



Direct Supply®
ATLAS
SIT-TO-STAND
LIFT

Owner's Manual

Please keep and refer to this Owner's Manual.

Thank you for purchasing a Direct Supply® Atlas Sit-to-Stand 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 your housekeeping, nursing and maintenance staff to help ensure the lift is cared for properly.

Introduction3
Important Safeguards3
Definitions & Symbols3

Safety.....4 - 7
Operating Guidelines4
Positioning & Pinch Points4
Lift Assembly5
Lift Operation.....5
Using the Sling5
Lifting the Resident6
Transferring the Resident.....6
Performing Maintenance6
Electrical & Grounding7
Disposal.....7
Radio Frequency Interference.....7

Product Labeling.....8

Assembly.....9 - 13
Unpacking9
Assembly Instructions9 - 12
Mounting the Battery Charger.....13

Operation 14 - 17
Hand Control Buttons14
Raising/Lowering the Boom14
Opening/Closing the Legs14
Activating a Mechanical Emergency Release15
Performing an Emergency Stop.....16
Charging the Battery.....16 - 17

Lifting The Resident.....18 - 21
Positioning the Sit-to-Stand Resident Lift18
Attaching a Sling19
Lifting/Moving the Resident19 - 21

Transferring the Resident22 - 23
Transferring to a Commode Chair.....22
Transferring to a Wheelchair22
Transferring to a Bed.....23

Troubleshooting.....24

Maintenance25 - 28
Safety Inspection Checklist25
Lift Lubrication25
Detecting Wear & Damage.....26
Cleaning the Sling & Lift26
Replacing the Boom Actuator.....26
Checking & Tightening Mast Pivot Bolt.....26
Replacing Boom/Lift Arm.....27
Adjusting Knee Pad Height.....27
Base Adjustment28
Caster Replacement28

Technical Data29

Limited Warranty30

Customer Service31

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 these terms:

⚠ WARNING: This device is intended for indoor use under the supervision of licensed healthcare professionals. Use this device only as instructed. 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.

DEVICE: Atlas Sit-to-Stand Lift.

YOU and YOUR: The facility, community or other entity that has purchased the device.

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

⚠ Attention. Read the instructions.

Safety

⚠ 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 could 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. Contact the provider for guidance.

Operating Guidelines

⚠ 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.

⚠ WARNING: Do not attempt to transfer a resident without prior approval from 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: People with disabilities must be watched closely when lifted.

⚠ CAUTION: Only slings and accessories specifically designed 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.

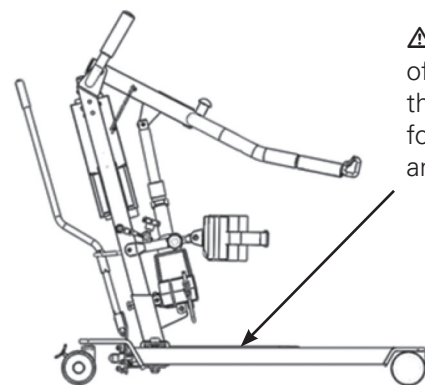
⚠ WARNING: If the resident lift becomes wet or exposed to extreme temperature or humidity prior to use, ensure handgrips do not twist on resident lift handle. Damage or injury could occur.

Positioning & Pinch Points

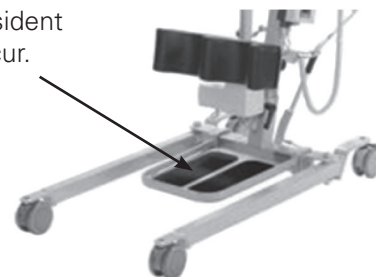
⚠ WARNING: A pinch point is a place where it's possible for a body part to be caught either between moving mechanical parts or between moving and stationary parts of the product. Pinch points exist on this product between the mast and boom connect. When operating the lift, be aware of the pinch points. Injury could occur.

These instructions are a basic guide for how to use the Atlas Sit-to-Stand Lift and is not a substitute for having the lift being operated by a trained professional. Residents using this lift must be able to support at least 60% of their own weight and have head and neck control. The resident should be able to bend at the hips, knees and ankles.

⚠ WARNING: Always be aware of the location of the lift arm – injury to the resident and/or the caregiver/assistant may occur.



⚠ WARNING: always be aware of the footrest, especially the resident's position on the footrest. Injury to the resident and/or assistant may occur.



Lift Assembly

⚠ WARNING: DO NOT overtighten mounting hardware. This will damage mounting brackets.

Lift Operation

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

⚠ WARNING: The lift must be used by a caregiver with proper training to work with the person being transferred.

⚠ 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 handle 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 400 lb. maximum weight limitation.

⚠ WARNING: Keep clear of moving parts to avoid injury.

Using the Sling

⚠ WARNING: For proper comfort and safety, use only a sling made for 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 wheel locks to prevent the 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 and can be used to help place the resident in various positions. The colors make it easier for you to connect both sides of the sling equally. Always ensure the resident's head is properly supported during lifts.

Safety *(cont.)*

Lifting the Resident

⚠ **WARNING:** Before lifting the resident, ensure legs on adjustable base lift are in the full open/locked 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 properly in place, lower the resident back onto the stationary object and correct this problem. Adjustments for safety and comfort should be made before moving the resident. Be sure 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. The warranty will be voided.

⚠ **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. Use steering handle on the mast at all times 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 lifts 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 a stationary object, ensure the sling and all attachments are secure and properly connected. If any attachments are not properly in place, lower the resident back onto the stationary object and correct this problem.

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

⚠ **WARNING:** Before transferring, ensure the resident's weight does not exceed the 400 lb. weight capacity of the resident lift. In addition, ensure the legs of the lift are in the maximum open position for ideal safety and stability. If it is necessary to maneuver through a narrow opening, close the legs of the lift for only the time it takes to move through it, and open again to maximum open position.

⚠ **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 resident lift nuts, bolts 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. After the first 12 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:** Casters and axle bolts must be inspected every six months to check for tightness and wear.

⚠ **WARNING:** Never use a lift if you suspect any portion of it is damaged or worn.

Electrical & Grounding

Grounding Instructions

⚠ **WARNING:** 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:** DO NOT alter, cut or remove the round grounding prong from this product. If a two-prong wall receptacle is encountered, the receptacle must be 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:** Red warning tags are located on the device. DO NOT remove these tags. Carefully read battery and battery charger information prior to installing, servicing or operating your resident lift.

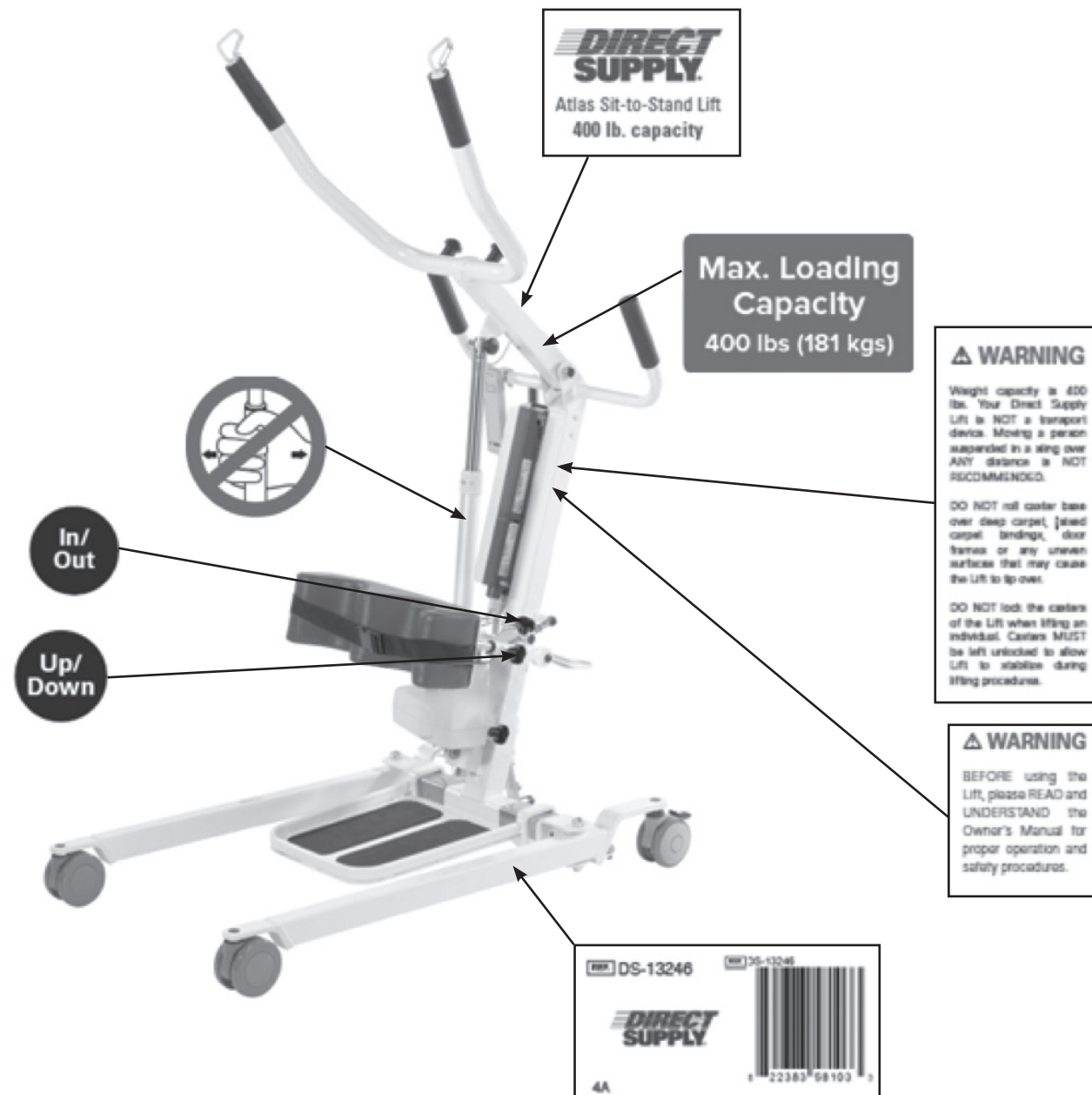
Disposal

⚠ **WARNING:** This product has been supplied from an environmentally aware manufacturer that complies with the Waste Electrical and Electronic Equipment (WEEE) Directive 2002/96/CE.

⚠ **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.



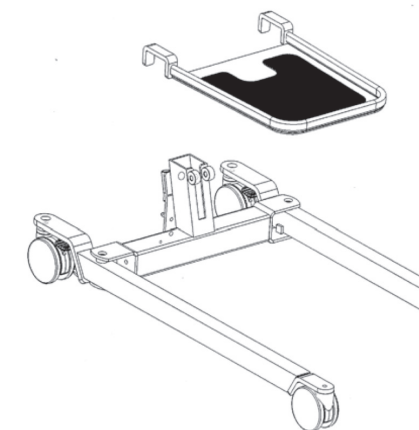
⚠ WARNING: Use only Direct Supply parts in the assembly of this resident lift.

Unpacking the Resident Lift

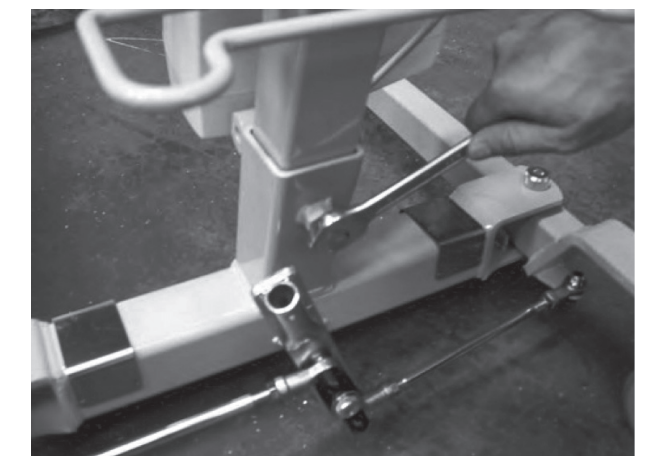
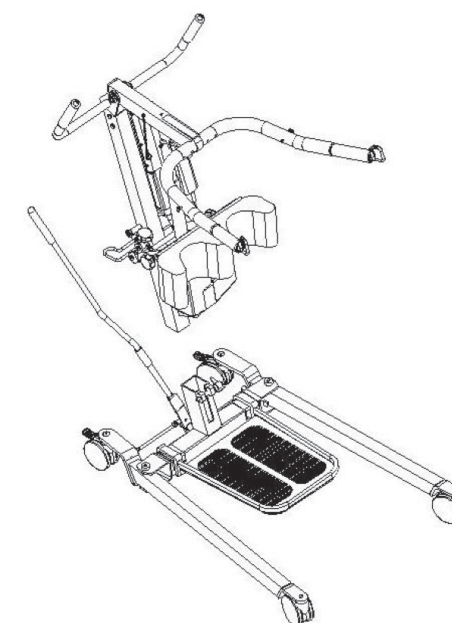
Remove all the parts from the carton and place on the floor, taking care to protect the painted finish from damage.

Assembly Instructions:

a) Place the base in a clear open space and apply the rear brakes. Attach the footplate to the base.



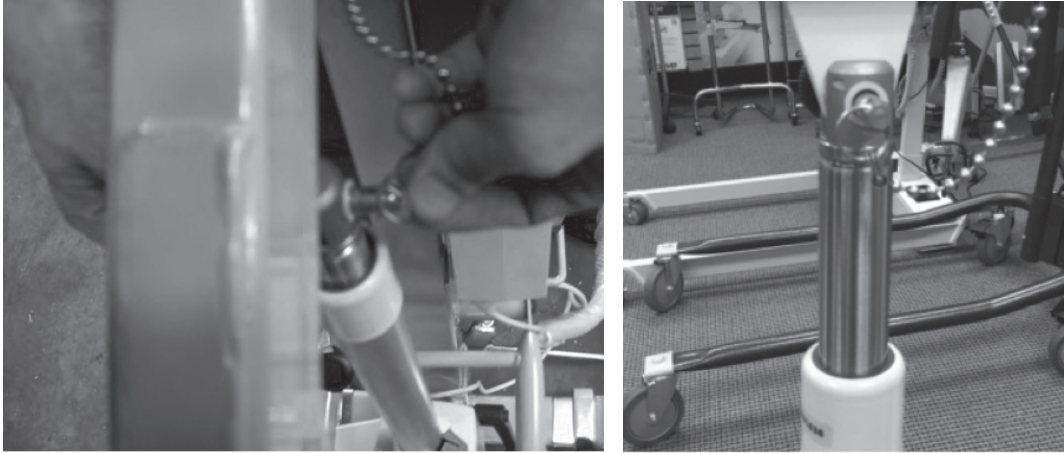
b) Fit the mast and boom assembly into the base socket. Tighten the mast assembly with the bolt provided.



Tighten bolt.

Assembly *(cont.)*

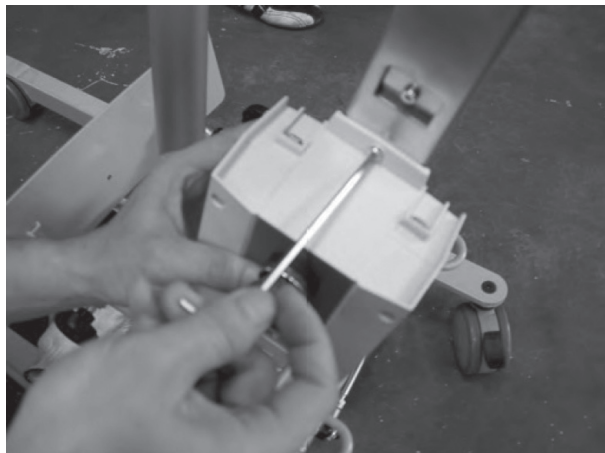
c) Install top actuator pin chain through lift and actuator.



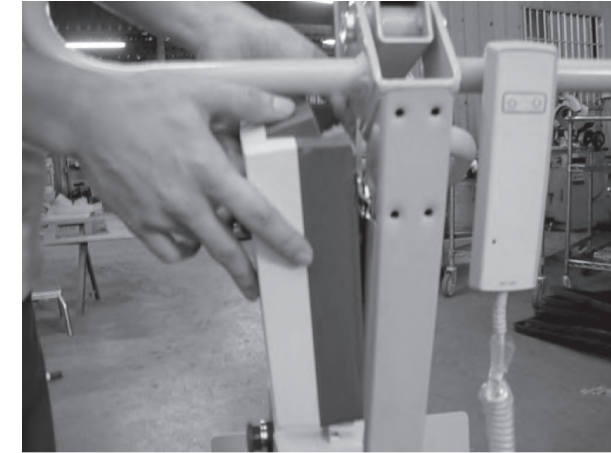
d) Install control box onto mounting bracket located on the mast.



e) Tighten control box mounting screws.



f) Install battery on top of control box.



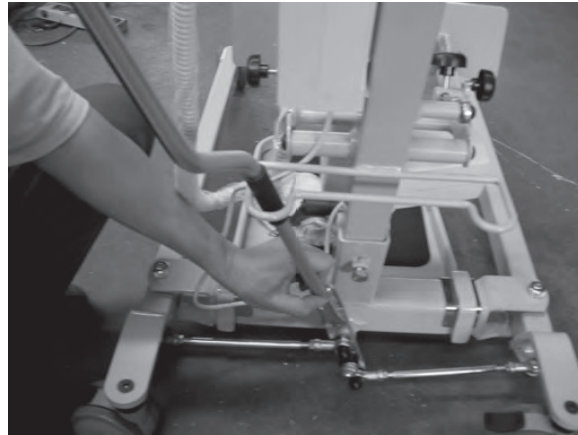
g) Plug the hand control into the socket located on the bottom left side of control box.



h) Plug the actuator into the bottom middle socket of control box.



- i) Install the base width adjusting handle.



⚠ WARNING: Ensure the mast is fully locked into position.

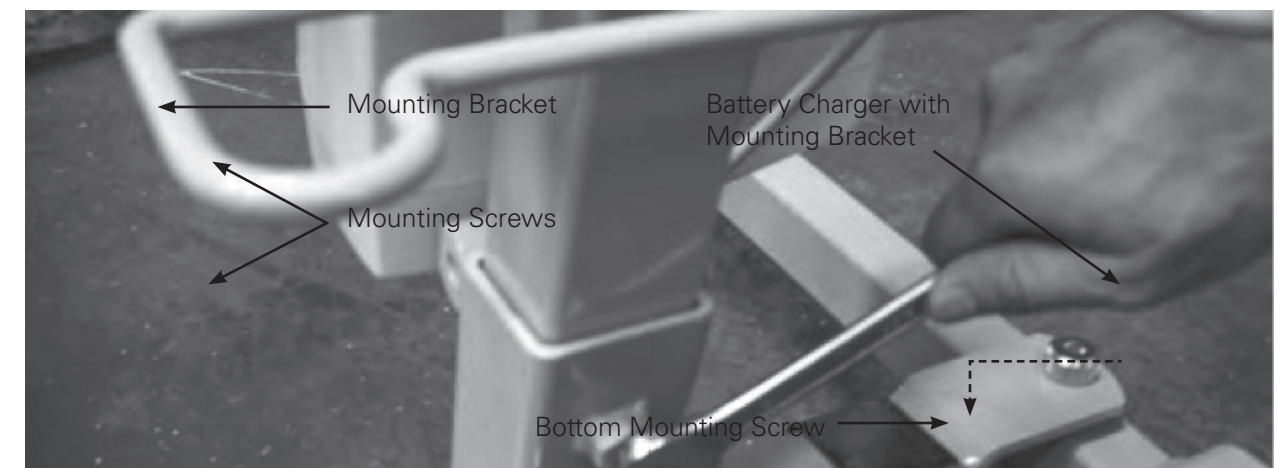
⚠ CAUTION: DO NOT overtighten mounting hardware. This will damage the mounting bracket.

⚠ CAUTION: Be sure the bolt is completely through boom assembly mounting bracket and actuator assembly holes. If the mounting hardware is properly aligned when the boom assembly is secured to the mast, the boom assembly will pivot easily.

Mounting the Battery Charger

⚠ CAUTION: Refer to your local regulations concerning proper mounting procedures.

- Place the battery charger with mounting bracket on the wall at the desired position.
- Mark the middle hole position with a pencil.
- Measure down 6½ inches from the pencil mark, and drill one mounting hole.
- Install the bottom mounting screw until there is an approximate ⅛-inch gap between the screw head and the wall.
- Install the battery charger with mounting bracket onto the bottom mounting screw.
- Drill the remaining two mounting holes.
- Install the two remaining mounting screws through the mounting bracket and into the wall. Tighten securely.
- Plug the battery charger into the wall electrical outlet.
- Verify ON is illuminated.



Operation

⚠ **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:** When lifting a resident, the legs of the lift must be in the maximum open position for stability and safety. If it is necessary to maneuver through a narrow opening, close the legs of the lift for only the time it takes to move through it, and open again to maximum open position.

⚠ **CAUTION:** More than one assistant is recommended for all resident lift activities; however, one assistant may be used based on proper evaluation by a medical professional.

Hand Control Buttons

The hand control is used to raise/lower the boom or when lifting a resident.

⚠ **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 lifts to allow the resident lift to stabilize itself when the resident is initially lifted from a chair, bed or any stationary object.

Raising/Lowering the Boom

Press the boom up arrow to raise the boom and the resident.

Press the boom down arrow to lower the boom and the resident.



Opening/Closing the Legs

Opening and closing the legs requires the use of the spreader bar.

The spreader bar handle (M) is used to open the legs of the base for stability before lifting the resident. The base legs should be locked in the maximum open position at all times when the resident is on the lift.

⚠ **WARNING:** For maximum stability, operate this lift with the base legs in the fully open and locked position when lifting a resident.

To open the base legs, grasp the spreader bar handle (M) in one hand and place the opposite hand on the steering handle of the mast for balance. Move the handle toward you and away from the locking plate and then to the far left to open the base legs. To close the legs to a narrow position for transport or storage, reverse the above procedure.



Activating a Mechanical Emergency Release

⚠ **CAUTION:** Always use extreme caution when activating 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 the MAX position, which is 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.

Primary Emergency Release



Insert a Pen Here

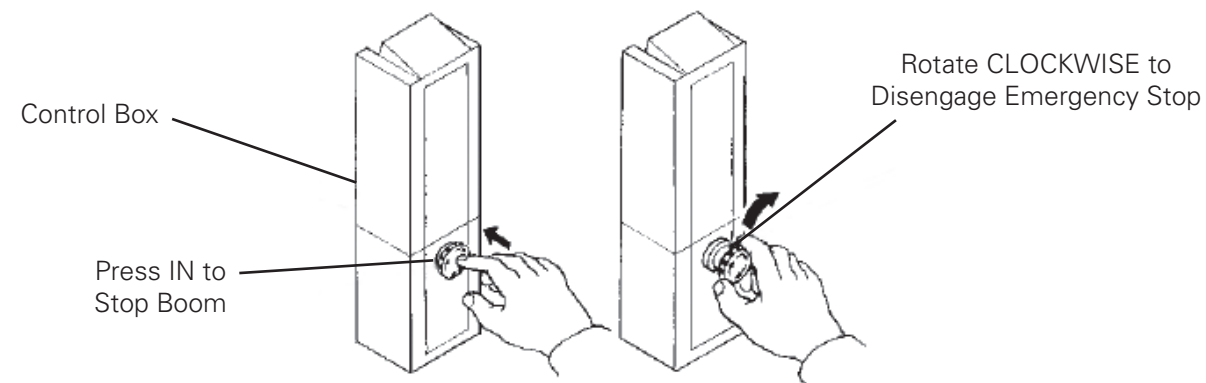


Secondary Emergency Release Lever

Performing an Emergency Stop

⚠ WARNING: A resident lift is a transfer device that allows attendants to transfer residents from a bed to a wheelchair, commode or similar device. It must not be used to transport residents.

- Before lifting a resident, make sure the base legs are in the most widely opened position and the rear caster brakes are engaged. Otherwise, the lift may tip over.
- The controller will give an audible warning when battery power is 50%. You should charge the battery immediately. Please note a lifted resident cannot be lowered when battery is out of power.
- If the control system is not working properly, push the red "emergency" button.
- The emergency "mechanical release" system (pull up) enables retraction of the actuator while under load. The mechanical release will enable the actuator to retract or lower without power. Refer to Picture A.
- Press the red emergency button on the control box to stop the boom assembly from raising or lowering.
- Rotate the red emergency stop button clockwise to disengage the emergency stop.



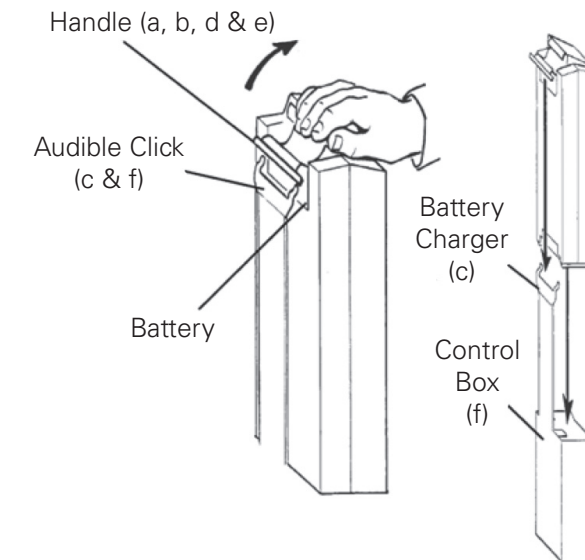
Charging the Battery

- Fully charge your lift's battery before using your new lift for the first time.
- Lift the handle on the back of the battery.
- Lift the battery up and away from the control box.
- Place the battery on the battery charger as shown. Listen for an audible click.
- Lift the handle on the back of the battery.
- Lift the battery up and away from the battery charger.
- Reinstall the battery onto the control box as shown. Listen for an audible click.

NOTE: To prolong battery life, the battery should be recharged daily. When the battery is low, an alarm will sound.

⚠ CAUTION: To confirm proper mounting, listen for a click when mounting the battery on the battery charger. Otherwise, damage may occur.

NOTE: When the battery is charging, the charge LED will illuminate. When charging is complete, the charge LED will stop illuminating. It takes approximately four hours for a battery to fully recharge.



NOTE: The battery mounts to the control box and battery charger as shown.



Lifting the Resident

⚠ WARNING: Warning indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

How to Operate the Sit-to-Stand Resident Lift: (Weight Lifting Capacity: 400 lbs.)

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.

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

Positioning the Sit-to-Stand Resident Lift

⚠ WARNING: When lifting a resident, the legs of the lift must be in the maximum open position for stability. If it is necessary to close the legs of the lift to maneuver the lift under a bed, close the legs of the lift only as long as it takes to position the lift over the resident and lift the resident off the surface of the bed. Return the legs of the lift to the maximum open position when the legs of the lift are no longer under the bed, and lock the shifter handle.

NOTE: Before positioning the legs of the resident lift under a bed, make sure the area is clear of any obstructions.

- Use spreader adjustment handle (right to left) to open the legs of the resident lift to maximum width.
- Use the steering handle to position the resident lift.
- To lower the boom for easy attachment of the sling, press the down button on the hand control.



⚠ WARNING: The legs of the lift must be in the maximum open position for optimum stability. If it is necessary to close the legs of the lift to maneuver the lift under a bed, close the legs of the lift only as long as it takes to position the lift over the resident and lift the resident off the surface of the bed. When the legs of the lift are no longer under the bed, return the legs of the lift to the maximum open position, and lock the shifter handle immediately.

Lifting/Moving the Resident

⚠ WARNING: DO NOT exceed the maximum weight limitation of 400 lbs. Individuals that use the standing resident sling MUST be able to support the majority of their own weight; otherwise, injury may occur.

⚠ WARNING: DO NOT move the resident if the sling is not properly attached to the attachment points on the sit-to-stand lift. Make sure the sling is properly attached BEFORE lifting the resident. If any attachments are not properly in place, correct the problem. When the sling is elevated a few inches off the stationary surface, and before moving the resident, check again to make sure the sling and all attachments are securely in place. If any problem is found, lower the resident back onto the stationary surface and correct the problem to avoid injury or damage. Damage may occur. Adjustments for safety and comfort should be made before moving the resident. Direct Supply resident slings are made specifically for use with Direct Supply resident lifts. For the resident safety, DO NOT intermix resident slings and resident lifts of other manufacturers.

NOTE: First, ensure the resident is in a seated position. Use the head section of the bed to get the resident upright, then move legs over the side of the bed.

Attaching a Sling

⚠ WARNING: Standing slings – the bottom edge of the standing sling must be positioned on the resident's lower back with arms outside the sling before lifting the resident.

⚠ WARNING: Transfer slings – the bottom edge of the transfer sling must be positioned at the base of the spine with the resident's arms outside the sling before lifting the resident.

Direct Supply does not recommend locking the rear casters of the sit-to-stand lift when lifting and transferring an individual. This could cause the lift to tip and injure the resident and assistants. Direct Supply recommends the rear casters to be left unlocked during lifting and transferring procedures to allow the sit-to-stand lift to stabilize itself when the resident is initially lifted from and transferred to a chair, bed or any stationary object.

Sling Attachment Guidelines

- Place the sit-to-stand sling around the resident according to the vest's instruction guide.
- Place sit-to-stand lift in front of the resident, and adjust the width of the base.
- Place the feet in the middle of the footrest with the lower legs parallel to the lower leg support.
- Adjust the height and depth of the lower leg support as needed for comfortable support below the kneecap.
- Connect the sling straps to the boom/lift arm's hooks. There may be multiple loops on the sling that can be hooked to the boom/lift arm's attachment hooks to properly position the sling for maximum stability and comfort.
- Raise the sling bar about 4 to 8 inches, and have the resident grab the sling bar for support. Then continue the lifting procedure.
- If the resident leans backwards, raising the resident will be made easier, preventing the vest from sliding up. The height to which the lift should reach varies from person to person.
- Before the resident is lifted from the underlying surface, but after the straps have been fully extended, ensure the straps are properly connected to the sling bar.
- For a more upright position, continue the lifting motion to the uppermost position. The raising motion can be experienced as unpleasant for the person not used to it.

Lifting the Resident *(cont.)*

Ensure the following:

- The resident's knees are secure against the knee pad.
- The resident's feet are properly positioned on the footplate (*Figure A*).
- Slings:
 - Padded standing sling: bottom edge of the standing sling is positioned on the resident's lower back.
 - Transfer sling: bottom edge of the transfer sling is at the base of the resident's spine.
 - Either style sling: resident's arms are outside the sling.
- Rear casters are UNLOCKED
- Sit-to-stand legs are in the maximum open position.
- Instruct resident to hold onto the hand grips on both sides of the sit-to-stand lift and to lean back into the standing or transfer sling (*Figure B*).



Figure A
Feet Position



Figure B
Arm Position & Lean Back



Figure C
Full Upright Position

⚠ WARNING: If transferring a resident from a wheelchair, wheel locks MUST be in the locked position before lowering the resident into the wheelchair. Otherwise, injury may occur.

⚠ WARNING: If transferring from a wheelchair, lock the wheel locks on the wheelchair.

Press the UP arrow on the hand control to raise the resident above the surface (bed, wheelchair or commode).

Moving the Resident

⚠ WARNING: DO NOT lock the rear casters of the resident lift when lifting an individual. Locking the rear casters could cause the resident lift to tip and endanger the resident and assistants.

⚠ WARNING: The legs of the sit-to-stand lift MUST be in the maximum open position for optimum stability. If the resident is in a sling and it becomes necessary to move through a narrow passage, close the legs of the sit-to-stand lift only as long as it takes to move through the passage. When the sit-to-stand lift is through the passage, return the legs to the maximum open position.

⚠ WARNING: During transfer of a resident suspended in the lift sling, DO NOT roll caster base over uneven surfaces that would create an imbalance of the lift. This could cause the lift to tip over. Use the mast handle at all times to push or pull the lift.

- a) Ensure the legs of the sit-to-stand lift are in the maximum open position. If not, use the spreader bar handle to open the legs.
- b) Move the sit-to-stand lift away from the surface the resident was lifted from.
- c) Slowly move the resident to the desired surface.

Transferring the Resident

⚠ WARNING: DO NOT attempt any transfer of a resident without the approval of the resident's physician, attending clinician, medical assistant or other medical professional.

Transferring to a Commode Chair

⚠ WARNING: Direct Supply recommends locking the rear swivel casters of the lift only when positioning or removing the sling from around the resident.

- a) Lift the resident from the side of the bed.
- b) Press the UP arrow on the hand control to elevate the resident high enough to clear the arms of the commode chair. His or her weight will be supported by the sit-to-stand lift.
- c) Guide the resident onto the commode chair. This may require two assistants.
- d) To lower the resident onto the commode chair, press the DOWN arrow.
- e) Lock the rear swivel casters on the sit-to-stand lift.
- f) Perform one of the following:
 - Standing sling – unhook the standing sling from the attachment points on the lift.
 - Transport sling – unhook the transport sling from the bottom attachment points on the lift.
- g) Lift up on the resident's legs, and remove the thigh supports from underneath the resident.
- h) If desired, unhook the transport sling from the top attachment points on the lift.

NOTE: The resident can remain in the upper portion of the transfer sling while using the commode.

- i) Instruct or assist the resident in lifting his or her feet off the footplate.
- j) Remove the sling from around the resident.
- k) Unlock the casters, and pull the lift away from the commode.

Transferring to a Wheelchair

⚠ WARNING: DO NOT place the resident in the wheelchair if the locks are not engaged. The wheelchair wheel locks MUST be in a locked position before lowering the resident into the wheelchair for transport. Otherwise, injury may result.

- a) Ensure the legs of the lift with the resident in the sling are in the maximum open position.
- b) Move the wheelchair into position.
- c) Engage the rear wheel locks of the wheelchair to prevent movement of the wheelchair. Refer to Detail B.
- d) Position the resident over the wheelchair.
- e) Lower the resident into the wheelchair.
- f) Unhook the sling from all attachment points on the lift.
- g) Instruct resident to lift their feet off the footplate. Assist the resident if necessary.
- h) Remove the sling from around the resident.
- i) Pull the lift away from the wheelchair.

Transferring to a Bed

⚠ WARNING: Direct Supply recommends locking the rear swivel casters ONLY when positioning or removing the sling from around the resident.

NOTE: If the resident is being transferred from a surface lower than the bed, raise the resident above the surface of the bed. The resident should be elevated just high enough to clear the bed with his or her weight fully supported by the lift.

- a) Position the resident as far over the bed as possible.
- b) Press the DOWN arrow, and lower the resident onto the bed.
- c) Lock the rear swivel casters on the sit-to-stand lift.
- d) Unhook the sling from all attachment points on the lift.
- e) Instruct the resident to lift his or her feet off of the footplate. Assist the resident if necessary.
- f) Remove the standing or transport sling from around the resident.
- g) Unlock the rear swivel casters, and pull the lift away from the bed.

Problem	Possible Cause	Action
Power indicator does not light up.	Not connected to control box. The fuse has blown. Control box defective.	Connect 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, but actuator does not run.	Actuator plug not pushed into control box properly. Actuator defective.	Push actuator plug into control box securely. Replace actuator.
Relays in control box are heard clicking.	Control box defective.	Replace control box .
Power indicator lights up, but actuator does not run.	Control box defective. Handset defective.	Replace control box. Replace hand control.
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 completely dead on battery 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 a 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/lift 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.

Maintenance Safety Inspection Checklist

Regular cleaning will reveal loose or worn parts, enhance smooth operation and extend the life expectancy of the lift. Follow the maintenance procedures described in this manual to help keep your resident lift in continuous service.

All parts of the resident lift are made of the best grades of steel, but metal-to-metal contact will wear after considerable use. There is no adjustment or maintenance of either the casters or brakes, other than cleaning, lubrication, and checking axle and swivel bolts for tightness. Remove all debris from the wheel and swivel bearings. If any parts are worn, replace these parts immediately. If you question the safety of any part of the lift, contact your dealer immediately and advise it of the problem. Do not use the lift if you suspect any component is damaged or worn; contact Direct Supply immediately.

It is extremely important for the lift to be inspected before each use. The following items need to be checked before each use:

- All nuts and bolts should be tight.
- The lift should move freely with caster brakes off.
- Check the brakes on the rear casters for proper operation.
- Make sure base adjustment mechanism is operating easily.
- Double check to ensure the "U" bracket at the end of the boom and the "S" hook on the hanging bar are secured tightly.
- Work the actuator to ensure the battery still has enough power. When battery is 50% below full capacity, it will give "beep" warning and need to be recharged immediately.
- Before initial use, place a drop of oil on the following areas:
 - Where mast and boom connect, hanging bar hook and caster axles;
 - Where actuator and boom attach;
 - Lubricate as above every two to three months.

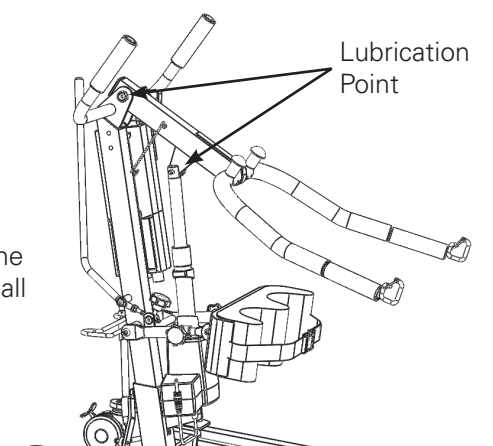
* We reserve the right to make technical changes without notice.

Lubricating the Lift

Designed for minimum maintenance, the resident lift should be checked and lubricated every six months. Keep all components clean and in good working order. Any defect should be noted and reported to Direct Supply immediately, and do not use the lift. 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 extreme moist conditions. Lubricate all pivot points. Remove excess lubricant from the lift surface.

Lubricate the following points:

- Boom/mast mount
- Actuator boom connection



Detecting Wear & Damage

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

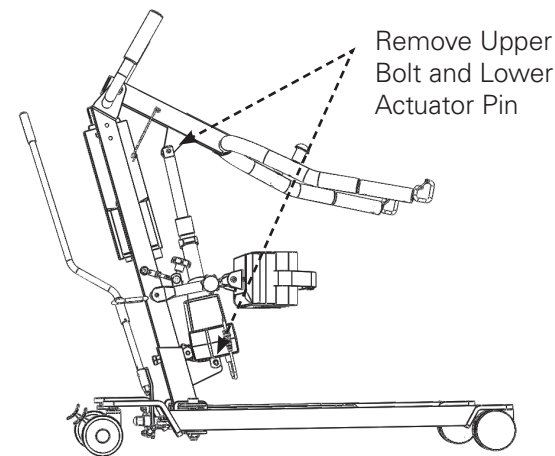
Cleaning the Sling & Lift

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.

Replacing the Boom Actuator

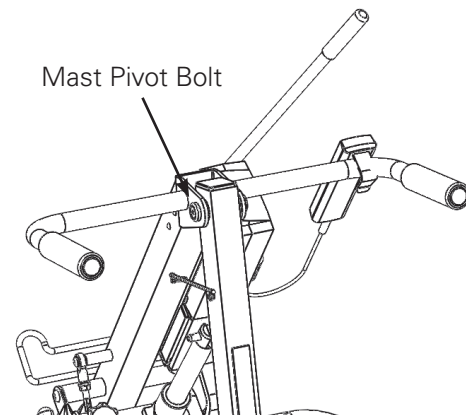
⚠ CAUTION: DO NOT overtighten the nut and bolt. This damages the mounting bracket.

1. Remove snap ring, washer and lower actuator pin that secure electric actuator to the mast mounting bracket.
2. Rest the boom on your shoulder and remove the nut, bolt, plastic bushing and pinch guard from the boom mounting bracket.
3. Remove the boom actuator assembly.
4. Reverse steps for installation.



Checking & Tightening Mast Pivot Bolt

- a) Check that the bolt is through the bracket and the locknut is tight and secure.
- b) If needed, do one or more of the following:
 - Tighten locknut and back off the locknut 1/8 of a turn.
 - Replace the locknut.



Replacing Boom/Lift Arm

⚠ WARNING: After the first year of use, the hooks of the boom/lift arm and mounting brackets of the boom should be inspected every six months to determine the extent of wear. If these parts become worn, replacement must be made prior to use.

The boom/lift arm is attached to the boom with bolt, nut and washers.

⚠ CAUTION: Washers should be placed against both sides of the boom mounting bracket to prevent damage.

The boom/lift arm has one hook on both ends to attach the sling that supports the resident during lifts.

Remove existing hardware and replace the boom/lift arm.

⚠ CAUTION: DO NOT overtighten hardware. This damages the mounting bracket.

Adjusting Knee Pad Height & Depth

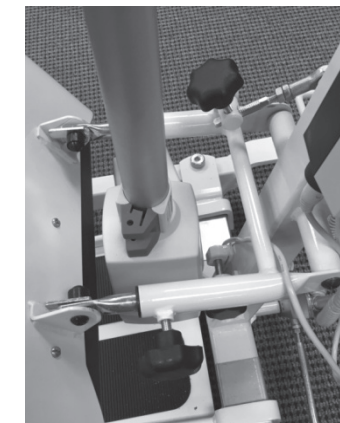
⚠ WARNING: NEVER adjust the knee pad while the resident is in standing position.

⚠ WARNING: NEVER try to adjust the knee pad while the lift is moving.

⚠ WARNING: ALWAYS make sure the threaded hand knobs are engaged in corresponding height-adjustment holes before use.

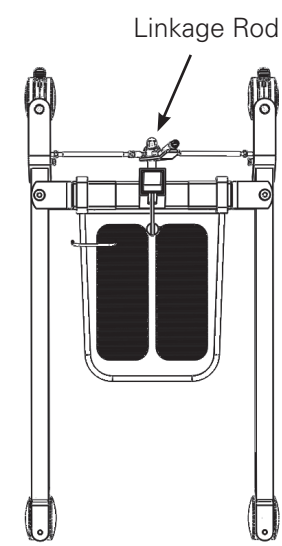
NOTE: The knee pad should be positioned so the knee portion of the leg is in contact with the pad.

- a) Pick a height setting that will be comfortable to the resident and provide the necessary support.
- b) Loosen the three adjustment hand knobs by turning counterclockwise.
- c) Position the knee pad to the desired height and depth, then tighten hand knobs by turning clockwise.
- d) Check to ensure knee pad is in a comfortable position and hand knobs are tightened securely.



Base Adjustment

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

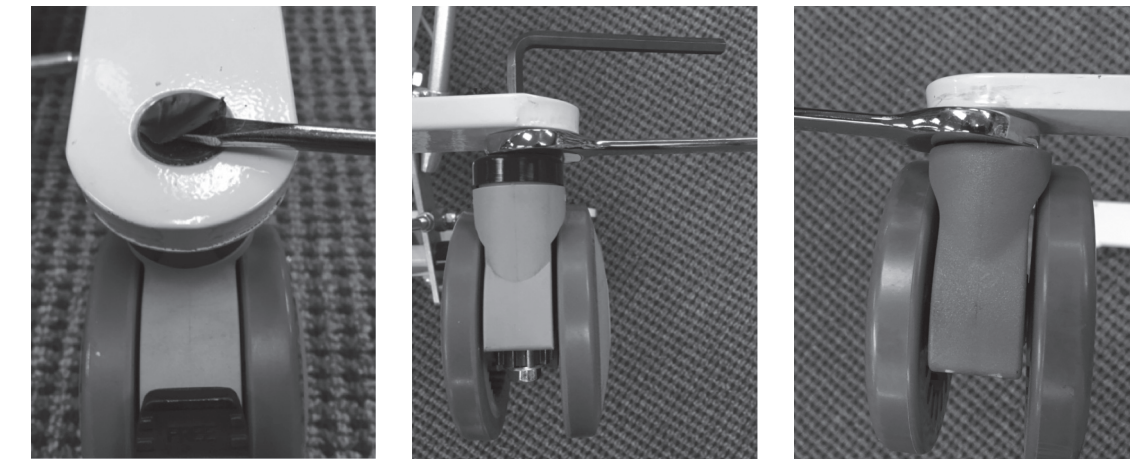


Caster Replacement

⚠ WARNING: Ensure there is sufficient room to turn the resident lift on its side and floor area is clear of debris. Otherwise, injury to personnel or damage to the resident lift may occur.

Place the lift on its side. Remove the bolt and locknut that secure the existing caster to the fork.

1. Rear locking casters only: Peel off the black tape cover to expose the head of the Allen head bolt.
2. Use a 6 mm Allen wrench on the head of the bolt and a 21 mm wrench on the nut above caster housing. To remove caster, turn Allen wrench counterclockwise while holding nut. Reverse procedure to install caster.
3. Front nonlocking casters only: Use a 21 mm wrench on the nut above caster housing. To remove caster, turn wrench counterclockwise. Reverse procedure to install caster.



Sit-to-Stand Resident Lift

Electric Sit-to-Stand Resident Lift, 400 lb. weight capacity (to be validated by QC/Engineering)

Height at Sling Hookup – MAX:	67.5 inches
Height at Sling Hookup – MIN:	23 inches
Base Width OPEN:	39 inches
Base Width CLOSED:	22.75 inches
Base Height (Clearance):	4.5 inches
Base Length:	41 inches
Overall Height at Handlebar:	44 inches
Overall Length of Base:	46 inches
Overall Width:	22.75 inches
Caster Size (FRONT):	4.0 inches
Caster Size (REAR):	4.0 inches
Sling Options:	Standing or Transfer
Weight Capacity:	400 lbs.
Weight Out of Carton:	113 lbs.
Carton Ship Weight:	128 lbs.
Battery:	24V DC (RCHBL)
Charger Input:	100 - 240V AC
Charger Output/Charging Time:	29.5V DC Max. 6 hours
Audio/Visual Low-Battery Alarm:	Yes
Motor Safety Devices:	Anti-Entrapment
*Approximate Lifts per Charge:	*100 - 200 cycles per charge (varies depending on load and stroke)
Emergency Stop Button:	Yes

Limited Warranty

Customer Service

We offer to you, as the original purchaser, a warranty for the Atlas Sit-to-Stand 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.

	Warranty Period (Parts Only)	Anticipated Usable Device Life
Frame	5 years	5 years
Electrical Parts/Components	1 year	1 year

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

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Made in China

Our promise to you is that you will have a convenient and easy ordering experience, receive a quality Atlas Sit-to-Stand Lift, and enjoy outstanding customer service. If you have any questions about the resident lift you have purchased or would like to request warranty service, please contact: **Direct Supply Equipment & Furnishings** at 1-800-634-7328, 6767 N. Industrial Road, Milwaukee, WI 53223, SalesSupport@DirectSupply.com.



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