

## **Breezy 100/150 Wheelchair**

User

Instruction

Manual &

Warranty



**SUNRISE LISTENS**

Thank you for choosing a Breezy 100/150 wheelchair. We want to hear your questions or comments about this manual, the safety and reliability of your chair, and the service you receive from your supplier. Please feel free to write or call us at the address and telephone number below:

**SUNRISE HOME HEALTHCARE GROUP**

Personal Care Products Division  
745 Design Court, #602  
Chula Vista, CA 91911  
phone: (800) 333-4000  
email: customer.service@sunmed.com

Please complete the warranty card below, and let us know if you change your address. This will allow us to keep you up to date with information about safety, new products and options to increase your use and enjoyment of this wheelchair. If you lose your warranty card, call or write and we will gladly send you a new one.

**FOR ANSWERS TO YOUR QUESTIONS**

Your authorized supplier knows your wheelchair best, and can answer most of your questions about chair safety, use and maintenance. For future reference, fill in the following:

Supplier: \_\_\_\_\_

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

Telephone: \_\_\_\_\_

Serial #: \_\_\_\_\_ Date/Purchased: \_\_\_\_\_

(Located on Cross Brace)

## II. TABLE OF CONTENTS

<b>I. INTRODUCTION</b> .....	3
<b>II. TABLE OF CONTENTS</b> .....	4
<b>III. YOUR CHAIR AND IT'S PARTS</b> .....	6
A. Specifications .....	7
<b>IV. READ BEFORE USE</b> .....	8
A. Choose the Right Chair and Safety Options .....	8
B. Review This Manual Often .....	8
C. Warnings .....	8
1. V — General Warnings .....	8
2. VI — Falls & Tip-Overs .....	8
3. VII — For Safe Use .....	8
4. VIII — Components & Options .....	8
<b>V. GENERAL WARNINGS</b> .....	9
A. Weight Limit .....	9
B. Weight Training .....	9
C. Getting To Know Your Chair .....	9
D. To Reduce the Risk of an Accident .....	9
E. Safety Checklist .....	10
F. Changes & Adjustments .....	10
G. Environmental Conditions .....	10
H. Terrain .....	11
I. Street Use .....	11
J. Motor Vehicle Safety .....	11
K. When You Need Help .....	12
<b>VI. WARNINGS: FALLS &amp; TIP-OVERS</b> .....	13
A. Center of Balance .....	13
B. Dressing or Changing Clothes .....	13
C. Wheelies .....	14
D. Obstacles .....	14
E. Reaching or Leaning .....	15
F. Moving Backward .....	16
G. Ramps, Slopes & Side Hills .....	16
H. Transfer .....	17
I. Curbs & Steps .....	18
J. Stairs .....	18
K. Escalators .....	18
<b>VII. WARNINGS: FOR SAFE USE</b> .....	19
A. Descending a Curb or Single Step .....	19
B. Climbing a Curb or Single Step .....	19
C. Climbing Stairs .....	20
D. Descending Stairs .....	20
E. Maintenance .....	20
<b>VIII. WARNINGS: COMPONENTS &amp; OPTIONS</b> .....	21
A. Anti-Tip Tubes (Optional) .....	21
B. Armrests .....	21
C. Cushions & Seat Slings .....	21
D. Fasteners .....	22
E. Footrests .....	22
F. Power Drive .....	22
G. Push Handles .....	23
H. Rear Wheels .....	23
I. Rear Wheel Locks .....	24
J. Modified Seating Systems .....	24
K. Upholstery Fabric .....	24

## II. TABLE OF CONTENTS

<b>IX. CHAIR BASICS</b> .....	25
A. To Fold & Unfold Chair .....	25
1. To Fold Chair: .....	25
2. To Unfold Chair: .....	25
<b>X. SET UP &amp; ADJUSTMENT</b> .....	26
A. Set-Up .....	26
1. Fasteners .....	26
2. Washers & Spacers .....	26
B. Tools .....	26
1. Basic Tool Kit .....	26
2. Torque Wrench .....	26
C. To Find & Correct a Problem .....	27
D. Standard & Low Front (Hemi) Seat Heights .....	28
1. Adjustment to 17 1/2" Seat Height .....	28
Front Casters .....	29
Rear Wheels: .....	28
E. Detachable Armrests .....	30
1. Installation .....	30
2. Removal .....	30
F. Swing-Away Footrests .....	31
1. Installation .....	31
2. Removal .....	31
3. Footplate Height-Adjustment .....	32
4. Changing Footrest from Left to Right .....	32
5. Adjusting Position of Release Lever .....	32
G. Elevating Legrest (Optional) .....	33
1. Installation .....	33
2. Adjustment .....	33
3. Changing Elevating Legrest Direction From Left to Right .....	33
4. Lowering Elevating Legrest for Hemi Seat Height (17 1/2") .....	34
<b>XI. MAINTENANCE</b> .....	35
A. Introduction .....	35
B. Maintenance Chart .....	35
C. Maintenance Tips .....	36
1. Axles & Axle Sleeves: .....	36
D. Cleaning .....	36
1. Paint Finish .....	36
2. Axles and Moving Parts .....	36
3. Upholstery .....	36
E. Storage Tips .....	36
<b>XII. WARRANTY</b> .....	37
A. 5 Year Limited Warranty .....	37
B. For Three (3) Years .....	37
C. For One (1) Year .....	37
D. Limitations .....	37
E. What We Will Do .....	38
F. What You Must Do .....	38
G. Notice To Consumer .....	38

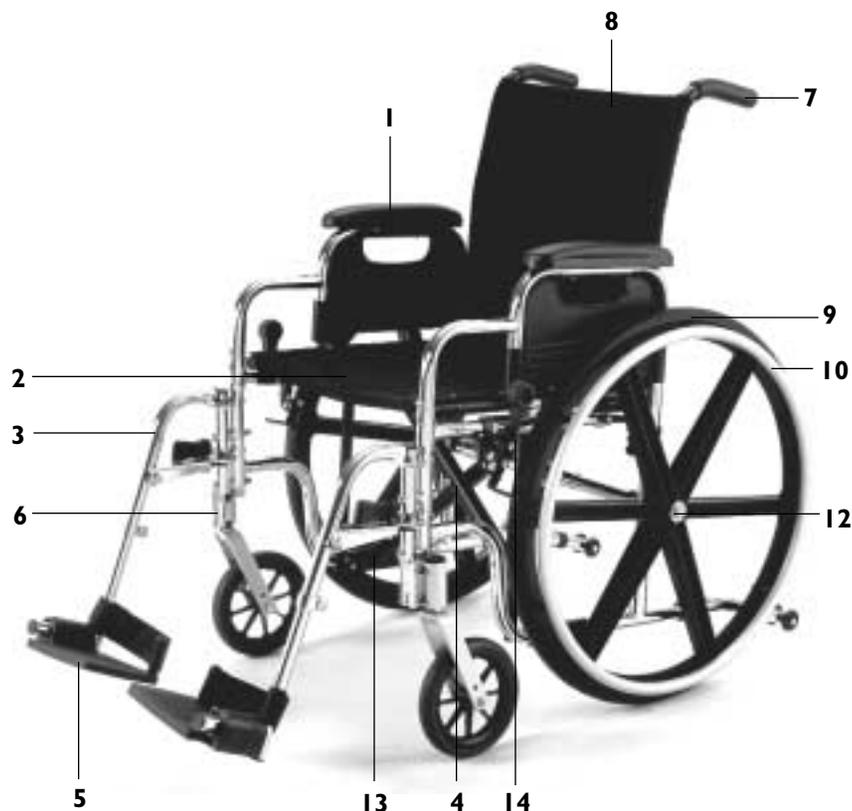
III. YOUR CHAIR AND IT'S PARTS



**BREEZY 100**

- |   |  |
|---|--|
| 1. Removable armrest  | 8. Padded backrest                             |
| 2. Padded seat sling  | 9. 24" over molded tire with 6-spoke mag wheel |
| 3. Swing-away footrest  | 10. Handrim                                    |
| 4. Crossbrace   | 11. Side frame                                 |
| 5. Flip-up composite footplate  | 12. Threaded axle                              |
| 6. Bolt-On Front End - Caster housing, fork, and 8" wheel with over molded tire | 13. Swing-away release latch                   |
| 7. Push handle  | 14. Wheellock                                  |

III. YOUR CHAIR AND IT'S PARTS



**BREEZY 150**

- |   |  |
|---|--|
| 1. Removable armrest  | 8. Padded backrest                             |
| 2. Padded seat sling  | 9. 24" over molded tire with 6-spoke mag wheel |
| 3. Swing-away footrest  | 10. Handrim                                    |
| 4. Crossbrace   | 11. Side frame                                 |
| 5. Flip-up composite footplate  | 12. Threaded axle                              |
| 6. Bolt-On Front End - Caster housing, fork, and 8" wheel with over molded tire | 13. Swing-away release latch                   |
| 7. Push handle  | 14. Wheellock                                  |

## IV. READ BEFORE USE

### A. CHOOSE THE RIGHT CHAIR & SAFETY OPTIONS

Sunrise provides a choice of many wheelchair styles to meet the needs of the wheelchair rider. However, final selection of the type of wheelchair, options and adjustments rests solely with **you** and **your health care advisor**. Choosing the best chair and set-up for your safety depends on such things as:

1. Your disability, strength, balance and coordination.
2. The types of hazards you must overcome in daily use (where you live and work, and other places you are likely to use your chair).
3. The need for options for your safety and comfort (such as anti-tip tubes, positioning belts, or special seating systems).

### B. REVIEW THIS MANUAL OFTEN

Before using this chair you, and each person who may assist you, should read this entire manual and make sure to follow all instructions. Review the warnings often, until they are second nature to you.

### C. WARNINGS

The word **“WARNING”** refers to a hazard or unsafe practice that may cause **severe injury or death** to you or to other persons. The “Warnings” are in three main sections, as follows:

#### 1. V — GENERAL WARNINGS

Here you will find a safety checklist and a summary of risks you need to be aware of before you ride this chair.

#### 2. VI — WARNINGS — FALLS & TIP-OVERS

Here you will learn how to avoid a fall or tip-over while you perform daily activities in your chair.

#### 3. VII — WARNINGS — FOR SAFE USE

HERE YOU WILL LEARN ABOUT PRACTICES FOR THE SAFE USE OF YOUR CHAIR

#### 4. VIII — WARNINGS — COMPONENTS & OPTIONS

Here you will learn about the components of your chair and options you can select for safety. Consult your authorized supplier and your health care advisor to help you choose the best set-up and options for safe use.

**Note:** Where they apply, you will also find “Warnings” in other sections of this manual. Heed all warnings in this section. If you fail to do so a fall, tip-over or loss of control may occur and cause severe injury to the rider or others.

## V. GENERAL WARNINGS

### A. WEIGHT LIMIT

#### WARNING

NEVER exceed the weight limit of 250 pounds (113.6 kilograms), for combined weight of rider and items carried. If you do exceed the limit, damage to your chair, a fall, tip-over or loss of control may occur and cause severe injury to the rider or others.

### B. WEIGHT TRAINING

#### WARNING

NEVER use this chair for weight training if total weight (rider plus equipment) exceeds 250 pounds. If you do exceed the limit, damage to your chair, a fall, tip-over or loss of control may occur and cause severe injury to the rider or others.

### C. GETTING TO KNOW YOUR CHAIR

#### WARNING

Every wheelchair is different. Take the time to learn the feel of this chair before you begin riding. Start slowly, with easy, smooth strokes. If you are used to a different chair, you may use too much force and tip over. If you use too much force, damage to your chair, a fall, tip-over or loss of control may occur and cause severe injury to the rider or others.

### D. TO REDUCE THE RISK OF AN ACCIDENT

#### WARNING

1. BEFORE riding, you should be trained in the safe use of this chair by your health care advisor.
2. After engaging wheellocks, practice bending, reaching and transfers until you know the limit of your ability. Have someone help you until you know what can cause a fall or tip-over and how to avoid doing so.
3. Be aware that you must develop your own methods for safe use best suited to your level of function and ability.
4. NEVER try a new maneuver on your own until you are sure you can do it safely.
5. Get to know the areas where you plan to use your chair. Look for hazards and learn how to avoid them.
6. Use anti-tip tubes unless you are a skilled rider of this chair and are sure you are not at risk to tip over.

If you fail to heed these warnings damage to your chair, a fall, tip-over or loss of control may occur and cause severe injury to the rider or others.

**E. SAFETY CHECKLIST**

**⚠ WARNING**

Before Each Use Of Your Chair:

1. Make sure the chair rolls easily and that all parts work smoothly. Check for noise, vibration, or a change in ease of use. (They may indicate loose fasteners, or damage to your chair).
2. Repair any problem. Your authorized supplier can help you find and correct the problem.
3. If your chair has anti-tip tubes, lock them in place.

**Note:** See “Anti-Tip Tubes” (Section VIII) for times you should not use them.

If you fail to heed these warnings damage to your chair, a fall, tip-over or loss of control may occur and cause severe injury to the rider or others.

**F. CHANGES & ADJUSTMENTS**

**⚠ WARNING**

1. If you modify or adjust this chair, it may increase the risk of a tip-over UNLESS you make other changes as well.
2. Always, consult your authorized supplier BEFORE you modify or adjust your chair.
3. We recommend that you use anti-tip tubes until you adapt to the change, and are sure you are not at risk to tip over.
4. Unauthorized modifications or use of parts not supplied or approved by Sunrise may change the chair structure. This will void the warranty and may cause a safety hazard.

If you fail to heed these warnings damage to your chair, a fall, tip-over or loss of control may occur and cause severe injury to the rider or others.

**G. ENVIRONMENTAL CONDITIONS**

**⚠ WARNING**

1. Use extra care if you must ride your chair on a wet or slick surface. If you are in doubt, ask for help.
2. Contact with water or excess moisture may cause your chair to rust or corrode. This could cause your chair to fail.
  - a. Do not use your chair in a shower, pool or other body of water. The chair tubing and parts are not water-tight and may rust or corrode from the inside.
  - b. Avoid excess moisture (for example, do not leave your chair in a damp bathroom while taking a shower).
  - c. Dry your chair as soon as you can if it gets wet, or if you use water to clean it.

If you fail to heed these warnings damage to your chair, a fall, tip-over or loss of control may occur and cause severe injury to the rider or others.

**H. TERRAIN**

**⚠ WARNING**

1. Your chair is designed for use on firm, even surfaces such as concrete, asphalt and indoor floors and carpeting.
2. Do not operate your chair in sand, loose soil or over rough terrain. This may damage wheels or axles, or loosen fasteners of your chair.

If you fail to heed these warnings damage to your chair, a fall, tip-over or loss of control may occur and cause severe injury to the rider or others.

**I. STREET USE**

**⚠ WARNING**

In most states, wheelchairs are not legal for use on public roads. Be alert to the danger of motor vehicles on roads or in parking lots.

1. At night, or when lighting is poor, use reflective tape on your chair and clothing.
  2. Due to your low position, it may be hard for drivers to see you. Make eye contact with drivers before you go forward. When in doubt, yield until you are sure it is safe.
- If you fail to heed these warnings damage to your chair, a fall, tip-over or loss of control may occur and cause severe injury to the rider or others.

**J. MOTOR VEHICLE SAFETY**

**⚠ WARNING**

Breezy wheelchairs do not meet federal standards for motor vehicle seating.

1. NEVER let anyone sit in this chair while in a moving vehicle.
  - a. ALWAYS move the rider to an approved vehicle seat.
  - b. ALWAYS secure the rider with proper motor vehicle restraints.
2. In an accident or sudden stop the rider may be thrown from the chair. Wheelchair seat belts will not prevent this, and further injury may result from the belts or straps.
3. NEVER transport this chair in the front seat of a vehicle. It may shift and interfere with the driver.
4. ALWAYS secure this chair so that it cannot roll or shift.
5. Do not use any chair that has been involved in a motor vehicle accident.

If you fail to heed these warnings damage to your chair, a fall, tip-over or loss of control may occur and cause severe injury to the rider or others.

**K. WHEN YOU NEED HELP**

**▲ WARNING**

**For The Rider:**

Make sure that each person who helps you reads and follows all warnings and instructions that apply.

**For Attendants:**

1. Work with the wheelchair user's doctor, nurse or therapist to learn safe methods best suited to your abilities and those of the wheelchair user.
2. Tell the wheelchair user what you plan to do, and explain what you expect the wheelchair user to do. This will put the wheelchair user at ease and reduce the risk of an accident.
3. Make sure the chair has push handles. They provide secure points for you to hold the rear of the chair to prevent a fall or tip-over. Check to make sure push handle grips will not rotate or slip off.
4. To prevent injury to your back, use good posture and proper body mechanics. When you lift or support the wheelchair user or tilt the chair, bend your knees slightly and keep your back as upright and straight as you can.
5. Remind the wheelchair user to lean back when you tilt the chair backward.
6. To avoid tripping, unlock and rotate anti-tip tubes up, out of the way. **ALWAYS** lock the rear wheels and lock anti-tip tubes in place if you must leave the wheelchair user alone, even for a moment. This will reduce the risk of a tip over or loss of control of the chair.
7. For instructions on descending a curb or single step please refer to: **(p. 19 sec A. Descending a Curb or Single Step).**

If you fail to heed these warnings damage to your chair, a fall, tip-over or loss of control may occur and cause severe injury to the wheelchair user or others.

**A. CENTER OF BALANCE**

**▲ WARNING**

The point where this chair will tip forward, back, or to the side depends on its center of balance and stability. How your chair is set up, the options you select and the changes you make may affect the risk of a fall or tip-over.

1. The Most Important Adjustments Are:
  - a. The position of the rear wheels. The more you move the rear wheels toward the casters, the more likely your chair will tip over backward.
2. The Center Of Balance Is Also Affected By:
  - a. A change in the set-up of your chair, including:
    - The distance between the rear wheels.
    - Seating system consisting of cushion and or back support.
    - The seat height and seat angle.
    - Backrest angle.
  - b. A change in your body position, posture or weight distribution.
  - c. Riding your chair on a ramp or slope.
  - d. The use of a back pack or other options, and the amount of added weight.
3. To Reduce The Risk Of An Accident:
  - a. Consult your doctor, nurse or therapist to find out what axle and caster position is best for you.
  - b. Consult your authorized supplier **BEFORE** you modify or adjust this chair. Be aware that you may need to make other changes to correct the center of balance.
  - c. Have someone help you until you know the balance points of your chair and how to avoid a tip-over.
  - d. Use anti-tip tubes.

If you fail to heed these warnings damage to your chair, a fall, tip-over or loss of control may occur and cause severe injury to the wheelchair user or others.

**B. DRESSING OR CHANGING CLOTHES**

**▲ WARNING**

Your weight may shift if you dress or change clothes while seated in this chair.

To reduce the risk of a fall or tip-over:

1. Rotate the front casters until they are as far forward as possible. This makes the chair more stable.
2. Lock anti-tip tubes in place. (If your chair does not have anti-tip tubes, back it up against a wall and lock both rear wheels).
3. Engage your wheellocks.

If you fail to heed these warnings damage to your chair, a fall, tip-over or loss of control may occur and cause severe injury to the wheelchair user or others.

**C. WHEELIES**

**⚠ WARNING**

Doing a “wheelie” means balancing on the rear wheels of your chair while the front casters are in the air. It is dangerous to do a “wheelie” as a fall or tip-over may occur. However, if you do it safely, a “wheelie” can help you overcome curbs and obstacles.

1. Consult your doctor, nurse or therapist to find out if you are a good candidate to learn to do a “wheelie.”
2. Do not attempt a “wheelie” UNLESS you are a skilled wheelchair user of this chair, or you have help.

If you fail to heed these warnings damage to your chair, a fall, tip-over or loss of control may occur and cause severe injury to the wheelchair user or others.

**D. OBSTACLES**

**⚠ WARNING**

Obstacles and road hazards (such as potholes and broken pavement) can damage your chair and may cause a fall, tip-over or loss of control.

To avoid these risks:

1. Keep a lookout for danger – scan the area well ahead of your chair as you ride.
2. Make sure the floor areas where you live and work are level and free of obstacles.
3. Remove or cover threshold strips between rooms.
4. Install a ramp at entry or exit doors. Make sure there is not a drop off at the bottom of the ramp.
5. To Help Correct Your Center Of Balance:
  - a. Lean your upper body FORWARD slightly as you go UP over an obstacle.
  - b. Press your upper body BACKWARD as you go DOWN from a higher to a lower level.
6. If your chair has anti-tip tubes, lock them in place before you go UP over an obstacle.
7. Keep both of your hands on the handrims as you go over an obstacle.
8. Never push or pull on an object (such as furniture or a doorjamb) to propel your chair.

If you fail to heed these warnings damage to your chair, a fall, tip-over or loss of control may occur and cause severe injury to the wheelchair user or others.

**E. REACHING OR LEANING**

**⚠ WARNING**

If you reach or lean it will affect the center of balance of your chair. This may cause you to fall or tip over. When in doubt, ask for help or use a device to extend your reach.

1. NEVER reach or lean if you must shift your weight sideways or rise up off the seat.
2. NEVER reach or lean if you must move forward in your seat to do so. Always keep your buttocks in contact with the backrest.
3. NEVER reach with both hands (you may not be able to catch yourself to prevent a fall if the chair tips).
4. NEVER reach or lean to the rear unless your chair has anti-tip tubes locked in place.
5. DO NOT reach or lean over the top of the seat back. This may damage one or both backrest tubes and cause you to fall.
6. If You Must Reach Or Lean:
  - a. Do not lock the rear wheels. This creates a tip point and makes a fall or tip-over more likely.
  - b. Do not put pressure on the footrests.

**Note:** Leaning forward puts pressure on the footrests and may cause the chair to tip if you lean too far.

- c. Move your chair as close as you can to the object you wish to reach.
- d. Do not try to pick up an object from the floor by reaching down between your knees. You are less likely to tip if you reach to the side of your chair.
- e. Rotate the front casters until they are as far forward as possible. This makes the chair more stable.

**Note:** To do this: Move your chair past the object you want to reach, then back up alongside it. Backing up will rotate the casters forward.

- f. Firmly grasp a rear wheel or an armrest with one hand. This will help to prevent a fall if the chair tips.

If you fail to heed these warnings damage to your chair, a fall, tip-over or loss of control may occur and cause severe injury to the wheelchair user or others.

**F. MOVING BACKWARD**

**⚠ WARNING**

Use extra care when you move your chair backward. Your chair is most stable when you propel yourself forward. You may lose control or tip over if one of the rear wheels hits an object and stops rolling.

1. PROPEL YOUR CHAIR SLOWLY AND SMOOTHLY.
2. IF YOUR CHAIR HAS ANTI-TIP TUBES, MAKE SURE TO LOCK THEM IN PLACE.
3. Stop often and check to be sure your path is clear.

If you fail to heed these warnings damage to your chair, a fall, tip-over or loss of control may occur and cause severe injury to the wheelchair user or others.

**G. RAMPS, SLOPES & SIDE HILLS**

**⚠ WARNING**

Riding on a slope, which includes a ramp or side hill, will change the center of balance of your chair. Your chair is less stable when it is at an angle. Anti-tip tubes may not prevent a fall or tip-over.

1. Do not use your chair on a slope steeper than 10%. (A 10% slope means: one foot in elevation for every ten feet of slope length.)
2. Always go as straight up and as straight down as you can. (Do not “cut the corner” on a slope or ramp.)
3. Do not turn or change direction on a slope.
4. Always stay in the CENTER of the ramp. Make sure ramp is wide enough that you are not at risk that a wheel may fall over the edge.
5. Do not stop on a steep slope. If you stop, you may lose control of your chair.
6. NEVER use rear wheel locks to try to slow or stop your chair. This is likely to cause your chair to veer out of control.
7. Beware Of:
  - a. Wet or slippery surfaces.
  - b. A change in grade on a slope (or a lip, bump or depression). These may cause a fall or tip-over.
  - c. A drop-off at the bottom of a slope. A drop-off of as small as 3/4 inch can stop a front caster and cause the chair to tip forward.
8. To Reduce The Risk Of A Fall Or Tip-Over:
  - a. Lean or press your body UPHILL. This will help adjust for the change in the center of balance caused by the slope or side hill.
  - b. Keep pressure on the handrims to control your speed on a down slope. If you go too fast you may lose control.
  - c. Ask for help any time you are in doubt.

9. Ramps At Home & Work - For your safety, ramps at home and work must meet all legal requirements for your area. We recommend:
  - a. Width. At least four feet wide.
  - b. Guardrails. To reduce the risk of a fall, sides of ramp must have guardrails (or raised borders at least three inches high).
  - c. Slope. Not more than a 10% grade.
  - d. Surface. Flat and even, with a thin carpet or other non-skid material. (Make sure there is no lip, bump or depression.)
  - e. Bracing. Ramp must be STURDY. You may need bracing so ramp does not “bow” when you ride on it.
  - f. Avoid A Drop Off. You may need a section at the top or bottom to smooth out the transition.

If you fail to heed these warnings damage to your chair, a fall, tip-over or loss of control may occur and cause severe injury to the wheelchair user or others.

**H. TRANSFER**

**⚠ WARNING**

It is dangerous to transfer on your own. It requires good balance and agility. Be aware that there is a point during every transfer when the wheelchair seat is not below you. To Avoid A Fall:

1. Work with your health care advisor to learn safe methods.
  - a. Learn how to position your body and how to support yourself during a transfer.
  - b. Have someone help you until you know how to do a safe transfer on your own.
2. Lock the rear wheels before you transfer. This keeps the rear wheels from rolling.

**Note:** This will NOT keep your chair from sliding away from you or tipping.
3. Move your chair as close as you can to the seat you are transferring to. If possible, use a transfer board.
4. Rotate the front casters until they are as far forward as possible.
5. If you can, remove or swing footrests out of the way.
  - a. Make sure your feet do not catch in the space between the footrests.
  - b. Avoid putting weight on the footrests as this may cause the chair to tip.
6. Make sure armrests are out of the way and do not interfere.
7. Transfer as far back onto the seat surface as you can. This will reduce the risk that the chair will tip or move away from you.

If you fail to heed these warnings damage to your chair, a fall, tip-over or loss of control may occur and cause severe injury to the wheelchair user or others.

## VI. WARNINGS: FALLS & TIP-OVERS

### I. CURBS & STEPS

#### WARNING

1. Each person who helps you should read and follow the warnings “For Safe Use” (Section VII).
2. Do not try to climb or descend a curb or step alone UNLESS you are a skilled wheelchair user of this chair and:
  - a. You can safely do a “wheelie”; and
  - b. You are sure you have the strength and balance to do so.
3. Unlock and rotate anti-tip tubes up, out of the way, so they do not interfere.
4. Do not try to climb a high curb or step (more than 4 inches high) UNLESS you have help. Doing so may cause your chair to exceed its balance point and tip over.
5. Go straight up and straight down a curb or step. If you climb or descend at an angle, a fall or tip-over is likely.
6. Be aware that the impact of dropping down from a curb or step can damage your chair or loosen fasteners.

If you fail to heed these warnings damage to your chair, a fall, tip-over or loss of control may occur and cause severe injury to the wheelchair user or others.

### J. STAIRS

#### WARNING

1. NEVER use this chair on stairs UNLESS you have someone to help you. Doing so is likely to cause a fall or tip-over.
2. Persons who help you should read and follow the warnings “For Attendants” (p. 12), and the “For Safe Use” (Section VII).

If you fail to heed these warnings damage to your chair, a fall, tip-over or loss of control may occur and cause severe injury to the wheelchair user or others.

### K. ESCALATORS

#### WARNING

NEVER use this chair on an escalator, even with an attendant. If you do, a fall or tip-over is likely.

If you fail to heed these warnings damage to your chair, a fall, tip-over or loss of control may occur and cause severe injury to the wheelchair user or others.

## VII. WARNINGS: FOR SAFE USE

#### WARNING

Before you assist a wheelchair user, be sure to read the warnings “For Attendants” (p. 12) and follow all instructions that apply. Be aware that you will need to learn safe methods best suited to your abilities.

### A. DESCENDING A CURB OR SINGLE STEP

#### WARNING

Follow these steps to help a wheelchair user descend a curb or single step going BACKWARD:

1. Stay at the rear of the chair.
2. Several feet before you reach the edge of the curb or step, turn the chair around and pull it backward.
3. While looking over your shoulder, carefully step back until you are off the curb or stair and standing on the lower level.
4. Pull the chair toward you until the rear wheels reach the edge of the curb or step. Then allow the rear wheels to slowly roll down onto the lower level.
5. When the rear wheels are safely on the lower level, tilt the chair back to its balance point. This will lift the front casters off the curb or step.
6. Keep the chair in balance and take small steps backward. Turn the chair around and gently lower front casters to the ground.

If you fail to heed these warnings damage to your chair, a fall, tip-over or loss of control may occur and cause severe injury to the wheelchair user or others.

### B. CLIMBING A CURB OR SINGLE STEP

#### WARNING

Follow these steps to help the wheelchair user climb a curb or single step going FORWARD:

1. Stay behind the chair.
2. Face the curb and tilt the chair up on the rear wheels so that the front casters clear the curb or step.
3. Move forward, placing the front casters on the upper level as soon as you are sure they are past the edge.
4. Continue forward until the rear wheels contact the face of the curb or step. Lift and roll the rear wheels to the upper level.

If you fail to heed these warnings damage to your chair, a fall, tip-over or loss of control may occur and cause severe injury to the wheelchair user or others.

## **▲ VII. WARNINGS: FOR SAFE USE**

### **C. CLIMBING STAIRS**

#### **▲ WARNING**

1. Use at least two attendants to move a chair and wheelchair user up stairs.
2. Move the chair and wheelchair user **BACKWARD** up the stairs.
3. The person at the rear is in control. He or she tilts the chair back to its balance point.
4. A second attendant at the front firmly grasps a non-detachable part of the front frame and lifts the chair up and over one stair at a time.
5. The attendants move to the next stair up. Repeat for each stair, until you reach the landing.

If you fail to heed these warnings damage to your chair, a fall, tip-over or loss of control may occur and cause severe injury to the wheelchair user or others.

### **D. DESCENDING STAIRS**

#### **▲ WARNING**

1. Use at least two attendants to move a chair and wheelchair user down stairs.
2. Move the chair and wheelchair user **FORWARD** down the stairs.
3. The person at the rear is in control. He or she tilts the chair to the balance point of the rear wheels and rolls it to the edge of the top step.
4. A second attendant stands on the third step from the top and grasps the chair frame. He or she lowers the chair one step at a time by letting the rear wheels roll over the stair edge.
5. The attendants move to the next stair down. Repeat for each stair, until you reach the landing.

If you fail to heed these warnings damage to your chair, a fall, tip-over or loss of control may occur and cause severe injury to the wheelchair user or others.

### **E. MAINTENANCE**

#### **▲ WARNING**

1. Inspect and maintain this chair strictly per chart.
2. If you detect a problem, make sure to service or repair the chair before use.
3. At least once a year, have a complete inspection, safety check and service of your chair made by an authorized supplier.

If you fail to heed these warnings damage to your chair, a fall, tip-over or loss of control may occur and cause severe injury to the wheelchair user or others. For additional maintenance information see Section XII: Maintenance.

## **▲ VIII. WARNINGS: COMPONENTS & OPTIONS**

### **A. ANTI-TIP TUBES (OPTIONAL)**

#### **▲ WARNING**

Anti-tip tubes can help keep your chair from tipping over backward in most normal conditions.

1. Sunrise Recommends Use Of Anti-Tip Tubes:
  - a. **UNLESS** you are a skilled wheelchair user of this chair and are sure you are not at risk to tip over.
  - b. Each time you modify or adjust your chair. The change may make it easier to tip backward. Use anti-tip tubes until you adapt to the change, and are sure you are not at risk to tip over.
2. When locked in place (in the “correct” position) anti-tip tubes should be **BETWEEN 1 1/2 to 2 inches** off the ground.
  - a. If set too **HIGH**, they may not prevent a tip-over.
  - b. If set too **LOW**, they may “hang up” on obstacles you can expect in normal use. If this occurs, you may fall or your chair may tip over.
3. Keep Anti-Tip Tubes Locked In Place **UNLESS**:
  - a. You have an attendant; or
  - b. You have to climb or descend a curb, or overcome an obstacle, and can safely do so without them. At these times, make sure anti-tip tubes are up, out of the way.

If you fail to heed these warnings damage to your chair, a fall, tip-over or loss of control may occur and cause severe injury to the wheelchair user or others.

### **B. ARMRESTS**

#### **▲ WARNING**

Armrests detach and will not bear the weight of this chair.

1. **NEVER** lift this chair by its armrests. They may come loose or break.
2. Lift this chair only by non-detachable parts of the main frame.

If you fail to heed these warnings damage to your chair, a fall, tip-over or loss of control may occur and cause severe injury to the wheelchair user or others.

### **C. CUSHIONS & SLING SEATS**

#### **▲ WARNING**

1. Breezy sling seats and standard foam cushions are not designed for the relief of pressure.
  2. If you suffer from pressure sores, or if you are at risk that they will occur, you may need a special seating system or a device to control your posture. Consult your doctor, nurse or therapist to find out if you need such a device for your well-being.
- If you fail to heed these warnings damage to your chair, a fall, tip-over or loss of control may occur and cause severe injury to the wheelchair user or others.

**D. FASTENERS**

**⚠ WARNING**

Many of the screws, bolts and nuts on this chair are special high-strength fasteners. Use of improper fasteners may cause your chair to fail.

1. **ONLY** use fasteners provided by an authorized supplier (or ones of the same type and strength, as indicated by the markings on the heads).
2. Over- or under-tightened fasteners may fail or cause damage to chair parts.
3. If bolts or screws become loose, tighten them as soon as you can.

If you fail to heed these warnings damage to your chair, a fall, tip-over or loss of control may occur and cause severe injury to the wheelchair user or others.

**E. FOOTRESTS**

**⚠ WARNING**

1. At the lowest point, footrests should be **AT LEAST 2 1/2 INCHES** off the ground. If set too **LOW**, they may “hang up” on obstacles you can expect to find in normal use. This may cause the chair to stop suddenly and tip forward.
2. To Avoid A Trip Or Fall When You Transfer:
  - a. Make sure your feet do not “hang up” or get caught in the space between the footrests.
  - b. Avoid putting weight on the footrests, as the chair may tip forward.
3. **NEVER** lift this chair by the footrests. Footrests detach and will not bear the weight of this chair. Lift this chair only by non-detachable parts of the main frame.

If you fail to heed these warnings damage to your chair, a fall, tip-over or loss of control may occur and cause severe injury to the wheelchair user or others.

**F. POWER DRIVE**

**⚠ WARNING**

Do not install a power drive on any Breezy wheelchair. If you do:

1. It will affect the center of balance of your chair and may cause a fall or tip-over.
2. It will alter the frame and void the warranty.

If you fail to heed these warnings damage to your chair, a fall, tip-over or loss of control may occur and cause severe injury to the wheelchair user or others.

**G. PUSH HANDLES**

**⚠ WARNING**

When you have a attendant, make sure that this chair has push handles.

1. Push handles provide secure points for an attendant to hold the rear of this chair, to prevent a fall or tip-over. Make sure to use push handles when you have an attendant.
2. Check to make sure push handle grips will not rotate or slip off.

If you fail to heed these warnings damage to your chair, a fall, tip-over or loss of control may occur and cause severe injury to the wheelchair user or others.

**H. REAR WHEELS**

**⚠ WARNING**

A change in set-up of the rear wheels will affect the center of balance of your chair.

1. The farther you move the rear axles **FORWARD**, the more likely it is that your chair will tip over backward.
2. Consult your doctor, nurse or therapist to find the best rear axle set-up for your chair. Do not change the set-up **UNLESS** you are sure you are not at risk to tip over.
3. Adjust the rear wheel locks after you make any change to the rear axles.
  - a. If you fail to do so, the wheellocks may not work.
  - b. Make sure the wheellock arm embeds in each tire at least 1/8" when locked.

If you fail to heed these warnings damage to your chair, a fall, tip-over or loss of control may occur and cause severe injury to the wheelchair user or others.

## ▲ VIII. WARNINGS: COMPONENTS & OPTIONS

### I. REAR WHEEL LOCKS

#### ▲ WARNING

Rear wheel locks are NOT designed to slow or stop a moving wheelchair. Use them only to keep the rear wheels from rolling when your chair is at a complete stop.

1. NEVER use rear wheel locks to try to slow or stop your chair when it is moving. Doing so may cause you to veer out of control.
2. To keep the rear wheels from rolling, always set both rear wheel locks when you transfer to or from your chair.
3. Make sure wheellock arms embed in tires at least 1/8 inch when locked. If you fail to do so, the locks may not work.

If you fail to heed these warnings damage to your chair, a fall, tip-over or loss of control may occur and cause severe injury to the wheelchair user or others.

### J. MODIFIED SEATING SYSTEMS

#### ▲ WARNING

Use of a seating system not approved by Sunrise may alter the center of balance of this chair. This may cause the chair to tip over.

1. Do not change the seating system of your chair UNLESS you consult your authorized supplier first.
2. Use of a seating system not approved by Sunrise may affect the folding mechanism of this chair.

If you fail to heed these warnings damage to your chair, a fall, tip-over or loss of control may occur and cause severe injury to the wheelchair user or others.

### K. UPHOLSTERY FABRIC

#### ▲ WARNING

1. Replace worn or torn fabric of seat and seat back as soon as you can. If you fail to do so, the seat may fail.
  2. Sling fabric will weaken with age and use. Look for fraying or thin spots, or stretching of fabrics at rivet holes.
  3. "Dropping down" into your chair will weaken fabric and result in the need to inspect and replace the seat more often.
  4. Be aware that laundering or excess moisture will reduce flame retardation of the fabric.
- If you fail to heed these warnings damage to your chair, a fall, tip-over or loss of control may occur and cause severe injury to the wheelchair user or others.

## IX. CHAIR BASICS

### A. TO FOLD & UNFOLD CHAIR

#### ▲ WARNING

NEVER let your fingers come between the seat rail and the frame rail when you open or fold this chair. This may cause a pinch or crush-type injury.

#### I. To Fold Chair:

- a. Remove back insert (if any).
- b. Make sure footrests are out of the way before you fold chair. (Swing-away, flip up or remove footrests.)
- c. Remove cushion (if any).
- d. Stand to one side of chair.
- e. With both hands grasp center of seat sling and lift sharply until chair folds.



#### 2. To Unfold Chair:

- a. Stand to one side of chair.
- b. From Side, tilt chair toward you far enough to take the weight off the opposite wheel.
- c. Push down on the seat rail closest to you until chair opens fully.
- d. Make sure seat rail tubes drop into frame saddles.

**A. SET-UP**

**I. Fasteners**

**⚠ WARNING**

Use of improper fasteners may cause the chair to fail. Over or under-tightened fasteners may fail or cause damage to chair parts. If bolts or screws become loose, tighten them as soon as you can.

- a. Many of the screws and bolts on this chair are special high-strength fasteners.
- b. Many nuts are the Nylock type. They have a plastic insert to help prevent loosening.
- c. **ONLY** use screws, bolts and nuts provided by an authorized supplier (or fasteners of the same type and strength, as indicated by the markings on the heads).

**2. Washers & Spacers**

- a. Make a note of the position of washers and spacers before disassembly.
- b. To avoid damage to the frame, position washers and spacers correctly when you reassemble parts.

**Note on Torque Settings:** A torque setting is the optimum tightening which should be made on a particular fastener. A torque wrench which measures in.-lbs should be used when tightening fastener on Quickie wheelchairs. **Unless otherwise noted,** use a torque setting of 28-32 in.-lbs. for all fasteners.

**B. TOOLS**

**I. Basic Tool Kit**

To set up, adjust and maintain your chair, you will need the following tools:

- a. 3/4" box and open-end wrench
- b. 5/8" box and open-end wrench
- c. 1/2" box and open-end wrench
- d. 7/16" box and open-end wrench
- e. Socket wrench
- f. 3/16" Allen wrench
- g. Phillips head screwdriver #2
- h. Torque wrench
- i. 3/4", 5/8", 1/2", 7/16" Sockets



**2. Torque Wrench**

If you plan to adjust and maintain this chair yourself, Sunrise recommends that you use a torque wrench.

**⚠ WARNING**

When properly set up, your chair will roll smoothly and easily. All components should also work smoothly. If you detect a problem, be sure to correct it before using this chair.

**C. TO FIND & CORRECT A PROBLEM**

- 1. Review the TROUBLESHOOTING section to see if your chair has one of the listed symptoms. If so, follow steps to solve the problem.
- 2. Follow steps in this section to make sure set up is correct.
- 3. If steps 1 and 2 do not work, consult your authorized supplier for help.
- 4. If you still have a problem, contact customer service at 800.333.4000.

**E. STANDARD & LOW FRONT  
(HEMI) SEAT HEIGHTS**

**Note:** Adjust seat height for body and mechanical efficiency.

**I. Adjustment to 17 1/2" Seat Height**

Rear Wheels:

- a. Remove Footrests (p.31) and unfold chair (p.25).
- b. While standing behind frame, turn chair face down.
- c. Remove right rear axle and lock nut using 5/8" socket wrench and 5/8" box end wrench.
- d. Raise wheel to top threaded hole in sideframe, reinsert axle into threaded mounting hole.
- e. Tighten axle until there is no vertical play in the wheel using a 5/8" box end wrench. **DO NOT OVER TIGHTEN, DAMAGE TO WHEEL BEARINGS MAY RESULT.**
- f. Spin wheel to ensure adequate rotation for user function.
- g. Install lock nut on threaded axle with a 5/8" socket wrench. Using 5/8" box end wrench to prevent axle from loosening. Torque lock nut to 28 lbs. to 32 lbs.
- h. Repeat steps b-g for left rear wheel.



Front Casters

- a. Turn chair face up.
- b. Use 3/16 allen wrench and 1/2 socket wrench to remove two bolts located on right front of caster fork assembly.
- c. Lift caster post assembly out of existing position and insert in top mounting hole position.
- d. Reattach lock nuts using 3/16 allen wrench and 1/2" socket wrench.
- e. Repeat steps b-d for left front caster assembly.



**Note:** If you plan to use elevating legrests in the 17 1/2" seat height configuration you must lower the elevating legrests. Refer to page 36 for instructions.

**F. DETACHABLE ARMRESTS**

**1. Installation**

- a. Align right arm over receiver tubes on side frame.
- b. Push down on armrest until detent is engaged.
- c. Pull up firmly to ensure that the armrest is engaged.
- d. Repeat steps a-c for left armrest.



**2. Removal**

- a. Press in on detent button located on the right armrest.
- b. Holding the armrest in the center, pull up on arm rest until it is free of the receiver tubes.
- c. Repeat steps e & f for left armrest.



**Note:** When removing armrest be sure to pull straight up to prevent armrest tubes from becoming wedged in receivers. To correct this problem push armrest back down into place and repeat the process, emphasizing on pulling upward with a straight and even motion.

**G. SWING-AWAY FOOTRESTS**

**Note:** Footrests and legrests are interchangeable and will fit on left or right side of chair. Appropriate functional use will require additional adjustment to footrest (p.32 Changing Footrest from Left to Right)

**1. Installation**

- a. Place right footrest on the 2-pin hanger plate offset to the outside of the frame. Make sure the holes on foot rest bracket are well seated over both mounting posts.
- b. Swing footrest toward inside of chair until it locks into place.
- c. See release lever positioning below to change position of lever to accommodate the user or caregiver.
- d. Repeat steps a - b for left footrest.



**2. Removal**

- a. Activate release lever of right footrest pushing it toward outside of chair.
- b. Swing footrest towards outside of chair.
- c. Lift legrest off mounting posts.
- d. Repeat steps e - g for left footrest.



**3. Footplate Height-Adjustment**

- a. Use 1/2" box end wrench to loosen nut on clamp located on footrest tube.
- b. Adjust footplate to proper position.
- c. Tighten nut securely with 1/2" box end wrench.



**4. Changing Footrest from Left to Right**

- a. Remove set screw with #2 phillips screwdriver.
- b. Pull footplate off post.
- c. Turn 180° and insert footplate back on post. (Be sure that metal strip between footplate and hanger post remains in place. Reinsert if necessary.)
- d. Remove carriage bolt and nut from clamp on footrest tube. (See footplate height adjustment above). Reverse direction of bolt so that nut sits on outside of footrest. Failure to reverse bolt may cause injury to occupant leg and/or ankle.
- e. Replace set screw and tighten.
- f. See p.33 (Changing Elevating Legrest Direction from Left to Right) for directions if required.



**5. Adjusting Position of Release Lever**

- a. Release Lever has five spring loaded positions.
- b. To change position, pull up on lever and turn left or right.
- c. Let go of lever and snap into position.



**H. ELEVATING LEGREST (Optional)**

**1. Installation**

- a. Follow steps 1-5 for standard adjustments as for swing-away hangers and footrests. (p. 32-33)



**2. Adjustment**

- a. Lift legrest to chosen position. Legrest will lock in place.

**Note:** Any weight applied to calfpad and footplate must be relieved before legrest will lower.

- b. To lower legrest, press release lever (1) down and lower legrest to chosen position. Legrest will lock in place.



**3. Changing Elevating Legrest Direction from Left to Right**

- a. Remove bolt nut from calf support bracket using 7/16" box end wrench.
- b. Turn 180° and place calf support on legrest arm.



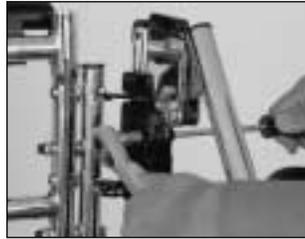
- c. Reinsert bolt with nut facing outside of chair and secure with 7/16" box end wrench.
- d. See page 33, #4 for directions to change footplate from left to right.



## X. SET UP & ADJUSTMENT

### 4. Lowering Elevating Legrest for Hemi Seat Height (17 1/2")

- a. When using elevating legrest in the hemi (17 1/2") seat height you should lower the pivot at the top of the legrest.



- b. Remove the two block bolts with a phillips screwdriver and a 7/16" socket wrench.



- c. Slide chrome block down into black painted bracket and line up top hole.



- d. Reinsert bolts and securely fasten using a phillips screwdriver and a 7/16" socket wrench.

## XI. MAINTENANCE

### A. INTRODUCTION

1. Proper maintenance will improve performance and extend the useful life of your chair.
2. Clean your chair regularly. This will help you find loose or worn parts and make your chair easier to use.
3. Repair or replace loose, worn, bent or damaged parts **before using this chair**.
4. To protect your investment, have all major maintenance and repair work done by your authorized supplier.

### ⚠ WARNING

If you fail to heed these warnings your chair may fail and cause severe injury to the wheelchair user or others.

1. Inspect and maintain this chair strictly per chart.
2. If you detect a problem, make sure to service or repair the chair before use.
3. At least once a year, have a complete inspection, safety check and service of your chair made by an authorized supplier.

### B. MAINTENANCE CHART

CHECK...	Weekly	3 Months	6 Months	Annually
Wheel locks	✓			
All fasteners for wear and tightness		✓		
Armrests			✓	
Axle and axle sleeves			✓	
Wheels, tires and spokes		✓		
Casters		✓		
Anti-tip tubes		✓		
Frame			✓	
Upholstery		✓		
Service by Authorized Supplier				✓

## XI. MAINTENANCE

### C. MAINTENANCE TIPS

#### 1. Axles & Axle Sleeves:

Check axles and axle sleeves every six months to make sure they are tight. Loose sleeves will damage the axle plate and will affect performance.

### D. CLEANING

#### 1. Paint Finish

- a. Clean the paint finish with mild soap at least once a month.
- b. Protect the paint with a coat of non-abrasive auto wax every three months.

#### 2. Axles and Moving Parts

- a. Clean around axles and moving parts WEEKLY with a slightly damp (not wet) cloth.
- b. Wipe off or blow away any fluff, dust, or dirt on axles or moving parts.

**Note:** You do not need to grease or oil the chair. Do Not use lubricant such as WD-40 around bearings this will only compound problems by collecting dirt and dust.

#### 3. Upholstery

- a. Hand-wash / wipe down
- b. Drip-dry only. DO NOT machine dry as heat will damage fabric.

### E. STORAGE TIPS

1. Store your chair in a clean, dry area. If you fail to do so, parts may rust or corrode.
2. Before using your chair, make sure it is in proper working order. Inspect and service all items on the "Maintenance Chart." (See p. 40)
3. If stored for more than three months, have your chair inspected by an authorized supplier before use.

## XII. WARRANTY

### A. 5 YEAR LIMITED WARRANTY

Sunrise warrants the frame and cross-brace of this wheelchair against defects in materials and workmanship for five years to the original purchaser.

### B. FOR THREE (3) YEARS

Sunrise warrants the tires of the rear wheel of this wheelchair against defects in materials and workmanship for three years to the original purchaser.

### C. FOR ONE (1) YEAR

We warrant all Sunrise-made parts and components of this wheelchair against defects in materials and workmanship for one year from the date of first consumer purchase.

### D. LIMITATIONS

1. We do not warrant:
  - Damage from neglect, misuse, or from improper installation or repair.
  - Damage from exceeding weight limit of 250 pounds.
2. This warranty is VOID if the original chair serial number tag is removed or altered.
3. This warranty applies in the USA only. Check with your supplier to find out if international warranties apply.

## XII. WARRANTY

### E. WHAT WE WILL DO

1. Our sole liability is to repair or replace covered parts. This is the exclusive remedy for consequential damages.

### F. WHAT YOU MUST DO

1. Obtain from us through an authorized supplier, while this warranty is in effect, prior approval for return or repair of covered parts.
2. Return the wheelchair or part(s), freight pre-paid, to:  
Sunrise Medical  
C/O Norman Krieger  
9635 Heinrich Hertz Road, Room 5-8  
San Diego, CA 92173
3. Pay the cost of labor to repair, remove or install parts.

### G. NOTICE TO CONSUMER

1. If allowed by law, this warranty is in place of any other warranty (written or oral, express or implied, including a warranty of merchantability, or fitness for a particular purpose).
2. This warranty gives you certain legal rights. You may also have other rights that vary from state to state.

Record your serial number here for future reference:

Serial #: \_\_\_\_\_ Date: \_\_\_\_\_



**Sunrise Home Healthcare Group  
Personal Care Products Division**

7477 East Dry Creek Parkway • Longmont, Colorado • 80503 USA  
800-333-4000 303-218-4600

Manufactured under one or more of the following patents:  
U.S. Patent # 5,062,677; 5,149,173; 5,211,446; 5,352,023; 5,407,248; plus other foreign patents

© 1999, Sunrise Medical 9.99  
470000 Rev. A