



ApexLift[®] Alton[®]
Bathtub Lift

OWNER'S MANUAL

Published by
Apex Dynamics Healthcare Products, L.L.C.

IMPORTANT NOTES

Please pay attention to the important information regarding the care, maintenance, and operation of the ApexLift[®] Alton[®] in this manual.

Please read the instructions carefully before assembling the **lift**, or attempting to lift any patient with the device.

Always keep the **Owner's** Manual available with the lift.

Remember to complete the warranty registration card and mail it back.

SAFETY PRECAUTIONS

The **ApexLift® Alton®** allows a caregiver to lift and transfer a patient safely with minimum physical effort. Before attempting to lift anyone, one should practice operating the lift and explain to the patient the lifting **procedures**.

Arrange all necessary items (**lift, sling, wheelchair**) properly for a smooth procedure. The person being transferred should be positioned in the center of the bed before lifting, as well as when he is returned to the bed.

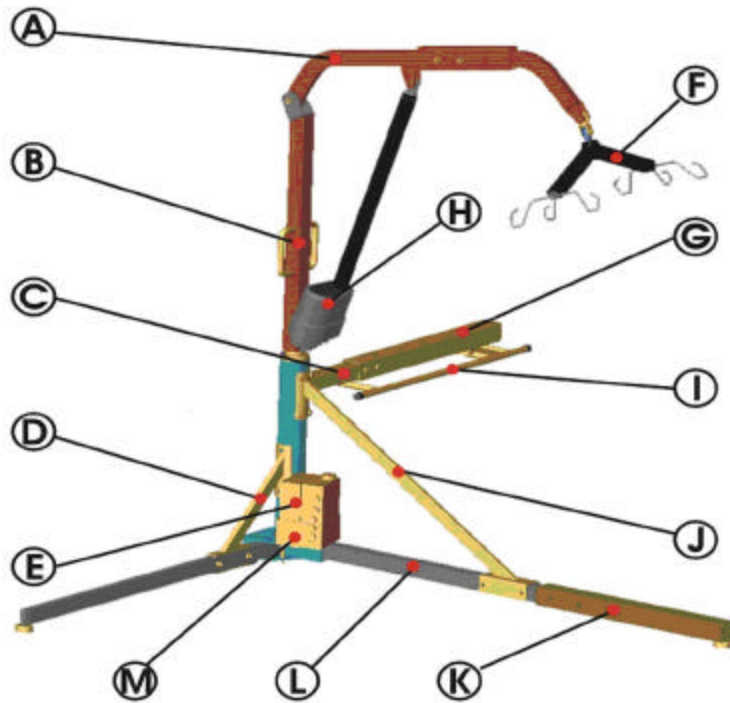
- Special care must be taken with patients who cannot provide assistance while being lifted. (i.e. patients who are comatose, spastic, agitated or otherwise severely handicapped).
- Always keep the patient being lifted facing the caregiver operating the lifter.
- Use only **ApexLift®** slings specially designed for **ApexLift® Alton**. Do not use slings manufactured by other companies on **ApexLift® Alton®**. Apex Dynamics Healthcare Products, L.L.C. is not responsible for any consequence resulting from using non-ApexLift® products.
- Do not put anything (e.g. cushion, pad, etc) between the user and the sling. This may cause user to slide out of the sling and cause injury.
- Use only genuine **ApexLift®** parts or components. Apex Dynamics Healthcare Products, L.L.C. is not responsible for any consequence resulting from using non-ApexLift parts and components.
- Service and repair of the **ApexLift® Alton®** should be performed by Apex Dynamics Healthcare Products, L.L.C. or its authorized dealer. Apex Dynamics Healthcare Products, L.L.C. is not responsible for any consequence resulting from any unauthorized service or repair.
- Do not lift over the maximum weight allowed (400 lbs.)

Warning!

*Do not attempt to transfer a patient without prior approval of the person's nurse. Also, do not transfer without having studied the instructions and performed several practices in operating the product. Together (with the patient's doctor, nurse, or medical attendant) select a sling that is both practical and comfortable. The sling selected should be one that serves the needs of the patient, while providing the patient with optimal safety. Never interfere with the lift, unless instructed by the attendant. Have a doctor, nurse, or medical attendant (experienced in the use of the ApexLift® Alton®) present during the first few **times** the **lift** is used to transfer a new user.*

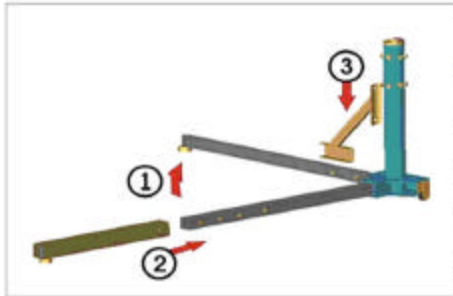
FEATURES

ALTON EXPLOSION CHART

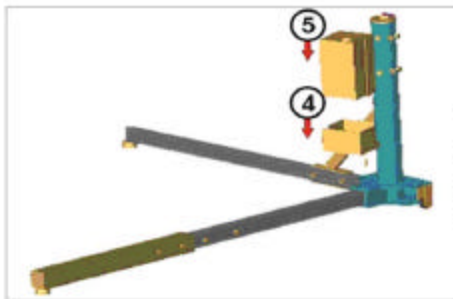


- A. BOOM
- B. MAST
- C. SUPPORTING LEG OVER BATH-INNER
- D. SIDE BRACE
- E. CONTROL BOX
- F. SPREADER BAR
- G. SUPPORTING LEG OVER BATH-OUTER
- H. ACTUATOR
- I. ACROSS BATH BRACE
- J. FRONT BRACE
- K. FRONT LEG
- L. BASE FRAME
- M. CONTROL BOX BRACKET

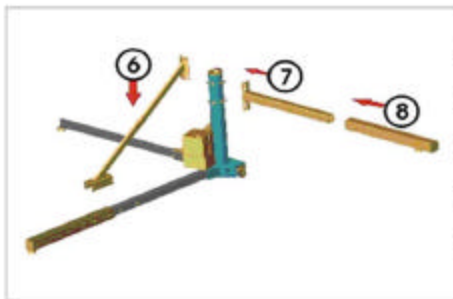
ASSEMBLY INSTRUCTIONS



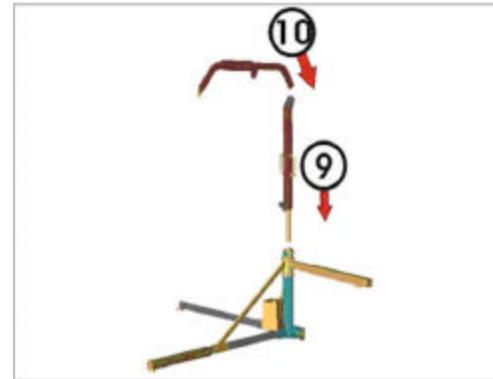
1. Extend side supporting leg and tighten the nuts and bolts.
2. Extend the front supporting leg to desired length and tighten nuts and bolts.
3. Install side brace to mast and side supporting leg.



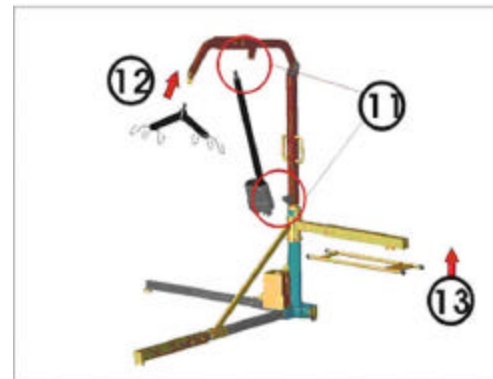
4. Install control box bracket to base.
5. Put control box in bracket.



6. Install front supporting brace.
7. Install supporting leg over bath (inner) to mast.
8. Install supporting leg over bath (outer).

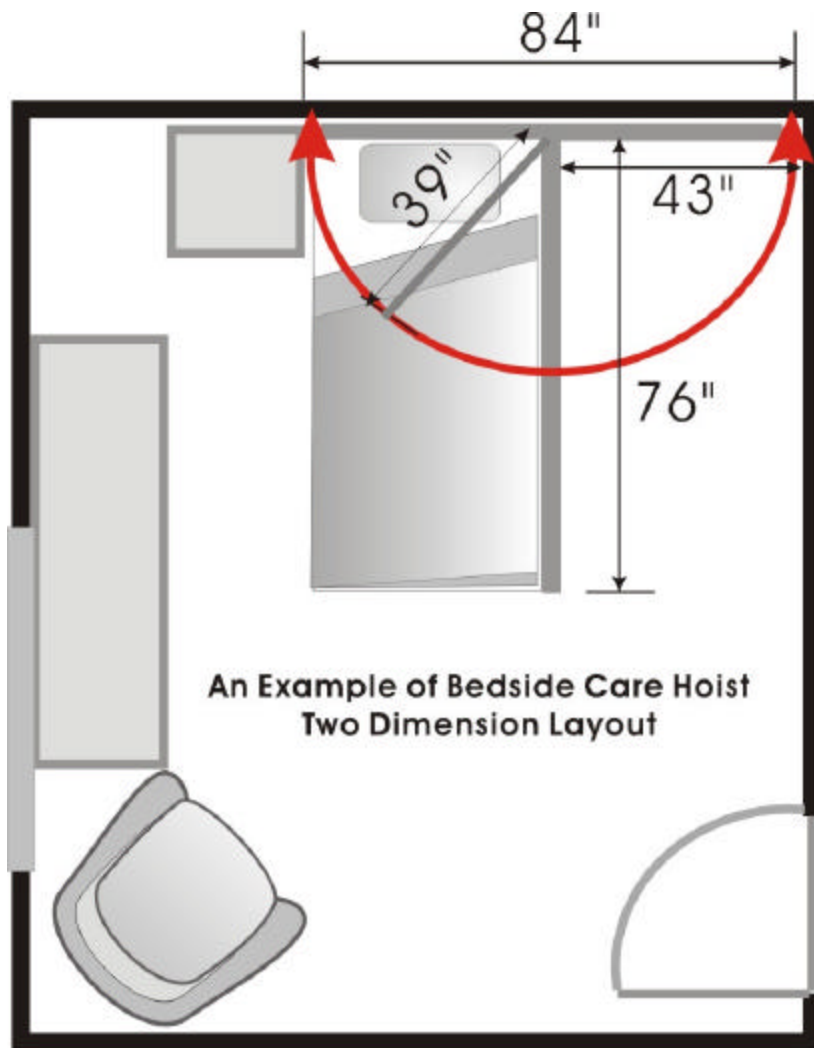


9. Insert mast into base.
10. Attach boom to top of mast.



11. Attach actuator to mast and boom.
12. Attach spreader bar to boom.
13. Place across bath supporting brace over bath. Place supporting leg on brace and level it.

SPACE REQUIREMENTS

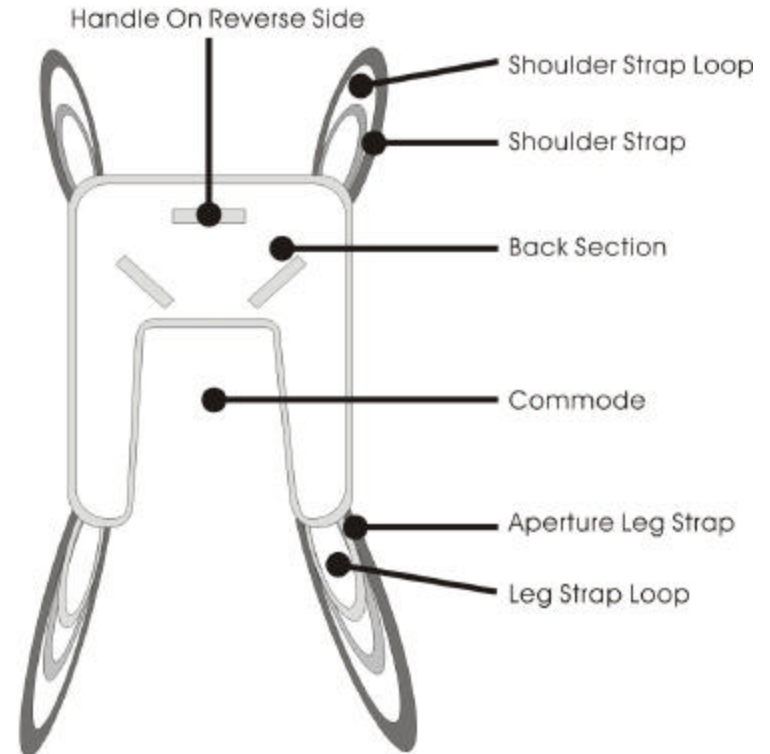


OPERATION INSTRUCTIONS

Preparation Before Lifting

1. Turn on the power by **twisting** the RED RESET BUTTON clockwise.
2. Press the UP or DOWN button on the hand control once. Check if the battery indicator lights are on. To proceed with lifting, make sure there is at least one green light. Batteries are fully charged when three (3) green lights are shown.
3. After the battery indicator lights GO out, push the UP button and the DOWN button on the hand control and ensure that the lift is operating correctly.

Drawing of ApexLift® Universal Sling



Lift and Transfer From Bed to Wheelchair



Position patient onto **his/her** side by rolling the patient towards you.

With the handle on the back section facing outward, roll the sling approximately in half.



Position the sling so that the commode aperture aligns with the base of the spine.

Straps should not be left under the patient.



Roll patient onto **his/her** opposite side and position **the patient** on the flat section of the sling.

Unroll the remainder of the sling from the other side of your client.

The sling should be positioned centrally along patient's back.



Feed the leg sections under the thigh and then draw them up between thighs.

The fabric under the thighs should be kept as flat as possible.



Feed one leg strap through the loop of the other leg strap and crisscross each other.

Using the straps in this way will allow greater security and dignity whilst lifting.



Bring into position the spreader bar of your ApexLift[®] Alton[®].

Attach shoulder and leg straps to the hooks on spreader bar.

The **shoulder straps** are designed with different loop options to accommodate different positions for lifting.

Long loop for recline position.
Short loop for upright position



Press the "UP" button on the hand control and lift patient up from bed.

Make sure sling is secured and patient is comfortable.

Grip the sling handle and pull patient to the Bathtub and lower him to the wheelchair.

Lift and Transfer From Wheelchair to Bed



Grip the sling by the corners of the commode aperture.

Make sure the handle on the back section should face outward.



Slide the sling down between the chair and the patient's back.

Position sling equally around both sides of patient's body.

Position the commode aperture where buttocks meets the seat.



Draw leg straps to front along length of thigh.

Make sure the sling is positioned centrally by comparing the lengths.

Reposition the sling if the leg straps are of unequal length.



Feed the leg straps under the thighs. Make sure to feed as much fabric as possible under and between the thighs for good support.

Make sure the fabric under the thighs is flat.

Feed one leg strap through the loop of the other leg strap and crisscross each other.

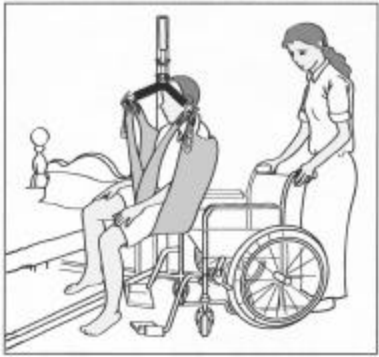


Bring into position the spreader bar of your ApexLift® Alton®.

Attach shoulder and leg straps to the hooks on spreader bar.

The **shoulder straps** are designed with different loop options to accommodate different positions for lifting.

Long loop for recline position.
Short loop for upright position



Press the “UP” button on the hand control and lift patient up from the wheelchair.

Make sure sling is secured and patient is comfortable.

Grip the sling handle and pull patient to the center of the bed and lower him to the bed.

Power Supply

Your ApexLift® Alton® is powered **by 24 VDC batteries**. A charger is provided. It should be connected at all times for continuous charging of the batteries.

Charging The Batteries

1. Ensure the power is switched "ON" (the red “RESET” button should be up).
2. Insert charging plug into charging port on the control box. **Do not charge batteries for more than 10 hours.**
3. Plug charger to power supply.

Checking The Battery

1. Check batteries by pressing the Battery Testing Button (blue circle with a battery sign) on the control box.
2. Batteries are fully charged when all lights are "ON".
3. Batteries need to be charged when one green light left.
4. Avoid using the lift when only amber and red lights are "ON".
5. Batteries may need to be replaced if the red light frequently shows.

Know what the battery indicator lights are telling you:

RED	AMBER	GREEN	GREEN	GREEN	
ON	ON	ON	ON	ON	FULLY CHARGED
ON	ON	ON	OFF	OFF	NEED CHARGE
ON	ON / OFF	OFF	OFF	OFF	CHARGE IMMEDIATELY. DON'T USE THE LIFT
OFF	OFF	OFF	OFF	OFF	BAD BATTERIES OR BAD CONNECTION

MAINTENANCE AND INSPECTION INSTRUCTIONS

- The operator of the **lift** shall inspect the ApexLift® Alton® before each use. Check all bolts for tightness. Make certain all necessary items (i.e. slings, and wheelchairs, etc.) are ready for use.
- At least once a month, the **lift** should be thoroughly inspected by a person qualified to recognize any **sign** of wear and tear, and looseness of bolts or parts. Replace any worn parts immediately.
- To lubricate, put a drop of oil on the following points when the ApexLift® Alton® is placed into service and every month thereafter. Top of Mast, Spreader Hinge, Mast base.

Table of Maintenance Schedule:

Item	In the Beginning	Monthly
1. Boom & Spreader Bar : <ul style="list-style-type: none"> • Check connections between 1) Boom and Spreader Bar 2) Boom and Mast for improper connection, looseness, or wear. • Check the Boom for bending and deflection. 		
2. Mast and Base Frame: <ul style="list-style-type: none"> • Check Mast for bending or deflection. • Check Base frame for loose bolts and nuts. 		
3. Actuator & Control Box: <ul style="list-style-type: none"> • Make sure the Control Box is firmly affixed to the Mast base. • Make sure the pins are firmly affixed to the Actuator, Boom and the Mast. • Make sure the Connecting Cable of actuator and control box is not loose. 		
4. Slings & Sling Hardware: <ul style="list-style-type: none"> • Check sling for wear. • Check sling hardware before use. 		

TROUBLE SHOOTING

Symptom:	Corrections:
Cannot lift patient up and battery indicator shows no GREEN light.	<ul style="list-style-type: none"> • Charge the batteries.
Lift does not work and the battery indicator shows full charge.	<ul style="list-style-type: none"> • Check connection between the actuator and the control box. • Check connection between Pendant & control box.
Lift does not work and the battery indicator shows no light.	<ul style="list-style-type: none"> • Make sure the emergency stop button is released. • Check connection of the batteries in control box.
Stop-and-Run while lifting or lowering patient.	<ul style="list-style-type: none"> • Check socket for pendant plug-in. • Check pendant cable.
Battery Indicator shows no light when charger is connect to power supply	<ul style="list-style-type: none"> • Check the emergency stop button is released. • Check charger plug for damage. • Check charger cable for damage.
Lift does not work. Battery indicator shows full charge. Notice "click" sound from control box when UP or DOWN button on hand control was pressed.	<ul style="list-style-type: none"> • Actuator problem.

If there is any problem you could not solve, please contact the dealer for assistance.

LIMITED WARRANTY

The Apex-Lift[®] product you purchased is guaranteed by Apex Dynamics Healthcare Products L.L.C. ("Apex Dynamics") to be free from defects in material and workmanship under normal use and service. The warranty period for this product is twelve (12) months from the date of purchase by the original purchaser, except the batteries which are warranted for six (6) months only. This warranty shall be voided upon transfer of ownership of this product. Apex Dynamics agrees to repair or replace this product, at our option and at no charge, within the warranty period providing that the product delivered to Apex Dynamics or its Authorized Service Center, in its original packaging or equivalent, fully insured and with all shipping charges prepaid, and proven to Apex' s consent to be defective. The repaired or replacement unit shall be warranted for a period equal to the balance of the defective unit. A handling charge of \$50.00 will be applied to any returned product proven to be not defective. For warranty service, please contact the dealer from whom you purchased your Apex Dynamics product. You may also contact Apex _____ should warranty service be not available from your dealer. However, you should never return the product to your dealer or to Apex Dynamics at any time without verbal consent of either party. To ensure best the service to our customers, **Apex Dynamics** requires the following information to be included with the returned unit:

1. Model Name/Number and Serial Number attached on the packaging;
2. Proof of purchase i.e. a copy of the original invoice from either **Apex Dynamics** or its **dealer**;
3. A return Authorization number (RA#) obtained by calling Apex Dynamics prior to the return of the product. The RA# shall be clearly indicated on the outside of the packaging; and
4. A detailed description of the problem and its symptoms on a note.

This warranty shall not apply to any product which has been repaired or altered in any way so as, in our judgment, to affect its functionality and durability, nor to any product subject to abuse, misuse, negligence or accident, improper maintenance, improper installation, nor to any product used with other parts, components and /or accessories with quality and/or specifications incompatible with this product. This warranty does not cover products that have been impaired by occurrences considered Acts of God over which Apex Dynamics has no control. This warranty shall also be voided if any required periodic maintenance, if applicable, has not been properly performed on this product.

This warranty and remedies presented above are exclusive and in lieu of all other express or implied warranties. No other representations or claims shall be binding on or obligate Apex Dynamics in any way. Any warranty applicable to this product is limited to the period described above. In no event will **Apex Dynamics** be liable for any special, incidental, or consequential damages, loss of revenue, or cost of replacement goods, resulting from the use or malfunction of this product to the associated equipment on which it is used. This warranty gives specific legal rights and you may also have other rights which vary from state to state.

**PLACE
STAMP
HERE**



WARRANTY REGISTRAION CARD

Model	Serial No.	Date Purchased
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Purchased From		
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Facility / User Name		
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Address		
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