Owner's Manual
(Must Be Given to User)

Set Your Own Pace!
READ this entire Owner's Manual BEFORE
you operate your new power wheelchair!
"SPECIAL OPTION" WARNINGS

WARNING: To make adjustments while sitting in the Scout, you must be secured by wearing your lap belt to prevent you from falling forward.

TO ADJUST FRONT ANTI-TIP WHEEL HEIGHT
Turn thumbscrews clockwise to maximum height position. Then lower wheel arm by turning thumbscrews counterclockwise. Count the number of turns as you lower each side to have equal wheel height on both sides. Remember, the lower the anti-tip wheel the better the front stability when stopping as you go down an incline.

EXPLANATION OF INTERNATIONAL SYMBOLS USED WITH THIS EQUIPMENT

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<td>INFORMATIONAL - ON - OFF</td>
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<tr>
<td>OFF</td>
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</tr>
<tr>
<td>⚠️</td>
<td>INFORMATIONAL - READ MANUAL - CAN BE ASSOCIATED WITH WARNINGS</td>
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<tr>
<td>⚠️</td>
<td>INFORMATIONAL - REA D MANUAL - CAN BE ASSOCIATED WITH WARNINGS</td>
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<tr>
<td>✗</td>
<td>INFORMATIONAL - DO NOT OPEN CONTROLLER BOX</td>
</tr>
<tr>
<td>🔥</td>
<td>ELECTRICAL - MAINS SWITCH/ CIRCUIT BREAKER</td>
</tr>
<tr>
<td>🔥</td>
<td>ELECTRICAL - PERSONAL SHOCK HAZARD</td>
</tr>
<tr>
<td>📦</td>
<td>ELECTRICAL - BATTERY - OBSERVE POLARITY</td>
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<tr>
<td>🌌</td>
<td>ELECTRICAL - MOTOR</td>
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<td>🛠️</td>
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THIS MANUAL COVERS THE OPERATION OF YOUR NEW *PaceSaver®* POWER WHEELCHAIR. BE SURE AND FIND THE INFORMATION THAT PERTAINS TO YOUR NEEDS BEFORE OPERATING.

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Introduction

PaceSaver Scout Boss 4.5, RF-P3 & RF-P4 Owners Manual

Congratulations on your choice of a power wheelchair! It is a dependable vehicle built for power and performance. Its easy to operate controls give you more of what you are looking for in a wheelchair.

But it is important that you understand what your power wheelchair is, and what it is not. Our power wheelchairs (like all power wheelchairs) are designed to provide safe, reliable transportation to older or moderately physically disabled individuals who have difficulty in getting around. It will safely take you everywhere the specifications indicate as long as you follow the simple safety guidelines shown on the next few pages.

The power wheelchair is not an all terrain vehicle that you can use out in the fields to drag brush around or climb steep hills. It was not meant to go hunting in, or transport you thru hazardous environments. It also was not designed for the severely handicapped individual who should not be in a power wheelchair. You must have good stability, motor control and above all else, good common sense to use our wheelchair, or any other brand. If you feel that you cannot safely operate this vehicle at all times, you should not use this power wheelchair!

Important

Please read the entire manual carefully before attempting to drive your new power wheelchair.

Remember to read all service recommendations outlined in this manual to achieve trouble free, safe and enjoyable operation of your power wheelchair. Failure to follow the recommended service procedures will damage your power wheelchair and such damage is not covered under warranty. Contact your dealer if you have questions after reading this manual.

Leisure-Lift specifically disclaims responsibility for any bodily injuries or property damage which may occur during or because of improper use or any use which does not comply with applicable Federal, State, or Local laws and ordinances or methods recommended in this manual. If in doubt about your ability to operate your power wheelchair, consult your doctor.
NOTE: MODIFYING AND/OR TAMPERING IN ANY UNAUTHORIZED MANNER WITH THE POWER WHEELCHAIR WILL VOID THE WARRANTY AND MAY CAUSE THE WHEELCHAIR TO MALFUNCTION, EXPOSING YOU TO PHYSICAL HARM.

ATTENTION: This manual contains specific information about your power wheelchair. While some of the information is the same for all power wheelchairs, make sure that you follow the specifications and directions that apply to your powerchair. If you are unsure of the style powerchair you have, contact your dealer.

Your powerchair is a vehicle which provides independence and freedom to people with limited mobility. Driver error can cause injury to the driver and to other people. Please use common sense, courtesy, and obey the following guidelines for vehicle operation.

READ THIS ENTIRE MANUAL BEFORE DRIVING THIS VEHICLE.

Safety Guidelines

Always turn the power switch to the OFF position when stopped or when getting off or on the power wheelchair. This keeps you from accidentally hitting the throttle and causing an accident. For persons with limited lower body strength, or persons who make slide transfers and may forget to turn the power switch off, we recommend special caution.

DO NOT operate the unit if it behaves erratically, or shows abnormal response, heating, smoking or arcing. Turn the system off at once and call your dealer for service.

Use extra caution when riding your power wheelchair off of the pavement or on rough, soft or uneven surfaces due to risk of tipping and injury. Refer to the maximum incline rating on the specification chart.

Do not exceed the incline specifications for your power wheelchair or it will become unstable and tipping will result. Persons with limited ability to protect themselves (like persons paralyzed on one side) should use protective equipment such as bicycle headgear. The specification chart in your manual will indicate the maximum incline for your particular style power wheelchair.

Keep your feet on the footrests while riding the power wheelchair to avoid hitting them on objects as you drive. Always wear shoes while operating your power wheelchair.

Always wear your lap belt when riding your power wheelchair.

Secure the removable seat assembly before operating the power wheelchair to prevent yourself from falling from the seat while moving.

Remember, The power wheelchair is built to carry a single person. Do not carry passengers under any circumstances or accidents and bodily injury might occur.

Ensure driving surface, ramp, platform lift or elevator is capable of supporting combined weight of user and wheelchair.

Always go straight up or down curb cuts. You want the front wheels and the rear wheels to climb up or go down together, not one at a time. Not doing this will result in the power wheelchair violently swinging from side to side (as a car would in a ditch) or the power wheelchair overturning. Also approach curb access ramps the same way, straight on, not at an angle. NEVER attempt to go up or down a regular height curb or tipping and personal injury will result!
Safety Guidelines

**Warning** Driving the power wheelchair in busy streets, busy parking lots, or in crowded shopping malls can be dangerous for you or other people as you may be struck by a vehicle or you might strike a pedestrian. Use caution in congested areas at all times.

**Lean forward** a slight amount when traveling up an incline.

**NEVER** leave your power wheelchair exposed to the elements. This includes storage outside or carrying the power wheelchair on an outside car-lift during periods of high moisture (mist, rain, snow, etc.) or any other inclement weather (dust or sand storms, etc.). Use only a damp rag to clean your power wheelchair (never use solvents or abrasive cleaners). The use of excessive water, as from a garden hose or bucket may cause damage to your power wheelchairs electronics.

**Use caution** when driving off even a small curb or raised surface. The act of dropping off the edge subjects the power wheelchair to extreme forces that can damage the frame and other components. This type of damage is not covered under warranty.

**Disconnect the batteries** before performing any maintenance. This avoids the possibility of injuries due to shock. Make sure that the batteries are reconnected and secured before using the power wheelchair.

**Follow the directions** of your doctor and/or pharmacist at all times. Do not drive the power wheelchair while taking medications that affect your reflexes or judgment, as your driving will be impaired and accidents may result. Do not drink alcohol or use any other stimulants while operating this or any other vehicle.

The following are important things to help you drive the power wheelchair in the safest possible manner. Please take note of each and every one.

**WARNING: DO NOT** engage in the following activities with your power wheelchair or serious personal injury may result.

**DO NOT** ride the power wheelchair with the brake disengaged at anytime.

**DO NOT** drive the power wheelchair diagonally across inclines, turn sharp on an incline or make turns at or near full throttle at any time. Doing this will result in the power wheelchair losing traction and control which can result in tipping and possibly serious injuries.

**DO NOT** drive the power wheelchair with the seat assembly higher than necessary as tipping and serious injury may result. The lower the seat, the better your stability.

**DO NOT** drive the power wheelchair with under-inflated tires as this increases the possibility of tipping and injury. Your stability and efficiency (power and range) are also greatly affected.

**DO NOT** remain seated on your power wheelchair while it is being loaded into a vehicle using anything other than a special wheelchair lift, or personal injury may result.

**DO NOT** ride on soft, uneven surfaces as this can cause lose of traction and control causing tipping and that may result in serious injury.

**DO NOT** stop on any incline to rest or dismount. Although the electric brake will stop and hold you, it is best to stop in level, flat areas where there is no possibility of rolling, or tipping the unit or having the occupant fall out.
**Leisure-Lift® POWER WHEELCHAIR TIE DOWN INFORMATION**

**WARNING:** Do not engage in the following activities with your power wheelchair or serious injury may result.

**Do not** remain seated on your power wheelchair while it is being loaded into a vehicle using anything other than a special wheelchair lift.

Riding on a platform lift is dangerous. Failure to check weight capacity, turn off controller, have the required precise driving control capability or have the wheelchair properly maintained could result in serious injury or death.

**Do not** use the power wheelchair as a seat in a moving vehicle. As of this date, the Department of Transportation has not approved any tie down system for transportation of a user while in a power wheelchair in a moving vehicle of any type. The rider must be seated in a regular automotive seat and restrained by an approved automobile safety belt. The rider must be warned that there is a many times greater likelihood of severe injury or death in the event of an accident if they are not in the provided automotive seat and restraint system. The following attachment points are provided for the sole purpose of securing the mobility device without the rider. The power wheelchair and batteries MUST be independently and properly restrained or stored in a separate compartment so as to prevent it from causing injury in an accident.

**CONVENIENT TIE DOWN POINTS**

The following is a list of convenient locations that the straps from a 4 point securement system could be anchored on PaceSaver products. These products have not been crash tested and certified as crash worthy using these locations.

**POWER WHEELCHAIRS**

**SCOUT, SCOUT RF, SCOUT RF 4, BOSS, BOSS 4.5, BOSS 6NS, SCOUT RF-P3, P4 AND SCOUT EXPLORER**

Back anchor points - Place a strap around the lower portion of each armrest support.

Front anchor points - Place a strap around each anti-tip wheel support arm just above the small anti-tip wheel.

**DO NOT** drive up, down or across inclines greater than the rating for your style power wheelchair or tipping will result. Refer to the Specification Sheet (Please Note: Soft surfaces reduce the incline capability by more than 50%). Wet or slick surfaces reduce steering and braking controls tremendously. Use extreme caution in these circumstances.

**DO NOT** travel down ramps at high speed. Doing so will reduce traction and increase stopping distance.
Safety Guidelines

DO NOT allow the power wheelchair controls to become wet. Never wash off the power wheelchair using a hose or a stream of water, drive through standing water or ride in the rain. Possible loss of control and/or electronic damage will occur. Do not attempt to ride a power wheelchair that has been soaked until it has had a chance to dry thoroughly.

DO NOT leave the power wheelchair where it is exposed to high temperatures (a car trunk, etc.) or to poor weather conditions such as rain or snow or freezing conditions as damage to the unit will occur.

DO NOT disassemble any wheel at any time while still inflated. The pressure may blow wheel rims apart while you are loosening them.

DO NOT ride the unit near platforms, stairs, ledges, curbs or in any other potentially dangerous situation as serious injury can result.

DO NOT ride the power wheelchair over power cords, oxygen lines, hoses or any other material that could become entangled in the wheels or get caught in the drive mechanism of the power wheelchair or while connected to equipment off of the power wheelchair.

DO NOT attempt to reach objects if you have to move forward in the seat.

DO NOT attempt to reach objects if you have to pick them up from the floor by reaching down between your knees.

DO NOT lean over the top of the seat back to reach objects from behind as this may cause the power wheelchair to tip over or cause you to fall out.

DO NOT shift your weight or sitting position toward the direction you are reaching as the power wheelchair may tip over.

DO NOT tilt the power wheelchair without assistance.

DO NOT use an escalator to move a power wheelchair between floors. Serious bodily injury may occur.

ALWAYS turn the power wheelchair power OFF and engage the motor locks/clutches to prevent the wheels from moving BEFORE attempting to transfer in or out of the power wheelchair. Also make sure every precaution is taken to reduce the gap distance.

DO NOT engage or disengage the motor locks/clutches until the power is in the OFF position.

DO NOT operate on roads, streets or highways.

DO NOT climb, go up or down hard surface ramps greater than allowed in specifications. Use special caution on soft surfaces as they greatly reduce incline rating. See specifications for your power wheelchair.

DO NOT attempt to move up or down an incline with a water, ice or oil film or loss of control & braking will result.

DO NOT attempt to drive over curbs or obstacles greater than maximum climbing capability shown in specifications. Doing so may cause your power wheelchair to turn over and cause bodily harm or damage to the power wheelchair.
DO NOT use unauthorized parts, accessories, or adapters other than those authorized by Leisure-Lift.

DO NOT attempt to lift the power wheelchair by lifting on any removable (detachable) parts. Lifting by means of any removable (detachable) parts of a power wheelchair may result in injury to the user or damage to the power wheelchair.

DO NOT stand on the frame of the power wheelchair.

DO NOT use the footplate as a platform. When getting in or out of the power wheelchair, make sure that the footplate are in the upward position or swing footrests towards the outside of the power wheelchair. See - Getting On and Off the Power Wheelchair.

We realize that many bariatric persons cannot do a side transfer or raise their legs to raise and lower the footplate. If and only if you must step on the footplate for entering or exiting the power wheelchair, you must follow these instructions. Your power wheelchair is equipped with a patented infinitely adjustable rigid anti-tip system (see figure 1 under Battery Removal Section). When both of the front anti-tip wheels are lowered to contact the floor, you can step on the platform without tipping the chair forward. After entry the wheels must be raised to adjust to the driving environment - 1/4” for flat floors and up to 2” for outdoor terrain. Always keep the adjustment as low as possible for your driving area. Warning: Failure to lower the anti-tip wheels for entry and exit will result in the chair tipping forward when you stand on the footplate which can cause you to fall and result in possible serious injury. Warning: As with any power wheelchair part should the anti-tip assembly become damaged, discontinue use immediately and contact your dealer for service. Warning: Always keep anti-tip wheels at the same height from floor to prevent tipping to side.

ALWAYS wear your lap belt.

ELECTRICAL

EXTREME care should be exercised when using oxygen in close proximity to electric circuits. Contact your oxygen supplier for instruction in the use of oxygen.

Grounding instructions:
DO NOT, under any circumstances, cut or remove the round grounding prong from any plug used with or for Leisure-Lift products. Some devices are equipped with three-prong (grounding) plus for protection against possible shock hazards. Where a two-prong wall receptacle is encountered, it is the personal responsibility and obligation of the customer to contact a qualified electrician and have the two-prong receptacle replaced with a properly grounded three-prong wall receptacle in accordance with the National Electrical Code. If you must use an extension cord, use ONLY a three-wire extension cord having the same or higher electrical rating as the device being connected. In addition, Leisure-Lift has placed RED/ORANGE WARNING TAGS on some equipment. DO NOT remove these tags. Carefully read battery/battery charger information prior to installing, servicing or operating your wheelchair.

RAIN & MOISTURE

LEISURE-LIFT has established the following rules for dealing with moisture.
Safety Guidelines

End user or their attendant should allow sufficient time to remove his/her power wheelchair prior to a rain storm or inclement weather to retain wheelchair operation.

**DO NOT** leave your power wheelchair in a rain storm of any kind.

**DO NOT** use your power wheelchair in a shower or leave it in a damp bathroom while taking a shower.

**DO NOT** leave your power wheelchair in a damp area for any length of time. Direct exposure to rain or dampness will cause the wheelchair to malfunction electrically and mechanically; may cause the wheelchair to prematurely rust.

Check to ensure that the batteries are secured in place, the joystick boot is NOT torn or cracked where water can enter and that all electrical connections are secure at all times.

**DO NOT** use the joystick if the boot is torn or cracked. If the joystick boot becomes torn or cracked, replace IMMEDIATELY.

**WEIGHT TRAINING**

Leisure-Lift DOES NOT recommend the use of its power wheelchair as a weight training apparatus. Power wheelchairs have NOT been designed or tested as a seat for any kind of weight training. If occupant uses said wheelchair as a weight training apparatus, Leisure-Lift shall NOT be liable for bodily injury and the warranty will be voided immediately.

**SAFETY/HANDLING OF POWER WHEELCHAIRS**

“Safety and Handling” of the wheelchair requires the close attention of the wheelchair user as well as the assistant. This manual points out the most common procedures and techniques involved in the safe operation and maintenance of the wheelchair. It is important to practice and master these safe techniques until you are comfortable in maneuvering around the frequently encountered architectural barriers.

Use this information only as a “basic” guide. The techniques that are discussed on the following pages have been used successfully my many.

Individual wheelchair users often develop skills to deal with daily living activities that may differ from those described in this manual. Leisure-Lift recognized and encourages each individual to try what works best for him/her in overcoming architectural obstacles that they may encounter. Techniques in this manual are a starting point for new wheelchair users and assistants with “safety” as the most important consideration for all.

**STABILITY AND BALANCE**

**WARNING**
Always wear your lap belt.
To assure stability and proper operation of your wheelchair, you must at all times maintain proper balance. Your wheelchair has been designed to remain upright and stable during normal daily activities as long as you do not move beyond the center of gravity. The anti-tip wheels are normally positioned approximately two inches off the ground (with a rider in the chair) but may be adjusted in height downward by your dealer. Because your power wheelchair is a "midi" (3/4) drive chair the anti-tip wheels are normally only used when braking going forward down a steep incline. Reducing this setting causes the powerchair to tilt forward at a lesser angle before resting on the anti-tip wheels if you decelerate rapidly while going down a hill.
The normal adjustment should allow the power wheelchair to climb a two inch obstacle. **DO NOT** lean forward out of the wheelchair any further than the length of the armrests.

**STAIRWAYS - WARNING**

**DO NOT** attempt to move an occupied power wheelchair between floors using a stairway or escalator. Use an elevator to move an occupied power wheelchair between floors. If moving a power wheelchair between floors by means of a stairway, the occupant **MUST** be removed and transported independently of the power wheelchair. Again, **DO NOT** use an escalator to move a wheelchair between floors. Serious bodily injury may occur.

Extreme caution is advised when it is necessary to move an UNOCCUPIED power wheelchair up or down the stairs. Leisure-Lift recommends disassembling your wheelchair into smaller, more manageable components to keep from personal injury. Lifting by means of any removable (detachable) parts of a wheelchair may result in injury to the user or damage to the wheelchair.

Follow this procedure for moving wheelchair between floors when an elevator is **NOT** available:

**ESCALATORS - WARNING**

**DO NOT** use an escalator to move a wheelchair between floors. Serious bodily injury may occur.

**TRANSFERRING TO/FROM OTHER SEATS**

**WARNING**

ALWAYS turn the wheelchair power **OFF** and engage the motor locks/clutches to prevent the wheels from moving **BEFORE** attempting to transfer in or out of the wheelchair. Also make sure every precaution is taken to reduce the gap distance. Always have an attendant or healthcare professional present while learning to properly transfer yourself.

**CAUTION**

When transferring, position yourself as far back as possible in the seat. This will prevent damaging the upholstery and the possibility of the wheelchair tipping forward. See section Getting On and Off the Power Wheelchair.

**PERCENTAGE OF WEIGHT DISTRIBUTION**

**WARNING**

**DO NOT** attempt to reach objects if you have to move forward in the seat or pick them up from the floor by reaching down between your knees.

Many activities require the wheelchair user to reach, bend and transfer in and out of the wheelchair. These movements will cause a change to normal balance, center of gravity, and weight distribution of the wheelchair. To determine and establish your particular safety limits, practice bending, reaching and transferring activities in several combinations in the presence of a qualified health professional **BEFORE** attempting active use of the wheelchair. Remember... Keep your lap belt on at all times.

Never roll backward down an incline as caster rotation reduces rearward stability.

**REACHING, LEANING, BENDING AND BENDING - FORWARD**
Position the rear casters so that they are extended as far rearward as possible and engage motor locks/clutches. DO NOT LEAN FORWARD OF THE ARMRESTS.

**REACHING, BENDING - BACKWARDS**

**WARNING** DO NOT lean over the top of the back upholstery. This will change your center of gravity and may cause you to tip over. Position wheelchair as close as possible to the desired object. Point rear casters rearward to create the longest possible wheelbase. Reach back only as far as your arm will extend without changing your sitting position.

**WARNING:** For units with the optional Power Seat, only drive the wheelchair when the power seat is in the lowest position to avoid tipping and serious injury. If you are unable to follow this instruction, consult your dealer for alternatives.

Persons having disabilities which limit their ability to remain erect without assistance, (stroke patients, severe muscular diseases, etc.) should carefully evaluate whether they should operate a wheelchair at all. If they decide, with the advise of their physician or another advisor, that they are capable of safely operating a wheelchair, they should consider the use of a bicycle helmet or pads when operating a wheelchair. These articles would help protect them should they find themselves in a hazardous situation where they could tip over or fall because of their lack of balance.

**DIFFERENT STYLES OF POWER WHEELCHAIRS HAVE DIFFERENT INCLINE CLIMBING ABILITIES. CAREFULLY STUDY THE CHART TO SEE THE CORRECT SPECIFICATIONS FOR YOUR UNIT. DO NOT EXCEED THE SPECIFICATIONS OF THE POWER WHEELCHAIR STYLE YOU PURCHASED!**
## Specifications

<table>
<thead>
<tr>
<th></th>
<th>Scout Boss 4.5</th>
<th>Scout RF</th>
<th>Scout RF-P3 &amp; P4</th>
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</thead>
<tbody>
<tr>
<td>Seat Width Range: (optional up to 30&quot;)</td>
<td>18&quot; - 24&quot;</td>
<td>18&quot; - 24&quot;</td>
<td>18&quot; - 24&quot;</td>
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<td>18&quot; - 21&quot;</td>
<td>18&quot; - 21&quot;</td>
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<td>Seat-to-Floor: (compressed foam) (18&quot; Admiral)</td>
<td>19.75&quot; - 22.75&quot;</td>
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<td>19.50&quot; - 22.50&quot;</td>
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<td>Seat-to-Footrest: (compressed foam) (18&quot; Admiral)</td>
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<td>15.50&quot; - 19.50&quot;</td>
<td>15.50&quot; - 19.50&quot;</td>
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<td>Overall Width: (No joystick, outside tire to outside tire)</td>
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<td>25&quot;</td>
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<td>Overall Height: (seat folded down)</td>
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<td>36&quot; - 39&quot;</td>
<td>36&quot; - 39&quot;</td>
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<td>Overall Length</td>
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<td>40.5&quot;</td>
<td>40.5&quot;</td>
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<td>Weight</td>
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<td>Motor/Suspensions Section</td>
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<td>Footplate/Front Anti-Tip System</td>
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<td>Seat and Controller (18&quot; Admiral)</td>
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<td>45 lbs.</td>
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<tr>
<td>TOTAL</td>
<td>164.5 lbs.</td>
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<td>Batteries (2)</td>
<td>58.5 lbs. ea. (group 24)</td>
<td>39 lbs. ea. (group 22)</td>
<td>39 lbs. ea. (group 22)</td>
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<td>Complete W/Batteries (AGM):</td>
<td>281.5 lbs.</td>
<td>248 lbs.</td>
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<td>Group 22/24</td>
<td>Group 22</td>
<td>Group 22</td>
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<td>Speed: Adjustable</td>
<td>5 mph Max.</td>
<td>5 mph Max.</td>
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<tr>
<td>Range*: (varies with weight and driving conditions)</td>
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<td>19.5 - 25 miles</td>
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<td>Turning Radius:</td>
<td>24.4&quot;</td>
<td>21.5&quot;</td>
<td>21.5&quot;</td>
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<tr>
<td>Ground Clearance</td>
<td>3&quot;</td>
<td>3&quot;</td>
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<td>Max Curb Climbing</td>
<td>2.5&quot;</td>
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<tr>
<td>Max. Incline Stability</td>
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<td>Hard Surface</td>
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<tr>
<td>With Stanza™</td>
<td>9° - 450 lb. rider</td>
<td>9° - 300 lb. rider</td>
<td>9° - 450 lb. rider</td>
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<td>12° - 300 lb. rider</td>
<td>12° - 300 lb. rider</td>
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<tr>
<td>Tire Pressure</td>
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<tr>
<td>Front Anti-Tip Wheels</td>
<td>Solid</td>
<td>Solid</td>
<td>Solid</td>
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<tr>
<td>Main Drive Wheels - (optional Flat-Free)</td>
<td>Pneumatic - 50 psi</td>
<td>Pneumatic - 50 psi</td>
<td>Pneumatic - 50 psi</td>
</tr>
<tr>
<td>Caster Wheels</td>
<td>Solid</td>
<td>Solid</td>
<td>Solid</td>
</tr>
<tr>
<td>Max. Weight Capacity</td>
<td>450 lbs.</td>
<td>450 lbs. (non Power seat)</td>
<td>300 lbs. / 450 lbs.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>400 lbs. - 425 lbs. with tilt or power seat.</td>
<td></td>
</tr>
</tbody>
</table>

**NOTE: Special seats such as tilts reduce the max capacity by 50 lbs.**

**Do Not Exceed The Maximum Incline Stability For Your Style Power Wheelchair!**

Incline stability (maximum up-hill angle) is determined using applicable RESNA & ISO criteria for determining static and dynamic stability (ISO 7176-1 & 2, ANSI WC/01 & 02). Tests are conducted using the maximum rider weight specified in the owners manual and the seat in its' least favorable position.

*Range based on maximum size rider on a hard level surface with the maximum size batteries. Customer's range may vary according to customer's weight and driving conditions.
Getting On and Off the Power Wheelchair

The following is a recommended method for getting on your Power Wheelchair

1. The wheelchair should be stopped on a flat level surface with the power switch in the OFF position (no visible lights).
   (SEE WARNING BELOW)

2. Raise the foot rest plate so that you may back up to the wheelchair squarely. **WARNING:** Do not use the footplate as a platform. When getting in or out of the wheelchair make sure that the footplates are in the upward position or swing footrest towards the outside of the wheelchair.

We realize that many bariatric persons can not do a side transfer or raise their legs to raise and lower the footplate. If and only if you must step on the footplate for entering or exiting the power wheelchair, you must follow these instructions. Your power wheelchair is equipped with a patented infinitely adjustable rigid anti-tip system (see figure 1 under Battery Removal Section). When both of the front anti-tip wheels are lowered to contact the floor, you can step on the platform without tipping the chair forward. After entry the wheels must be raised to adjust to the driving environment - 1/4” for flat floors and up to 2” for outdoor terrain. Always keep the adjustment as low as possible for your driving area. **Warning:** Failure to lower the anti-tip wheels for entry and exit will result in the chair tipping forward when you stand on the footplate which can cause you to fall and result in possible serious injury. **Warning:** As with any wheelchair part should the anti-tip assembly become damaged, discontinue use immediately and contact your dealer for service. **Warning:** Always keep anti-tip wheels at the same height from floor to prevent tipping to side.

3. Position yourself squarely in front of the seat and lower yourself into the seat using the armrests if necessary. (Never use the control housing or joystick as a support while getting on and off the wheelchair.)

4. Lower the footrest and place your feet securely on the footrest.

5. Buckle the safety belt around yourself belt to help hold yourself securely in the chair.

6. Push the power button on the speed control, the LED lights should activate.

7. When seated comfortably, you can drive the power wheelchair.

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**WARNING:** For units with the optional Power Seat, only drive the wheelchair when the power seat is in the lowest position to avoid tipping and serious injury. If you are unable to follow this instruction, consult your dealer for alternatives.

The method for getting off is the reverse procedure.

1. Turn the power switch OFF when stopped (no visible lights).

2. Unfasten your safety belt and raise (or have someone raise) the footrest bracket.

3. Make sure your feet are planted firmly on the ground and stand up.

**WARNING**

Keep the power button in the OFF position at all times when stopped or when getting on or off the wheelchair. Sudden accidental movement of the wheelchair will be avoided with the power switch in the OFF position.

Tipping can occur if you get on the power wheelchair in a manner other than recommended. Tipping can be avoided by keeping your weight away from the outer edges until seated. If you step into the wheelchair, sit directly in the center of the seat, not near the edge. Tipping, loss of control or traction (wheel spin) can also occur if you turn the joystick sharply while traveling at or near full throttle and on slick surfaces or inclines.
Controls for the power wheelchair operation are located on the arm mounted joystick console and the power module mounted to the frame. Become familiar with all controls with the power button in the OFF position. Each is described in the following section.

1. On/Off
2. Increase/Decrease Speed
3. Battery Gauge
4. Joystick
5. Horn
6. Speedometer
7. Attendant Control LED
8. Service Indicator LED

**Joystick Console**

1. **TURNING THE POWER ON and OFF** Press the Power button once to turn the power on. All indicators will flash briefly. The current state of battery charge will be displayed and the powerchair may be operated as normal.

   *Note: If the SHARK is turned on while the joystick is out of neutral, an OONAPU fault will be displayed - refer to the SHARK Display Information Chart. Release the joystick back to neutral and the fault will disappear.*

   **OONAPU (Out Of Neutral At Power Up)** is a feature that prevents SHARK for driving if the joystick is out of neutral when SHARK is turned on or an inhibit condition removed.

   *This feature prevents sudden and unexpected powerchair movements.*

   Press the Power button again to turn the power off. The LED’s will turn off.

   *Note: Alternatively, SHARK may be placed into a Lock Mode (See Locking Instructions). This may be preferable to turning the power off if leaving the powerchair at a place where unauthorized persons may attempt to use the powerchair.*

2. **ADJUSTING THE DRIVING SPEED** The user can adjust the chair’s top speed to suit their preferences and environment. The currently selected top speed is shown on the Speedometer and can be adjusted using the "Increase Speed" (Hare) and "Decrease Speed" (Tortoise) buttons.
Operating the Power Wheelchair

Each of the speedometer’s 6 large LEDs typically represent 0%, 20%, 40%, 60%, 80% and 100% of the chair’s absolute maximum top speed.

REMD supports 2 modes of top speed adjustment - "5 Speed" and "VSP" modes.

In the "5 Speed" mode pressing the Increase Speed and Decrease Speed buttons steps between the 5 top speeds 20% to 100%.

In the "VSP" mode a quick single press of the Increase Speed and Decrease Speed buttons also steps between one of the 5 speeds 20% to 100%. However, pressing and holding the Increase Speed (Decrease Speed) Button ramps the top Speed up (down) in fine steps, allowing practically any top speed to be selected. This can be particularly useful for matching the chair speed to the walking speed of an accompanying pedestrian.

VSP is an extremely powerful feature, allowing both fast stepping between fixed top speeds by using quick presses or finer control using long presses. The VSP feature can be enabled or disabled. Users can toggle between the "VSP" and "5 Speed" Modes by holding down both the Increase Speed and Decrease Speed Buttons for approximately 2 seconds while the unit is powered up. The control unit will beep when the mode has been changed.

USING THE SPEEDOMETER

The Speedometer is used to indicate the speed of the chair in relation to the maximum speed possible. The right-most LED displays the current maximum speed setting, which can be adjusted using the Increase or Decrease Speed button. Refer to "Adjusting the Driving Speed" for details. While using the joystick to increase the speed of the chair, the LED's will fill in until the maximum speed is reached.

WARNING: For units with the optional Power Seat, only drive the wheelchair when the power seat is in the lowest position to avoid tipping and serious injury. If you are unable to follow this instruction, consult your dealer for alternatives.
Operating the Power Wheelchair

3. BATTERY INDICATOR. The battery Indicator displays the true state-of-battery-charge, including notification of when the battery desperately requires charging. The true status is most accurate only while you are driving.

- Any green LED's lit indicates well-charged batteries.
- If only yellow and red LED's are lit, the batteries are moderately charged. They must be recharge before undertaking a long trip. To prolong the life of the batteries they should be recharged at this point.
- If only red LED's remain lit the batteries are running out of charge. Recharge as soon as possible. Frequently driving down to the red will reduce the life of the batteries.

4. THROTTLE CONTROL JOYSTICK LEVER. The joystick mounted on the top of the control panel is both the throttle and direction control lever (Push Slowly). Pushing the joystick with your thumb in the direction of the horn button on the control faceplate will make the wheelchair go forward or backward accordingly. Pushing the joystick in slightly will make the wheelchair begin to move. The further you depress the joystick, the faster the wheelchair moves. The top speed set by the Tortoise/Hare buttons is reached by fully depressing the joystick. Completely releasing the joystick will stop power to the motor, activate the brakes, and you will come to a complete stop. For faster stops in forward, pull the joystick into reverse until the unit stops moving, then release the joystick.

5. HORN BUTTON
Your unit also comes equipped with a built in horn, activated by depressing the horn button.

PLEASE NOTE: Should the joystick / brake control system not stop the unit, turning the power switch off will engage all brakes and stop the unit abruptly. This backup system should only be used in the unlikely event that the primary brake control is disabled, as the quick stop could CAUSE YOU TO SLIDE OFF THE WHEELCHAIR. Remember to wear your lap belt.

6. LOCKING THE SHARK
Most SHARKs are supplied with a factory programmed LOCK Feature that prevents unauthorized people from turning the SHARK on.

TO LOCK:
While the power is ON, press and hold the Power button for 4 seconds. The horn will sound a short beep and all LED's will flash briefly. The powerchair will then turn off.

TO UNLOCK:
While the SHARK is locked, press the Power button to turn the SHARK on. All LED's will flash briefly. The LED's will then perform a right-to-left "chase". Press the Horn button twice before the timer completes its pass (approximately 10 seconds). The current state-of-charge will then be displayed and SHARK may be operated normally.

Note: If the user does not press the Horn button twice within the time limit, the Horn will sound a short beep and SHARK will turn itself off. The unlock sequence must be completed successfully before the SHARK will drive again normally.
Controller Instructions

METHODS FOR CONTROLLING THE DIRECTION OF YOUR POWER WHEELCHAIR.

Pushing the joystick straight forward will cause the wheelchair to move in a forward direction. Your speed is determined by how far forward you push the Joystick and by the speed control setting (#2). Pulling back on the joystick causes the wheelchair to move in the reverse direction.

Moving the joystick directly to the left (while stationary or moving) will cause the chair to turn to the left. Conversely, moving to the right will cause it to turn right. If you are stationary, the chair will tend to rotate where it sits. You may use this to position yourself in place, or to prepare to travel in a different direction.

The difficult part of controlling a power wheelchair is all of those moves in between the four main directions. Shown here are different directions for turning the wheelchair as you operate the vehicle, but remember these moves may be anywhere in between, it depends on the direction of travel required at the time. The important thing to remember is that in the forward positions, the joystick is like a pointer, point and that is the direction you will go. In reverse, the pointer is indicating the direction the front of the wheelchair will go, not the back. The best thing to do is learn to operate your power wheelchair in a large flat open space, and practice making the chair move in the direction you desire.

In an emergency or a "Quick-Stop" situation, you may pull straight back on the joystick momentarily to cause the motors to apply reverse current and stop quickly. Use extreme caution, as this may cause your body to pitch forward in the chair. Always wear your lap belt.
For your first ride, we recommend the following.

When possible, always work with your dealer or therapist to learn how to use your power wheelchair. Different chairs have different adjustable features such as spring suspension, programmable controllers, front anti-tips, footrest height & angle, length adjustments and arm adjustments etc. Work with your dealer to make sure the wheelchair is specifically fitted to YOUR needs.

1. Make sure the area is a flat, hard, smooth, open and free of obstacles.

2. Make sure your lap belt is securely fastened and the seat is securely locked.

3. Depress the power switch to turn the power switch to ON.

4. Adjust the SPEED setting display (Speedometer) to low.

5. Push the control knob forward to go forward.

6. Steer the chair in different directions to get a feel for how the controls operate.

7. SLOWLY increase the Max. SPEED indicator on the speedometer by holding the button down with the "Hare" symbol on it until the desired top speed is reached. Remember, power compensation will automatically give you more power and allows you to keep a slower speed should you need it. Refer to Adjusting the Driving Speed Instructions.

8. Release the joystick to come to a stop. Take note of how the braking feels. The clicking you might hear upon starting, and shortly after releasing the joystick is the Electric Brake disengaging and engaging.

9. Push the joystick backwards to thumb to go backward. There is a significant reduction in speed in the reverse direction without any change in the Max. SPEED setting. Always make sure the area is clear behind you before backing up.

10. Remember to turn the power button OFF (no visible lights) when not driving, or getting on or off the wheelchair.

Speed controller characteristics are pre-set for the average rider. The anti-tip wheels are normally positioned approximately 1/2" off the ground (with a rider in the chair) but may be adjusted in height. Because your power wheelchair is a "midi" (3/4) drive chair the anti-tip wheels are normally only used when braking going forward down a steep incline. Reducing this setting causes the powerchair to tilt forward at a lesser angle before resting on the anti-tip wheels if you decelerate rapidly while going down a hill. See specification page for maximum obstacle climbing capability.

WARNING

The power wheelchair is designed for high maneuverability but use caution when encountering obstacles. Failure to drive cautiously can result in tipping and/or collisions which may cause physical harm. When approaching an obstacle, keep your speed at a minimum and maintain a safe distance from that object. Avoid all small objects on the ground. The wheelchair's ground clearance may be less than the size of the object. Running over an object or into a depression could cause overturning, or damage to the wheelchair. NEVER ride the unit near platforms, stairs, ledges, curbs or in any other potentially dangerous situation as severe injury can occur.
The power wheelchair's brake systems allow for smooth start up and safe braking without undue jerking. There are three (3) separate modes to the braking system: Regenerative, Dynamic, and Posi-Lock Electric Braking. All braking occurs automatically during wheelchair operation if the joystick power is "ON". If the joystick power is turned "OFF", the regenerative braking and dynamic braking are not functional.

**WARNING:** Always leave the joystick power "ON" when parked on or attempting to stop on an incline. Failure to leave the joystick power "ON" could result in partial loss of braking and steering control causing potential damage to the equipment and/or harm to the rider.

Each type of braking is described in the following.

1. Regenerative Braking is activated while driving the power wheelchair down an incline. When the wheelchair picks up speed going down the incline, the motor generates electricity. This electricity is channeled back through the power wheelchair electronic control circuits to recharge the batteries. This action keeps the wheelchair from picking up excess speed and provides for smooth speed control.

2. Dynamic Braking is activated WITHOUT delay when all power is stopped to the motor by bringing the control knob back to the center position, as when coming to a complete stop. This braking works until the Posi-Lock Electric brake is activated.

3. Posi-Lock Electric Braking Disk is activated with delay when all power is stopped to the motor. This electric brake has a short delay and ultimately holds the power wheelchair at a complete stop. The wheelchair cannot be moved when this brake is activated. Dynamic Braking works in conjunction with Posi-Lock Electric Braking to bring you to a gradual and complete stop.

**MOTOR/BRAKE DISENGAGE MECHANISM**

The power wheelchair is equipped with Motor/Brake Disengage lever(s). This systems allows the wheelchair to be moved in the event the batteries are run low, or there is a malfunction. To operate the Motor disengage mechanism, turn the power off to the wheelchair and push the levers by the decals located near the lever(s) as shown. The motor/brake combination is now disengaged and the wheelchair will not operate, but will roll freely.

**Caution:**

**DO NOT** ride the power wheelchair with Motor/Brake Disengage Mechanism activated since there is a strong possibility an accident with injuries will occur. Should you experience any type of brake system malfunction, **DO NOT** ride or sit on the wheelchair. Have the system repaired immediately!

**SHOULD THE BRAKE DISENGAGE ON A WHEELCHAIR EVER APPEAR TO WORK POORLY OR INCORRECTLY, STOP RIDING IMMEDIATELY AND CONTACT YOUR DEALER FOR SERVICE!**
Power Seat Operation

Power Seat Operation (Not available on RF-P3 and RF-P4)
Optional power seat actuators will be operated using one of the following control systems.

**Joysticks with integral actuator controls**
The controller has two modes of operation. One is called the “drive mode”. It is used to drive the chair. The second mode is the “actuator control mode” used to run up to two different motorized actuators including tilts, power seats and Stanza.

While you are in the “drive mode”, the power wheelchair controls will function as explained earlier in this manual.

To switch from the “drive mode” to the “actuator control mode” you must have the power chair stopped and sitting on a firm level surface. Find the curved mode switch button located just under the ON/OFF button.

Press and release the actuator control mode button to once to toggle from drive mode to controlling motorized actuators. Then press the button a second time to light up #2 on the switch. The far right part of the button will be lit up when the second function is active.

Moving the joystick forward will lower the seat. Pulling back on the joystick will raise the seat. The speed is proportional and can be adjusted by how far you have moved the joystick.

Once you have finished adjusting the powered accessories, you may leave the “accessory power mode” and return to drive mode by pressing and releasing the mode switch until both of the small mode switch lights are off. If the power switch is on both mode switch lights are off you are in drive mode. Moving the joystick will cause the power chair to move.

**WARNING:** Before using the joystick, always look at the indicator lights to know what mode you are in. Failure to do so could result in unexpected movement of the power chair causing potential harm to the user and or the equipment.

**External Controls**
Controls that are not activated through the joystick do not require you to toggle between “drive mode” and “actuator control power mode”.

To operate the power seat actuator with external controls, you must have the power chair stopped and sitting on a firm level surface. Locate the small black box with the rocker switch. Push at the back of the rocker switch to raise the seat and push at the front of the rocker switch to lower the seat.
Seat Assembly Operation

The power wheelchair comes with removable/height adjustable arms. These arms are designed to provide support for your arms while seated on the wheelchair, and for assistance when getting on and off of the wheelchair. Persons with no use of their legs, or no ability to transfer weight to the floor should seek other means of assistance (slide board, helper, etc.) when transferring in and out of the wheelchair. Arm failure will result if excess weight is applied to the arm.

**Width adjustable arm adjustments**

1. Loosen the black knobs under the edge of the seat. Rotate counter clockwise to loosen.
2. Slide the armrests in or out as needed.
3. Tighten the black knobs. Rotate clockwise to tighten.

Should you wish to remove the armrests, simply pull them out when the knobs are loose. Remember to tighten the knobs to avoid their loss.

**Seat Height Adjustment**

**NOTE:** The Boss 4.5 is shown in the photo. The seat height is adjusted on the Scout RF-P3 & P4 in the same manner.

1. Remove the seat assembly by unpinning the seat and lifting the seat assembly straight up. Set aside.
2. Locate the seat height adjustment bolts and nut located on the post where pins were removed.
3. Remove the bolt, nut, and washers. Take note of their position in order to correctly replace them.
4. The seat height post will now move up and down.
5. Position the seat height to new desired position.
6. Replace the washers, bolt, and nut in their proper order. Tighten until all play is eliminated.
7. Replace the seat assembly and test the new height.

It is recommended that the seat assembly be positioned at the lowest comfortable seat height. The power wheelchair's stability will be improved with a lower height.

**WARNING:** For units with the optional Power Seat, only drive the wheelchair when the power seat is in the lowest position to avoid tipping and serious injury. If you are unable to follow this instruction, consult your dealer for alternatives.

**ASSEMBLING THE WHEELCHAIR**

The power wheelchair's easy separation makes it very convenient to disassemble and assemble the unit. Complete disassembly can be accomplished in seconds WITHOUT tools. The procedure is as follows.

Make sure the power button has been placed in the off (no lights) position. Remember, it should already be in the OFF position since it was placed there when you last got off the wheelchair. Disconnect the power cord located at the rear of the seat on the seat bracket, unpin the seat at all four points, lift the seat assembly up and remove. Lift off the cover while passing the cable and connector through the hole in the cover.

Disconnect each battery by depressing the tab on each battery plug to unplug the cable. Remove both batteries.
Disassembly and Assembly

Last you need to remove the Footplate/Stabilizer wheel assembly from the front of the wheelchair, by removing the two winged bolts or pull pin holding it to the main frame assembly. Raise the front footplate section up out of the way.

REASSEMBLING THE WHEELCHAIR
To reassemble the wheelchair, simply repeat the same steps in reverse order. 1.) Replace the foot plate on the frame assembly and replace the winged bolts.

**WARNING never operate the unit without reattaching the front section and the bolts/wing-nuts or pull pin which holds the front section in place!**

Put the batteries in place and connect the battery cables. Align the red dots on each connector so that they line up. Push the plug straight in until the connectors click together. Place the connectors between the batteries.

Replace the rear cover by running the control cable through the hole in the cover and setting the cover securely on the frame. Make sure the velcro on the cover attaches to the velcro on the rear frame support piece.

Place the seat assembly onto the four height adjustment posts. Connect the control cable to the controller. Follow the entry instructions elsewhere in this manual, and go for a ride.

INFINITELY ADJUSTABLE ANTI-TIP WHEELS

The anti-tip wheels are normally positioned approximately 1/2” off the floor for indoor use (with a rider in the chair) but may be adjusted in height. Because Scout Explorer is a “midi” (3/4) drive chair the anti-tip wheels are normally only used when braking going forward down a steep incline. The lower setting causes the powerchair to tilt forward at a lesser angle before resting on the anti-tip wheels if you decelerate rapidly while going down a hill. See specification page for maximum obstacle climbing capability. Always keep anti-tip wheels at the same height from floor to prevent possible tipping to the side.

ANTI-TIP ASSEMBLY STANDARD SETTINGS

- To RAISE the wheel height, turn the thumb screw clockwise until the wheels are in the desired position.

- To LOWER the wheel height, turn the thumb screw counter-clockwise until the wheels are in the desired position.

FINGER ADJUSTABLE FRONT ANTI-TIP ASSEMBLY

- Wheels set lower will provide additional stability

- Wheels set higher will provide additional clearance over obstacles
The Wheelchair Batteries

Charging the batteries is the most important part of operating and maintaining your power wheelchair. Be sure to do it properly! **IMPORTANT:** Only AGM or gelcell sealed lead-acid deep cycle discharge type batteries should be used with this wheelchair. Do not use regular car starter batteries. AGM and gelcell batteries do not require water and they have no danger of spillage. Some are approved by the Federal Aviation Administration for air travel. **NOTICE:** The battery charger provided is specially designed for use with PaceSaver brand equipment. In the unlikely event of failure it should be replaced only with a PaceSaver approved charger to assure proper performance of the charger and wheelchair.

**Important Safety Information:**
Always use caution when lead-acid batteries are being charged. Batteries can generate explosive gasses during charging. Observe the follow guidelines to reduce risk of battery explosion.
1. Never smoke or allow open flame or sparks around a charging battery.
2. Never charge a frozen battery.
3. Use a PaceSaver charger designed for charging deep-cycle gelcell and AGM batteries.
4. The user is instructed to NOT use the charger with a battery configuration not matching the output voltage rating of the charger. The batteries in this unit are connected for 24 volts.
5. The charger is rated at 24 volts DC and includes a special safety circuit to prevent operation of the unit while charging. This is to prevent accidentally driving away with the AC cord connected, causing damage to the cord and to the receptacle in the user's residence.
6. Do not operate the charger in closed area or restrict ventilation around the charger in any way.
7. Do not disconnect the DC portion of the charger circuit while the AC cord is still connected to the electrical outlet. Unplug the AC cord first.
8. It is normal for the charger to operate at a high temperature. Do not touch the hot charger until after it cools.

**Basic Safety Instructions:**
1. Do not expose the charger to rain, snow or other moisture sources (i.e., sprinkler, car wash, etc.). When storing the unit, keep it inside a building or under a protective covering.
2. Use of the charger in a manner not recommended by the manufacturer may result in the risk of fire, electrical shock or personal injury.
3. To reduce the possibility of damage to the AC cord or the connector, disconnect the AC line cord by grasping the plug and not the cord, when disconnecting from either the unit or the wall receptacle.
4. Locate cord so that it will not be stepped on, tripped over or subjected to the possibility of damage.
5. An extension cord is not recommended for use with this equipment. Use of an improperly rated extension cord could result in risk of fire or electrical shock. Should it be required to use an extension cord, make certain that it is of 3-wire construction and has a wire size of at least 16-gage, and the cord must be in good electrical condition.
6. Do not operate this charger with damaged AC cord or receptacle. If they are damaged, replace them immediately.
7. Do not disassemble the charger. If there is a perceived problem with the equipment, refer to the servicing section of this manual or refer to a qualified technician for service. Incorrect assembly of the charger could result in a risk of electrical shock or fire.
8. Do not operate the charger if it has received an impact of a severity that may render it inoperative. Take it to a service technician.
9. To reduce the risk of electrical shock, unplug the charger from the electrical outlet before attempting any maintenance or cleaning.
10. Operate the charger on a flat surface. Restricting air flow around the charger can create an overheated condition. Carpeted floors can restrict air flow. It is normal for the charger to operate at a high temperature.
11. Do not operate the charger with a damaged cord or plug. Do not operate if the charger looks like it has been damaged. Contact your dealer for repair.
The Wheelchair Batteries

12. Make sure the 3-pronged charging plug is seated fully in the wheelchair battery charger outlet in the front of the joystick.
13. Do not stand on wet surface while connecting charger.

**Before Charging:**
1. Verify that battery terminals are clean and that all charger connections are secure and in good condition.
2. Verify that all cords and cables are in good condition.

**Grounding and AC Power Connection:**
The charger must be plugged into a grounded electrical outlet. The unit is provided with an electrical cord which contains a conductor for grounding. The charger cord must be plugged into an AC outlet that is properly installed, and is grounded in accordance with the National Electrical Code and all local electrical codes and ordinances.

**!! CAUTION !!** - Failure to plug the charger into a grounded receptacle could cause a condition allowing an electrical shock hazard to be present while charging.

**++DANGER++** Improper connection of the equipment grounding conductor can result in a risk of electrical shock

**!! CAUTION !!** - Never alter the AC cord or plug provided with this equipment. If it does not fit the outlet, have a properly grounded outlet installed by a qualified electrician.

A TEMPORARY AC ADAPTER may be used to connect the plug provided with this charger to a two-pole receptacle if a properly grounded receptacle is not available. The temporary adapter should only be used until a properly grounded outlet can be installed by a qualified electrician. The green colored tab on the adapter MUST be connected to a permanent ground such as a properly grounded outlet box.

THE USE OF TEMPORARY ADAPTERS IS ILLEGAL IN CANADA AND SHOULD NOT BE USED. HAVE A QUALIFIED ELECTRICIAN INSTALL A GROUNDED OUTLET BEFORE USING THIS CHARGER.

**!! CAUTION !!:** Be certain the wall cord is disconnected from the electrical outlet before moving the wheelchair. Moving the wheelchair without disconnecting the wall cord could result in damage to the wheelchair, the cord and the wall outlet. This could create a shock hazard condition.

**++WARNING++:** Because you will be connecting and disconnecting AC to the wheelchair, be cautious of doing so in the presence of water (i.e., rain or puddled water). Electrical shock hazard could be present. Observe all caution and safety warnings.

**++WARNING++:** Lead-acid batteries generate gasses which can be explosive. Avoid smoking, sparks or open flames around charging batteries. Charge in an area with adequate ventilation.

**++WARNING++:** Chargers cause small sparks that can ignite flammable materials and gasses. Do not use chargers near fuels, grain dust, solvents, thinners or other flammable materials. Charge in an area with adequate ventilation.

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**Information for California Residents: Compliance with Proposition 65**

**Warning:** This product (batteries) contains or emits chemicals known to the state of California to cause cancer and birth defects or other reproductive harm.

**Warning:** Battery posts, terminals and related accessories contain lead and lead compounds. Wash hands after handling.
Useful Battery Information

1. The battery gage on the joystick console takes into account time as well as battery voltage to provide a more accurate estimate of battery capacity while you are driving. The display simulates a bar graph where all LED's lit represent a full state of charge and a single red LED represents the lowest state of charge. If, while you are driving, the indicator falls into the red area, charge the batteries as soon as possible. Charging will bring deep cycle discharge condition batteries up to full charge. You will not see maximum battery life if the batteries are routinely run to the deep cycle discharge condition.

2. It is best to charge the batteries before they reach the deep cycle discharge condition. Short charge intervals to keep a battery "topped off" are better than long intervals for bringing a battery up from deep cycle.

3. Keep the batteries away from heat. Areas with excessive sunshine or excessive heat will cause a faster loss of charge in the batteries. Heat will cause the batteries to lose their charge and also shorten their life.

4. Storage of batteries is very important to their life span. The very best way to maximize battery life is to store them in a fully charged condition in a cool place. Then, periodically charge EVERY ONE TO TWO MONTHS to keep the batteries in this fully charged condition. The PaceSaver charger can be left connected indefinitely without damaging the batteries.

5. Loose connections can keep the batteries from delivering full power. Visually check the battery wire connections in the battery box periodically for looseness. Always connect the red wire to the positive (+) battery terminal. Connect the black wire to the negative (-) battery terminal.

6. Batteries should never be subjected to freezing temperatures. Discharged batteries can be quickly ruined in freezing conditions.

**WARNING:** Do not use a non-sealed liquid lead acid battery. Spillage of battery acid will cause severe burns and will corrode metal components of the power wheelchair.

**Charging Notes:**
Regular use of your chair will require regular charging. It is a common misconception that batteries need to be run into deep discharge before recharging. This is not true and can lead to damage of the batteries if they are regularly discharged deeply before recharge. Likewise, if batteries are stored or used for a long period of time without recharge, this may result in permanent damage to the batteries resulting in unreliable operation and shortened battery life. Maximum driving range of your wheelchair can be obtained if the batteries are fully charged prior to a lengthy trip. Because the charger is a fully automatic charger, it can be "on charge" for an indefinite period of time without harm to the batteries.

Some chargers have a small cooling fan located inside the charger which is thermostatically controlled and may come on as internal temperatures rise. This fan may operate at regular intervals. Do not rely on its operation as an indication of charger output. Battery chargers are designed to operate at a high temperature.
Fuse:
There are no replaceable fuses in the charger. This charger uses solid state technology to protect the unit and the batteries until the fault has been removed.

Service/ Troubleshooting: Should your charger fail to perform:

1. First, check that all connections are properly made for a fully assembled wheelchair. On some equipment, the charger lines go through the motor plug, so if the motor plug is disconnected for some reason, then the charger will not function. Likewise, if the batteries are not connected, they will not receive a charge, and the meter will not give an indication.

2. Check that the wall outlet has power to it. The outlet may be on a switch and will not function if not switched on.

If these steps fail to produce satisfactory results, please refer to an authorized service center to have the system fully analyzed.

Tips for increasing the range of the power wheelchair:
• Reduce the weight carried on the wheelchair.
• Inflate the tires to the recommended pressures.
• Accelerate slowly by pushing gently on the throttle.
• Set the speed control knob to about two-thirds of maximum speed.
• Travel around obstacles whenever possible.
• Periodically check that all electrical connections are secure.

Tips for maximizing the battery life and reducing total recharge time:
• Always use the PaceSaver battery charger that is provided with the wheelchair.
• Park the wheelchair in the shade whenever possible.
• Avoid discharging the batteries below the green LED zone on the battery meter, (about 50 percent discharge level).
• Recharge until the "CHARGE" light on the charger turns off. This would be 80 - 90 percent of full charge.
• Every ten or so recharge cycles leave the charger connected to the batteries for a few additional hours or overnight. This will bring the battery up to 100 percent recharge level.
• Avoid subjecting the batteries to below zero freezing conditions.
Charging The Batteries

The switch-mode battery charger provided is specially designed for use with your PaceSaver wheelchair. In the unlikely event of failure we recommend replacement only with a PaceSaver brand charger. The charger is intended for use with AGM or gelcell sealed lead-acid deep cycle discharge type batteries only. This is a 24 volt DC charger for use only with batteries connected for 24 volt DC service. Do Not use the charger with a car starter battery.

The PaceSaver brand battery charger includes

- Microprocessor control allows switch-mode operation for faster charging.
- Light weight and compact size offers space advantages.
- All units feature Auto Voltage Select (AVS): One unit operates for 100 VAC, 120 VAC or 230 VAC.
- Power limited battery charging (using algorithm) depending on battery state of charge.
- Automatic shutoff and restart to compensate for battery self discharge.
- Reliable charging achieved through a multi-stage, multi-mode charging algorithm.
- Thermal protection prevents damage from over temperature conditions.
- Input & output protected by automotive electronic sensor.
- Output current limit so as not to exceed the maximum power and/or thermal capacity.
- Output short circuit and reverse polarity protection.
- LEDs indicate AC Power ON, Charging Status and Fault Conditions.

Refer to the manual provided with the battery charger for detailed specifications and operation information.

Operation

1. Ensure that the AC cord is disconnected from the supply receptacle.
2. Connect the charger output connector to the wheelchair battery connector. On the front of the SHARK joystick controller.
3. Plug the AC line cord into a nearby outlet. Turn on wall switch (if used). The yellow light will illuminate to indicate that AC power is present. After several seconds the green light will flash to indicate that charging is in process. If no lights are illuminated, or if the yellow light flashes, refer to the Troubleshooting section. Charge time will vary from less than 1 hour to over 10 hours depending on the depth of discharge of the batteries.
4. When charging is complete both the yellow and green lights will remain on and the charger will be in standby mode. The charger is now ready to be disconnected from AC power and then from the powerchair.

Battery Charging

The satisfactory performance of the SHARK system is critically dependent on the type and state of charge of the batteries. The PaceSaver Battery Charger used must be used according to the instructions. Failure to do so may damage or destroy the batteries, give poor range, or be potentially dangerous. Batteries should not be abused (for example by regularly deep discharging) and must be operated and maintained according to the instructions.

The battery charger socket is a 3 pin XLR type with pin configuration as shown below. The PaceSaver charger is compatible with this pin out. There is an inhibit safety link built into the charger so that the wheelchair is prevented from driving when the batteries are being charged. This is to prevent accidentally driving away while the AC cord is connected.
Charging The Batteries

**Warning**: Do not disconnect batteries or open circuit the circuit breaker during charging. This is dangerous to both people and equipment.

![System Battery Charger Plug on Front of Joystick](image)

**Note**: The inhibit is shorted to B- external to the System.

Plug the battery charger into the charging socket located at the front of the SHARK joystick.

The SHARK Information Gauge will indicate the system is being charged by cycling between a left-to-right "chase" and displaying the current battery state-of-charge.

Driving is prevented (inhibited) while the system is being charged.

Once the system status gauge displays a "full battery charge (all LED's are lit), the battery charger plug may be removed.

*Note: If the SHARK is turned off, or goes into sleep while charging, charging will continue.*

**SHARK Information Gauge**

The SHARK Information Gauge (located on the joystick console) is the primary source of user feedback. It displays every possible status that SHARK may have.

- **SHARK Power ON**

- The battery Indicator displays the true state-of-battery-charge, including notification of when the battery desperately requires charging. The true status is most accurate only while you are driving.

  - **Any green** LED's lit indicates **well-charged** batteries.
  - If **only yellow and red** LED's are lit, the batteries are **moderately charged**. They must be recharge before undertaking a long trip. To prolong the life of the batteries they should be recharged at this point.
  - If **only red** LED's remain lit the batteries are running out of charge. **Recharge** as soon as possible. Frequently driving down to the red will reduce the life of the batteries.

- **SHARK Lock Mode countdown.**

- Program, inhibit or charge modes.

- Fault indication (Flash Codes)
The following table indicates what the gauge will display for any given state.

<table>
<thead>
<tr>
<th>Display</th>
<th>Description</th>
<th>This means . . .</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>All LED's OFF</td>
<td>Power is OFF</td>
<td></td>
<td></td>
</tr>
<tr>
<td>All LED's ON</td>
<td>Power is ON</td>
<td></td>
<td>Less LED's imply a reduced battery charge.</td>
</tr>
<tr>
<td>Left RED LED is flashing</td>
<td>Battery charge is low</td>
<td></td>
<td>The batteries should be charged as soon as possible.</td>
</tr>
<tr>
<td>Right to left &quot;chase&quot;</td>
<td>SHARK is being brought out of Lock mode</td>
<td></td>
<td>To unlock SHARK, press the Horn button twice within 10 seconds</td>
</tr>
<tr>
<td>Left to right &quot;chase&quot; alternating with steady display</td>
<td>SHARK is in programming, inhibit and/or charging mode</td>
<td></td>
<td>The steady LED's indicate the current state of battery charge.</td>
</tr>
<tr>
<td>All LED's flashing slowly</td>
<td>SHARK has detected an OUT OF Neutral At Power Up (OONAPU) condition</td>
<td></td>
<td>Release the joystick back to neutral.</td>
</tr>
<tr>
<td>Amber Service Indicator LED</td>
<td>SHARK has detected a fault</td>
<td></td>
<td>SHARK uses Flash Codes to indicate faults. For a list of Flash Codes and what they indicate, see Diagnostics section.</td>
</tr>
</tbody>
</table>
Battery Removal From Unit

1. Turn power off to controller.
2. Disconnect controller cable at back of seat.
3. Remove the pull pins from the front of the seat.
4. Tilt seat rearward until seat back supports rest on the top of the casters.

**CAUTION:** Hold on to the joystick and the front of the seat while you tilt the seat back. Failure to do so could result in the joystick flopping backwards and striking the floor as you lower the seat resulting in damage to the joystick.

5. Remove plastic shroud from unit. **Be sure not to damage the controller cable.**
6. Disconnect the battery connectors.
7. Remove batteries.

NOTE: The Boss 4.5 is shown in the photo. Batteries are removed from the Scout RF-P3 & P4 in the same manner.
Storage of the Power Wheelchair

Short Term and Overnight Storage
When ending power wheelchair's use for the day, if the batteries do not need charging, simply turn the power OFF. The next morning, get in, lock the seat, activate the key, turn power ON and you are ready to go again. In areas with public access, use of the key function will restrict powered operation of your power wheelchair.

Long Term Storage
When the power wheelchair will not be used for an extended period of time, there are several things you should do to help maintain its proper working condition.

The powerchair and its batteries should only be stored in a dry environment with moderate temperatures. Long term exposure to excessive hot or cold temperatures will be harmful to the life of the batteries. The batteries must be fully charged before they are stored. We also recommend that you disconnect the battery leads or remove the batteries from the powerbase.

Every one to two months, you should reconnect the battery leads and the charger to make sure that the batteries are still fully charged.

Maintaining the Power Wheelchair

In general, The power wheelchair is very easy to maintain. Consult your dealer if any repairs, adjustments, or damaged part replacements are needed.

Routine Maintenance

Daily
- Charge the batteries, if required, as described in the “Charging the power wheelchair Batteries” section of this manual.

Weekly
- Check the tire pressure for proper inflation. (see the proper specifications for the wheelchair you own).
- Clean the power wheelchair using a damp cloth with a mild soap. Use a minimal amount of water. Do not allow electrical components to get wet. Wipe dry.

Monthly
- Look the power wheelchair over in general making sure all the bolts and nuts are still tight.
- Inspect the battery and motor connections for wear, damage, and that proper connections are made.

Twice a Year
- Inspect all wheels for looseness and tire wear.
- Clean the upholstery as needed.

Yearly
- Thoroughly examine your wheelchair to look for undetected wear and other potential problems and have problems repaired immediately. The expense involved is always less than repair bills caused by a lack of proper maintenance. In the same way a car would not last without service, a wheelchair should be maintained regularly.

AND REMEMBER! If you ever notice any part of your power wheelchair working in an improper or unsafe manner, stop riding it immediately and contact your dealer to arrange repairs. Do not use your wheelchair if there is a possibility it is not safe!
Troubleshooting

If the power wheelchair will not move, check the following.

1. Turn the power switch OFF and then back ON.

2. Check to see that the joystick console is not locked. Refer to unlocking instructions.

3. There is a visible circuit breaker. It is located on the front of unit under the seat. You will not see any white on the button when it is set in the correct operating position. Also check to see that all of the wires are securely attached to the box.

4. Check the joystick console plug (located at the rear of the seat) for proper connection.

5. Check the battery plugs for proper connections.

6. Check the BATTERY indicator for discharged batteries.

7. Turn the power switch OFF and then back ON a second time.

8. If the wheelchair still will not move, check the LED status indicator to see if it indicates a fault and consult the diagnostic section of this manual or contact your dealer.
DIAGNOSTICS

Note: SHARK is not user serviceable. Specialized tools are necessary for the repair of any SHARK component.

INTRODUCTION

A flashing SHARK information gauge indicates there is an abnormal condition somewhere on the powerchair. The components that SHARK provides fault information for include, the motor, the park brakes, the batteries, the cabling and the SHARK modules themselves.

Note that joystick OONAPU (Out OF Neutral At Power Up) is not a fault. Simply by removing your hand from the joystick and allowing it to return to the neutral position, the fault will immediately clear.

The nature of the abnormal condition is indicated by a flash code. This is a sequence of flashes, separated by a pause, followed by a repetition of the sequence. The number of flashes relates to the condition. For instance, two flashes of the SHARK information gauge, a pause, followed by two flashes, etc. indicates a Battery fault. Five or six flashes would indicate a park brake fault.

Depending on the severity of the condition, the powerchair may or may not allow driving. In some cases the chair may be allowed to drive but in a reduced speed ("limp") mode.

DIAGNOSTICS & FAULTS

Flash codes indicate the nature of an abnormal condition directly from the SHARK Information Gauge. Without the use of any servicing tools, the condition can be simply diagnosed. Refer to the "A" and "B" labels on the motor connector and on the Shark power module to identify which side of the motor might be causing a problem. When checking connections make sure that all of the pins with wires connected in the plugs are pushed all of the way in.

<table>
<thead>
<tr>
<th>CODE</th>
<th>DESCRIPTION</th>
<th>CORRECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>User Fault</td>
<td>Possible stall timeout or user error. Release the joystick to neutral and try again.</td>
</tr>
<tr>
<td>2</td>
<td>Battery Fault</td>
<td>Check the batteries and cabling. Try charging the batteries. Batteries may require replacing.</td>
</tr>
<tr>
<td>3</td>
<td>&quot;A&quot; Motor Fault (B for Boss unit)</td>
<td>Check the motor labeled &quot;A&quot; (B for Boss unit), connections and cabling.</td>
</tr>
<tr>
<td>4</td>
<td>&quot;B&quot; Motor Fault (A for Boss unit)</td>
<td>Check the motor labeled &quot;B&quot; (A for Boss unit), connections and cabling.</td>
</tr>
<tr>
<td>5</td>
<td>&quot;A&quot; Motor Park Brake Fault</td>
<td>Check the &quot;A&quot; (B for Boss unit) motor brake, connections and cabling.</td>
</tr>
<tr>
<td>6</td>
<td>&quot;B&quot; Motor Park Brake Fault</td>
<td>Check the &quot;B&quot; (A for Boss unit) motor brake, connections and cabling.</td>
</tr>
<tr>
<td>7</td>
<td>SHARK Joystick Console Fault</td>
<td>Check the SHARK Communications Bus connections and wiring. Replace the Joystick Console.</td>
</tr>
<tr>
<td>8</td>
<td>SHARK Power Module Fault</td>
<td>Check SHARK connections and wiring Replace the Power Module.</td>
</tr>
<tr>
<td>9</td>
<td>SHARK Communications Fault</td>
<td>Check Battery voltage is greater than 17V. Check the SHARK Bus cable. Replace the SHARK Power Module. Replace the SHARK Joystick Console.</td>
</tr>
<tr>
<td>10</td>
<td>Unknown Fault</td>
<td>Check all connections and wiring.</td>
</tr>
<tr>
<td>11</td>
<td>Incompatible System Components</td>
<td>Wrong type of Control Unit connected. Ensure the branding of the Power Module matches the Joystick Console.</td>
</tr>
</tbody>
</table>

If the light continues to flash after following the procedures in the LED Diagnostic Code chart, do not ride the wheelchair. Notify your dealer for repair.
Commonly Asked Questions and Possible Answers

Why has there been a sudden loss of power?

1. Undercharged batteries. Check the BATTERY indicator. The BATTERY indicator indicates the charge condition of the batteries while you are driving. The indicator will not indicate the “true condition” of their capacity until the wheelchair has been setting on, in an idle condition, for several minutes. The green area corresponds to a good charge. The red area corresponds to a low charge, or a deep cycle condition. It is possible to drive the wheelchair with the batteries in a deep cycle charge condition, but once they drop below a certain level of power, they will fail and you will be stranded. If, while you are driving, the indicator falls into the red area, charge the batteries as soon as possible. Charging will bring deep cycle condition batteries up to full charge. You will not receive maximum battery life if the batteries are routinely run to the deep cycle condition.

2. Under-inflated tires. Check for proper inflation (check the specifications for your particular wheelchair).

3. Excessive weight on the wheelchair. Refer to the specification chart for the maximum rider weight.

4. There may be other motor or driving mechanism malfunctions. Consult with your dealer.

Will storing the batteries for a long time damage them?

Yes. Storage of batteries is very important to their lifespan. The very best way to maximize battery life is to store them in a fully charged condition in a cool place. Then periodically (every 1-2 months!) charge to keep the batteries in this full charge condition. Do not store in cold or freezing temperatures. Batteries should never be subjected to freezing temperatures. Undercharged batteries can be ruined quickly in freezing conditions.

Can a regular liquid lead-acid battery be used, like in a car?

No! A DEEP CYCLE battery must be used. A car battery is not deep cycle. Deep cycle batteries (house type batteries) are available in both AGM suspended liquid lead-acid and gel cell lead-acid. Either type can be used. These batteries are maintenance free and have no danger of spillage. They are also approved by the Federal Aviation Administration for air travel. Do not use a conventional liquid lead-acid deep cycle battery. Spillage of the battery acid can cause severe burns and will damage many components of your power wheelchair. The PaceSaver charger which came with the power wheelchair is designed specifically to charge deep cycle batteries.

Why will my Power Wheelchair not climb an incline?

1. Excessive weight on the wheelchair for the grade of the incline. Refer to the Ramp Incline Chart in this Owner’s Manual.

2. Batteries not fully charged, or are bad. Charge them and have them tested.


Again, thank you for your purchase of a power wheelchair. We hope that you will enjoy many years of trouble free service and freedom on your new wheelchair. Remember, your investment and your safety depend upon following the guidelines and suggestions contained in this manual.
### Ramp Incline Chart

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<th>Degree of Incline</th>
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<th>4'</th>
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<th>6'</th>
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RAMP Rise Length
INCLINE
12" per 3' = 19.5°
12" per 5' = 11.5°
12" per 7' = 8°
12" per 9' = 6.5°
12" per 12' = 4.5°

(Incline (Max for vehicles) - (NY State Max. Recommended Ratio)
Incline (Maximum for buildings)
Incline (Acceptable Private Residence for power/manual chair w/help)
Incline (Gov't Standard - Pub. Bldg.)

9 degrees = 16%
12 degrees = 22%
15 degrees = 27%
Electromagnetic Interference

ELECTROMAGNETIC INTERFERENCE

CAUTION: IT IS VERY IMPORTANT THAT YOU READ THIS INFORMATION REGARDING THE POSSIBLE EFFECTS OF ELECTROMAGNETIC INTERFERENCE ON YOUR POWERED WHEELCHAIR.

Electromagnetic Interference (EMI) From Radio Wave Sources

Powered wheelchairs and motorized scooters (in this text, both will be referred to as powered wheelchairs) may be susceptible to electromagnetic interference (EMI), which is interfering to electromagnetic energy (EM) emitted from sources such as radio stations, TV stations, amateur radio (HAM) transmitters, two-way radios, and cellular phones. The interference (from radio wave sources) can cause the powered wheelchair to release its brakes, move by itself, or move in unintended directions. It can also permanently damage the powered wheelchair's control system. The intensity of the interfering EM energy can be measured in volts per meter (v/m). Each powered wheelchair can resist EMI up to a certain intensity. This is called its "immunity level." The higher the immunity level, the greater the protection. At this time, current technology is capable of achieving at least a 20 v/m immunity level, which would provide useful protection from the more common sources of radiated EMI.

There are a number of sources of relatively intense electromagnetic fields in the everyday environment. Some of these sources are obvious and easy to avoid. Others are not apparent and exposure is unavoidable. However, we believe that by following the warnings listed below, your risk to EMI will be minimized.

The sources of radiated EMI can be broadly classified into three types:

1) **Hand-held portable transceivers** (transmitters-receivers) with the antenna mounted directly on the transmitting unit. Examples include: citizens band (CB) radios, "walkie talkie," security, fire, and police transceivers, cellular telephones, and other personal communication devices. **NOTE:** Some cellular telephones and similar devices transmit signals while they are ON, even while not being used;

2) **Medium-range mobile transceivers**, such as those used in police cars, fire trucks, ambulances, and taxis. These usually have the antenna mounted on the outside of the vehicle; and

3) **Long-range transmitters and transceivers**, such as commercial broadcast transmitters (radio and TV broadcast antenna towers) and amateur (HAM) radios.

**NOTE:** Other types of hand-held devices, such as cordless phones, laptop computers, AM/FM radios, TV sets, CD players, and cassette players, and small appliances, such as electric shavers and hair dryers, so far as we know, are not likely to cause EMI problems to your powered wheelchair.
Electromagnetic Interference

**Powered Wheelchair Electromagnetic Interference (EMI)**

Because EM energy rapidly becomes more intense as one moves closer to the transmitting antenna (source), the EM fields from hand-held radio wave sources (transceivers are of special concern). It is possible to unintentionally bring high levels of EM energy very close to the powered wheelchair's control system while using these devices. This can affect powered wheelchair movement and braking. Therefore, the warnings listed below are recommended to prevent possible interference with the control system of the powered wheelchair.

**WARNINGS**

Electromagnetic interference (EMI) from sources such as radio and TV stations, amateur radio (HAM) transmitters, two-way radios, and cellular phones can affect powered wheelchairs and motorized scooters. Following the warnings listed below should reduce the chance of unintended brake release or powered wheelchair movement which could result in serious injury.

1) Do not operate hand-held transceivers (transmitters-receivers), such as citizens band (CB) radios, or turn ON personal communications devices, such as cellular phones, while the powered wheelchair is turned ON;

2) Be aware of nearby transmitters, such as radio or TV stations, and try to avoid coming close to them;

3) If unintended movement or brake release occurs, turn the powered wheelchair OFF as soon as it is safe;

4) Be aware that adding accessories or components, or modifying the powered wheelchair, may make it more susceptible to EMI (Note: There is no easy way to evaluate their effect on the overall immunity of the powered wheelchair); and

5) Report all incidents of unintended movement or brake release to the powered wheelchair manufacturer, and note whether there is a source of EMI nearby.

**Important Information**

1) 20 volts per meter (v/m) is a generally achievable and useful immunity level against EMI (as of May 1994) (the higher the level, the greater the protection).

2) □ This model of PaceSaver Scout power wheelchair has an immunity level of 20 volts per meter (20 v/m).

□ The immunity level of this model of PaceSaver Scout power wheelchair is unknown.
Scout Boss 4.5, RF-P4 & RF-P3 Limited Warranty

Leisure-Lift®, Inc. will repair or replace at its option to the original PURCHASER, or to the DEALER any of the following components found upon examination by an authorized representative of Leisure-Lift, Inc. to be defective in material and/or workmanship under normal use and service for a period of . . .

**Lifetime Limited Warranty** on any structural frame components.

**Two Year Limited Warranty** from date of purchase on any of the electronic parts.

- **Year One** 100% (parts cost only)
- **Year Two** 50% (parts cost only)

**Two Year Limited Warranty** on any of the motor and gearbox parts (except motor brushes & brake pads.)

- **Year One** 100% (parts cost only)
- **Year Two** 50% (parts cost only)

**Six Month Warranty** on any plastic components (except body shroud), rubber components, bearings and bushings, casters and anti-tip wheels.

The Manufacturer's Authorized Dealers can perform warranty service. Parts or components should not be returned to the Manufacturer without prior consent. All transportation cost and shipping damage incurred while submitting parts for repair or replacement are the responsibility of the original purchaser.

All parts that are defective, as determined by the factory, will be replaced free of charge within the warranty period (see above warranties for details). This Warranty from Leisure-Lift DOES NOT INCLUDE LABOR, either at your home or at your dealer’s place of business. During the warranty period, Leisure-Lift, Inc. may, at its discretion, determine it is necessary to return the Scout Power Wheelchair to the factory for repair. Leisure-Lift, Inc. will provide parts and labor, at our factory, free of charge for problems considered to be covered under our warranty. The customer is responsible for all freight charges if the power wheelchair is shipped to the factory.

Failure to properly service the power wheelchair at the intervals prescribed by the owners manual, abuse or faulty service may void this limited warranty and can result in charges for parts and service. All rights under this limited warranty must be exercised within 20 days after the end of the warranty.

**Warranty Exclusions:**
- ABS plastic shrouds.
- Batteries (The battery manufacturer covers battery warranty. Leisure-Lift, Inc. does not warrant batteries).
- Tires and Tubes
- Upholstery (seating)
- Repairs and/or modifications made to any part without specific consent from the Manufacturer.
- Circumstances beyond the control of the Manufacturer.
- Damage resulting from operation other than the intended use of the product.
- Damaged Caused By:
  - Battery fluid spillage or leakage
  - Abuse, misuse, accident or negligence
  - Improper operation, maintenance or storage
  - Commercial use or use other than normal
- A change in noise level, particularly relative to motors and gearboxes does not constitute a defect.
  Such devices will inherently exhibit a change in noise level as they wear.

THERE IS NO EXPRESS WARRANTY. IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO ONE YEAR FROM THE DATE OF PURCHASE AND TO THE EXTENT PERMITTED BY THE LAW. ANY AND ALL IMPLIED WARRANTIES ARE EXCLUDED. THERE IS NO EXCLUSIVE REMEDY. LIABILITIES FOR CONSEQUENTIAL DAMAGES UNDER ANY AND ALL WARRANTIES ARE EXCLUDED.

Warranty cards should be completed and returned by the original purchaser to the Manufacturer in a timely manner. Leisure-Lift® and PaceSaver® are registered trademarks. Scout™, Boss 4.5™, RF-P3™, RF-P4™ and Com-For-Back™ are all trademarks of Leisure-Lift®, Inc.

© 2005 Leisure-Lift®, Inc. All rights reserved.
Dear Friend:

Thank you so much for your purchase of a PaceSaver Scout power wheelchair! We value your trust in us and we will do everything we can to keep you happy. You're in a special group now. Thousands of people before you have trusted Leisure-Lift to provide them with the highest quality mobility products available. They and you have made PaceSaver the most valuable power wheelchair around.

We hope that you have read the Owners Manual completely, and that you understand all of the safety precautions and recommendations that apply to your particular power wheelchair. If you have any questions, please ask your PaceSaver dealer. They can help explain any points that you do not understand.

In addition, your dealer will be glad to help you with any of your other PaceSaver needs. Situated close to you, they are in the best position to provide you with assistance and service.

The enclosed warranty card must be filled out in order for Leisure-Lift to:

1. effectively warranty your product in case of a problem
2. to properly follow the guidelines laid down by the Food & Drug Administration and to
3. allow us to locate you in the event of a product recall or modification

We also ask several questions about you to help us better understand the needs of our customers. The information you provide us helps to keep our power wheelchairs at the leading edge of quality and functionality and we hope that we can count on you to help us. Leisure-Lift always values the options of our customers and you may write us at any time to relate to us your "PaceSaver Experience" good (or not so good).

**REMEMBER. . .**
It is in your best interest to see that you (not your dealer) properly complete this card and see that it is returned to Leisure-Lift.

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**Yes,** I want to register my warranty and apply for my  
**“EXTENDED LIMITED WARRANTY”!**

I have

1. Enclosed my proof of purchase and
2. Completely filled out the registration information below.

Please send me my Warranty Certificate by return mail. I understand that I must have the certificate to receive extended coverage and that if I do not receive my warranty certificate within 30 days, I should contact the dealership from whom I purchased the unit.

**DEALER NAME** (if different from above)_____________________
**YOUR NAME** __________________________________________
**ADD1** _________________________________________________
**ADD2** __________________________________________________
**CITY, ST, ZIP** _________________________________________
**PHONE___/________________ Date Purchased __/__/____

This Warranty has been sponsored by my dealer

**YES, please send me my Extended Warranty Certificate.**
I certify that I have read and understand the owners manual and all of the safety information contained within.

(sign)__________________________

**For Service Call**

Dealer: ______________________
City, St,: _____________________

**Your Serial Number is:__________**

To help us better understand our customers, we would like to know a little about you. Please fill in all the information you can.

**AGE:_____ WEIGHT:___________ HEIGHT:___________**