

Tilt Wheelchair

# OWNER'S MANUAL







# 1. Maintenance and Repair

## 1.1 Guidelines

1. Store the wheelchair in a dry place and avoid caustic chemical substances such as oil, acid, alkali, etc.
2. Keep the wheelchair clean. Use soap and water to clean the wheelchair. Dry it quickly and put some lubricating oil on the moving parts after cleaning.
3. Avoid using in rain and do not submerge in water. Do not shower with this wheelchair. If the wheelchair gets wet, dry quickly and put some lubricating oil on the moving parts.
4. This is a portable daily wheelchair. Do not play sports in this wheelchair.
5. You should often check the air pressure and wear of the rear tires. Change if necessary.
6. The spokes of the driving wheels should be adjusted once a year.
7. You should add two or three drops of high grade motor oil to the driving wheels and the front wheels every month.
8. You should clean the wheel bearing of hair and other debris often.

9. To ensure safety, you should often check the operation of the brake and backrest.

## 1.2 Disinfecting

Please do any disinfection under guidance by a technician only.

## 1.3 Maintaining the tires

1. The rear wheels of wheelchair are pneumatic. The suitable tire pressure is labeled on the tire. Please check before use.
2. Check the wear of tires regularly. Change if necessary.
3. Adjust the wheel lock regularly to match the wear of the tire.

## WARNING

DO NOT operate the equipment without first reading and understanding this manual.

If you are unable to understand the warning, caution, and instruction, contact a healthcare professional, otherwise injury or damage may result.

## Intended Use

The Tilt wheelchair is designed for children with disabilities. It is a manual wheelchair.

## 2. Reaching, leaning and bending

NOTE: For this procedure, refer to Figure 1.

### 2.1 Reaching, Leaning and Bending-Forward

Position the front casters so that they are extended as far forward as possible and engage wheel locks.

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

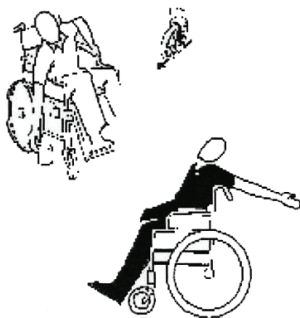


Figure 1

### 2.2 Reaching, Leaning and Bending-Backward

Position wheelchair as close as possible to the desired object. Point front casters forward to create the longest possible wheelbase. Reach back only as far as your arm will extend without changing your sitting position.

### 2.3 Tippings/Stairways

NOTE: For this procedure, refer to Figure 2.

When tipping the wheelchair, it requires two (2) assistants. The second assistant should be positioned at the front of the wheelchair lifting upward on a non-removable (non-detachable) part of the wheelchair frame when lifting the wheelchair and stabilizing the wheelchair when the wheelchair is being lowered to the ground. The first assistant should stand on the sidewalk and turn the wheelchair so that the rear wheels are against the curb. Turn the anti-tippers so the anti-tip wheels are pointing up. The wheelchair should be tilted back to the balance point and, in one continuous upward movement, the rear wheels should be pulled up and over the curb.

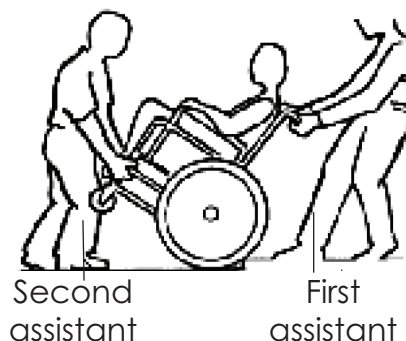


Figure 2

## 2.4 Stairways

NOTE: For this procedure, refer to Figure 3.

1. Remove the anti-tippers from the wheelchair.
2. Similar steps with tippings above.
3. The wheelchair should not be lowered until the last stair has been negotiated and the wheelchair has been rolled away from the stairway.

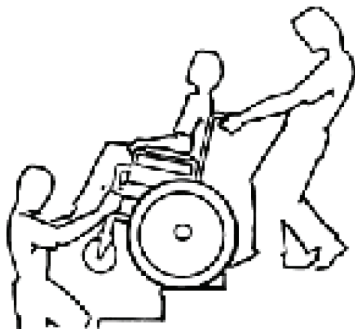


Figure 3

## 3. Function

### 3.1 Arm guard

The arm guard is used to prevent the users from swaying.

NOTE: For this procedure, refer to Figure 4.

*Removing:* Press the pin upwards to remove the bolt, then pull the arm guard outward.

*Installing:* Put the arm guard into chair frame, then install the bolt to fix the arm guard.



Figure 4

### 3.2 Side guard

The side guard is used to fix the sitting position of users.

NOTE: For this procedure, refer to Figure 5.

Operate the adjustment knob to install or remove the armrest or

adjust its height. After any adjustment, make sure the knobs are fixed.



Figure 5

Adjust knob

### 3.3 Abductor

NOTE: For this procedure, refer to Figure 6.

The abductor is used to prevent the user pitching because of inertia.

To install or remove the abductor please use the adjust knob.



Figure 6

### 3.3 Detachable footrest

NOTE: For this procedure, refer to Figure 7.

*Removing:* Unscrew the control handle, then swing the footrest outward. Pull up the footrest until it clears the pin.

*Installing:* Put the pin into the hole from side, then swing the footrest until it is locked into place on the chair frame.

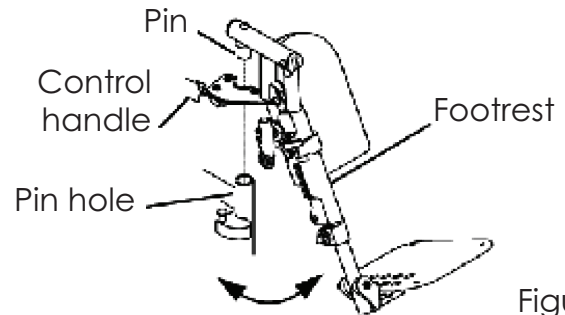


Figure 7

### 3.4. Raise/Lower the footrest

NOTE: For this procedure, refer to Figure 8.

*Raising:* Pull up the footrest vertically to the position you want.

*Dropping:* Hold the footrest and push the control handle toward the rear wheel of the wheelchair at the same time. The footrest will drop down automatically. Release the handle after you finish the adjustment.

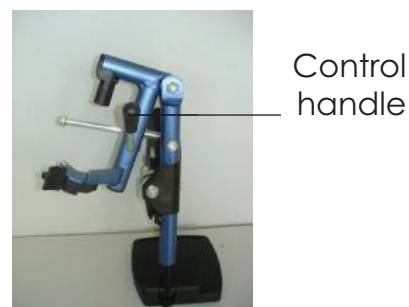


Figure 8



### 3.5. Adjust the footrest height

NOTE: For this procedure, refer to Figure 9.

There are three choice for the height of the footrest cushion . Swing the cushion until it can move, to the right position and confirm the button is locked into place.



Figure 9

## 4. Basic Operation

### 4.1 Unfold and Fold the wheelchair

NOTE: Please remove the seat, back and the pillow before you fold or unfold the wheelchair!

NOTE: For this procedure, refer to Figure 10.

To detach, press the button. The pin will exit from the chair frame, then you can strip the seat and back.

When installing, make sure the pins are locked in the chair frame tightly.



Button Pin

Figure 10

NOTE: For this procedure, refer to Figure 11.

When remove the pillow, press the lock button. The pillow support can be pulled vertically from the chair frame.

When installing, put the pillow support into the chair frame and make sure the lock button is locked in the receiver hole. To adjust the height of the pillow, please operate the height adjust knob.



Figure 11

Lock Button      Height adjust knob

#### 4.2 Unfolding

Press down the support bar vertically until the wheelchair is unfolded completely. Install the seat, back and the pillow, then fold down the footplates.

#### 4.3 Folding

Pivot footplates upwards to vertical position, remove the seat, back and the pillow, then pull up the support bar vertically to fold the wheelchair.

## 5. General Guidelines

### 5.1 Stability

Before using ANY recline position of this wheelchair, make sure the rear wheels are in the best position to maintain the stability of the wheelchair.

The seat height, seat angle, pivot point of seat frame, seating system, caster position, size and position of the rear wheels, as well as the user condition directly relate to the stability of the wheelchair.

Any change to one or any combination above may cause the wheelchair to lose stability. These adjustments **MUST** be performed by an authorized dealer or qualified technician.

Before using the recliner option, make sure the anti-tipper wheel assemblies are in the lowest adjustment hole. (Adjustment hole closest to the ground/floor).

## 5.2 Safety information

1. Unless otherwise noted, all service and adjustment should be performed while the wheelchair is noccupied.
2. ALWAYS keep hands and fingers clear of moving parts to avoid injury.
3. DO NOT attempt to move up or down an incline with a water, ice or oil film.
4. DO NOT operate on roads, streets or highways.
5. DO NOT attempt to ride over curbs or obstacles. Doing so may cause your wheelchair to tip over and cause bodily harm to you or damage to the wheelchair.
6. DO NOT attempt to reach objects if you have to move forward in the seat.
7. DO NOT attempt to reach objects if you have to pick them up from the floor by reaching down between your knees.
8. DO NOT lean over the top of the back upholstery to reach objects behind you, as this may cause the wheelchair to tip over.
9. DO NOT shift your weight or sitting position toward the direction you are reaching as the wheelchair may tip over.
10. DO NOT attempt to stop a

moving wheelchair with wheel locks. Wheel locks are not brakes.

11. DO NOT tip the wheelchair without assistance.
12. DO NOT use an escalator to move a wheelchair between floors. Serious bodily injury may occur.
13. DO NOT attempt to lift the wheelchair by any removable (detachable) parts. Lifting by means of any removable (detachable) parts of the wheelchair may result in injury to the user or damage to the wheelchair.
14. DO NOT stand on the frame of the wheelchair.
15. 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.

## 5.3 Self-lock device

NOTE: For this procedure, refer to Figure 12.

The wheel lock is not a brake, DO NOT use the wheel lock to slow or stop the wheelchair. The wheel lock is used to prevent movement while stopped.

Pull up the wheel lock handle until the rear wheel can not move, put the self-locker to a locking position, then the wheelchair self-locked.

Pull up again on the wheel lock handle to release the self-locker.



Figure 12

Self-locker                      Handle

### 5.4 Anti-tipper

NOTE: The anti-tippers must maintain a 1- 1/2 to 2-inch clearance between the bottom of the anti- tipper wheels and the floor.

NOTE: For this procedure, refer to Figure 13.

Operate the bolt to install, remove, or adjust the anti-tipper.



Figure 13

Bolt

NOTE: Anti-tippers MUST be fully engaged and the bolt fully protruding out of the adjustment holes.

Please review before use.

### 5.5 Recliner

NOTE: For this procedure, refer to Figure 14.

The gas spring controls the recline of the wheelchair. There are two handles of this wheelchair to control two gas springs, the left is for seat recline and the right is for back recline.

Pull up the adjust handle to engage the gas spring, release the handle when the recliner has reached the angle you want.

The angle range between the seat and the floor is 0 ° -30° , and between the back and the floor is 90-180°



Figure 14

Gas spring control handle



## 6. Warranty

Loh Medical offers a 12 month warranty on the frame of the Manual Wheelchair. Any defective frame components will be replaced at no cost. Please contact your local Loh Medical sales rep for warranty service. For more information on your local Loh Medical sales rep, please visit [www.lohmedical.com/contact/contact-form](http://www.lohmedical.com/contact/contact-form)

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**The Wheelchair has been tested and certified in accordance with CE requirements and BSEN 12183.**

