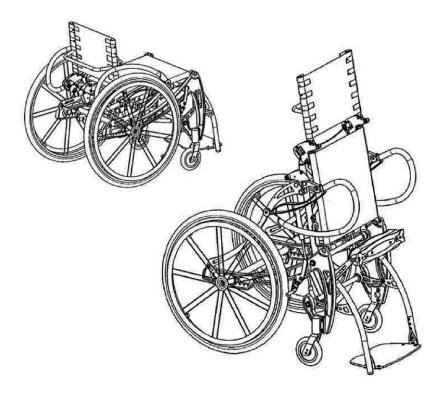
# **Owner's Manual**

# Helium Stand-Up Wheelchair





## How to contact LifeStand

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## Important Information about this User's Manual

We congratulate you on your choice of this LifeStand Stand-Up Wheelchair. Our goal is for you to continue to feel satisfied with your choice of both vendor and wheelchair.

Before you begin using your wheelchair, it is important that you read and understand the content of these operating instructions and in particular the Safety Instructions.

These operating instructions are primarily intended to acquaint you with the functions and characteristics of the wheelchair and how you can use them in the best manner possible. They also contain important safety and maintenance information, as well as describing possible problems that can arise while operating this wheelchair.

Always keep these operating instructions handy, since the need for important information can arise concerning its use, safety and maintenance.

It is also possible to obtain information concerning our products from our home page on the Internet. You can find us at www.permobil.com.

All information, pictures, illustrations and specifications are based upon the product information that was available at the time that these operating instructions were printed. Pictures and illustrations that are found in these operating instructions are representative examples and not intended to be exact depictions of the various parts of the wheelchair.

We reserve the right to make changes to the product without prior notice.

#### **Ordering of Documentation**

If you are in need of another copy of the Owner's Manual, it can be ordered from Permobil.

### **TECHNICAL SUPPORT**

In the event of technical problems, you should contact your dealer or Permobil Inc USA at 1-800-736-0925.

Always state the chassis serial number when contacting Permobil to ensure that the correct information is provided.

### SPARE PARTS & ACCESSORIES

Spare parts and accessories must be ordered through your dealer.

### WARRANTY

A warranty registration card is attached to each new wheelchair. The Permobil Inc. Product Warranty Information sets forth the conditions of the warranty.

Contact your dealer or Permobil Inc USA for information about the warranty period for this wheelchair.

Stand-Up wheelchairs are a specialized device and special care must therefore be taken when it is used. Please read and follow all instructions and warnings in this manual before operating your LifeStand by Permobil Stand-Up wheelchair. Incorrect use may both injure the user and damage the chair. In order to reduce these risks, you should read the User's Manual carefully, in particular the safety instructions and their warning texts.

Throughout this manual the following symbol will be used to note items that have significant importance to safety concerns:

#### 

Please use caution where this symbol appears.

### MARNING!

Please use extreme caution where this warning symbol appears. Failure to observe warnings can lead to personal injury and property damage, including damage to the wheelchair.

Permobil is not responsible for personal injuries or property damage resulting from any person's failure to follow the warnings and instructions in this manual. Permobil is not responsible for injuries or damage resulting from failure to exercise good judgment.

The final selection and purchasing decision about the type of wheelchair to be used is the responsibility of the wheelchair user and his or her healthcare professional. Permobil Inc. is not responsible for inappropriate selections of wheelchair models or features or improper fitting of the wheelchair.

Your wheelchair was configured specifically for your needs as prescribed by your healthcare provider. Consult your healthcare provider before changing the seat position or making any other adjustment. Some adjustments may reduce your wheelchair's performance or safety or may not be appropriate for your needs.

It is also of the utmost importance that you devote sufficient time to become acquainted with the standup function before you begin using it.

Do not undertake to stand up for the first time in the chair without making sure that you have assistance in the immediate vicinity if you should need help.

In order to make sure that nothing happened to the wheelchair while it was being shipped to you, you should check the following items before beginning to use it:

- that all products ordered are included in the delivery, incuding operating instructions and possible other documentation. If you suspect that something is missing, then contact your supplier or Permobil for more information as soon as possible.
- that no transport-related or other damages have occurred to the wheelchair and its accessories. If you discover that something has been damaged or in some other manner appears to be incorrect, then contact your supplier or Permobil for more information as soon as possible before you continue the checks.

Always be sure that tires are inflated properly before driving.

If you experience that the wheelchair in any manner is not behaving as expected or if you suspect that something is wrong: get in touch with your service contact or Permobil for more information.

#### ▲ CAUTION!

#### Operation

Do not let children operate the wheelchair without supervision. Do not operate the wheelchair on public streets or roadways. Obey all local pedestrian rules and be aware that vehicle drivers may have difficulty seeing you.

Do not operate your wheelchair under the influence of alcohol. Consumption of alcohol may impair your ability to operate your wheelchair safely.

Some physical limitations or use of medication, either prescribed or over-the-counter, may limit your ability to operate your wheelchair safely. Be sure to consult with your physician about your physical limitations and medications.

### MARNING!

#### Modifications

Any unauthorized modifications to the wheelchair may increase the risk of personal injury and property damage, including damage to the wheelchair.

All modifications to the wheelchair must be performed by a qualified service technician authorized by Permobil to perform such service on Permobil products.

#### Weight Limitations

The maximum user weight for your LifeStand by Permobil is set forth in the specification section of the supplied User's Manual for this model. Operation of the wheelchair by users who exceed the maximum allowable user weight can lead to personal injury and damage to the wheelchair, as well as voiding any applicable warranty to the wheelchair.

Do not carry passengers on the wheelchair. Doing so can lead to personal injury and damage to the wheelchair.

#### 

#### **Operation - Inclines**

When propelling up an incline, be sure to drive your wheelchair straight up the incline (perpendicular). Driving at an angle up an incline increases the risk of tipping or falling.

Do not drive down or up a hazardous incline, such as a surface covered with snow, ice, or wet leaves or a surface that is uneven. Also avoid driving on ramps that do not have proper edge protection.

#### 

#### **Operation - Turning**

Turning your wheelchair at high speeds can create the possibility of the wheelchair tipping and personal injury. The possibility of tipping can be increased by high turning speed, sharp turns, uneven surfaces, abrupt changes in direction, and driving from an area of low traction (e.g. lawn) to an area of high traction (e.g. sidewalk).

To protect against tipping, personal injury and property damage, reduce speed and reduce the sharpness of your turn when turning.

#### Overcoming steps or stairways

Whatever the obstacle, always approach slowly preferably assisted by a third person.

The front wheels can be elevated off of the ground by (the attendant) stepping on the Anti-Tip tube on the rear of the chair and simultaneously pulling back and down on the Push Handles. While it is not recommended that the chair be tipped back any further (the Anti-Tip wheels hitting the floor), it is possible. This would be done by rotating the Anti-Tip tubes to the up position (see page. 18). Make certain to return the Anti-Tips to the operating position when the operation is completed.

#### Make certain to return the Anti-Tips to the operating position when the operation is

#### Going up and down a slope

Going up, always lean the trunk forward and avoid changing direction abruptly. Going down, always lean backwards. It is also important to keep speed and direction under control.

Make certain that the wheelchair is directed straight up or down the slope. Never attempt to traverse or make turns on a slope.

#### 

#### Passengers

The wheelchair is not intended to transport passengers, regardless of the age of the passenger. The Maximum User Weight stated in the Owner's Manual for your seating includes the user and any personal effects. The Maximum limit should not be exceeded. The wheelchair's maneuverability and stability can be degraded as a result.

#### **Environmental Conditions**

Protect your wheelchair from exposure to any type of moisture, including rain, snow, or wash.

Do not operate your wheelchair in icy or slippery conditions. These conditions can lower the performance and safety of your wheelchair which could lead to an accident, personal injury and property damage, including damage to the wheelchair.

#### 

#### **Positioning Belt**

Permobil positioning belts are designed to position the user only and will not protect you in an accident. You may even receive further injury from the belts.

#### Transfer into and out of the chair

Be sure that the wheel locks are engaged before entering or leaving the wheelchair and before pivoting the arm for transfer.

Make certain that the two safety locks (right and left) are engaged preventing the standing mechanism from involuntary actuation (see page 24).

When transferring into or out of the wheelchair, every precaution should be taken to reduce the distance between the wheelchair and the place to which the user is transferring. Overextending this distance can cause user to overexert, lose balance, or fall.

Permobil recommends that users transfer in the presence of or with the assistance of an attendant.

Use caution when bending or reaching.

Do not use footplates or armrests as supports when transferring into or out of the wheelchair. The footplates and armrests are not designed to be weight-bearing structures. Excessive force may cause them to give way, resulting in personal injury or property damage, including damage to the wheelchair.

Your doctor or therapist will advise you how to transfer according to your health and every day life.





#### 

#### Transport

The wheelchair must be transported in or with transport solutions that have been approved for this purpose.

Check that the wheelchair is properly secured. A defectively fastened chair can cause serious injury to persons in the vehicle and serious damage to the vehicle.

#### Use Prohibited in Motor Vehicles

Permobil recommends that users NOT be transported in any kind of vehicle while in their wheelchair. The only safe alternative is that users be transferred into factory vehicle seating for transportation and use safety restraints made available by the auto industry. Permobil does not recommend any wheelchair transportation systems.

Never sit in your wheelchair while in a moving vehicle. In an accident or sudden stop you may be thrown from the chair and seriously injured or killed.

Permobil positioning belts are designed to position the user only and will not protect you in an accident. You may even receive further injury from the belts.

#### 

#### **Maintenance and Service**

Carry out only the service and maintenance which are stated in the User's Manual. All other service and maintenance must be performed by a qualified service technician authorized by Permobil to perform such service on Permobil products

Do not use parts or accessories not authorized by Permobil. Use of unapproved "aftermarket" accessories and parts may cause changes in the wheelchair, which may make the wheelchair unstable or uncontrollable. Such use may also void the warranty on the wheelchair.

#### Damages/malfunctions on the wheelchair and its accessories

If you experience that the wheelchair in any manner is not behaving as expected or if you suspect that something is wrong: Stop operating as soon as possible and contact your service contact or Permobil for more information.

It's also of greatest importance that Permobil be informed if the wheelchair and its accessories have been subjected to transport damages, damages during driving or damages due to another cause as soon as possible after the event.

There exists a risk that the wheelchair and its accessories can no longer be used in a safe manner.

## Introduction

Congratulations on the purchase of your new LifeStand Stand-up Wheelchair by Permobil!

You may have confidence in knowing that you have acquired the best in technology from the worldwide leader in mobility products.

Before operating your stand-up wheelchair, it is essential to read and carefully follow the below instructions and operating procedures.

#### Safety and maintenance:

#### 1. Standing environment

The stand-up feature of this device must only be used on flat, obstacle free surfaces and away from stairs, ramps, slopes, uneven surfaces or inclines of any kind.

#### 2. Adjustments

Adjustments made to a LifeStand stand-up wheelchair, as described in this document or otherwise, must be made by an authorized Permobil dealer. Under no circumstance should these adjustments be made by the end user or non-authorized personnel.

#### 3. Maintenance

It is recommended that you complete a weekly and monthly inspection of your wheelchair. It is also recommended that it be serviced annually by an authorized Permobil dealer.

#### 4. Benefits of a Daily Standing Regimen

The use of any stand-up device should be done only under the prescription and supervision of a medical professional. At the outset, it is recommended that your introduction to regular standing be closely monitored by your Physical or Occupational Therapist.

It has been documented that the regular and cyclical activity of going from the seated to the standing position may offer many benefits to those that are no longer able to stand on their own. The benefits are two fold: 1) there is the ability to once again function in daily activities that necessitate standing (reaching file cabinets and equipment in the workplace, accessing cupboards/stoves/shelving at home, as well as the ability to interact eye to eye); and, 2) the potential of physical benefits that result from repeated standing (these benefits may include improved; range of motion, bone density, circulation, bowel and bladder function, etc.).

Label:

CE

Compliance of this device to annex I of the EU directive 93/42/EEC is confirmed by this CE label.

## **Operating Instructions**

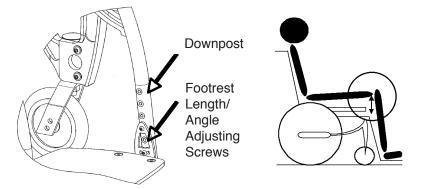
### **Positioning - Seated**

### 1.1 Footplate/lower leg length adjustment.

For sitting comfort, and to be properly positioned to obtain a standing posture, the seat to footplate dimension must be set to the appropriate length. When doing so, it is important that the seat cushion that client will be using on a regular basis is used.

When setting the lower leg length, the upper leg position should be parallel to the seat rail, but slightly elevated from the cushion at the front edge. The result is appropriate pressure distribution for the thighs and buttocks when seated and appropriate hip rotation and extension when standing.

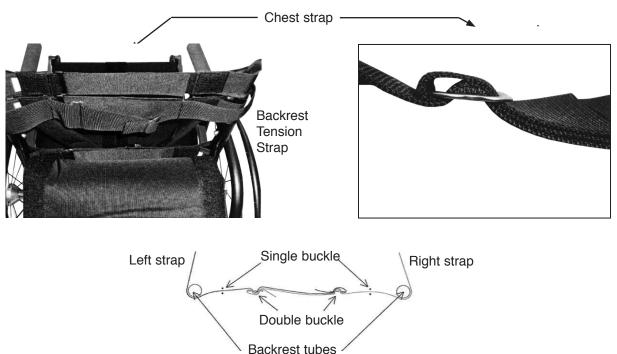
This adjustment is done by removing the Footrest Length/Angle Adjusting Screws located on the lower part of the downpost. The vertical adjustment is made in .8 of an inch increments. These same screws are utilized to adjust the footplate angle (to plus or minus 5 degrees).



### 1.2 Chest strap height adjustment

To obtain optimum support for the user, especially when standing, the height of the chest strap can be adjusted. The higher the chest strap is moved up the backrest, the greater support it will offer. Make certain to weave the backrest straps (which are part of the tension adjustable back system) through the metal retaining rings found on the chest strap.

Please note that additional support straps are available if more support is desired. Please contact customer service with questions.



#### 1.3 Seat depth adjustment

#### 1.3.1 Measuring.

There are two components associated with a seating depth properly fitted to the client:

- 1) Upper Leg Length the clients measurment from the back of the back to the back of the knee (the "D" dimension on page one of the order form).
- 2) Seat Depth the actual measurement of the chair from the front of the backpost for ward to where the plug inserts into the seat rail.

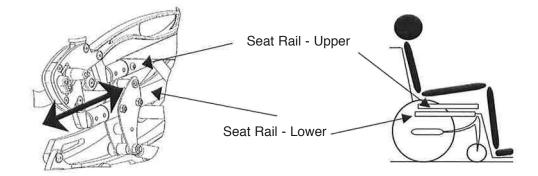
#### 1.3.2 Seat depth adjustment

**BOTH THE UPPER AND THE LOWER SEAT RAILS MUST BE ADJUSTED EQUALLY.** If you are shortening the seat depth, it is best to adust the UPPER seat rail first. If you are lengthening the seat depth, it is best to adust the LOWER seat rail first.

Utilize the following table to locate the appropriate hole position. (should be approximately 4cm/1.5" less than upper leg length)

Seat Depth (measured from the front of the backpost to to the seat rail plug)	Position	Holes Showing (on insert tube at rear
Seat Depth - 17" (43 cm)	0	0
Seat Depth - 17.5" (45 cm)	1	1
Seat Depth - 18.5" (47 cm)	2	2 std.
Seat Depth - 19" (49 cm)	3	3
Seat Depth - 20" (51 cm)	4	4
Seat Depth - 21" (53 cm)	5	5

Note that your desired seat depth can be determined by counting how many holes remain showing on the insert tube in the rear.



#### 1.3.3 Center of Gravity adjustment

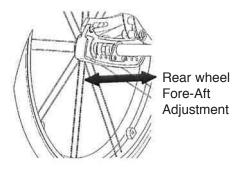
#### MARNING!

Increasing or decreasing the Seat Depth can relocate the center of mass of the person in relation to the chair, and therefore the overall system's Center of Gravity. The end result is that the chair may become more or less stable depending on if it has become shorter or longer.

After adjusting, it may now be necessary to move the rear wheel mount fore or aft to compensate for this change.

To make this adjustment, loosen and remove the two rear wheel mount attaching bolts and nuts (with attached connecting tube) on either side of the wheelchair frame (four bolts total) (See fig below).

After the adjustment has been made, replace and retighten the attached bolts and nuts.



#### 

If the rear wheel mounts and connecting tube are moved forward on the frame, the chair's Center of Gravity will move toward the rear, making the front end lighter/easier to tip backward.

If the rear wheel mounts and tube are moved rearward on the frame, the Center of Gravity will move forward, making the front end more stable.

#### M WARNING!

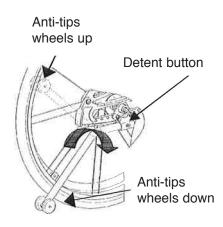
Any time an adjustment is made to the rear wheel mounts, the balance and operating characteristics of the wheelchair will be altered. Caution should be taken when the client once again operates the wheelchair paying special attention to the new balance of the wheelchair.

#### 1.4 Anti-tip tubes

The anti-tip tubes are mounted to the lower rear of the wheelchair frame. When used properly, they can prevent the wheelchair from tipping over backward. Use of the anti-tips are recommended at all times.

To put the Anti-tips in operating position, press in the Detent Button (unlocking the tube) and rotate the tube around so the wheels are in the downmost position. The Detent Button should then again lock the tube into place.

At times, it may be necessary to disable the anti-tip function. For instance, to raise the front wheels off of the ground in order to get over a curb or other obstacle. In this circumstance, simply reverse the above procedure.



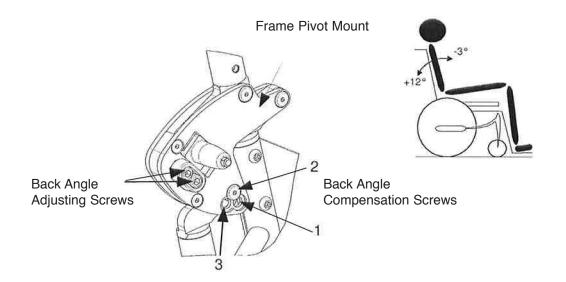
#### WARNING!

Because it is possible for the chair to tip over backwards when the anti-tips are not in the operating (downmost) position, it is imperative that they are in the operating position any time the wheelchair is in use. Failure to use the anti-tippers may result in the chair tipping over, causing personal injury and damage to the wheelchair.

#### 1.5 Back angle adjustment

For improved positioning and user comfort, the backrest is adjustable from between -3° to plus +12°.

To adjust the back angle, loosen both Back Angle Adjusting Screws shown in figure below. Adjust the backrest to the desired angle and retighten.



#### 1.6 Backrest angle compensation system

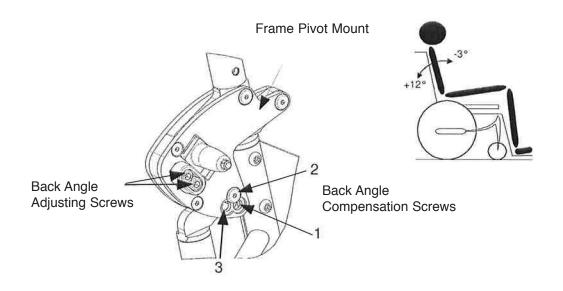
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When moving from the seated position to the standing position, the chosen back angle may have undesirable results as the chair raises. For instance, it is possible that a more closed back angle that works fine in the seated position could tend to push one excessively forward when standing. Conversely, too much of an open starting angle could, when standing, leave one leaning too far back and unstable.

The "Backrest angle compensation system" allows the backrest to articulate as the chair stands; either more closed or more open (forward or backward) in relation to its angle in the seated position.

This is accomplished as follows:

- The Upper Seat Rail, Lower Seat Rail and the Backrest Tube all connect to the back of the wheelchair frame at the Frame Pivot Mount.
- In the figure below are hole positions 1, 2, & 3 shown.
- If you prefer that the backrest stay at a constant angle as the chair raises; choose hole position 1
- If you prefer that the backrest articulate open 7 degrees (backward); utilize hole position 2.
- If you prefer that the backrest articulate closed 6 degrees (forward); utilize hole position 3.
- After setting the adjustment screw to the selected location, make sure that the chair is comfortable and safe in both the seated and standing position and readjust if necessary.

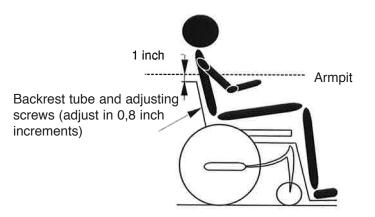


#### 1.7 Backrest height adjustment.

NOTE: This applies only to backs with back extentions!

Adjusted correctly, the backrest will be high enough to provide proper support in both the seated and standing position but not so high as to interfere with lateral movement and reaching of the upper body. Generally, it is advisable to align the top of the backrest upholstery to about 1" below the armpit.

To adjust, loosen and remove the backrest tube adjusting screws, slide the backrest insert tube to the desired height, and then replace and tighten the screws.



#### 1.8 Wheel locks.



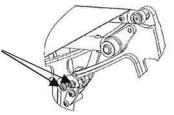
For safety reasons, it is imperative that the Wheel Locks be engaged whenever transferring into or out of the wheelchair, as well as when the stand-up feature is utilized. Proper pressure must be applied between the wheel lock contact arm and the tire so as to prevent the wheel from rotating.

It is necessary to adjust the wheel locks periodically, and mandatory any time a fore/aft adjustment is made on the wheel in relation to the frame. The adjustment is made by loosening the wheel lock adjusting screws, moving the wheel lock to the proper position, and re-tightening the screws. The screws are accessed on the inside of the sideframes.

Note that the tire pressure can have a significant affect on the holding ability of the engaged wheel lock. It is therefore necessary to make certain the tires have correct air pressure before attempting to adjust.



Wheel Lock Adjusting Screw



### 2. Standing Up

### 2.1 Preparing to stand

#### 

Make certain the wheelchair is on a flat and level surface free of any obstacles or ground indentations.

When preparing to stand, make certain the Wheel Locks are engaged! Failure to do so may cause the wheels to roll, thereby risking personal injury.

#### 

It is advisable to never stand the chair up without an occupant. Doing so can endanger the person releasing the standing mechanisms, and, it is difficult to return the chair to the seated position. If this occurs, it will be necessary to have an able bodied individual secure themselves in the chair to return it to the seated position.

#### 2.2 The Standing Process

#### 2.2.1 Fastening the Chest Strap

(Please refer to section 1.2 on page 15. Chest strap height adjustment and Chest strap tension adjustment (section 2.2.2 on page 22) before proceeding.

To fasten the chest strap simply place the insert tab into the slot on the receiver. Press in until it clicks and is locked in place.

To remove, simply depress the red button in the middle of the receiver and remove the insert tab.



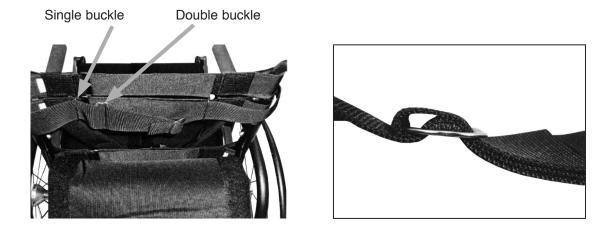
#### 

Take care that when the chest straps are not in use, they do not get caught in the rear wheel spokes. When not in use, it is best that they be fastened and hang behind the chair backrest.

#### 

Under no circumstances should the chest strap be used as a restraint device in an automobile. The user should transfer to a regular car seat and separately secure the wheelchair. Failure to do so may result in personal injury and/or damage to the wheelchair.

#### 2.2.2 Adjusting the chest strap tension



After the correct height for the chest strap has been chosen, you must adjust the tension of the chest strap.

The chest strap can be custom adjusted to each person. It needs to be snug enough to hold the torso in position when standing, but not so tight that it restricts breathing or over restrains upper body movement.

Begin with the client seated in the chair and engage the chest strap as described above.

The tension of the chest strap is simply a function of its overall length. The length is adjusted by weaving the straps through the single and double buckles located (and affixed to) the tension straps of the back upholstery.

#### A WARNING!

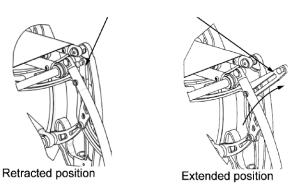
It is not possible to stand up in this device without the proper application of the chest strap. Attempting to do so is dangerous and could result in injury. The height of the chest strap must first be adjusted followed by tension adjustment.

#### 2.2.3 The Knee Block

The knee block provides support for the lower body, applying pressure to the upper shin as the wheelchair mechanisms work in concert to raise the body to the standing position. It is not possible to stand up without a properly positioned knee block

To mount the knee block, follow the instructions below:

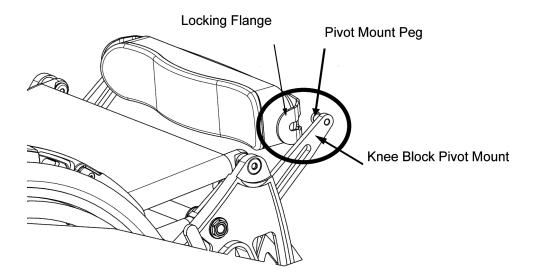
Pulling from the top, rotate the knee block pivot mount forward from the retracted position to the extended position until is locks in place Knee Block Pivot Mount



With the pads facing down, hook the left and right locking flanges on the outside of the knee block (from below, then moving up) to the knee block pivot mount pegs. Move them up into place, then rotate the knee block around toward the seat (pads rotated toward the rear as shown below).

#### MARNING!

It is not possible to stand up in this device without a knee block that is properly positioned and fixed in place. Attempting to do so is dangerous and could result in injury.

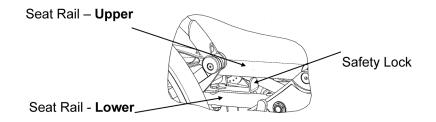


#### 2.2.4 Safety Locks

There are two Safety Locks (right and left) which are located between the upper and the lower seat rails. They can prevent the involuntary actuation of the standing mechanism. It is important that these locks be engaged at all times except for when preparing to stand.

The Safety Locks engage and disengage by sliding them rearward or forward along the Seat Rail – Lower. It is best to push and pull with your thumb and forefinger.

In preparation for standing, after all the standing preparations have been made, it is now appropriate to push the Safety Locks forward. They will disengage and allow the stand up mechanism to operate.



#### 2.2.5 Mechanical Movement to Standing

After completing the above, you are now prepared to stand. It is best that an attendant read the following instructions to the occupant seated in the chair.

- Engage the Safety Locks as described in 2.2.4 above.
- Engage the Wheel Locks as described in 1.8 on page 20.
- Mount the Knee Block as described in 2.2.3 on page 23.
- Grasp the right and left Arm Loops Levers by:

Positioning the thumbs and the base of the thumb on the top of the tube, the thumb extending forward;
Locating the base thumb knuckle approximately even with the backrest tube;
Wrapping the fingers around and under the bottom of the tube.

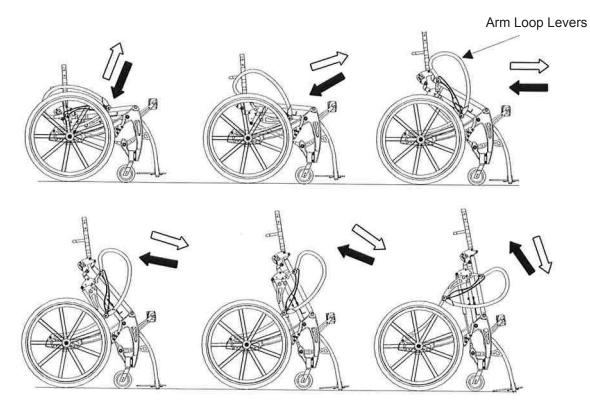
- Pull up you will feel the Arm Loop lever release from its lock position and begin to rotate. As this happens, the seat will begin its upward travel.
- Continue to rotate the lever up and forward utilizing an arm motion similar to that of propelling a wheelchair wheel. The seating mechanism will rise to achieve the full standing position as the lever continues to rotate and actually begins to travel downward.
- **NOTE:** The standing operation described above represents the optimum; it may take some practice to achieve. To begin, it may be necessary to reposition the hands on the lever in the process of standing. It is important that when ordering the chair, the appropriately charged gas struts for the client's body weight have been chosen.
- Once fully standing, the levers can now be "locked out". To do so, simply place your hands on the top of the levers and continue to rotate forward and down. You will feel the Arm Loop Lever lock in position.

- To return to the seated position, reach toward the front (what is actually the top) of the lever, grasp it, pull up and then back as it rotates. Continue until the chair once again achieves the fully seated position.
- **NOTE:** It may be necessary to reposition the hands one or more times, reaching to the frontmost part of the lever, in order to ultimately achieve the fully seating position.
- Once fully seated, the levers can now be "locked out" in the lower position. To do so, simply place your hands on the top of the levers and press down. You will feel the Arm Loop Lever lock in position.
- Engage the Safety Locks as described in 2.2.4.

#### 

In order to prevent the involuntary actuation of the standing mechanism, always remember to place the right and left safety locks (2.2.4) in the locked position (slid to the rear of the chair).

## **Mechanical Movement to the Standing Position**





**Rotation of Arm Loop Levers to Stand** 



Rotation of Arm Loop Levers to return to Seated Position

## Transport

### MARNING!

Your wheelchair has neither been designed nor tested to be used as a seat in a moving vehicle. Do not sit in the chair in a moving vehicle, transfer to a regular car seat or a correctly fitted seat adapted for this purpose. Failure to do so may result in personal injury or damage to the wheelchair.

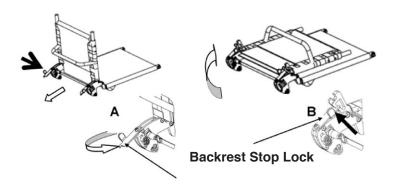
**NOTE:** When transporting the chair in a vehicle, the volume of space it requires can be greatly reduced making it easier and more convenient. Please see the following:

- Make certain that the two safety locks (right and left) are engaged preventing the standing mechanism from involuntary actuation.
- · Remove the quick release rear wheels
- · Remove the quick release front casters
- Fold down the backrest by grasping the pull cord, making a fist and rotating your hand. This will withdraw the two detent pins from there mounts and the back will release to fold down.
- To prevent the backrest from returning to the upright position when lifting, rotate the Backrest Stop Locks to the forward/lock position.

Never lift the wheelchair by the Arm Loop Levers (stand-up levers) or the backrest when folded. Please see figure below for the correct lifting points.

#### 

After transporting, and before each reassembly of the wheelchair after disassembly, it is imperative to make certain that all the parts are appropriately positioned and secured in place.





## Maintenance

### Cleaning

Before initial use, you should clean the chair and remove any latent manufacturing or packing materials. Periodically, it is recommended it be cleaned on a regular basis per the following:



Do not use rough or corrosive detergents or any high pressure cleaning devices.

• For painted parts: wipe down with slightly soapy water on a clean cloth.

• For upholstery: use a soft and moistened cloth.

After use in the rain, it is recommended that the wheelchair be dried with a clean cloth.



Sand and seawater can damage the bearings, hardware and paint of the wheelchair.

### **Anually service**

It is recommended that your wheelchair be serviced annually by an authorized Permobil dealer.

## **Technical Specifications**

Maximum occupant weight	
Seat width	
Seat depth	
Frame	Rigid, fold down backrest
Seat	Depth adjustable, tension adjustable sling seat
Material	2017 Aluminum, Titanium, Carbon Fiber
Backrest	Angle Adjustable, angle compensation system, tension adjustable upholstery
Upholstery	Polyester fireproof material (M4), washable
Footrests/plates	Height, angle adjustable
Wheels	Front diameter - 5" and 6" Rear diameter - 24" and 26"
Wheel locks	Manually applied
Propulsion	Manual
Standing Mechanism	Manual assisted standing utilizing gas- powered struts, changeable according to the client's weight
Rear stabilization	Anti-tip wheels (optional)



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