemble the Luxor:

1. Remove the contents from the Luxor box and take inventory. If any parts are missing, contact your authorized Pride Provider immediately. See figure 13.
2. Unfold the power base assembly by pushing down on the seat bars until they lock into place.
3. Install the push bar by attaching the push bar to both seat cane handles and tightening both thumbscrews. See figure 14.
4. Install each battery into a battery box. See VII. "Care and Maintenance."
5. Connect the straps to secure the battery boxes. Adjust for tightness as necessary. See figure 16.
6. Slide the battery boxes into the battery frame. Make sure that the "A" on the front battery box faces the front of the power chair and the "B" on the rear battery box faces the rear of the power chair. The main circuit breaker on the rear battery box should be on the left side.
7. Connect the two black connectors.
8. Install the battery bar across the rear battery and tighten the thumbscrews.
9. Remove the armrests by pushing the release button and lifting the armrest up as shown in figure 17.

**NOTE:** *The armrests can be flipped up by pushing the release button on the front of the armrest.*

10. Unfold the seatback and insert the canes into base assembly.
11. Secure the seatback to the seat base assembly by tightening the knob on each side of the chair. See figure 18.
12. Place the seat cushion on the seat base and press down firmly. The cushion is held in place with reusable fasteners.
13. Install the armrest by aligning the armrest with the posts and sliding the armrest into the posts.
14. Insert the controller into the slot under the desired armrest and adjust to the desired position. Tighten the lever and setscrew to secure the controller in place. See figure 19.

**NOTE:** *Each armrest is designed with a controller bracket so that the controller can be mounted for either a right-hand or left-hand application.*

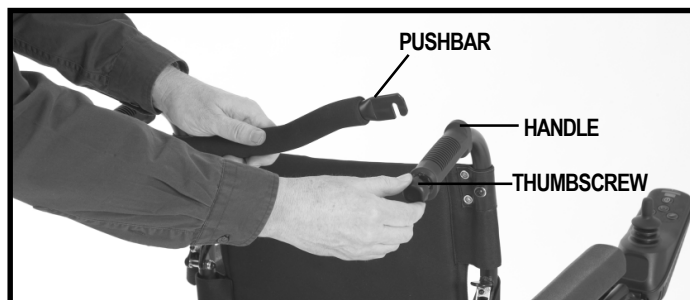


Figure 14. Push Bar Installation

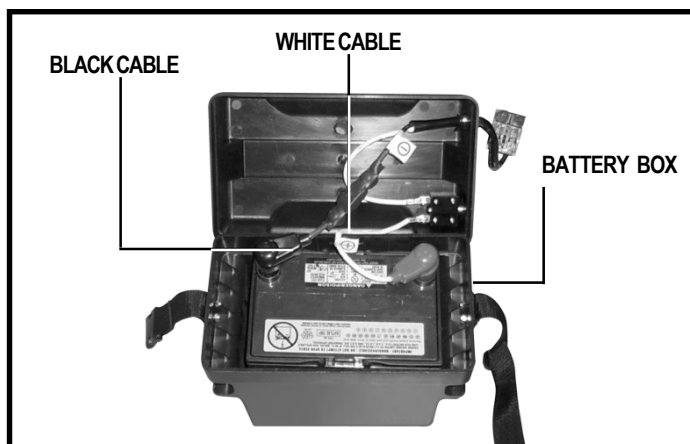


Figure 15. Battery Connection

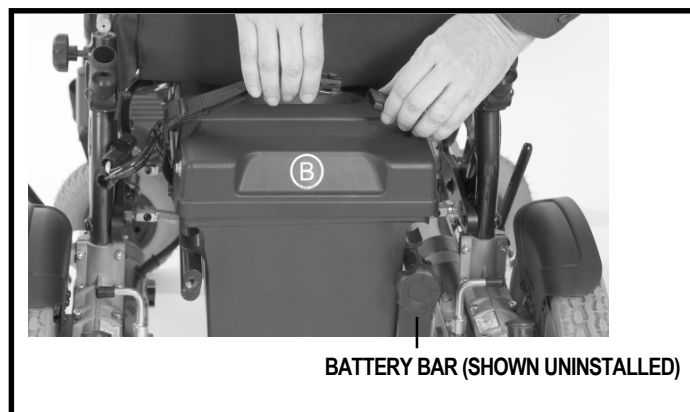


Figure 16. Battery Installation



Figure 17. Armrest Installation

## IV. ASSEMBLY AND DISASSEMBLY



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

15. Connect the controller to the motors. See figure 6.
16. Install the leg rests by pushing the lever rearward and inserting the post into the frame. See figure 20.
17. Ensure the chair is in drive mode. See figure 11. If necessary, tilt the chair forward to gain ground clearance, and then install the anti-tip wheels by inserting the safety pin (clasp style) in the desired holes at the desired height. See figure 21.
18. Plug the battery charging cord into the controller and charge the batteries. See VI. “Batteries and Charging.”
19. Read the owner's manual thoroughly before operating your power chair.

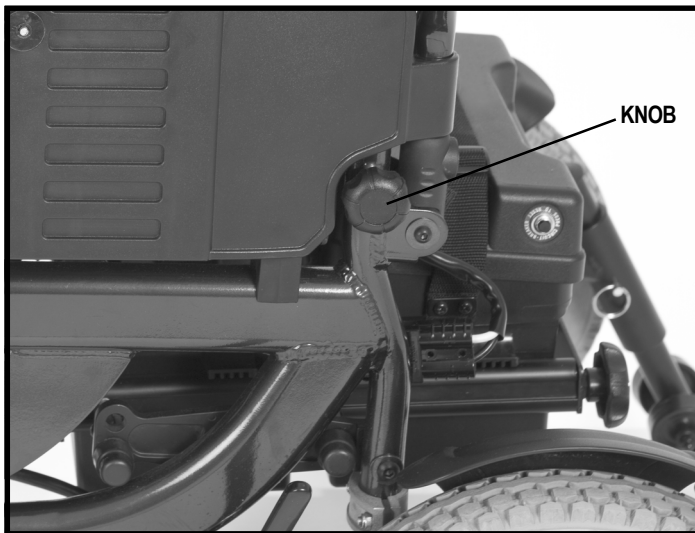


Figure 18. Seatback Installation

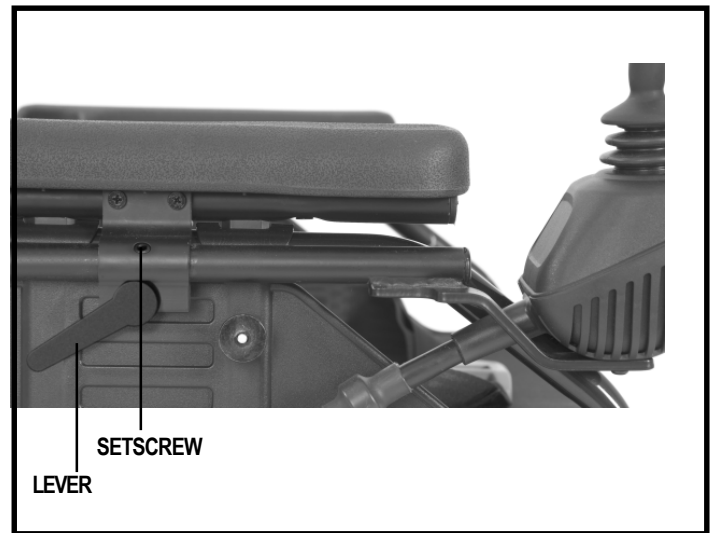


Figure 19. Controller Installation



Figure 20. Leg Rest Installation

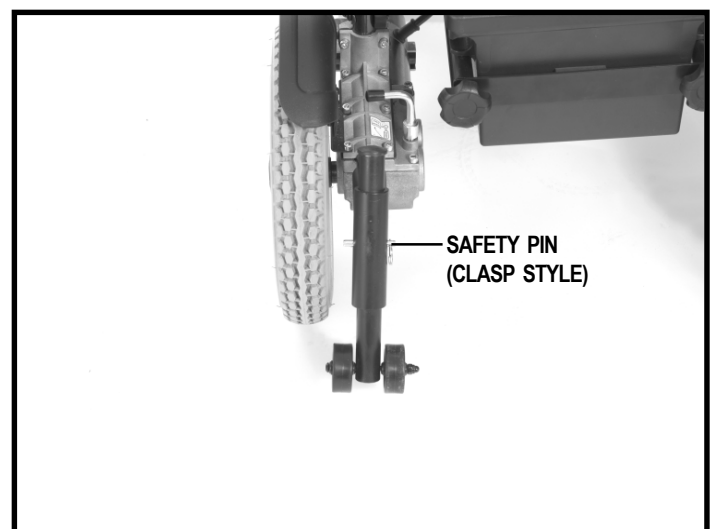


Figure 21. Anti-tip Installation

# IV. ASSEMBLY AND DISASSEMBLY

## DISASSEMBLY

The seatback on your Luxor folds down and the leg rests and seat cushion can be removed for easy transportation or storage.



**WARNING! Pinch/Crush Point Hazard! Do not place objects or appendages in the path of the moving parts.**

### To fold the Luxor:

1. Turn off the power to the controller.
2. Disconnect the controller and battery box wiring connections.
3. Disconnect the battery bar.
4. Remove the battery boxes.
5. Remove the seat cushion.
6. Flip up the foot plates or remove the leg rests.
7. Press the release lever on each back cane and fold the seatback down. See figure 22.
8. Place the power chair in freewheel mode. See figure 10.
9. Grasp the seat base and pull upward to fold the chair. See figure 23.

### To unfold your Luxor:

1. Push down on the seat base.
2. Place the chair in drive mode. See figure 11.
3. Raise the seatback until the canes lock into place.
4. Reinstall the leg rests or flip down the foot plates.
5. Reinstall the seat cushion.
6. Reinstall the battery boxes.
7. Reconnect the battery bar.
8. Reconnect the controller and battery wiring connections.
9. Place the chair in drive mode. See figure 11.

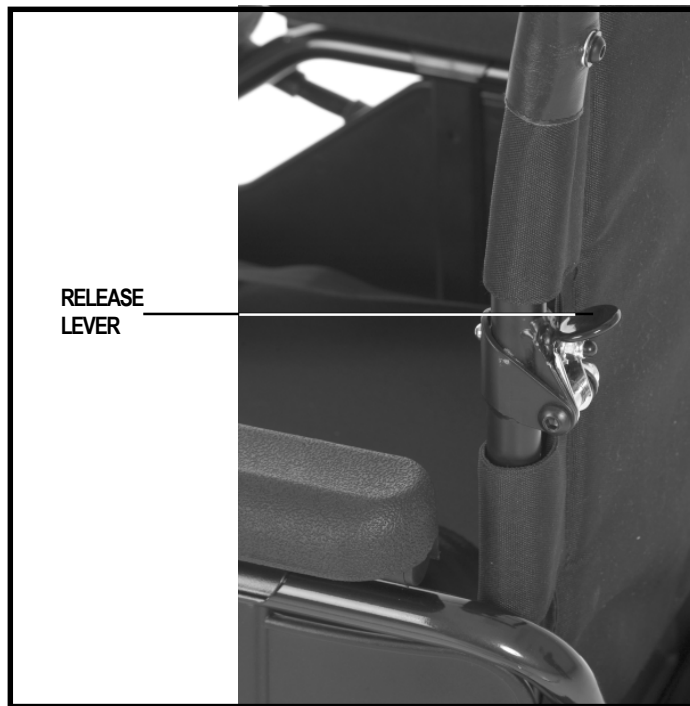


Figure 22. Seatback Release Lever

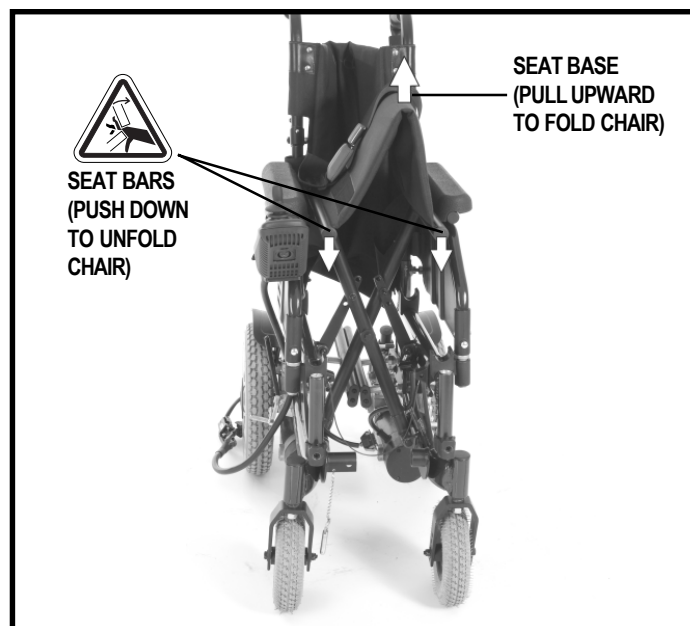


Figure 23. Luxor Folded (Shown with Seatback Unfolded)

# V. COMFORT ADJUSTMENTS

## COMFORT ADJUSTMENTS

After you become accustomed to using your Luxor, you may find the need to make some adjustments to increase your comfort. You can change the armrest height, the swing-away footrest length, and the controller position.

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



***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!** Remove the occupant from the power chair before making any adjustments.*

### Armrest Height Adjustment

You can adjust the armrest height.

#### To change the armrest height:

1. Hold the armrest and pull the pin on the side of the armrest out. See figure 24.
2. With the release pin pulled out, move the armrest up or down to the desired height.
3. Hold the armrest in the desired position, and release the pin.

### Swing-away Leg Rest Length Adjustment

You can change the leg rest length.

#### To change the leg rest length:

1. Loosen the leg rest adjustment screws. See figure 25.
2. Slide the leg rest extension up or down to the desired length.
3. Tighten the adjustment screws.
4. Repeat for the other side.

### Controller Position Adjustment

You may change the position of the controller by sliding it in or out of its bracket.

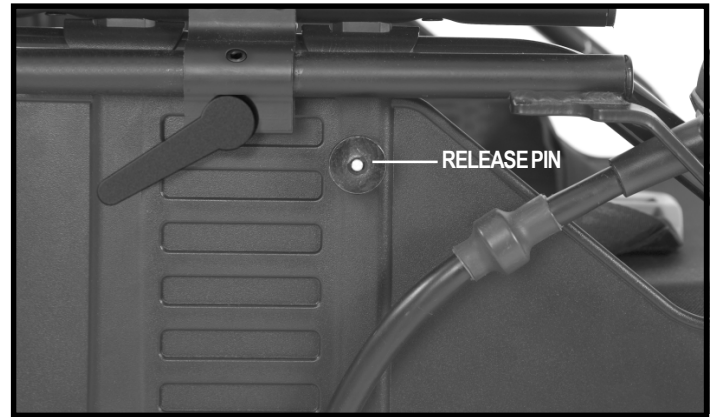


Figure 24. Armrest Height Adjustment

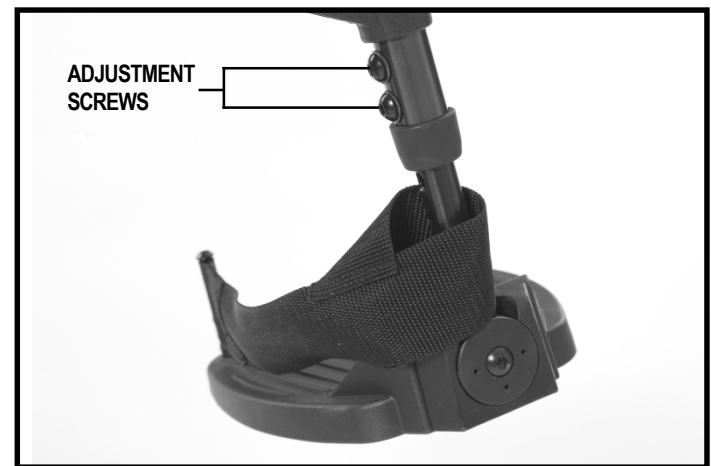


Figure 25. Leg Rest Height Adjustment

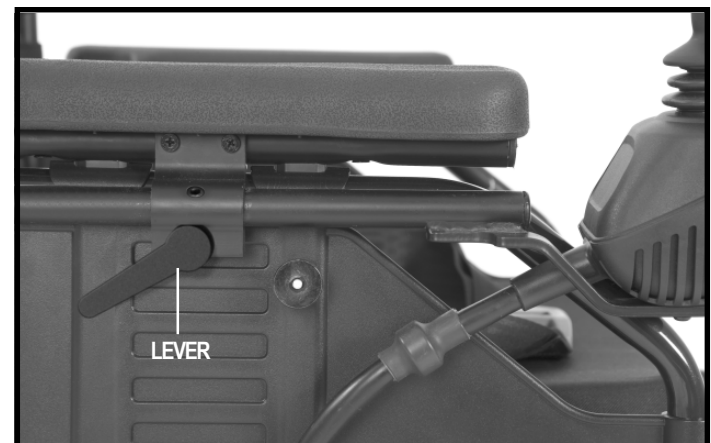


Figure 26. Controller Position Adjustment



# V. COMFORT ADJUSTMENTS

## To change the controller position:

1. Loosen the lever. See figure 26.
2. Slide the controller to the desired position.
3. Tighten the lever.

The controller can be placed on either the right or left side of the power chair.

## Positioning Belt

Your power chair may be equipped with a positioning belt that can be adjusted for operator comfort. See figure 27. The positioning belt is designed to support the operator so that he/she does not slide down or forward in the seat. The positioning belt is not designed for use as a restraining device.



Figure 27. Positioning Belt

## To remove/install the positioning belt:

1. Remove the seatback screws that attach the seat canes to the frame.
2. Cut the tie-wraps that fasten the seatback to the frame.
3. Remove the seat canes.
4. Slip each end of the belt up and over the frame.
5. Reinstall the seatback screws.
6. Install one tie-wrap on each side of the seatback.

## To adjust the positioning belt:

1. When seated, insert the metal tab into the plastic housing on the opposite strap until you hear a click.
2. Pull the strap until it is secure, but not so tight as to cause discomfort.

## To release the positioning belt:

1. Press the push button mechanism on the plastic housing.

*MANDATORY! Make sure the positioning belt is properly secured to the power chair and is adjusted for operator comfort before each use.*



*MANDATORY! Inspect the positioning belt for loose or damaged parts before each use of the power chair. If you discover a problem, contact your authorized Pride Provider for maintenance and repair.*

# VI. BATTERIES AND CHARGING

## BATTERIES AND CHARGING

The Luxor 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. Wear goggles and gloves when handling batteries and wash hands after handling.



**WARNING!** Contact your authorized Pride Provider if you have any questions regarding the batteries in your power chair.



**WARNING!** Always use two batteries of the exact same type, chemistry, and amp-hour (Ah) capacity. Refer to specifications table in this manual and in the manual supplied with the battery charger 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. The battery charging system consists of the battery charger and the charger circuit fuse.



**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.



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



**PROHIBITED!** Do not allow unsupervised children to play near the power chair while the batteries are charging. Pride recommends that you do not charge the batteries while the power chair is occupied.



**MANDATORY!** Read the battery charging instructions in this manual and in the manual supplied with the battery charger before charging the batteries.



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

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

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



**WARNING!** 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!** If the battery charger is equipped with cooling slots, then do not attempt to insert objects through these slots.



**WARNING!** If your 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 freewheel levers are in the drive position. See III. "Your Power Chair."
3. Plug the off-board charger into the off-board charger/programming socket on the controller.
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 supplied by the manufacturer.*

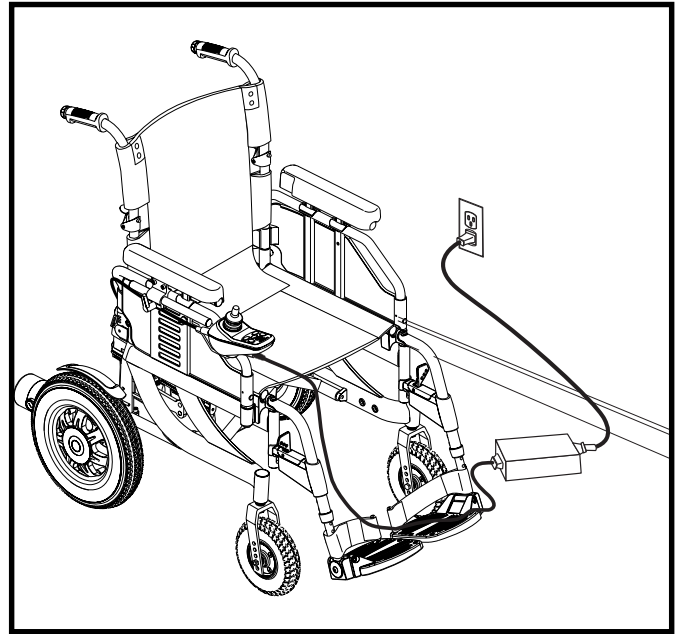


Figure 28. Battery Charging

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

### 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 grounds. Move slowly at first, and do not travel too far until you become accustomed to the controls and break in the batteries.
3. Give the batteries another full charge of 8 to 14 hours and operate 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.

### Frequently Asked Questions (FAQs)

#### How does the charger work?

The battery charger takes the standard electrical outlet voltage of 220v. When the battery voltage is low, the charger works harder to charge the battery. As the battery voltage approaches full charge, the charger doesn't 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.*



## VI. BATTERIES AND CHARGING

### ■ 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. 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 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.***

### 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.

## VI. BATTERIES AND CHARGING

### **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.

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

### **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 transport?**

AGM and Gel-Cell batteries are designed for application in power chairs and other mobility vehicles, allowing safe transport 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.

# VII. CARE AND MAINTENANCE

## CARE AND MAINTENANCE

Your Luxor 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 your 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 your power chair's care or operation, contact your authorized Pride Provider.



*WARNING! 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 or prolonged 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. Power chairs should be examined periodically for signs of corrosion caused by water exposure, bodily fluids exposure, or incontinence. Damaged components should be replaced or treated immediately.*

### Should your power chair come in contact with water:

1. Dry your power chair as thoroughly as possible with a 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 your authorized Pride Provider. Power chairs that are frequently exposed to sources of water, such as incontinence, should be inspected often for corrosion and electronic components may need to be replaced frequently.

### 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° C/18° F and 50° C/122° F.
- In extremely cold temperatures the batteries may freeze. The specific temperature at which they freeze depends on a number of factors, such as battery charge, usage, and composition of the batteries (e.g., AGM or Gel-Cell).
- Temperatures above 50° C/122° F may cause your 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.

### 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 connectors to ensure that they are all tight and secured properly.
- Make sure the pneumatic tyres are inflated to **2,4 bar (35 psi/240 kPa)** if equipped with pneumatic tyres.



*WARNING! Make sure your tyres are inflated to 2,4 bar (35 psi/240 kPa). Do not underinflate or overinflate your tyres. Low pressure may result in loss of control, and overinflated tyres may burst. Overinflating tyres can cause them to explode.*

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

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



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

## VII. CARE AND MAINTENANCE

- 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 battery boxes, with the battery terminals facing the top of the battery box. Refer to the battery wiring label for the correct wiring layout.



*WARNING! Even though the power chair has passed the necessary testing requirements for ingress of liquids, you should keep electrical connections away from sources of dampness, including direct exposure to water or bodily fluids and incontinence. Check electrical components frequently for signs of corrosion and replace as necessary.*

- All wheel bearings are prelubricated and sealed. They require no subsequent lubrication.

### Daily Checks

- With the controller turned off, check the joystick. Make sure it is not bent or damaged and that it returns to the neutral position when you release it. Check the rubber boot around the base of the joystick for damage. Visually inspect the boot. Do not handle or try to repair it. See your authorized Pride Provider if there is a problem.
- Visually inspect the controller cable. Make sure that it is not frayed, cut, or has any wires exposed. See your authorized Pride Provider if there is a problem.
- Check for flat spots on solid tyres. Flat spots could adversely affect stability.
- Inspect the armrests for loose hardware, stress points, or damage. See your authorized Pride Provider if there is a problem.

### Weekly Checks

- Disconnect and inspect the controller from the power base. 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 tyre inflation. There should be **2,4 bar (35 psi/240 kPa)** in each tyre. If a tyre does not hold air, see your 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 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 rearward, then left and then right.

### Monthly Checks

- Check for drive tyre wear. See your authorized Pride Provider for repair.
- Check the caster wheels for wear. Replace them as necessary.
- Check the caster forks for damage or fluttering which indicates that they may need to be adjusted or have the bearings replaced. See your 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 your authorized Pride Provider for yearly maintenance, especially if you use your power chair on a regular basis. This helps ensure that your power chair is functioning properly and helps prevent future complications.

# VII. CARE AND MAINTENANCE

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

Batteries that are regularly and deeply discharged, infrequently charged, stored in extreme temperatures, or stored without a full charge may be permanently damaged, causing unreliable performance and limited service life. It is recommended that you charge the batteries periodically throughout periods of prolonged storage to ensure proper performance.

You may wish to place several boards under the frame of your power chair to raise it off of the ground during periods of prolonged storage. This takes the weight off the tyres and reduces the possibility of flat spots developing on the areas of the tyres contacting the ground.

## Disposal of Your Power Chair

Your power chair must be disposed of according to applicable local and national statutory regulations. Contact your local waste disposal agency or authorized Pride Provider for information on proper disposal of power chair packaging, metal frame components, plastic components, electronics, and batteries.

## Cleaning and Disinfection

- Use a damp cloth and mild, non-abrasive cleanser to clean the plastic and metal parts of your power chair. Avoid using products that may scratch the surface of your power chair.
- If necessary, clean your product with an approved disinfectant. Make sure the disinfectant is safe for use on your product before application.

*WARNING! Follow all safety instructions for the proper use of the disinfectant and/or cleaning agent before applying it to your product. Failure to comply may result in skin irritation or premature deterioration of upholstery and/or power chair finishes.*



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

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

## Wheel Replacement

If your chair is equipped with a solid tyre insert, then you must replace the entire wheel assembly. Replacement wheel assemblies are readily available through your authorized Pride Provider.

*WARNING! The wheels on your power chair should only be serviced or replaced by an authorized Pride Provider or a qualified technician.*



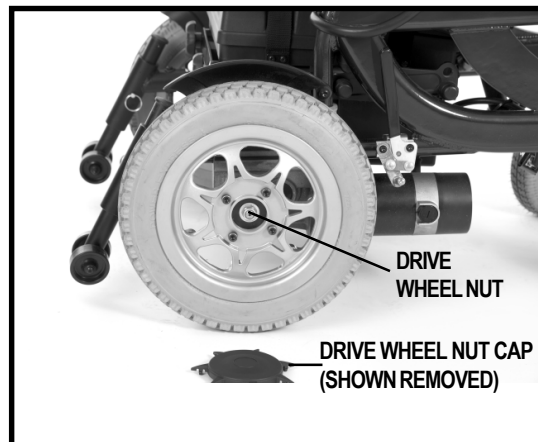
*WARNING! Be sure that the power to the controller is turned off and the power chair is not in freewheel mode before performing this procedure.*

*WARNING! When changing a tyre, remove only the center lug nut and washer, then remove the wheel. If any further disassembly is required, deflate the tyre completely or it may explode.*

## VII. CARE AND MAINTENANCE

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

1. Turn off the power to the controller.
2. Set the power chair up on blocks.
3. Remove the drive wheel nut cap.
4. Remove the drive wheel nut and washer from the axle. See figure 29.
5. Pull the wheel off the axle.
6. Replace the entire assembly if it is a solid tyre. Make sure that the key is in the axle slot.
7. Reinstall the drive wheel nut and washer onto the axle and tighten.
8. Reinstall the drive wheel nut cap.
9. Remove the power chair from the blocks.



**Figure 29. Drive Wheel Removal**

### Battery Replacement

A battery wiring diagram is printed on a decal located on the rear battery box. See VI. “Batteries and Charging” for correct battery specifications.



*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! Do not replace battery when seat is occupied.*

*WARNING! The batteries on your power chair should only be serviced or replaced by an authorized Pride Provider or a qualified technician.*

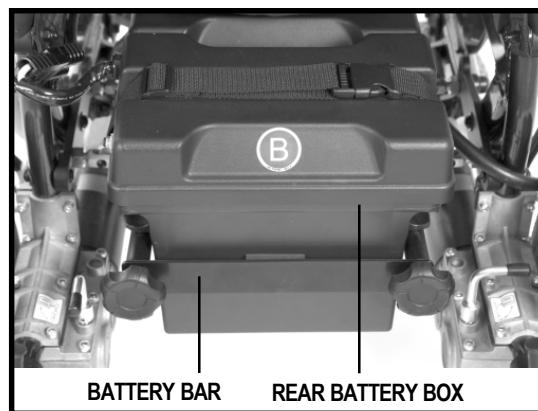


*WARNING! Power chair batteries are heavy. See specifications table. If you are unable to lift that much weight, be sure to get help. Use proper lifting techniques and avoid lifting beyond your capacity.*

*WARNING! 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 the specifications table in this manual and 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. Make sure that the power chair is in drive mode. See III. “Your Power Chair.”
3. Disconnect the controller from the motors. See figure 7.
4. Disconnect the rear battery box from the front battery box. See figure 8.
5. Remove the battery bar. See figure 30.
6. Remove the rear battery box. See figure 30.
7. Remove the front battery box.
8. Unfasten the straps from both battery boxes.
9. Lift the battery box lid off of each battery box.
10. Remove the batteries.
11. Install new batteries.
12. Connect the battery harnesses to the front and rear batteries according to the battery wiring diagram. See figure 31.



**Figure 30. Rear Battery Box**



## VII. CARE AND MAINTENANCE



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

13. Place the lid back onto each battery box.
14. Refasten the straps on each battery box.
15. Slide the batteries back into the power base.
16. Reconnect the battery boxes.
17. Reconnect the controller. Make sure that the “A” on the front battery box faces the front of the power chair and the “B” on the rear battery box faces the rear of the power chair. The main circuit breaker on the rear battery box should be on the left side.
18. Charge the batteries. See VI. “Batteries and Charging.”

### 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.

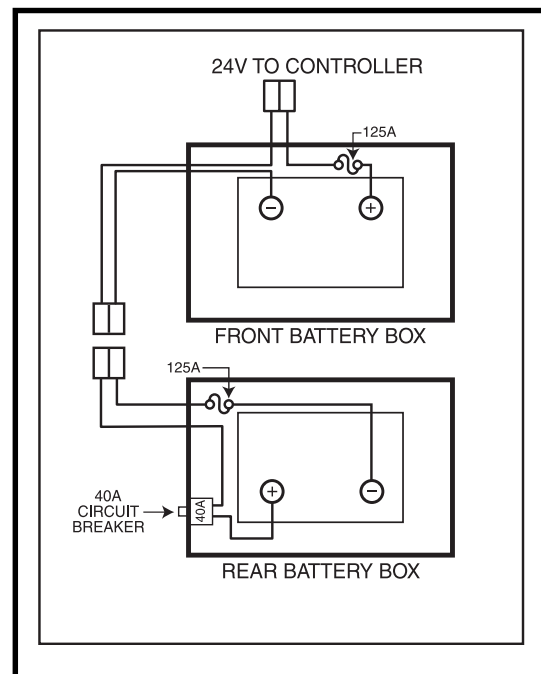
- Motor noise
- Frayed harnesses
- Cracked or broken connectors
- Uneven wear on any of the tyres
- Jerky motion
- Pulling to one side
- Bent or broken wheel assemblies
- Does not power up
- Powers up, but does not move

### Corrective Maintenance

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

- Check the harness connections. Make sure they are tight.
- Check the circuit breaker. Reset it if necessary.
- Check the battery connections.

If the above conditions prove normal, you can load test the batteries with a battery load tester. These testers are available at automotive parts stores. Disconnect both batteries before load testing and follow the directions that come with the load tester. If either one of the batteries fails the load test, replace both of them. If your power chair still does not power up, contact your authorized Pride Provider.



**Figure 31. Battery Wiring Diagram**

## VIII. WARRANTY

### *LIFETIME LIMITED WARRANTY*

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

### *TWO-YEAR LIMITED WARRANTY*

Drivetrain, including: differential, motor, and brake.

### *ONE-YEAR LIMITED WARRANTY*

Your Pride Power Chair is fully guaranteed for twelve (12) months from the date of purchase against faults arising due to defects in manufacture or materials. This warranty does not detract from, but is in addition to your legal rights.

All electronic parts, including controllers and battery chargers, have a one (1) year warranty. Servicing to the controller or battery charger must be carried out by your authorized Pride Provider. Any attempt to open or dismantle these items renders the guarantee void on that item.

### *NOT COVERED UNDER WARRANTY*

This guarantee does not extend to those items which may need replacement due to normal wear and tear (tyres, belts, bulbs, upholstery, plastic shrouds, motor brushes, fuses, and batteries), or damage to the product caused by misuse or accident for which Pride or its agent cannot be held responsible. This warranty does not include labor or service calls.

### *BATTERIES*

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

Gradual deterioration in performance due to being left in a discharged state, left in cold conditions for long periods of time, or worn out through heavy use is not covered.

### *SERVICE CHECKS AND WARRANTY SERVICE*

Warranty service can be performed by your authorized Pride Provider. Please contact your authorized Pride Provider for advice on the current cost affecting the service visit.

### *REPLACEMENT UNITS*

The availability of replacement units is subject to the discretion of the provider, not the manufacturer. For more information regarding replacement units, contact your authorized Pride Provider.



# APPENDIX I: SPECIFICATIONS

LUXOR SPECIFICATIONS	
Class of Use:	B
Drive Wheels:	31,75 cm, solid
Front Caster Wheels:	19,69 cm, solid
Anti-tip Wheels:	5 cm, solid
Maximum Speed: <sup>1</sup>	Up to 6 km/h
Brakes:	“Intelligent Braking” electronic regenerative, disc park brake
Ground Clearance: <sup>2</sup>	See figure 32.
Maximum Safe Slope:	8,7% (5°)
Maximum Climbing Ability:	8,7% (5°)
Maximum Obstacle Climbing Ability:	5 cm
Turning Radius: <sup>2</sup>	See figure 32.
Overall Size: <sup>2</sup>	Length: See figure 32. Width: See figure 32.
Drivetrain:	Two motor, rear-wheel drive
Batteries: <sup>3</sup>	Two 12-volt, U-1 batteries
Range: <sup>1</sup>	Up to 9,7 km
Battery Charger:	5-amp off-board
Weight Capacity:	113 kg
Component Weights:	Base: 44,91 kg ( <i>without batteries</i> ) Batteries: 12,93 kg each

<sup>1</sup> Varies with base model, user weight, terrain type, battery amp hour rating (Ah), battery charge, battery condition, motors, controller type, tyre type, and tyre condition. This specification can be subject to a variance of (+ or -) 10%.

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

<sup>3</sup> AGM or Gel-Cell type required. See VI. “Batteries and Charging.”

**NOTE:** All specifications subject to change without notice.

# APPENDIX I: SPECIFICATIONS

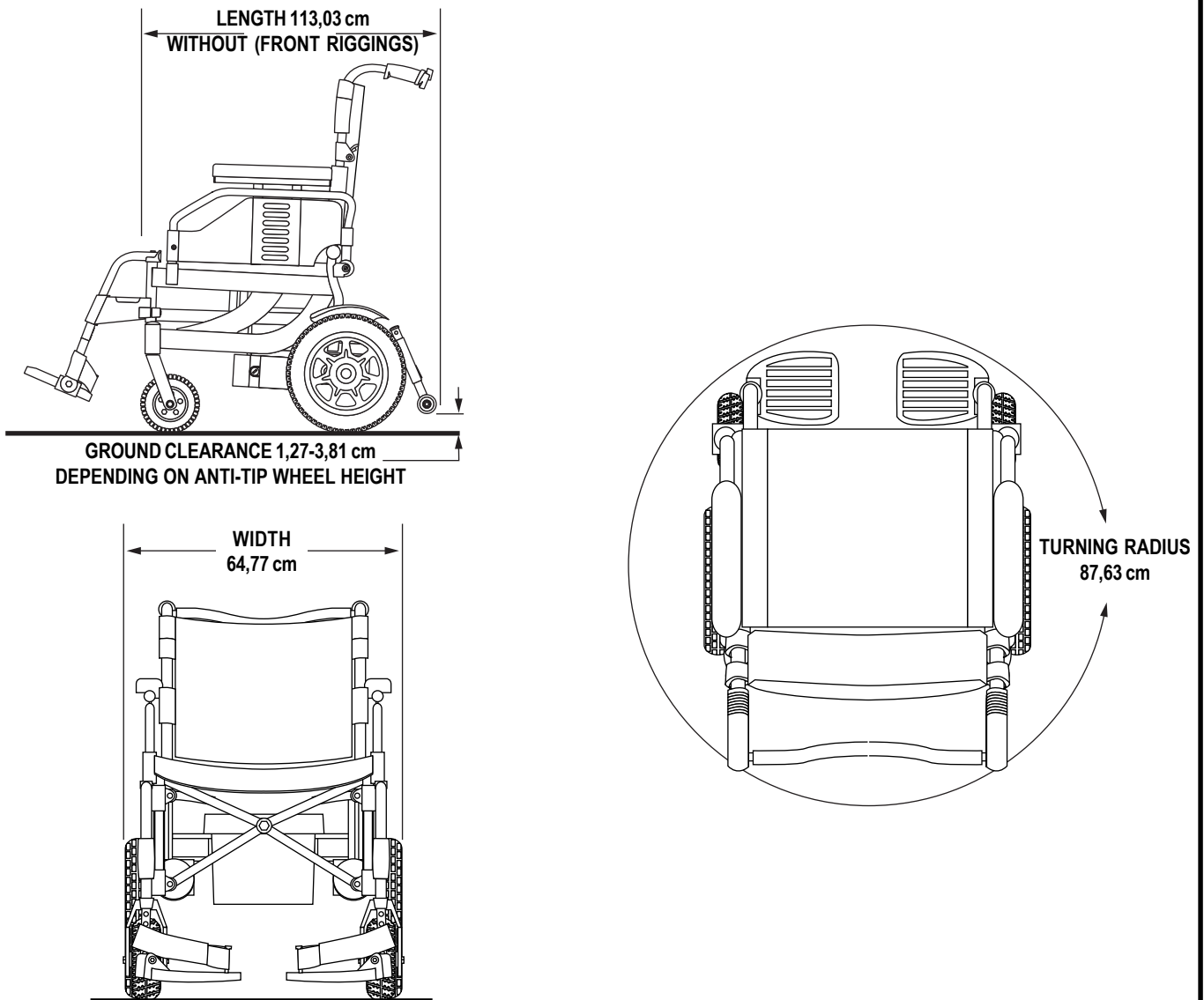


Figure 32. Luxor Dimensions and Ground Clearance



## Quality Control - Luxor

☐ 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 NFMANU3534 \*

\_\_\_\_\_  
Product Serial #