



# JCM Hi-Lo Base

## JCM<sup>®</sup> Hi-Lo Base For Zippie Voyage<sup>®</sup>

**Supplier:** This manual must be given to the user of this wheelchair.

**User:** Before using this wheelchair read this entire manual and save for future reference.



Owner's Manual

## JCM<sup>®</sup> Hi-Lo Base For Zippie Voyage<sup>®</sup>

**Distribuidor:** Este manual debe ser entregado al pasajero de esta silla de ruedas.

**Pasajero:** Antes de usar esta silla de ruedas, lea este manual en su totalidad y guárdelo para futura referencia.

Cada una de las sillas se envía con un manual de instrucciones en inglés. El manual en español está disponible en formato PDF en nuestra página en Internet: [www.SunriseMedical.com](http://www.SunriseMedical.com). Ingrese a la página del producto específico para descargar el manual, o comuníquese con el proveedor autorizado de Sunrise Medical.

Manual de Instrucciones

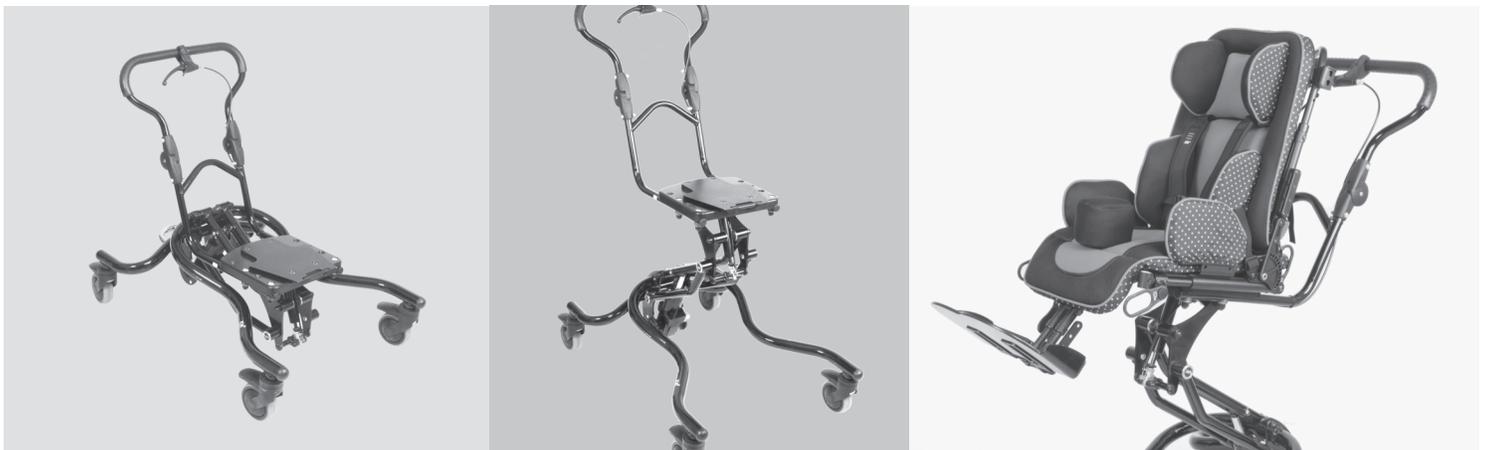
## JCM<sup>®</sup> Hi-Lo Base For Zippie Voyage<sup>®</sup>

**Au Fournisseur :** Ce manuel doit être remis à l'utilisateur de ce fauteuil roulant.

**À l'Usager :** Veuillez lire tout le manuel et le conserver pour référence ultérieure.

Chaque fauteuil est livré avec un manuel d'instructions en anglais. La version en français est à votre disposition en format PDF sur le site : [www.SunriseMedical.com](http://www.SunriseMedical.com). Veuillez vous rendre à la page de votre produit pour télécharger le manuel dans la langue souhaitée, ou contactez un fournisseur agréé Sunrise Medical.

Manuel  
d'instructions



**SUNRISE LISTENS**

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

**SUNRISE MEDICAL**  
 Customer Service Department  
 2842 Business Park Avenue  
 Fresno, CA 93727 USA  
 (800) 333-4000

Let us know 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 Dependent Mobility Device.

**FOR ANSWERS TO YOUR QUESTIONS**

Your authorized supplier knows your Zippie product best, and can answer most of your questions about device safety, use and maintenance.

For future reference, please fill in the following:

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

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

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

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

**ADDITIONAL INFORMATION YOU SHOULD KNOW**

No component of this chair was made with Natural Rubber Latex.



**DISPOSAL AND RECYCLING INFORMATION**

When this product reaches the end of its life, please take it to an approved collection or recycling point designated by your local or state government. This wheelchair is manufactured using a variety of materials. Your product should not be disposed of as ordinary household waste. You should dispose of your wheelchair properly, according to local laws and regulations. Most materials that are used in the construction of this product are fully recyclable. The separate collection and recycling of your product at the time of disposal will help conserve natural resources and ensure that it is disposed in a manner that protects the environment.

Ensure you are the legal owner of the product prior to arranging for the product disposal in accordance with the above recommendations.

**NOTICE-READ BEFORE USE**

**A. CHOOSE THE RIGHT DEVICE & SAFETY OPTIONS**

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

1. The child’s disability, strength, balance, coordination, and the limits of their abilities.
2. The types of hazards that must be overcome in daily use (where you live and work), and other places you are likely to use the device.
3. The dependents need of options for their safety and comfort.

**INTENDED USE:** The JCM Base is intended for medical purposes to provide mobility to persons under 75lbs(34kg) restricted to a sitting position.

**B. REVIEW THIS MANUAL OFTEN**

Before using this device you, and each person who may assist you, should read this entire manual and any manual that would apply to specific products that this base supports 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.

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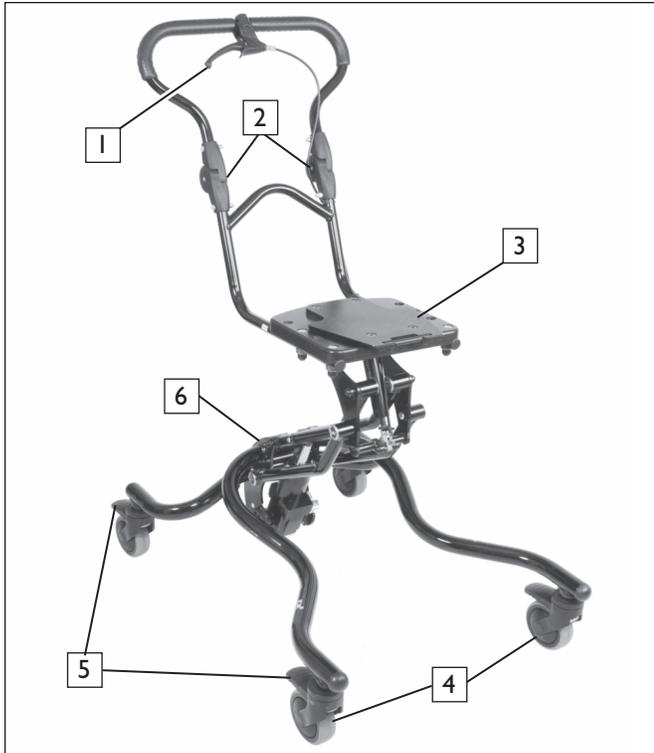
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- |                               |                      |
|-------------------------------|----------------------|
| 1. Tilt and lock lever        | 4. Caster Wheel      |
| 2. Push handle release button | 5. Caster Wheel lock |
| 3. Seating interface plate    | 6. Height adjust bar |

## WARNINGS

### A. WEIGHT LIMIT

#### **⚠ WARNING**

NEVER exceed the weight limit of 75 pounds (34 kilograms), for the weight of the occupant. If the limit is exceeded, damage to your device, a fall, tip-over or loss of control may occur and cause severe injury to the rider and/or others.

### B. AREA OF OPERATION

#### **⚠ WARNING**

This device is designed to be used indoors on even, smooth surfaces. Outdoor use can prematurely wear parts or damage the unit. Using this product on Roadway or rough surfaces may void the warranty. NEVER use this device in a transit situation.

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

#### **⚠ WARNING**

- BEFORE using this device, you should be trained in its safe use by your health care professional.
- This device should NEVER be used in a Transit situation. ALWAYS remove the occupant from the base and seating system, and use OEM seating and restraints if you must transport the occupant in a motor vehicle.

- ALWAYS remove the occupant from the seating system before removing the seating system from the Hi-Lo base. Failure to do so may result in injury to the rider and/or caregiver.
- FOR SAFETY always return the product to a neutral position (90°) and lower the base BEFORE removing or adding the seating system. The base should be on a level surface with the caster locks engaged for maintenance or occupant transfers.
- ALWAYS remove the occupant from the Hi-Lo base if you need to move the base from one floor to another using a stairway. Failure to do so may result in severe injury to the rider or caregiver.
- ALWAYS lock the caster wheels before attempting to adjust the height or tilt of the unit.
- NEVER leave the occupant unattended.

### D. SAFETY CHECKLIST

#### **⚠ WARNING**

#### Before each use of the Early Intervention Device.

- Parking brake must be adjusted to maintain proper performance. Always engage the parking brake before transferring a dependent child.
- Check that the device 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 other damage).
- NEVER use the base for more than one rider. Failure to follow this warning may result in injury or structural damage to the unit.
- Check to make sure the device is properly assembled and adjusted before attempting to seat an occupant. Check to make sure all adjustment knobs and hardware are secure and locked.
- Items should not be placed or hung from the push handle, as this can compromise the stability of the base and may lead to injury or damage to the device.
- If you suspect the base is not functioning correctly, discontinue use and contact your Authorized Supplier for solutions to the problem.

### E. PELVIC POSITIONING BELTS

#### **⚠ WARNING**

#### Use positioning belts ONLY to help support the child's posture.

- Make sure the rider does not slide down in the mobility device seat. The belts must be snug, but must not be so tight that they interfere with breathing. You should be able to slide your open, flat hand, between the belt and the rider.
- Use positioning belts with a cooperative rider only. Make sure that you can remove the belts in an emergency.
- NEVER use the positioning belts:
  - As a restraint.
  - On a child who is comatose, agitated or is prone to seizures.

## F. ACCESSORIES

**⚠ WARNING**

1. See your health care professional and have them adjust seating components and accessories as your child grows.
2. Unauthorized modifications or use of parts not supplied or approved by Sunrise Medical may change the product's structure. This will void any warranty and may cause a safety hazard.
3. The device is not designed for use with accessories like ventilators, O2 bottles or IV poles. Contact Sunrise Medical for information on devices that work with these accessories. Use of any device not approved by Sunrise Medical could result in injury to the occupant or damage to the unit.

## G. PLASTIC COMPONENTS

**⚠ WARNING**

1. Do not attempt to glue or bond any broken plastic components. Some adhesives or thread locking compounds may be chemically incompatible with the plastic material and could weaken it.
2. Unauthorized use of any such chemicals (for example, solvent or acrylate based adhesives) may void the warranty.
3. Replace any broken components with new parts. Failure to follow this warning may result in damage to the chair or injury to the rider or others.

**OPERATING INSTRUCTIONS**

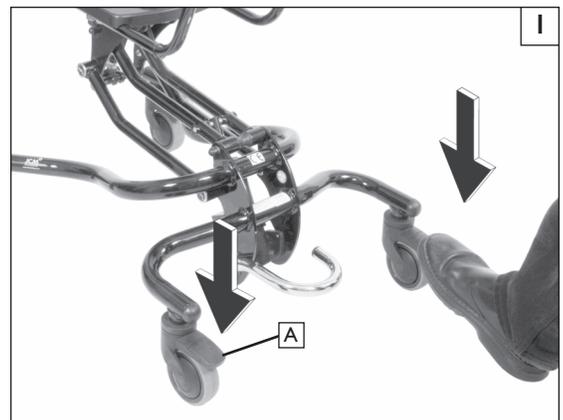
The JCM Hi-Lo Base is a lightweight alternative base that can be used with the Voyage positioning shell. It is designed for the home or an institutional environment. The JCM Hi-Lo Base is height adjustable from approximately a 10-inch to 29-inch floor to seat height. This capability allows the occupant to be comfortable at a variety of heights for indoor activities. The unit also provides a compact base for therapeutic evaluations. At the lowest position it is compact for easy storage. The JCM Hi-Lo Base uses a gas spring to assist with the height adjustment function. Please read all user instructions prior to attempting to use this base.

## A. CASTER WHEELS

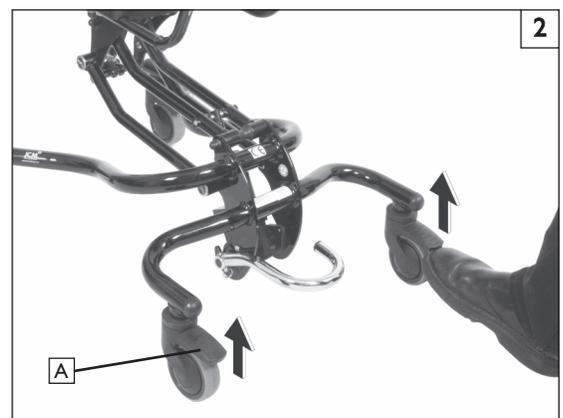
Always lock the caster wheels before attempting any adjustment on the Hi-Lo base, or parking on a slope or incline.

1. Locking the Caster Wheels **1**

- a. Place the tip of your foot on top of the first caster lock lever(A) press down gently until you feel the lock engage.
- b. Repeat this process for all four caster wheels until the base is restricted from movement.

2. Unlocking the Caster Wheels **2**

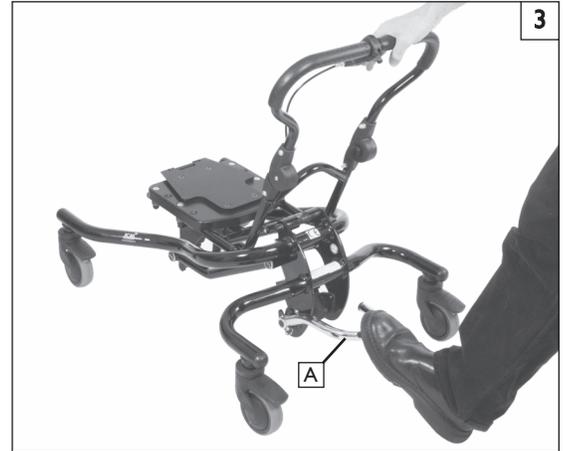
- a. Using your foot, lift up on the locking lever (A). This will release the caster wheel lock.
- b. After releasing all four of the locks the base should move freely. If there is any resistance to free movement, make sure that the locks are completely disengaged.



## B. HEIGHT ADJUSTMENT

NOTE - The height adjustment can be made safely with the child secured in the seating assembly. Always lock the caster wheels before attempting to adjust the Base height.

1. **Raise the seating platform** 3
  - a. Step on the height adjustment lever(A) and pump the lever several times to increase the height of the base.
  - b. Repeat this process until the preferred height is reached.
2. **Lower the seating platform** 4
  - a. Using your foot, lift up on the height adjustment lever (A). This will release the pressure in the gas spring, and lower the seating platform.
  - b. Continue to use your foot to provide an upward force on the adjustment lever, push the platform down to the desired height.

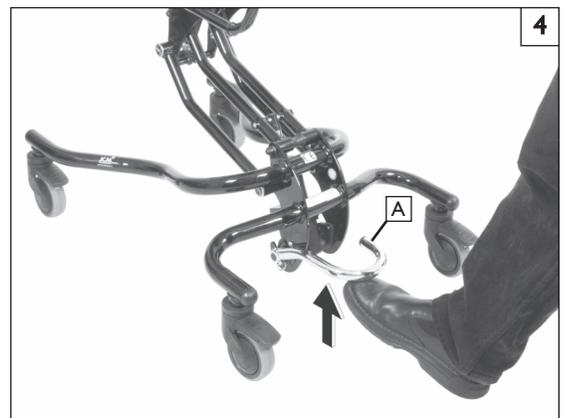


## C. INSTALLING THE SEATING SHELL 5

### WARNING

Always lock the caster wheels before attempting to add or remove the seating system. The seating assembly should NEVER be installed with an occupant. The seating assembly should always face forward when mounted on the JCM Hi-Lo Base.

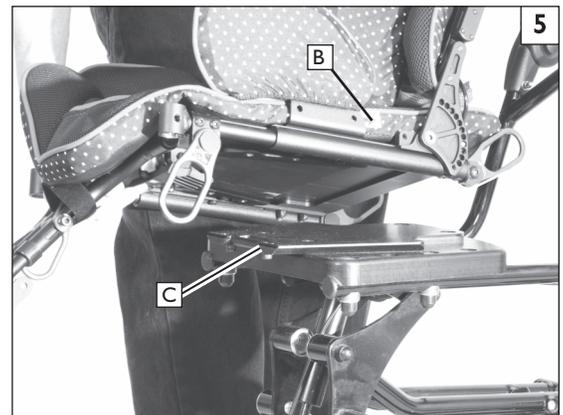
- a. Make sure the seat is in the fully upright position (no recline or tilt)
- b. Make sure the base is in the home position (no tilt).
- c. Ensure all positioning straps and accessories are out of the way and will not interfere with the seat from fully engaging the receiver.
- d. Line up the alignment tag(B) with the corner of the mounting plate (C) on the base. **NOTE: for moderate seating system only.**
- e. Lower the assembly so that the seating shell and mounting plate are in contact.
- f. Slide the seat backwards evenly. You should hear an audible click.
- g. Check the secure engagement to the baseplate by pulling up on both sides. If it does not move or tilt, the seating shell is now locked and has been installed properly.
- h. Once locked into place, add the occupant for transportation and/or adjustment.



### Using the Slide-n-Lock(Latch lock) 7 8

Note: - The latch under the seat plate has a lock that can be used to provide additional securement after the seat is installed.

- a. BEFORE attaching or removing the seat to or from the base, the latch lock(E) MUST be slid to the right(unlocked position) as shown in Fig. 7.
- b. To prevent inadvertent activation of the seat latch, slide the latch lock to the left as shown in Fig. 8 AFTER the seat is fully secured to the base(you cannot attach seat to base while lock is engaged).

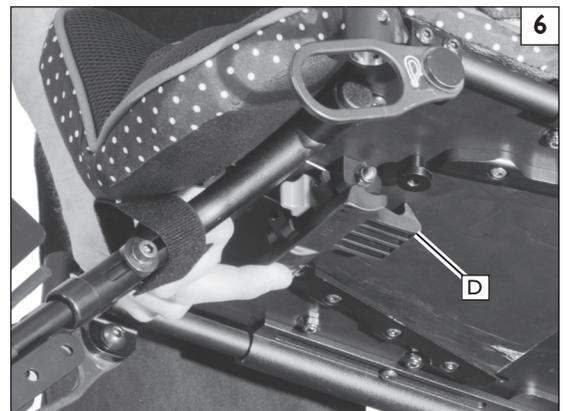


## D. REMOVING THE SEATING SHELL 6

### WARNING

Always lock the caster wheels before attempting to add or remove the seating system. The seating assembly should NEVER be removed with an occupant. Make sure the occupant is moved to a safe location when separating the seating shell and base.

- a. Make sure the seat is in the fully upright position (no recline or tilt)
- b. Pull and hold release lever (D) so that it disengages from the receiver, slide the seating shell forwards and lift the seating shell from the base.
- c. The seating shell is now ready to be inspected and/or stored.



## E. TILT ADJUSTMENT

ALWAYS lock the caster wheels before attempting to tilt the seating system.

### ⚠ WARNING

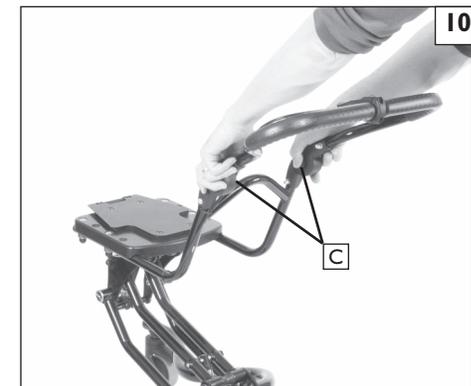
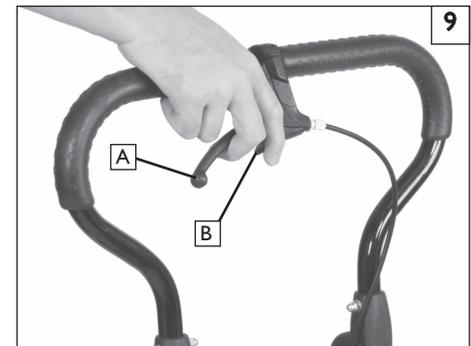
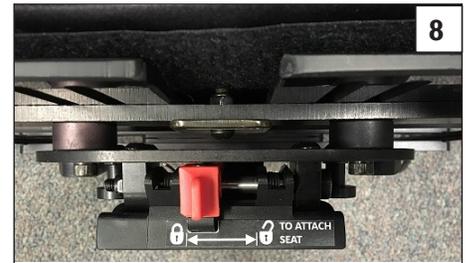
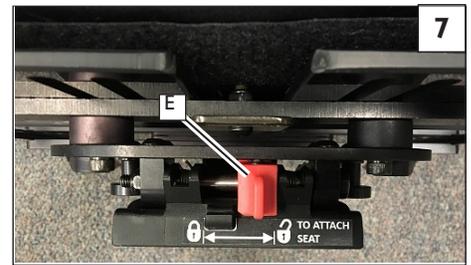
The amount of support that is necessary for this adjustment varies depending on the size and weight of the occupant. Sunrise recommends practicing this adjustment several times before adding the occupant to the base.

1. To achieve up to 25° of rearward tilt: 9
  - a. Grasp the tilt handle (A) and release trigger (B) while supporting the push handle with the other hand.
  - b. Release the lever when the desired Tilt angle is reached.
2. Returning to the home position 9
  - a. Returning the seating shell to a home or upright position is the reverse of the previous instruction.
  - b. In some cases the caregiver will need to place their foot on the top of the rear caster arm to support the base when returning the system to it's home position.

## F. PUSH HANDLE ANGLE ADJUSTMENT 10

NOTE - The occupant does not need to be removed for this adjustment.

1. Adjusting the push handle
  - a. Using both thumbs, press on the release buttons(C) at the same time and move the push handle into position.
  - b. Release the buttons and check to make sure the adjustment is locked in place.



## VI. MAINTENANCE AND CLEANING

### A. GENERAL MAINTENANCE

1. Clean the device regularly. This will help you find loose or worn parts and will make your device easier to use.
2. At least every four months, check all screws for tightness. If parts are missing, broken, damaged or worn, then discontinue use of the product until repairs are made, using factory-authorized parts.
3. Wipe down all plastic components periodically with a solution of mild soapy water to maintain cleanliness.
4. Lubricate any moving parts (except for the gas spring) with a teflon lubricant only.
5. Check and clean the wheel attachment points frequently, this is a main area that can collect dirt and grime. Debris in this area can effect the performance and safety of the device.

### ⚠ WARNING

The gas spring is charged with a gas to provide a specified force. If the charge in the cylinder changes, the spring may no longer provide the designed assist for ease of adjustment. The gas spring also has a built-in locking device to hold the cylinder in a specific position. If the charge is lost or the lock fails, the gas spring must be replaced by a qualified dealer or returned to Sunrise Medical for replacement. If you find an issue with the gas spring, it is not safe to keep using the device. Stop using the device until the correction can be made. Never lubricate the Gas spring Rod. This could cause damage to the gas spring and void the warranty.

**B. CLEANING****Base Frame Parts:**

- Clean with mild soapy water monthly.
- Hand-wash as needed.

**C. STORAGE TIPS**

1. Store your device in a clean, dry area. If you fail to do so, parts may rust or corrode.
2. Before using your mobility device, make sure it is in proper working order. Inspect and service all items included in this Manual.
3. If you store this device for more than three months, have it inspected by a supplier before use.

**VII. SUNRISE LIMITED WARRANTY****A. FOR THREE (3) YEARS**

Sunrise Medical warrants the JCM Hi-Lo base frame and Gas Spring against defects in materials and workmanship for 3 years.

**B. FOR ONE (1) YEAR**

We warrant the JCM Hi-Lo base casters and all Sunrise-made parts and components of this device against defects in materials and workmanship for one year from the date of first consumer purchase.

**C. LIMITATIONS**

1. We do not warrant:
  - Damage from neglect, accident, misuse, or from improper installation or repair.
  - Products modified without Sunrise Medical's express written consent.
  - Damage from exceeding the weight limit.
2. This warranty is VOID if the original device serial number tag is removed or altered.
3. This warranty applies in the USA and Canada only. Check with your supplier to find out if international warranties apply.
4. This warranty is not transferable and only applies to the first consumer purchase of this device through an authorized Sunrise Medical dealer.

**D. WHAT WE WILL DO**

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

**E. WHAT YOU MUST DO**

1. Obtain from an authorized supplier, while this warranty is in effect, prior approval for return or repair of covered parts.
2. Return the device or part(s), freight pre-paid, to Sunrise Mobility Products Division at: 2842 Business Park Avenue, Fresno, CA 93727-1328.
3. Pay the cost of labor to repair, remove or install parts.

**F. 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.

**G. ADDITIONAL WARRANTY INFORMATION**

For goods provided by Sunrise Medical Pty Ltd in Australia, our goods come with a guarantee by Sunrise that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. The benefits to you given by this warranty are in addition to your other rights and remedies under a law in relation to the goods to which the warranty relates.

Record your serial number here for future reference:

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Sunrise Medical • 2842 Business Park Ave. • Fresno, CA 93727 • USA  
In Canada (800) 263-3390



Customer Service: 800.333.4000  
[www.SunriseMedical.com](http://www.SunriseMedical.com)

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