

HYDRAULIC PATIENT LIFT



**400 lb  
Weight  
Capacity**

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## PATIENT LIFT INTRODUCTION

This instruction manual provides you with important safety and operating instructions on the use of patient lifts, slings (additional purchase), and accessories, as well as maintenance and warranty information. Read and understand the manual before operating your patient lift and refer to it as often as needed.

Do NOT attempt any transfer without prior approval of the patient's healthcare provider. With their assistance, select the sling that best serves the needs, abilities, comfort and safety of the person being lifted. We strongly recommend that two attendants assist in transfers, lifting the patient and lowering the patient. It is important that you use correct slings adapted to the body shape and weight and ability of the patient and the specific type of transfer needed.

Upon receipt of the patient lift, and prior to each use, inspect it closely to ensure that nothing is damaged, there are no loose or broken parts, all items are lubricated (according to maintenance schedule p10,11) that all patient lift parts are in the proper place and secured. Immediately replace any worn or broken components. Your patient lift should receive maintenance on a regular schedule (see p17) and should be inspected daily for proper operation.

Before lifting anyone, thoroughly read the instructions in this manual. Observe a team of trained experts perform the lifting procedures. The operator should practice the entire lifting procedure several times with proper supervision and a capable individual acting as patient. It is extremely important to know how a patient will feel in the patient lift. We suggest that the operator try all the various lifting slings and equipment until the operator is confident with how the patient lift operates. The lifting procedures should be explained to the patient before the actual lifting. Remember that safety requires undivided attention of the lift occupant and the operator. It is highly recommended that two attendants assist in the transfer of the patient. Use extreme care and common sense when operating a patient lift.

Basic safety procedures in this manual are to be used as a guide only. Attendants may find that different techniques work better for them and their patient.

**NOTE: BEFORE ATTEMPTING TO ASSEMBLE THE PATIENT LIFT, REFER TO THE SECTION TITLED "ASSEMBLY INSTRUCTIONS" ON PAGE 10-11 IN THIS MANUAL.**

## CAUTION AND WARNINGS




### WARNING!

DO NOT operate this equipment without first carefully reading and understanding this manual. If you are unable to understand the warnings, cautions and instructions, contact your dealer or a healthcare professional before attempting to use this equipment. Failure to do so may result in serious injury or damage to your patient, attendant(s) and/or patient lift.

## MAINTENANCE

Maintenance must be performed by qualified personnel ONLY.

 Warning and caution notices as used in this manual apply to hazards or unsafe practices which could result in personal injury.

SAVE THESE INSTRUCTIONS AND KEEP WITH PATIENT LIFT AT ALL TIMES.

The information contained in this document is based on the latest product information available at the time of publication.

To see the most up to date version of the manual, please scan the QR code below or visit our website: [rhythm-hc.com](http://rhythm-hc.com)



## SAFETY PRECAUTIONS


IMPORTANT: Before using patient lift, please read and adhere to the following safety precautions and warnings. Failure to do so could result in serious injury to patient, attendant(s) and/or damage to your patient lift.

Always consult your healthcare professional to determine safe methods most suitable for your individual abilities. Protect yourself, your attendant and patient lift by having it serviced regularly.


Periodic inspection, adjustment and replacement of worn parts are necessary to provide years of reliable service. See page 10 for in depth maintenance schedule.


### WARNINGS


Check all parts for shipping damage before using. In case of damage, Do NOT USE the equipment. Contact the carrier.


 WARNING! Patient lift may tip over if used incorrectly. Read and adhere to the operating instructions prior to lifting patient.


 WARNING! When transferring a patient, always keep the patient centered over the base.


 WARNING! This patient lift is designed for transfer only. It is not intended for transporting or moving a patient from one location to another.


 WARNING! The Hydraulic Patient lift maximum weight capacity is 400 lbs.

 WARNING! Ensure that all loops on the lifting slings are correctly attached to the hooks to prevent the patient lift from sliding or falling out of the sling, which could result in personal injury. Never use the patient lift for anything other than a person.

 WARNING! Do not lock the brakes, lock the wheels or block the wheels when lifting. The casters must be free to roll to allow the patient lift to stabilize itself when the patient is initially lifted from a chair, bed, or any stationary object.


 WARNING! To ensure stability while transferring a patient, the patient lift legs should be locked in the maximum open position.


 WARNING! Replace any worn or broken parts immediately! Torn, cut, deteriorating, frayed, or broken slings can fail, resulting in personal injury. Only use slings that are in good condition.


 WARNING! Unauthorized modification of your patient lift or the use of non Rhythm Healthcare replacement parts may change the structure of the lift and can create a hazardous condition, which may result in serious injury and will void the warranty. The base legs, the mast, boom, pump assembly and the swivel bar are manufactured to specifications that assure correct alignment of all parts for safe functional operation.

CONTINUED ON NEXT PAGE

## SAFETY PRECAUTIONS (CONTINUED)

 **WARNING!** Hydraulic Patient Lift only: The hydraulic pump is sealed at the factory. If service is required, the unit must be returned to the factory for repair. Do NOT attempt to open the hydraulic pumps or obtain local service; This will void the warranty and may result in damage to the unit.

 **WARNING!** Use custom made slings if the patient has special disabilities and standard slings cannot be used.

 **WARNING!** Use extreme care, caution, and common sense when utilizing a patient lift. Special attention must be given to patients who are disoriented and can not cooperate while being lifted such as being comatose, agitated, spastic and/ or confused.

## HANDLING PROCEDURES

### SHIPPING AND TRANSPORTATION INSTRUCTIONS

If the patient lift is to be reshipped by common carrier, it should be packed in the same carton/s in which it was received.

### UNPACKING

1. Check for any obvious damage to the carton or its contents. If damage is evident, notify the shipping carrier.
2. Remove all loose packing from the carton.
3. Carefully remove all the components from the carton.

Note: Unless the patient lift is to be used immediately, retain boxes, containers and packing material for use in storing until use of patient lift is required.

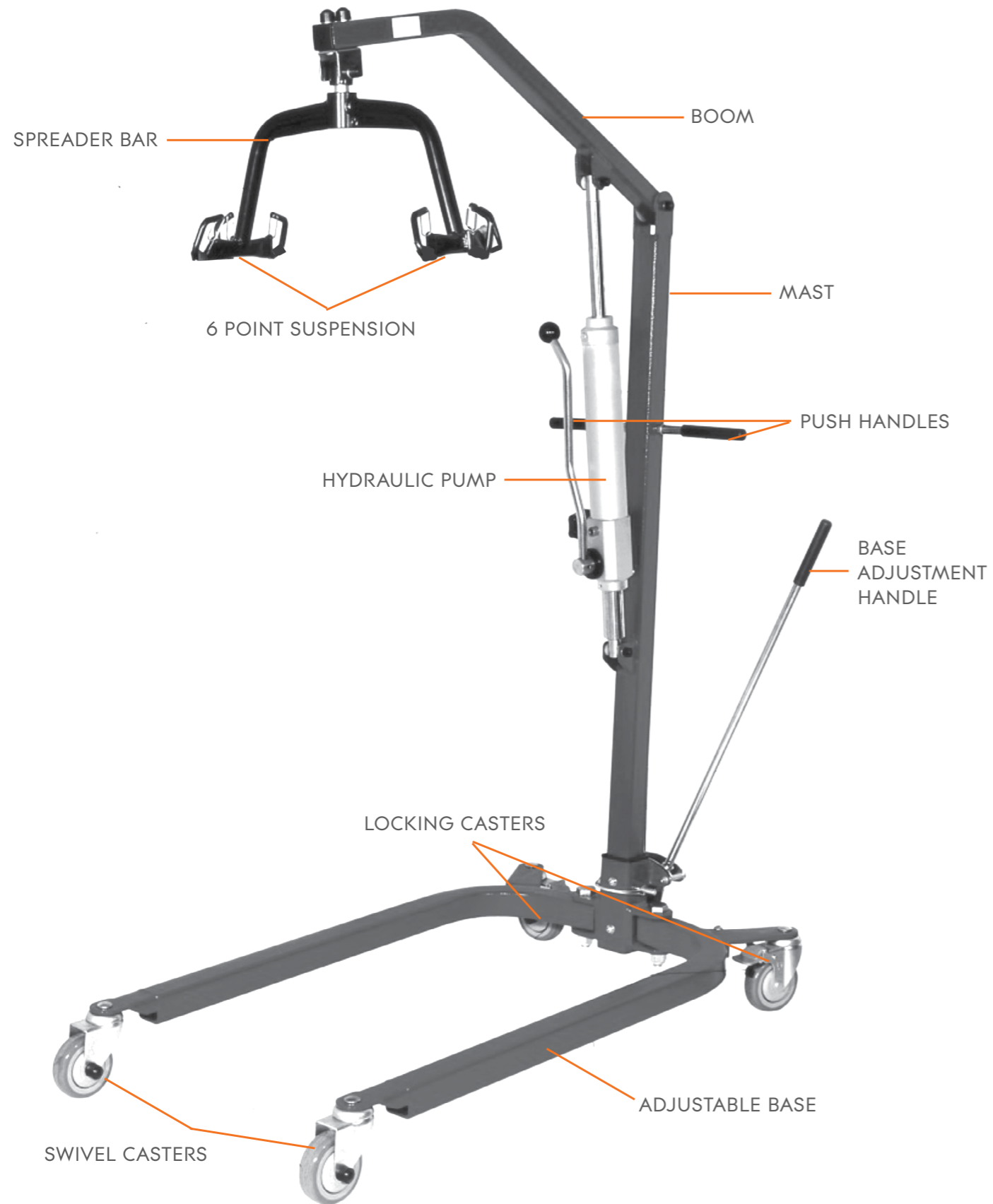
### INSPECTION

1. Examine the exterior of the patient lift for nicks, dents, scratches or other damage.
2. Inspect all components.

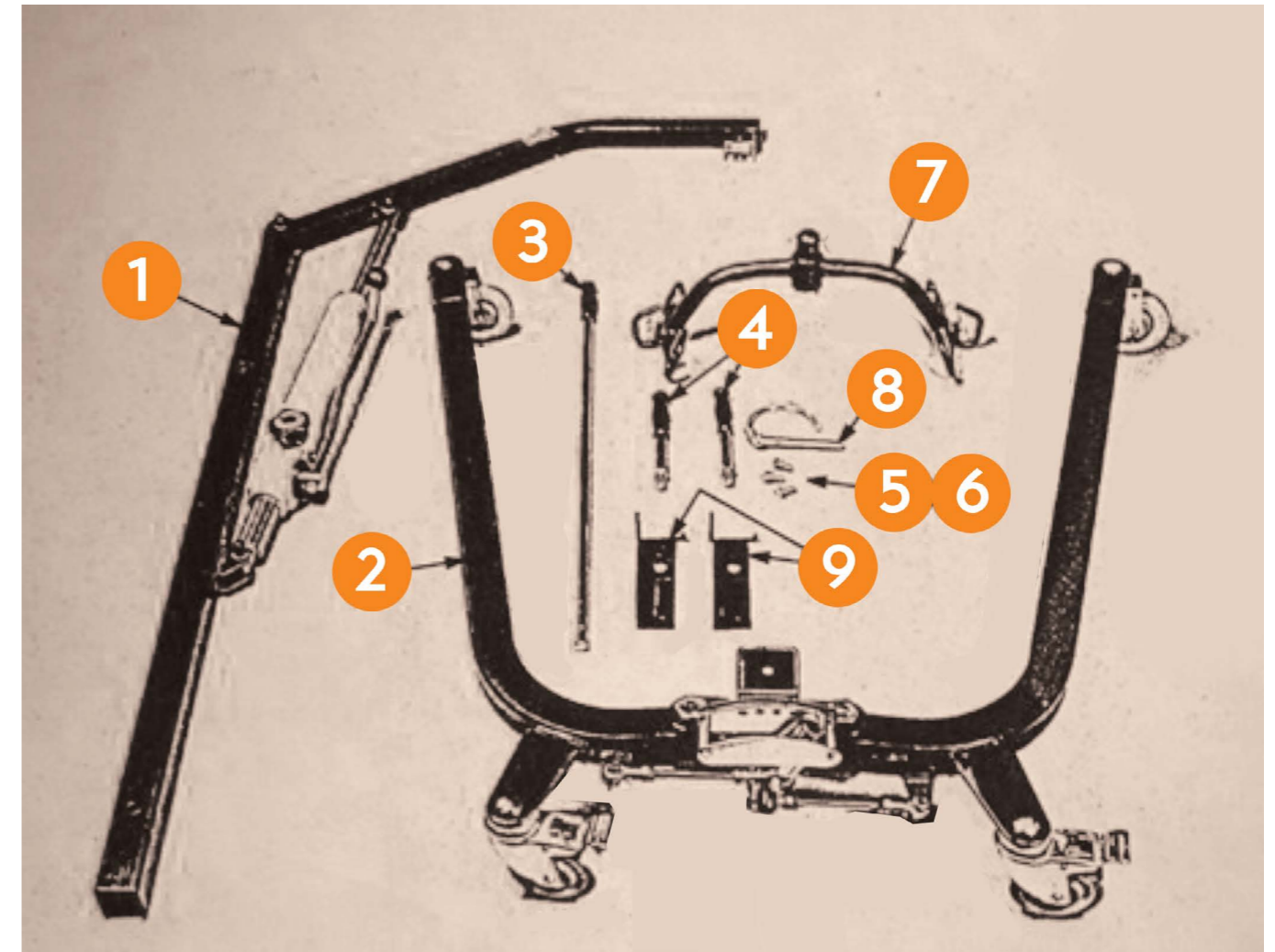
### STORAGE

1. Store the repackaged patient lift in a dry area.
2. Do NOT place other objects on top of the repackaged patient lift.

## PARTS DIAGRAM PART 1



## PARTS DIAGRAM PART 2

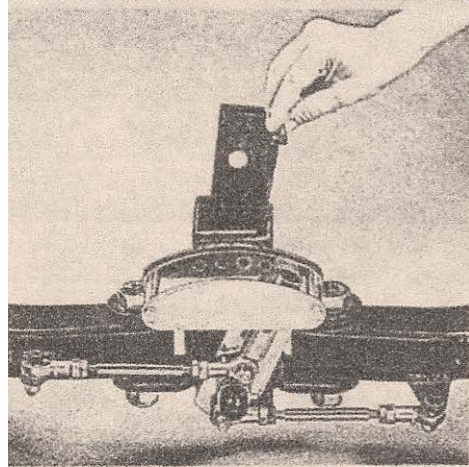


1. Mast/Boom/Pump Assembly
2. Base
3. Base Adjustment Handle
4. (2) x Push Handles
5. (2) x Mast Attachment Bolts
6. Base Adjustment Handle Bolt
7. Cradle/Spreader Bar
8. Locking Pin
9. (2) x L-inserts

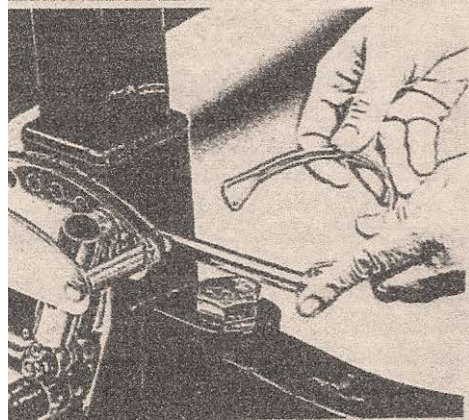
## ASSEMBLY INSTRUCTIONS



1. Remove the locking pin from the mast sleeve located on the back of the base.

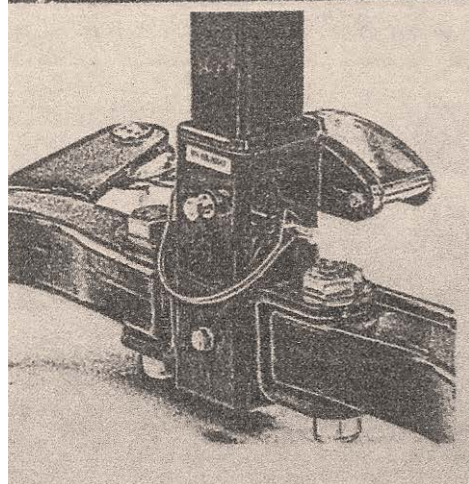


2. Install the L-inserts in the base.



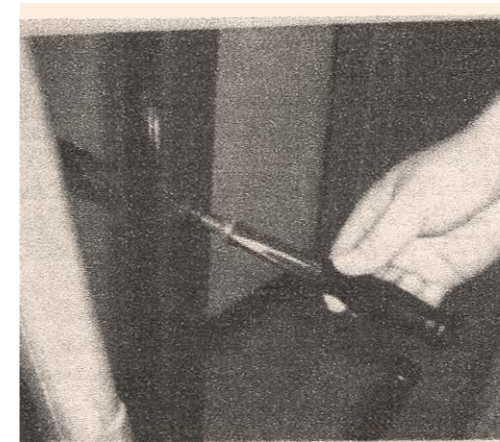
3. With the boom pointed in the same direction as the base legs, insert the mast into the sleeve.

4. Insert the locking pin through the holes of the sleeve and mast, and attach locking cable to the end of the pin.

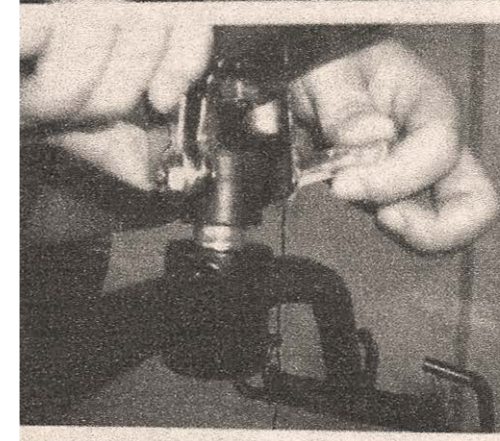


5. Screw the two mast attachment bolts into the holes in the sleeve of the base.

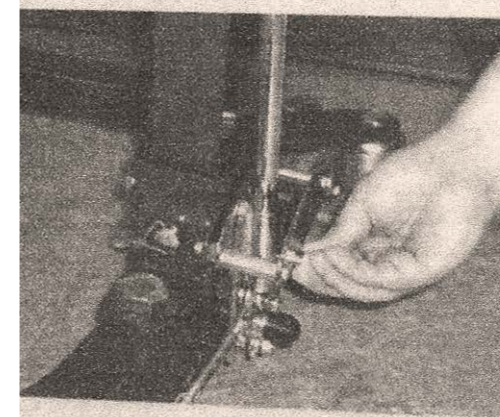
## ASSEMBLY INSTRUCTIONS



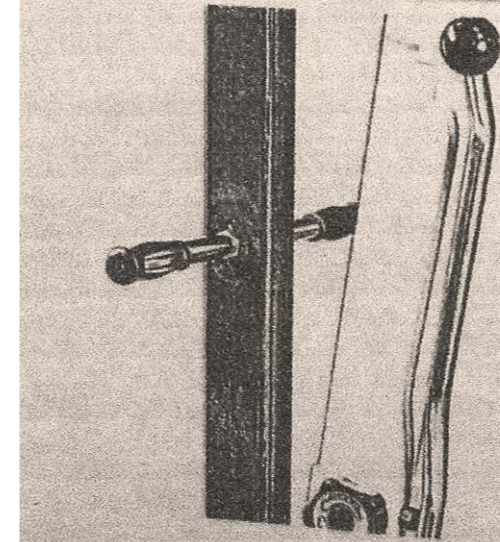
6. Screw the push handles into the mast and tighten the base.



7. Remove the bolt from the top of the spreader bar, taking care not to drop the pin assembly. Install the spreader bar in the U bracket at the end of the boom. Align holes. Insert bolt and tighten.



8. Install the base adjustment handle in the socket located behind the mast sleeve on the base. With base handle to the far right position, insert and tighten base attachment bolt to ensure that the handle is firmly attached to the base





8. For shipping purposes, the boom is in its lowest position. To elevate, turn the pump knob clockwise until secure and operate the pump handle.

## OPERATING INSTRUCTIONS

### LIFTING THE PATIENT

#### LIFTING THE PATIENT FROM A BED

 **WARNING!** Ensure all bolts, hooks, and loops are securely fastened.

 **WARNING!** Torn, cut, frayed, or broken slings should not be used as injury could result.

1. Roll the patient onto their side. Place the folded sling behind the patient's back. The center of the sling should be aligned with the patient's spine. Roll the patient onto their back on top of the sling keeping it aligned.

2. Pull the leg loops forward and under the thighs.


3. Cross the loops, one through the other.

4. Roll the patient lift base under the bed, locating the suspension over the patient. Be careful not to lower the suspension onto the patient. Center the suspension over the patient before lifting.


 **WARNING!** The casters should not be locked!


5. When all four loops are hooked onto the suspension, raise the patient carefully. If the patient is in a hospital bed, it will help to raise the head section of the bed. Repositioning of the patient may be needed to ensure that a safe and comfortable sitting position is attained as the patient is raised. Reposition, using the handle on the back of the sling.

6. Raise the patient until the buttocks are just above the mattress. Lift the patient's legs and turn the patient to face the lifting column. When clear of the bed, and if practical, lower the patient so that the patient's feet rest on the chassis. If possible, lower the bed before lifting. Move the patient lift away from the bed. Ensure that the occupant's arms and legs clear the patient lift, bed, or any other obstacles.

 **WARNING!** Do not attempt to transfer a patient without prior approval of the patient's healthcare professional and without having read the instructions and practiced using the patient lift.

 **WARNING!** Use special care for those patients who cannot cooperate while being lifted.

 **WARNING!** Attendant(s) should practice good posture and body mechanics when positioning a patient onto any seating surface.

 **WARNING!** Ensure the floor area is clear of any obstacle that could cause a caster to stop and possibly tip the patient lift.

OPERATING INSTRUCTIONS CONTINUED ON NEXT PAGE

## OPERATING INSTRUCTIONS

### LOWERING THE PATIENT ONTO A BED

1. Raise the patient lift until the patient's buttocks are above the surface of the bed. Ensure that there are no obstacles underneath or around the bed. Move the patient lift under the bed. Be careful the patient does not hit any portion of the bed and that the patient's legs have cleared the bed.

2. Center the patient over the bed, and rotate the patient to face the foot section of the bed. Carefully lower the patient onto the bed. It may be necessary to support the patient's head while being lowered. Remove the sling by reversing the procedures used when lifting the patient.

### LIFTING THE PATIENT FROM THE FLOOR

1. Position the patient lift behind the patient, placing a pillow over the base to protect and support the patient's head and neck. Place the head of the patient carefully on the base. The patient lift should be positioned with the suspension centered over the patient.

2. Lower the suspension and attach the sling to the four hooks.

3. Lift the patient up above the floor. Position the patient in the sling by pulling the handle on the back of the sling. Turn the patient to face the lifting column, and place the patient's feet on the base, straddling the column for extra stability.

### LOWERING THE PATIENT TO THE FLOOR


1. Place a pillow on the base to protect the patient's head the neck ( This is unnecessary when using a sling with a head support).

2. Reverse the above procedures to lower.

### TRANSFERRING THE PATIENT FROM A CHAIR TO WHEELCHAIR.

Note: It is recommended that two (2) attendants be used when transferring a patient to and from a wheelchair.

#### TRANSFERRING THE PATIENT FROM A CHAIR TO WHEELCHAIR

 **WARNING!** Wheel locks on wheelchair must be in a LOCKED POSITION before lowering the patient into the wheelchair for transport and for removing the patient from the wheelchair. Failure to do so could result in unexpected movement of the wheel chair, which may result in serious injury to both the patient and the attendants.

1. Fold the sling.

2. While maintaining support, gently lean the patient forward. Place the folded sling behind the patient's back and push it down until it touches the seat of the chair.

3. With the loops, pull the leg sections of the sling forward and beneath the patient's thighs. The loops are then crossed, one through the other.

4. Move the patient lift around to the front of the chair. When all four loops are hooked onto the suspension, carefully raise the patient.

5. Remove the chair and move the wheelchair into position.

6. Lock the wheels of the wheel chair to prevent movement.

7. Position the patient over the wheelchair with their back against the back of the wheelchair.

8. Slowly lower the patient into the wheelchair.

9. With one (1) attendant behind the wheel chair and the other operating the lift, the attendant behind the chair should pull back on the handle or sides of the sling to place the patient into the back of the chair.


This will maintain a good center of balance and prevent the chair from tipping forward.

OPERATING INSTRUCTIONS CONTINUED ON NEXT PAGE

## OPERATING INSTRUCTIONS (CONTINUED)

### REMOVING SLING


Gently pull the leg sections to the side, out from under the patient's thighs. Standing by the patient's side, lean the patient forward while supporting the patient with one hand. Pull the sling up from behind the patient's back and position the patient in the chair.

 **WARNING!** Pulling sharply on the sling may cause the patient to fall forward, resulting in personal injury. Always support the patient by keeping one arm around the patient's shoulders when placing or removing the sling.

Note: If possible, the patient should be encouraged to take an active part in removing the sling. The patient can lean forward, lift their thighs, and help in removing the leg sections.

## CARE AND MAINTENANCE

Proper care and maintenance is essential to keeping your patient lift in safe operating condition. In addition to inspection of the unit before each use, periodic maintenance checks should be done. We further recommend that this unit be serviced at least once, annually, by an authorized dealer.

 **WARNING!** It is extremely important that the patient lift be inspected before each use. Ensure that all hardware and accessories are secure and that the actuator is functioning properly. Failure to do so could result in patient / attendant injury or damage to your patient lift. Torn, cut, frayed or broken slings can fail, resulting in serious injury. Only use slings in good condition. Inspect before each use. Destroy and discard old worn and unusable slings.

When you believe a component or part is not functioning properly, immediately contact your authorized dealer, as a potentially hazardous condition could exist.

### BEFORE EACH USE

Before each use of the patient lift, ensure that:

1. All nuts and bolts are tight.
2. The lift moves freely (with caster brakes off)
3. Rear caster brakes operate properly.
4. Base adjustment mechanism operates easily.
5. The hydraulic pump operates properly. (Hydraulic patient lift only)

### LUBRICATION

Your patient lift was designed with minimum maintenance in mind; However, a six (6) month check and lubrication should ensure that your patient lift will remain in peak operating condition. The casters **MUST** roll and swivel freely. Lightweight waterproof grease (such as automobile lubricant) should be applied to the ball bearing of the casters every six (6) months. Apply grease more frequently if the casters are exposed to periods of excess moisture. Lubricate all pivot points with lightweight oil. Clean patient lift of all excess oil and grease.

### BEFORE USE OF THE PATIENT LIFT, AND EVERY TWO MONTHS THEREAFTER, PLACE A DROP OF OIL ON THE FOLLOWING AREAS:

- The point where mast and boom connect
- Swivel bar hooks
- Pump handle hinge.
- Caster axles.
- The point where pump and boom connect

### CLEANING

Regular cleaning is recommended. A soft cloth, dampened with water and a mild NON-ABRASIVE detergent (household cleaner, soapy water, or hospital grade disinfectant) is all that is needed to clean your patient lift. Auto mobile wax or furniture polish will help maintain the finish over a long period of time.

Do not wash under water pressure or steam clean.

### CHECKING FOR DAMAGE AND WEAR

It is extremely important to frequently check the areas of the patient lift that are under a great deal of stress for damage and wear. These areas include slings, spreader bars, spreader bar suspension and mounting hardware, pump mounting hardware and all pivot points. Inspect for signs of cracking, fraying, deformation, and any loose components. Replace any defective parts immediately, and make certain that the patient lift is not used until repairs are made.

Weight Capacity: 400lbs (181kg)

CARE AND MAINTENANCE CONTINUED ON NEXT PAGE



## CARE AND MAINTENANCE

### MAINTENANCE SCHEDULE

Note: Only qualified persons should service and repair your patient lift. Regular maintenance of your patient lift is necessary to ensure continuing proper and safe operation. Read and observe the following recommended maintenance schedule.

PART	Inspect initially	INSPECT/ Adjust daily	INSPECT/ Adjust monthly	INSPECT/ Periodically
<b>Base and casters</b>				
Ensure that base is level (All four wheels touch the floor)	●		●	●
Ensure that caster mounting bolts and axle bolts are tight	●		●	
Ensure that casters swivel and roll freely	●		●	
Apply a light grease to caster ball bearings				●
<b>Base Adjustments</b>				
Ensure that base opens and closes smoothly	●		●	●
Ensure that base locks securely in three positions	●		●	
Ensure that locking knob is in place and operating properly	●		●	
Inspect all base hardware for wear			●	
<b>Mast</b>				
Ensure that mast is fully engaged and locked into mast sleeve	●		●	
Inspect mast for bends or deflections			●	
Inspect all mast hardware for wear			●	●
<b>Boom</b>				
Inspect boom for bends or deflections	●		●	
Ensure that boom is centered between the base legs	●		●	●
Inspect all boom hardware for wear			●	

## CARE AND MAINTENANCE

PART	Inspect initially	INSPECT/ Adjust daily	INSPECT/ Adjust monthly	INSPECT/ Periodically
<b>Spreader bar</b>				
Inspect hanger post for wear or damage			●	
Inspect sling hook for wear or deflections			●	●
Inspect all spreader bar hardware for wear			●	●
<b>Slings</b>				
Inspect slings and straps for wear or damage		●		
Inspect metal/ Plastic parts for wear or damage		●		
<b>Lubrication with light oil</b>				
Lubricate all pivot points				●
Lubricate top and bottom of actuator mounting				●
<b>Cleaning</b>				
Clean with mild non-abrasive detergent				●
<b>Pump (Hydraulic patient lift only)</b>				
Ensure that pump mounting hardware is tight	●		●	
Inspect pump mounting hardware for wear			●	
Inspect for proper up / down operation	●	●		
Ensure that mounting hardware is tight	●		●	
Inspect Mounting hardware for wear			●	

## TROUBLESHOOTING

WARNING! If you experience a problem with your lift and are unable to service it yourself, contact your dealer.

SYMPTOM	POSSIBLE CAUSE	ACTION
Lift does not raise or lower	Air in cylinder	Bleed the cylinder by turning the release knob and pushing down on the mast. Pump up lift again and turn release knob again.
	Loss of hydraulic fluid (leaking cylinder)	DO NOT USE LIFT and replace leaking cylinder.
Lift does not lower	Air in cylinder	See directions above.

## LIMITED ONE YEAR WARRANTY

### ONE YEAR LIMITED WARRANTY

Your hydraulic patient lift is warranted to be free of defects in materials and workmanship for one (1) year after purchase by original consumer or owner. Components included in this warranty are:

1. Lift frame, mast, boom, cradle and swivel bar.
2. Hydraulic pump

### ADDITIONAL WARRANTY

All other non-durable components, such as rubber parts, plastic and painted areas are warranted for 3 months from first purchase. These are subject to normal wear and subsequent replacement.

### LIMITATIONS

We do not warrant damage due to neglect, misuse or improper installation and/or exceeding the 400 lbs weight capacity.

