



Panacea®

# ATLAS FLOOR LIFT

MODELS PAN-PL5500DF, PAN-PL5500DP

## Owner's Manual

*Please keep and refer to this Owner's Manual.*

Thank you for purchasing a Panacea® Atlas Floor Lift from Direct Supply Equipment & Furnishings®. Please read this entire guide carefully and keep it for future reference. This guide will provide you with instructions, warnings, warranty information and other important information about your lift. Share this information with those individuals who will be assembling, using, servicing, and/or cleaning the product to help ensure it is cared for properly.

# Table of Contents

<b>INTRODUCTION.....</b>	<b>4</b>
Important Safeguards .....	4
Definitions & Symbols .....	4
<b>SAFETY WARNINGS &amp; CAUTIONS.....</b>	<b>5 - 7</b>
General Guidelines.....	5
Operating Guidelines .....	5
Positioning and Pinch Points .....	5
Lift Assembly .....	5
Lift Operation .....	5
Using the Slings.....	6
Lifting the Resident .....	6
Transferring the Resident.....	6
Performing Maintenance .....	7
Electrical & Grounding .....	7
Disposal.....	7
Radio Frequency Interference.....	7
<b>ASSEMBLY .....</b>	<b>8 - 11</b>
Parts Identification.....	8
Unpacking.....	8
Instructions .....	9 - 11
<b>OPERATION.....</b>	<b>12 - 15</b>
Hand Pendant Controls.....	12
Raising/Lowering the Boom .....	12
Opening/Closing the Legs .....	13
Emergency Release.....	14
Emergency Stop .....	14
Charging the Battery.....	15

<b>LIFTING THE RESIDENT .....</b>	<b>16 - 17</b>
Positioning the Resident Lift.....	16
Attaching a Sling.....	16
Lifting/Moving the Resident .....	16 - 17
<b>TRANSFERRING THE RESIDENT .....</b>	<b>18 - 19</b>
Transferring to a Commode Chair .....	18
Transferring to a Standard Commode .....	18
Transferring to a Bathing Unit .....	19
Transferring to a Wheelchair .....	19
<b>TROUBLESHOOTING .....</b>	<b>20</b>
<b>MAINTENANCE .....</b>	<b>21 - 24</b>
Safety Inspection Checklist .....	21
Lift Lubrication.....	22
Detecting Wear & Damage.....	22
Cleaning the Sling & Lift .....	23
Lifting Actuator Replacement .....	23
Mast Pivot Bolt.....	23
Cradle/Hanger Bar .....	23
Base Adjustment .....	24
Caster Replacement .....	24
<b>TECHNICAL SPECIFICATIONS .....</b>	<b>25</b>
<b>LIMITED WARRANTY .....</b>	<b>26</b>
<b>CUSTOMER SERVICE.....</b>	<b>27</b>

# Introduction

Thank you for purchasing a Panacea® Atlas Floor Lift. In this owner's manual, you'll find important information you should read before assembling or using this product. Please keep this manual for future reference.

If at any time you do not understand how to use this product, or you suspect it may be damaged, DO NOT USE and immediately contact the distributor that sold this product to you.

This owner's manual is compiled from the latest specifications and product information available at the time of publication. Changes may be made to this manual at any time. Contact your distributor for a current copy of this owner's manual.

## Important Safeguards

**⚠ WARNING:** When using battery-operated mechanical products, especially when children are present, basic safety precautions should always be followed. Read all instructions before using and save for future reference. Important information is highlighted by the terms in the Definitions & Symbols section.

**⚠ WARNING:** This device is intended for indoor use under the supervision of licensed healthcare professionals. Use this device only as instructed. This device may not be appropriate for all individuals.

## Definitions & Symbols

**NOTE:** Indicates a tip.

**CAUTION:** Indicates correct operating or maintenance procedures in order to prevent damage to or destruction of the equipment or other property.

**WARNING:** Calls attention to a potential danger that requires correct procedures or practices in order to prevent personal injury.

**⚠:** Attention! Read the instructions.

**PRODUCT or DEVICE:** Your Panacea® Atlas Floor Lift

**WE, US and OUR:** Direct Supply Manufacturing, Inc.

**"You"** means the user, caregiver or any other individuals who will be using or servicing the product.

**"Distributor"** means the reseller or other entity from whom you purchased this product.

**"Medical Professional":** The physician or other healthcare professional who is familiar with the user's medical history and current medical condition and is responsible for determining if this product is medically appropriate for the user.

**"Caregiver":** The individual(s) responsible for the care and needs of the user, such as a spouse, adult family member or home health aide. The caregiver must be available at all times to provide the user with physical and cognitive assistance and provide supervision as needed.

**"User":** The individual who uses the device.

# Safety Warnings & Cautions

## General Guidelines

**⚠ WARNING:** Do not install, assemble, or operate this equipment without first reading and understanding the instruction manual. If you are unable to understand the warnings, cautions or instructions, contact a healthcare professional, dealer, or technical personnel before attempting to use this equipment. Otherwise, damage or injury may occur.

**THE INFORMATION CONTAINED IN THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE.**

**⚠ WARNING:** Before using this product, check all parts for shipping damage. If the product is damaged, do not attempt to use it and contact your distributor.

## Operating Guidelines

**⚠ WARNING:** This lift is not intended to transport a resident. It is intended only to transfer a resident from one utility (beds, chairs, commodes, etc.) to another. Injury or damage may occur if not used as intended.

**⚠ WARNING:** Do not attempt to transfer a resident without prior approval from a medical professional. Do not install, assemble or operate this equipment without first reading and understanding the instruction manual and observing trained specialists perform a lift.

**⚠ WARNING:** This lift has a maximum lifting capacity of 500 lbs.

**⚠ WARNING:** People with disabilities must be watched closely when lifted and special care must be taken.

**⚠ WARNING:** Only slings and accessories specifically verified for use with Direct Supply® resident lifts should be used. Use of other manufacturers' components or accessories may compromise the operation of this lift.

**⚠ WARNING:** If the resident lift becomes wet or exposed to extreme temperature or humidity prior to use, ensure handgrips do not twist on resident lift handle. Damage or injury could occur.

**⚠ CAUTION:** Avoid damage to the resident lift by keeping foreign objects from coming in contact with the lift mechanism.

## Positioning & Pinch Points

**⚠ WARNING:** It is possible for a body part to be caught in a pinch point either between moving mechanical parts or between moving and stationary parts of the product. When operating the lift, be aware of the cradle/hanger bar position relative to the resident. Injury could occur.

## Lift Assembly

**⚠ WARNING:** DO NOT overtighten hardware. Product damage may occur.

## Lift Operation

**⚠ WARNING:** Before attempting to transfer, the user must be assessed by a qualified professional.

**⚠ WARNING:** Only trained and qualified caregivers should transfer a person. Do not attempt to use the lift if you have not been properly trained to do so.

**⚠ WARNING:** Do not store the lift in a shower, bath or other area with high humidity.

**⚠ WARNING:** Keep all lift components clean and dry and ensure electrical and mechanical safety.

**⚠ WARNING:** Always maneuver the lift with the handles provided.

**⚠ WARNING:** More than one assistant is recommended for all resident lift activities.

**⚠ WARNING:** When mounting the battery on the charger, listen for an audible click to confirm proper mounting. Otherwise, damage or injury could occur.

**⚠ WARNING:** DO NOT exceed 500 lb. weight capacity.

**⚠ WARNING:** Keep clear of moving parts to avoid injury while the lift is in operation.

# Safety Warnings & Cautions *(cont.)*

## Using the Sling

**⚠ WARNING:** For proper comfort and safety, use only a sling verified for use with this resident lift and recommended by a medical professional.

**⚠ WARNING:** DO NOT use any type of material between the resident and sling that may cause the resident to slide out of the sling during transfer.

**⚠ WARNING:** DO NOT modify slings in any way. Before each use, check sling attachments to ensure proper connection.

**⚠ WARNING:** If the resident is in a wheelchair, activate wheelchair wheel locks to prevent chair from moving during transfers.

**⚠ WARNING:** After each use or wash, inspect sling(s) for wear, tear and loose stitching. Bleached, torn, cut, frayed or broken slings are unsafe and could result in injury. Discard and replace immediately.

**⚠ WARNING:** When connecting slings equipped with color-coded straps to the resident lift, the shortest straps MUST be at the back for proper support. The loops of the sling are color-coded to assist in connecting both sides of the sling equally. Always ensure the resident's head is properly supported during lifts.

## Lifting the Resident

**⚠ WARNING:** When lifting and lowering the resident, ensure legs on adjustable base are in the maximum open position for optimal stability.

**⚠ WARNING:** After elevating the resident a few inches above stationary object, ensure the sling and all attachments are properly connected and secure. If any attachments are not correct, lower the resident back onto the stationary object and correct this problem. Adjustments for safety and comfort should be made before moving the resident. Ensure the resident's arms are inside the straps.

**⚠ WARNING:** Use of other manufacturers' components or accessories may compromise the operation and are not to be utilized as a component of this resident lift system.

**⚠ WARNING:** During transfers with the resident suspended in a sling attached to the lift, DO NOT roll caster base over uneven surfaces that could cause the resident lift to tip over. Always use the steering handles on the mast to push or pull the resident lift.

**⚠ WARNING:** When lifting a resident, DO NOT lock the rear casters. Doing so could cause the lift to tip and could injure the resident or assistants. The rear casters should be left unlocked during lifting to allow the resident lift to stabilize itself when the resident is initially lifted from a chair, bed or any stationary object.

## Transferring the Resident

**⚠ WARNING:** After elevating the resident a few inches above stationary object, ensure the sling and all attachments are secure and properly connected. If any attachments are not correct, lower the resident back onto the stationary object and correct this problem.

**⚠ WARNING:** Before lowering the resident into wheelchair, ensure wheel locks are in a locked position.

**⚠ WARNING:** Before transferring, ensure the resident's weight does not exceed the 500 lb. weight capacity of the resident lift.

**⚠ WARNING:** Be sure to check the sling attachments each time the sling is removed and replaced to ensure it is properly attached before the resident is lifted from the bed or chair.

**⚠ WARNING:** Ensure mast is securely fastened for safety. All nuts, bolts, pins, and other attachments must be checked at least every six months in conjunction with periodic maintenance.

## Performing Maintenance

**⚠ WARNING:** Maintenance MUST be performed ONLY by qualified personnel.

**⚠ WARNING:** Ensure proper resident lift operation by performing regular maintenance. DO NOT overtighten hardware. Product damage may occur.

**⚠ WARNING:** After the first six months of operation, inspect all pivot points and fasteners for wear. If the metal is worn, the parts MUST be replaced. Inspect these parts every six months thereafter.

**⚠ WARNING:** After the first year of use, inspect the hooks of the cradle/hanger bar and the boom mounting brackets every three months. Replace worn out parts as necessary. Inspect these parts every six months thereafter.

**⚠ WARNING:** Casters and axle bolts must be inspected every six months to check for tightness and wear. NEVER use a resident lift if you suspect any portion of it is damaged or worn.

## Electrical & Grounding

**⚠ WARNING:** GROUNDING INSTRUCTIONS

The included battery charger should always be properly grounded to ensure resident and assistant safety. For this reason, this device is equipped with a three-prong grounding plug to prevent possible shock hazards.

**⚠ WARNING:** Avoid personal injury by making sure power is disconnected before conducting any electrical inspection. Contact your distributor if any electrical problem is detected.

**⚠ WARNING:** DO NOT alter, cut or remove the round grounding prong from this product. If a two-prong wall receptacle is encountered, it is the customer's responsibility to have the receptacle replaced by a qualified electrician with a properly grounded three-prong wall receptacle in accordance with the National Electrical Code and all local codes. If you must use an extension cord, use ONLY a three-wire extension cord having the same or higher electrical rating as the device being connected, and verify the extension cord is permitted in your community.

**⚠ WARNING:** DO NOT remove warning tags located on your device. Carefully read battery/battery charger information prior to installing, servicing or operating your resident lift

## Disposal

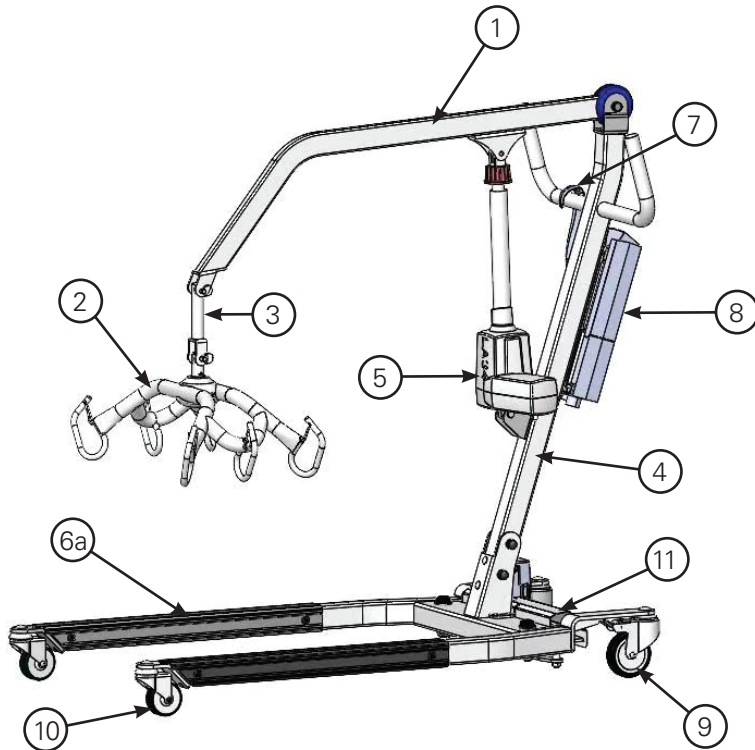
**⚠ WARNING:** This device contains lead acid batteries. DO NOT dispose of batteries in normal household waste. They MUST be taken to a proper disposal site. Contact your local waste management company for information. This product may contain substances that could be harmful to the environment if disposed of in places (landfills) that are not appropriate according to legislation.

## Radio Frequency Interference

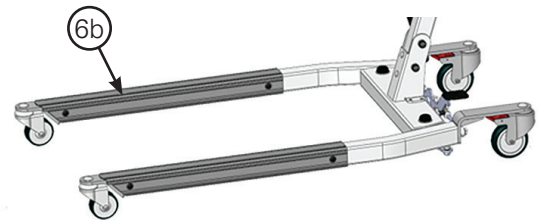
**⚠ WARNING:** Most electronic equipment is influenced by Radio Frequency Interference (RFI). CAUTION should be exercised with regard to the use of portable communication equipment in the area around such equipment. If RFI causes erratic behavior, PUSH the red power switch OFF IMMEDIATELY. DO NOT turn the power switch ON while transmission is in progress.

# Assembly

## Parts Identification



1	Boom
2	Cradle/Spreader Bar
3	Extension Bar
4	Mast
5	Lifting Actuator
6a	Base with Powered Width Adjustment
6b	Base with Manual Width Adjustment
7	Hand Pendant
8	Battery/Control Box
9	Caster with Lock
10	Front Caster
11	Leg Actuator (Powered Base Only)



## Unpacking

**⚠ WARNING:** The lift components are heavy. DO NOT attempt to remove lift from shipping carton without assistance. Injury may occur.

Carefully unpack the components from the shipping carton:

Component	Quantity
Base	1
Mast	1
Boom	1
6-Point Cradle/Hanger Bar	1
Extension Bar	1
Lifting Actuator	1
Control Box	1
Battery	1
Hand Pendant	1
Hardware:	
Carriage Bolts, $\frac{3}{8}$ " x $2\frac{3}{4}$ " ( $\frac{3}{8}$ " x 70mm)	2
Hex-Head Bolts, M10 x 75mm L	2
Hex-Head Bolt, M10 x 50mm L	1
Nylon-Insert Lock Nuts, M10x1.5	5
Washers, M10	8
Black Plastic Hex Caps, M10	8
Clevis Pins + Key Rings	4
Socket Head Screw for Control Box	1
Charging Cable for Control Box	1
Optional Battery Charging Stand + Power Cord	1

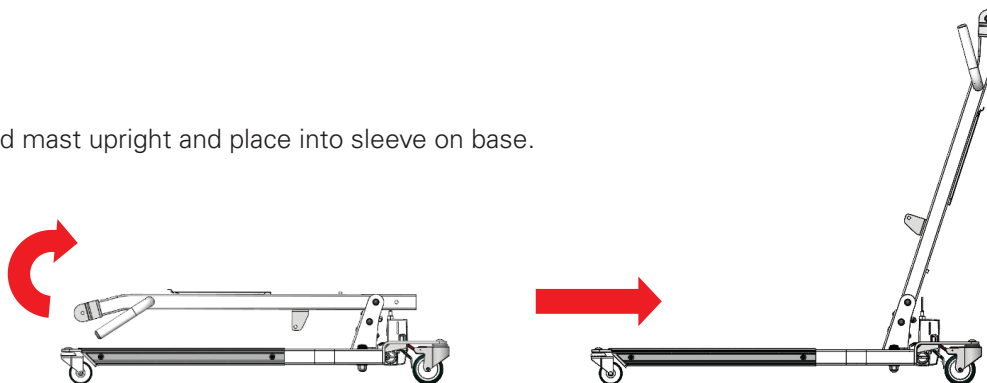


## Instructions

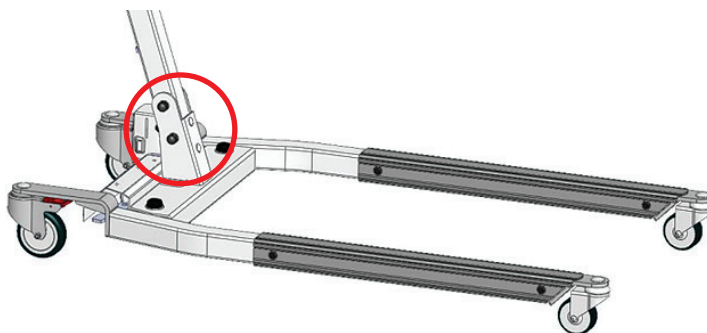
### Tools Required:

17mm Wrenches  
#2 Philips Screwdriver  
3mm Allen Wrench

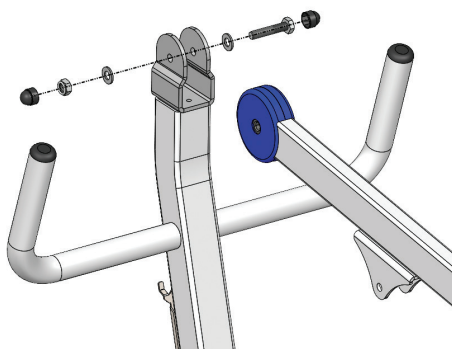
1. Stand mast upright and place into sleeve on base.



2. Attach the mast to the base:
  - a. Align holes at bottom of mast with holes in sleeve on base (2 left-to-right, 2 front-to-rear).
  - b. Connect the mast to the base with the 8cm carriage bolts (x2), 8cm hex-head bolts (x2), washers (x8), and lock nuts (x4).
  - c. Tighten using 17mm wrenches.
  - d. Ensure the bolts are secure and there is no movement between the mast and base.
  - e. Place the black caps (x6) over the bolt heads and nuts.

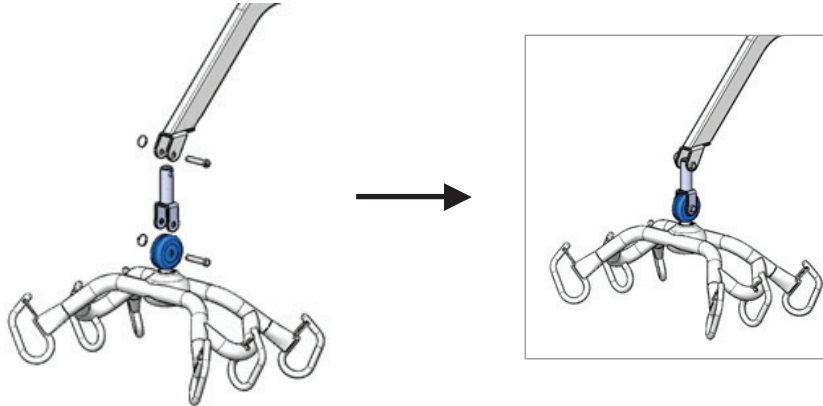


3. Attach the boom to the top of the mast:
  - a. Align the hole on the lifting arms with the mounting bracket at the top of the mast.
  - b. Connect the lifting arms to the mast with the 6cm hex-head bolt (x1), washers (x2) and lock nut (x1).
  - c. Tighten using a 17mm wrench. Do not overtighten so that the lift arms cannot rotate at the connection point.
  - d. Place the black caps (x2) over the bolt head and nut.

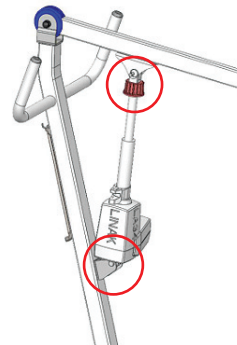


## Assembly *(cont.)*

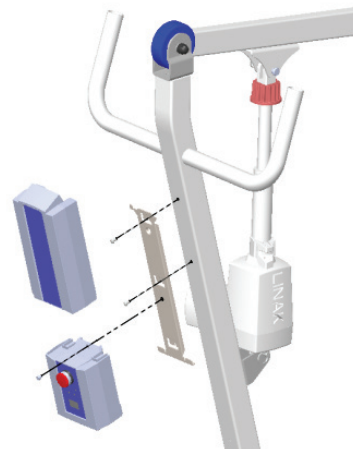
4. Attach the extension bar and cradle/spreader bar to end of boom:
  - a. Detach the key rings from the two clevis pins.
  - b. Align the hole on the extension bar with the mounting bracket at the end of the boom.
  - c. Insert pin and reattach key ring.
  - d. Align the hole on the spreader bar with the mounting bracket at the end of the extension bar.
  - e. Insert pin and reattach key ring.



5. Attach the lifting actuator to the mounting brackets on the mast and boom:
  - a. Detach the key rings from the clevis pins.
  - b. Align the actuator so that the actuator warning label is facing toward the user in the sling and the mounting holes at the top and bottom line up with the holes on the mounting brackets.
  - c. Insert pins and reattach key rings.



6. Mount the control box to the mast:
  - a. Hang the control box mounting bracket on the two screws on the rear face of the mast.
  - b. Use a #2 Phillips screwdriver to tighten the screws.
  - c. Attach the control box to the mounting bracket using the socket-head screw and tighten using a 3mm Allen wrench.



7. Connect cables from the hand pendant and actuators to the ports on the bottom of the control box as in the figure below.
- **1** = Hand Pendant
  - **2** = Lifting Actuator
  - **3** = Base Legs Actuator (only for Powered Base Floor Lift)



8. The power/emergency stop button on the control box is compressed in the “Off” position. Release the power button by twisting clockwise. This will turn on the control box. Verify the power indicator light is on.
9. Install the battery onto the lift. Place the base of the battery on top of the control box. Push the top lever onto the top edge of the control mounting bracket. Listen for an audible click.
10. Inspect the battery charge level on the control box display. Solid bars on the display indicate battery charge level (0-100%). Ensure the battery has capacity for operation.
11. Test all actuator functions on the hand pendant and inspect all assemblies for proper operation. Ensure all bolts are screwed tightly.
12. The lift is ready for use. Read this entire manual. Contact your distributor if you have any questions regarding the proper assembly or use of this device.

# Operation











**⚠ WARNING:** Do not attempt to transfer the resident without prior approval from a medical professional. Do not install, assemble or operate this equipment without first reading and understanding the instruction manual and observing trained specialists perform a lift.

**⚠ WARNING:** When lifting a resident, the legs of the lift must be in the maximum open position for stability and safety. If it becomes necessary to maneuver the lift through a narrow space, only close the legs of the lift enough to facilitate movement. When more space is available, return the legs to the maximum open position.

**⚠ CAUTION:** More than one assistant is recommended for all resident lift activities.

## Hand Pendant Controls



<b>Raise/Lower Lift</b> 	Press and hold Up arrow to raise lift		
	Press and hold Down arrow to lower lift		
<b>Open/Close Base Legs (Powered Base Only)</b> 	Press and hold to open base legs		
	Press and hold to close base legs		

## Raising/Lowering the Boom

**⚠ WARNING:** When lifting a resident, DO NOT lock the rear casters. Doing so could cause the lift to tip and could injure the resident or assistants. The rear casters should be left unlocked during lifting to allow the resident lift to stabilize itself when the resident is initially lifted from a chair, bed or any stationary object.

- Press and hold the Up arrow on the hand pendant to raise the boom and resident.
- Press and hold the Down arrow on the hand pendant to lower the boom and resident.

## Opening/Closing the Legs

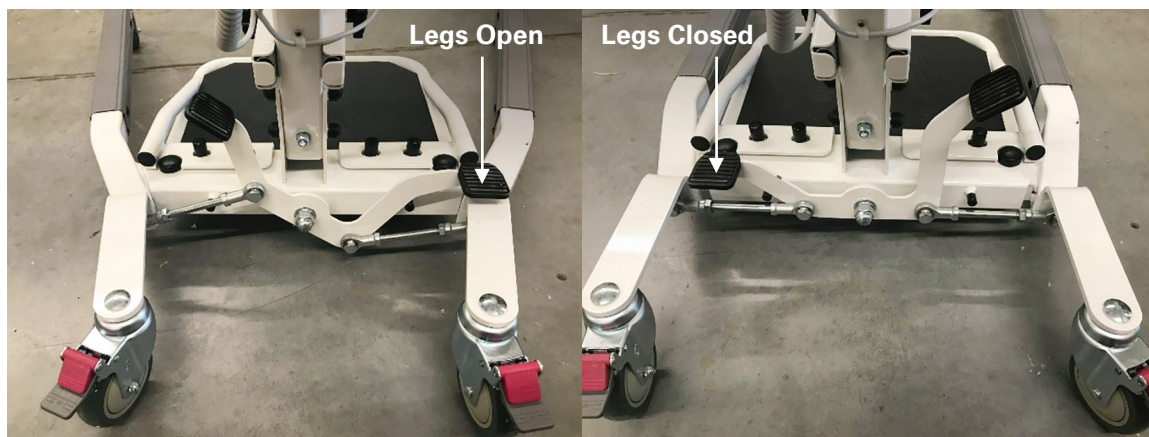
**⚠ WARNING:** For optimal stability, operate this lift with the base legs in the open position when lifting and lowering the resident.

### Lift with Powered Base Adjustment:

- Ensure the rear casters are unlocked.
- Press and hold the Leg Open button on the hand pendant to open the legs on the base.
- Press and hold the Leg Close button on the hand pendant to open the legs on the base.

### Lift with Manual Base Adjustment:

- Ensure the rear casters are unlocked.
- To open the legs, depress the right foot pedal. Hold onto the push handle for stability.
- To close the legs, depress the left foot pedal. Hold onto the push handle for stability.



# Operation *(cont.)*

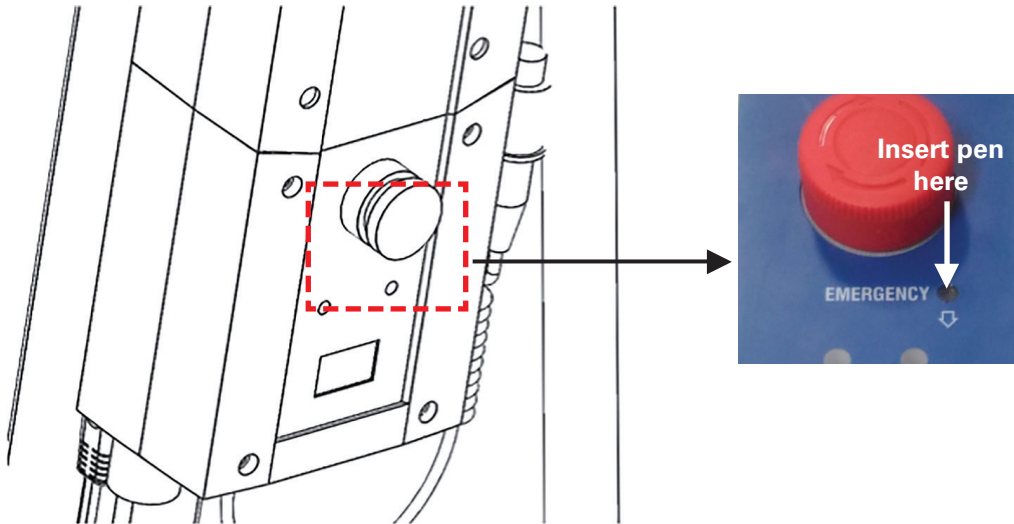
## Emergency Release

Always use extreme caution when operating an emergency release.

### Primary Emergency Release

To activate the primary emergency release, insert a pen into the hole labeled “EMERGENCY” on the control box of the lift and push down on the boom at the same time.

This product’s lift actuator is equipped with a mechanical emergency release, which enables retraction without electrical power. The actuator will only retract when the emergency release lever is pulled **while under load**. Locate the emergency release red-colored grip lever.



### Secondary Emergency Release

**⚠ CAUTION:** The secondary emergency release is only a backup if the primary emergency release fails. Use the primary release first.

If the primary release fails to function correctly or is out of reach, the secondary emergency release may be used.

To activate the secondary release, pull up on the red-colored emergency release lever to its maximum position, about 11 mm, or when the red-colored lever can't be pulled up any further, and push down on the boom at the same time. Continue to lift the red emergency release lever to its maximum position, and push down on the boom until the boom has been fully lowered.



## Emergency Stop

To stop the boom from raising or lowering, press the red emergency button on the control box.

To disengage the emergency stop, rotate the red emergency stop button clockwise.



## Charging the Battery

**NOTE:** To prolong battery life, the battery should be recharged daily.

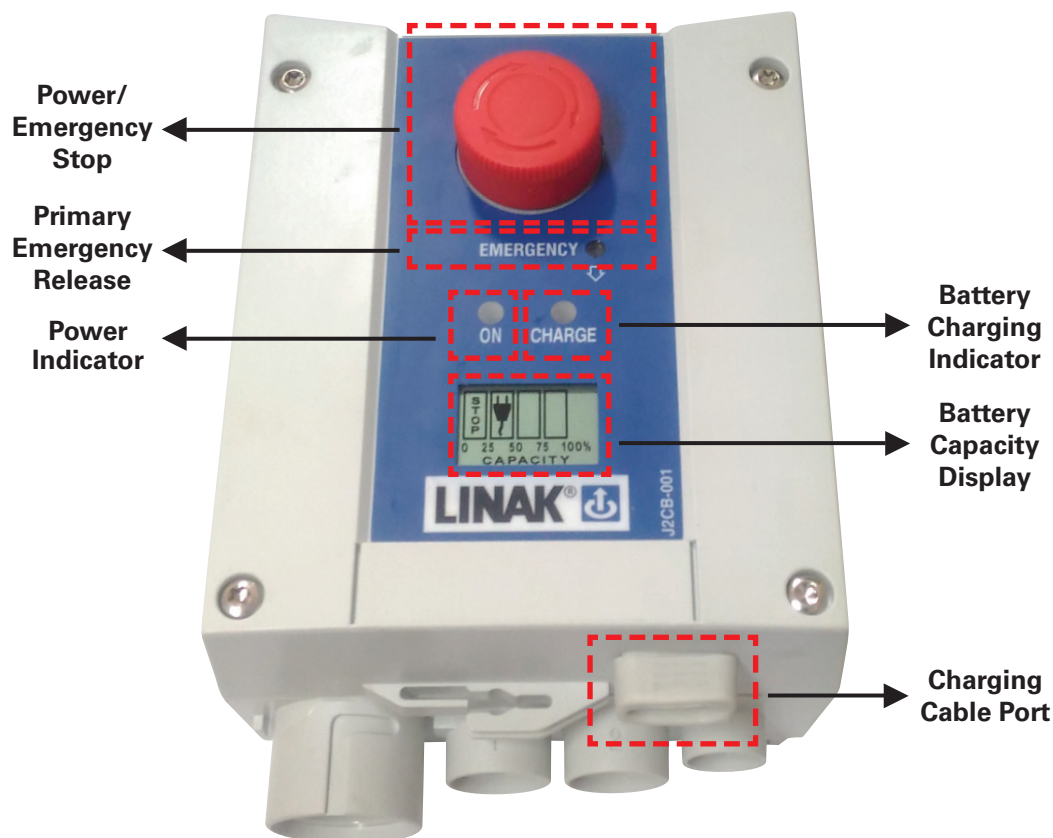
The battery can be charged via the control box:

- With the battery on the lift, plug the AC charging cable into the charging port on the bottom of the control box.
- Plug the other end of the cable into the electrical wall outlet (120 V).
- Verify the CHARGE light is illuminated.
- When all 4 bars on the battery capacity display has solid fill, the battery is charged to 100%. Unplug the AC charging cable from the wall outlet.

**NOTE:** The lift cannot be operated while the battery is charging via this method.

The battery can also be charged via the separate charging stand:

- Lift the handle on the back of the battery. Lift the battery up and away from the control box.
- Place the charging stand on a flat surface near an electrical wall outlet.
- Plug the AC charging cable from the charging stand into the electrical wall outlet. Verify the ON light is illuminated.
- Set the battery on top of the charging stand. Verify the CHARGE light is illuminated.
- When charging is complete, the CHARGE light will turn off. The battery is now ready for use. It takes approximately 4 hours for a battery to fully recharge.



# Lifting the Resident

**NOTE:** Prior to first use, please make sure the battery has been charged for 24 hours in order to reach proper function and prolong the battery life.

More than one assistant is recommended for all resident lift activities.

## Positioning the Resident Lift

Refer to the Safety Warnings & Cautions section in this manual before proceeding further and observe all warnings indicated. Before positioning the legs of the resident lift under a bed, make sure the area is clear of any obstructions.

**⚠ WARNING:** When lifting and lowering a resident, the legs of the lift must be in the maximum open position for stability and safety. To facilitate movement of the lift during lift positioning and resident transfers, the legs may in the open or closed position. Maximum open position is recommended for optimal stability.

- a) Depress the right foot pedal (for manual base lift) or press and hold the open legs button on the hand pendant (for powered base lift) to open the legs of the resident lift to maximum width.
- b) Use the steering handles to position the resident lift.
- c) To lower the boom for easy attachment of the sling, press the DOWN arrow button on the hand pendant.

## Attaching a Sling

- a) Place the straps of the sling over the hooks of the cradle/hanger bar. Ensure the straps are contained within the hooks by the spring-loaded clips.
- b) Match the corresponding colors on each side of the sling so the sling is attached evenly.
- c) Use the lift to move the resident. Refer to Lifting/Moving the Resident section.
- d) The lift cradle/hanger bars have three hookup points per side. The middle hookup is ONLY used for slings that have three sets of straps per side.

## Lifting/Moving the Resident

- a) Position the sling under the resident and place the resident's arms inside the sling.
- b) Press the UP arrow on the hand pendant to raise the resident high enough to clear the surface of the bed. The resident's weight will be fully supported by the resident lift.
- c) When the resident is clear of the bed surface, swing the resident's feet off the bed.
- d) Use the steering handles to move the resident lift away from the bed.
- e) When moving the resident lift away from the bed, turn the resident so he or she faces the assistant operating the resident lift.
- f) Press the DOWN arrow on the hand pendant to lower the resident until his or her legs straddle the mast and his or her feet rest on the base of the resident lift.
- g) Pull the resident lift away from the bed and then push the lift from the rear side of the mast with both hands firmly on the steering handles.



**⚠ WARNING:** DO NOT exceed the maximum weight capacity of 500 lbs.

**⚠ WARNING:** Do not attempt to transfer the resident without prior approval from a medical professional.

**⚠ WARNING:** Only slings and accessories verified for use with Direct Supply resident lifts should be used. Use of other manufacturers' components or accessories may compromise the operation of this resident lift.

**⚠ WARNING:** When lifting a resident, DO NOT lock the rear casters. Doing so could cause the lift to tip and could injure the resident or assistants.

**⚠ WARNING:** When lifting or lowering a resident, the legs of the lift must be in the maximum open position for optimal stability and safety.

**⚠ WARNING:** Perform resident transfers with the lift base legs in the maximum open position for optimal stability. If it becomes necessary to transfer a resident through a narrow space, only close the legs of the lift enough to facilitate movement. When more space is available, return the legs to the maximum open position.

**⚠ WARNING:** After elevating the resident a few inches above a stationary object, ensure the sling and all attachments are secure and properly connected. If any attachments are not correct, lower the resident back onto the stationary object and correct this problem. Otherwise, damage or injury could occur. Adjustments for safety and comfort should be made before moving the resident. The resident's arms should be inside the straps.

**⚠ WARNING:** Be sure to check the sling attachments each time the sling is removed and replaced to ensure it is properly attached before the resident is removed from a bed or chair. Slings with commode openings are designed to be used with either a commode chair or standard commode.

**⚠ CAUTION:** Direct Supply recommends the sling remain connected to the cradle/hanger bar hooks during the resident's use of either the commode chair or standard commode.

# Transferring the Resident

**⚠ WARNING:** Do not attempt to transfer the resident without prior approval from a medical professional.

## Transferring to a Commode Chair

- a) Lift the resident from the bed. Refer to Lifting/Moving the Resident section.
- b) Press the UP arrow on the hand pendant to lift the resident high enough to clear the arms of the commode chair. Their weight will be supported by the resident lift.
- c) Guide the resident onto the commode chair. This may require two assistants.
- d) Press the DOWN arrow on the hand pendant to lower the resident onto the commode chair, leaving the sling attached to the cradle/hanger bar hooks.
- e) When complete, recheck the sling for correct attachments.
- f) Press the UP arrow on the hand pendant to raise the resident off the commode chair.
- g) When the resident is clear of the commode surface, use the steering handles to move the resident lift away from the commode chair.
- h) To return the resident to bed, reverse the steps in Lifting the Resident section.
- i) To return or place the resident in a wheelchair, refer to Transferring to a Wheelchair section.

## Transferring to a Standard Commode

**⚠ WARNING:** This lift is NOT intended to transport a resident. It is intended only to transfer the resident from one surface to another, such as from a bed to a commode. Injury or damage may occur if not used as intended.

If the bathroom facilities are NOT near the bed or if the resident lift cannot be easily maneuvered towards the commode, the resident MUST be transferred to a wheelchair and transported to the bathroom facilities before using the resident lift again to position the resident on a standard commode. Refer to Transferring to a Wheelchair section.

- a) To ensure the resident lift can maneuver around the commode, use an empty resident lift to confirm maneuverability.
- b) Once confirmed the resident lift can maneuver around the commode, lift the resident from the bed. Refer to Lifting the Resident section.
- c) To elevate the resident high enough to clear the commode, press the UP/DOWN arrows on the hand pendant. The resident's weight will be supported by the resident lift.
- d) Carefully guide the resident onto the commode. This may require two assistants.
- e) Press the DOWN arrow on the hand pendant to lower the resident onto the standard commode leaving the sling attached to the cradle/hanger bar hooks.
- f) When complete, recheck the sling for correct attachments.
- g) Press the UP arrow on the hand pendant to raise the resident off the commode.
- h) When resident is clear of the commode surface, use the steering handle to move the lift away from the commode.
- i) To return the resident to bed, reverse the steps in Lifting/Moving the Resident section.
- j) To return or place resident in a wheelchair, refer to the Transferring to a Wheelchair section.

## Transferring to a Bathing Unit

- a) Lift the resident from the bed. Refer to Lifting/Moving the Resident section.
- b) To elevate the resident high enough to clear the portable bath tub, press the UP/DOWN arrows on the hand pendant.
- c) Slide the portable bath tub under the resident.
- d) Press the boom down arrow to lower the resident into the portable bath tub.
- e) Detach the sling from the cradle/hanger bar hooks.
- f) Attach the portable bath tub straps to the resident lift.
- g) Press the UP arrow on the hand pendant to raise the sides of the portable bath tub.
- h) Bathe the resident.
- i) Reverse this procedure to return the resident to bed.

## Transferring to a Wheelchair

**⚠ WARNING:** DO NOT place the resident in the wheelchair if the locks are not engaged. Before lowering the resident into the wheelchair, the wheelchair wheel locks **MUST** be in a locked position. Otherwise, injury can occur.

- a) Lift the resident from the bed. Refer to Lifting/Moving the Resident section.
- b) Ensure the legs of the lift with resident in the sling are in the maximum open position.
- c) Move the wheelchair into position.
- d) To prevent movement of the wheelchair, engage the rear wheel locks.
- e) For proper positioning, guide the resident's hips as far back as possible into the seat by using the straps or handles on the side and the back of the sling.
- f) Position the resident over the seat with their back against the chair back.
- g) Begin to lower the resident by pressing the DOWN arrow on the hand pendant.
- h) Two assistants are recommended for this step – one assistant stands behind the chair and the other operates the resident lift. The assistant behind the chair pulls back on the grab handle on the sling (on select models) or pulls back on the sides of the sling to seat the resident against the wheelchair back. This will help maintain a good center of balance. Take care to prevent the chair from tipping forward.
- i) Leave the sling in place unless a divided leg sling was used. Remove a divided leg sling.
- j) Reverse Lifting the Resident section to return to the seating surface of the wheelchair.

# Troubleshooting

Problem	Possible Cause	Corrective Action
Cannot lift patient up and battery indicator light is off.	Battery not connected to control box. The fuse has blown. Control box defective.	Charge the battery. Reconnect battery to control box. Replace fuse, if the system is prepared for external fuse replacement, or send the system to repair. Replace control box.
Power indicator lights up and battery shows charge, but lift actuator does not run.	Hand pendant connection to control box is loose. Lift actuator connection to control box is loose. Control box defective. Hand pendant defective.	Check connection between hand pendant and control box Check connection between lift actuator and control box Replace control box. Replace hand pendant.
Power indicator lights up and battery shows charge, but base legs will not open/close (powered base only)	Hand pendant connection to control box is loose. Leg actuator connection to control box is loose. Control box defective. Hand pendant defective.	Check connection between hand pendant and control box Check connection between leg actuator and control box Replace control box. Replace hand pendant.
Power indicator lights up, but actuator does not run. Relays in control box are heard clicking.	Actuator plug not pushed into control box properly. Actuator defective. Control box defective.	Push actuator plug into control box securely. Replace actuator. Replace control box.
No relay noise is heard from control box.	Handset plug not properly connected. Emergency stop engaged.	Check all cord connections. Deactivate emergency stop.
Control box will not turn on with battery installed and no relay clicking is heard.	Battery completely discharged. Battery defective.	Charge battery. Replace battery.
Control box working in one direction on one channel.	Handset defective. Control box defective.	Replace hand control. Replace control box.
Noisy or grinding sound from pivot locations.	Loss of lubrication.	Lubricate using light oil.
Boom/lift arm will not lower from uppermost position.	Boom/lift arm requires a minimum weight load to lower from the uppermost height position.	Pull down slightly on the boom/ lifting arm to lower.
Boom/lift arm will not lower when mechanical emergency release lever is actuated.	Boom/lift arm requires a minimum 200 lb. weight load to lower from the uppermost height position when emergency release is activated.	Pull down with full weight on the boom/lift arm to lower.
Charge light not on while battery is charging via the control box	Emergency stop engaged. Charging cable connection to control box is loose. Charging cable or plug is damaged.	Deactivate emergency stop. Check charging cable connection to control box. Replace charging cable.

# Maintenance

## Safety Inspection Checklist

To keep your resident lift in service, follow the maintenance procedures in this manual.

Inspect the resident lift before each use. Check all bolts for tightness. Make sure the base legs can be widened and that all components are functioning properly. Check that all casters turn freely and that the caster brakes can be engaged. Check battery capacity.

Monthly, the lift should be thoroughly inspected by a person qualified to recognize any signs of wear and looseness of bolts or parts. Regular cleaning is essential to smooth operation and extending the life of the resident lift. Casters and brakes should be cleaned and lubricated, and the axle and swivel bolts should be checked for tightness. Remove all debris from the wheel and swivel bearings. Replace worn parts immediately. Do not use the lift if you suspect any component is damaged or worn.

### Inspection Schedule:

Item	Initially	Monthly
<b>Base</b>		
Inspect for missing hardware	X	X
Base opens/closes with ease	X	X
Inspect casters and axle bolts for tightness	X	X
Inspect casters for smooth swivel and roll	X	X
Inspect and clear wheels of debris	X	X
Inspect pivot joints for wear	X	X
<b>Mast</b>		
Mast MUST be securely assembled to boom	X	X
Inspect for bends or deflections	X	X
Inspect pivot joints for wear	X	X
<b>Boom</b>		
Check all hardware and hanger bar supports	X	X
Inspect for bends or deflections	X	X
Inspect bolted joints of boom for wear	X	X
Inspect to ensure the boom is centered between the base legs	X	X
Check the mast pivot bolt; ensure it is tightly secured	X	X
Inspect pivot joints for wear	X	X
<b>Cradle/Hanger Bar</b>		
Check the bolt/hooks for wear or damage	X	X
Check sling hooks for wear or deflection	X	X
Inspect pivot joints for wear	X	X
<b>Actuator Assembly</b>		
Inspect actuator hardware on mast, boom and base	X	X
Check for wear or deterioration (IF DAMAGED, CONTACT DISTRIBUTOR)	X	X
Cycle to ensure smooth, quiet operation	X	X
Check that the control box is firmly affixed to the mast	X	X
<b>Slings &amp; Hardware</b>		
CHECK ALL SLING ATTACHMENTS during each use to ensure proper connection and resident safety	X	X
Inspect sling material for wear	X	X
Inspect straps for wear	X	X
<b>Cleaning</b>		
As needed	X	X

# Maintenance *(cont.)*

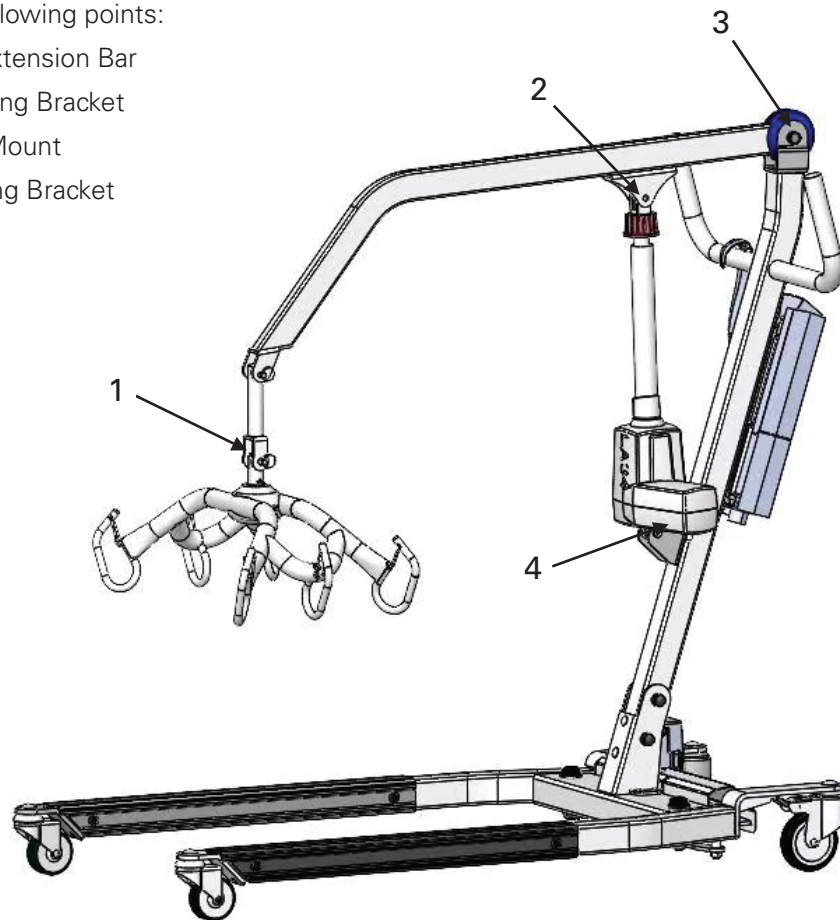
## Lift Lubrication

The resident lift should be checked and lubricated every six months to ensure safety and reliability. Keep all components clean and in good working order. **DO NOT USE** and contact your distributor immediately if you suspect your lift is damaged in any way.

The casters **MUST** swivel and roll smoothly. Light grease may be applied to the ball-bearing swivel of the casters once a year. Apply more frequently if the casters are exposed to humid conditions. Lubricate all pivot points. Remove excess lubricant from lift surface.

Lubricate the following points:

1. Hanger Bar/Extension Bar
2. Boom Mounting Bracket
3. Boom/Mast Mount
4. Mast Mounting Bracket



## Detecting Wear & Damage

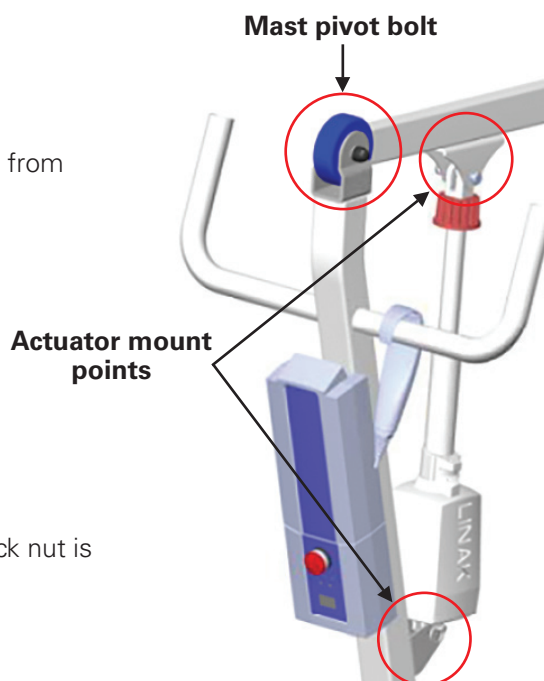
Inspect slings, cradle/hanger bar and any pivot for slings prior to each use for signs of deterioration, such as cracking or fraying. Replace worn parts immediately, and ensure the lift is not used until repairs are made.

## Cleaning the Sling & Lift

The sling should be cleaned regularly in water (do not exceed 180°F (82°C)) and a biocidal (antibiological) solution. DO NOT use bleach when laundering the slings. Please refer to the sling manual and/or product label for correct washing instructions. Clean the resident lift with a damp, soft cloth and a small amount of mild detergent. Clean the lift with nonabrasive cleaners.

## Boom Actuator Replacement

- Remove key ring from the pin at the actuator/boom mounting bracket.
- Rest the boom on your shoulder and remove the pin from the boom mounting bracket.
- Remove the key ring and pin from the actuator/mast mounting bracket.
- Remove the actuator.
- Reverse steps for installation.



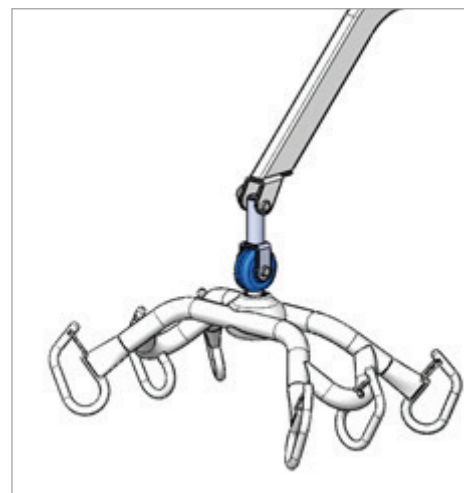
## Mast Pivot Bolt

- Check that the bolt is through the bracket and the lock nut is tight and secure.
- If needed, do one or more of the following:  
Tighten lock nut, then reverse the locknut 1/8 of a turn.  
Replace the lock nut.

## Cradle/Hanger Bar Replacement

**⚠ WARNING:** After the first year of use, inspect the hooks of the cradle/hanger bar and the boom mounting brackets every three months. Replace worn out part as necessary.

- The cradle/hanger bar and extension bar are attached to the boom with pins and key rings.
- Remove existing hardware and replace the hanger bar.





# Maintenance *(cont.)*

## Base Leg Adjustment (For Manual Base Lift)

- When in the closed position, check that the legs are square.
- To determine 90-degree alignment, place a square on the inside of the legs and base.
- Adjust the length of the linkage rods until 90-degree alignment is achieved.

## Caster Replacement

**⚠ WARNING:** Ensure the floor is clear of debris before turning the resident lift on its side. Otherwise, damage or injury could occur.

- Place the lift on its side.
- To replace the caster wheel only:
  - Remove the lock nut using a 13mm wrench. Remove the axle bolt.
  - Replace with the new caster wheel.
  - Replace the axle bolt. Tighten the lock nut using the 13mm wrench.
- To replace the whole caster assembly:
  - Remove the lock nut on the underside of the swivel mount using a 19mm wrench.
  - Remove the caster swivel mount bolt.
  - Replace with the new caster swivel assembly.
  - Replace the swivel mount bolt. Tighten the lock nut using a 19mm wrench.





# Technical Specifications

## Resident Floor Lift

Weight Capacity	500 lbs.
Base Length	50"
External Width, Base Closed	26"
External Width, Base Open	43"
Mast Height	48.5"
Base Height (Clearance)	4.75"
Minimum Lifting Height	18.75"
Maximum Lifting Height	62.25"
Boom Length	41.5"
Caster Size (FRONT)	3.0"
Caster Size (REAR)	4.0"
Product Weight	119 lbs.
Battery	24V DC, 1 x 2.9 Ah
Charger Input	100 - 240V AC
Charger Output/Charging Time	29.5V DC Max. 6 hours
Duty Cycle	10%: 2 min./18 min.
Emergency Stop Button	Yes

# Limited Warranty

We offer to you, as the original purchaser, a warranty for the Panacea® Atlas Floor Lift. Our warranty applies for the limited warranty period stated below. If any device or device part listed below is defective in material or workmanship during the applicable limited warranty period, we will repair or replace it at our cost. Please note that the decision to repair or replace a device or device part will be at our discretion. Our warranty applies only if the device is properly maintained by the original purchaser for normal, indoor use and does not cover normal wear and tear, modification of the device, or damage caused by abuse, improper use, failure to maintain, use which exceeds the published device limitations, or the combination of any device with another product. In addition, our warranty does not cover fading, colorfastness, stains, spills or exposure to chemicals, odors, heat or light. In certain cases, we may provide you repair or adjustment instructions and/or replacement parts and ask you to perform a repair or adjustment or replace a defective part.

Our warranty gives you specific legal rights, and you may also have other rights, which vary from state to state. Please note that our limited warranty period begins when we ship the device to you. The limited warranty period and our obligations under the warranty end once you transfer the device to someone else or at the end of the applicable limited warranty period identified below, whichever is earlier.

<b>Device</b>	<b>Warranty Period (Parts)</b>	<b>Anticipated Usable Product Life</b>
Panacea® Atlas Floor Lift	Frame, Welds – 5 years	5 years
	Electrical Components – 3 years	3 years
	Battery – 9 months	9 months

Anticipated Usable Product Life is based on normal use with proper maintenance, cleaning and storage. You should still inspect, monitor and care for the product as described in this guide, as the product may need to be replaced sooner than anticipated in particular situations.

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# Customer Service

If you have any questions about the Panacea® Atlas Floor Lift you have purchased or would like to request warranty service, please contact your distributor.



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*APTURA / EQUIPMENT & FURNISHINGS / DSSI / TELS*

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