

# Acousti-Lift

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## Assembly & Operation Manual

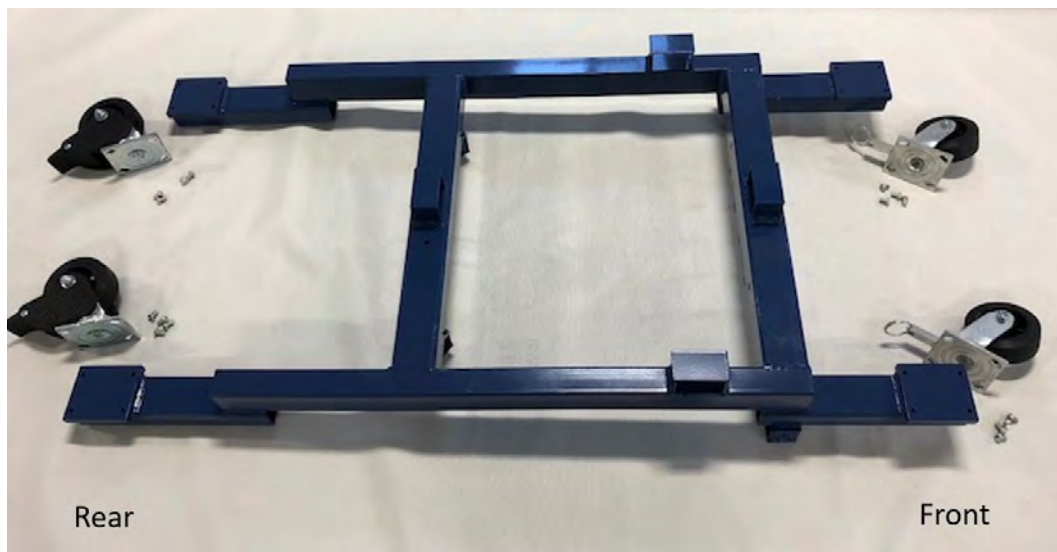
## ASSEMBLY INSTRUCTIONS FOR ACOUSTI-LIFT

### Equipment Required

- 7/32" hex key wrench
- Standard hand tools

### Assembly

1. Lay out all the pieces and reference attached drawing 114945 to ensure all components are present.
2. Attach wheels to base
  - a. Lay the base upside down to access the mounting plates for the wheels.
  - b. Position (2) wheels (114738-003) on the front mounting plates with the locking ring facing toward the rear. Secure with machine screws (114511-001) using 7/32" hex wrench.
  - c. Position (2) wheels (114738-001) on the rear mounting plates. Secure with machine screws (114511-001) using 7/32" hex wrench.



3. Attach wheels to outrigger legs
  - a. Lay the outrigger legs (114703-001) upside down to access the mounting plates for the wheels.
  - b. Position (2) wheels (114738-001) on the mounting plates. Secure with machine screws (114511-001) using 7/32" hex wrench.
  - c. Set outrigger legs aside for later use.
4. Attach safety tip plate
  - a. Turn the base upside down and position tip plate (115043-001) over the front tube of the base.
  - b. Line up the holes and secure with 1/2" pin and e-clips (114693-001).
  - c. Turn base over onto its wheels.



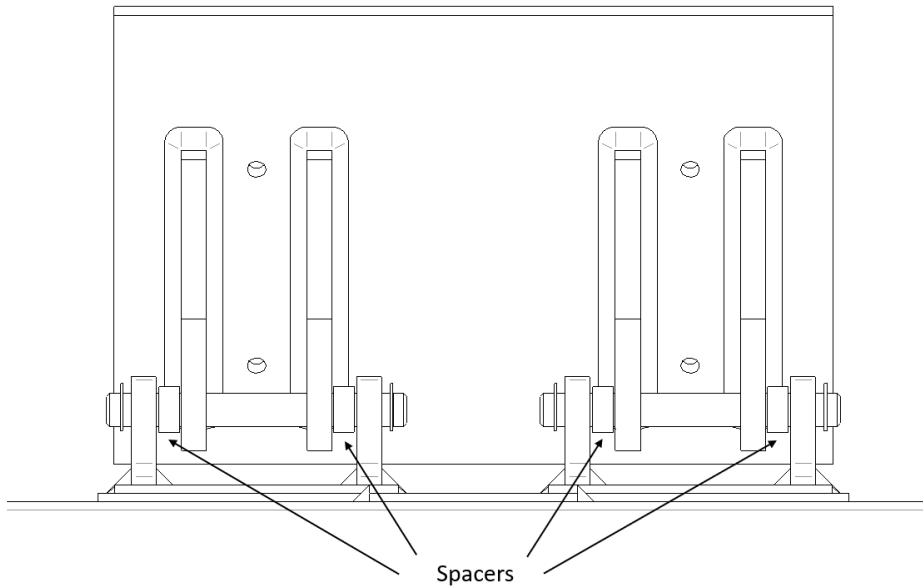
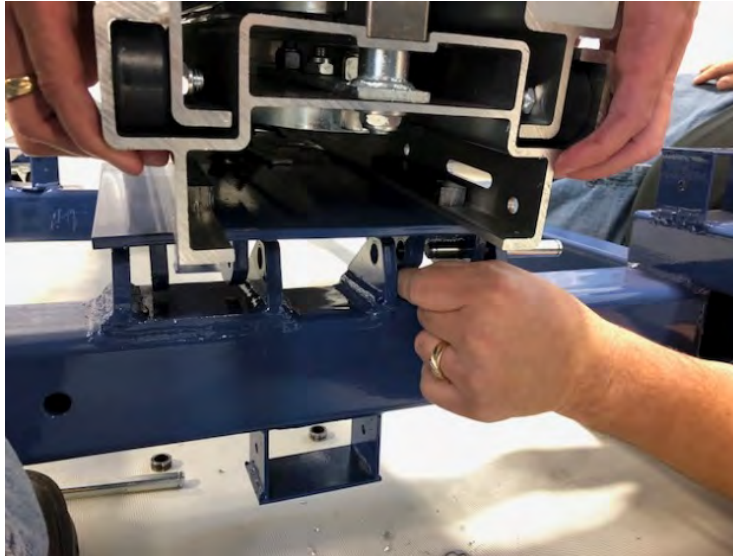
5. Attach mast to base assembly **(This is a TWO person task)**
  - a. Lock the wheel brakes on the base.
  - b. Bring the mast assembly to the front of the base and place it so the mast support bracket is properly located in the hinge brackets at the front of the base.



- c. Tilt the mast down to lay it over the base and let the mast rest on its wheels.



- d. With one person steadying the mast assembly, have the other person thread the ½" pins (114693-001) through the brackets and spacers (114761-001) as shown below.
- e. Secure each end of the pins with provided e-clips.



6. Attach crank mechanism
  - a. One person continues to hold mast assembly upright, while the other attaches the crank mechanism to the mast's middle support bracket.
  - b. Place the long tube end of the crank mechanism in the rear hinge bracket of the base. Attach with  $\frac{1}{2}$ " x 2.75" clevis pin (114691-003) and secure with hairpin.
  - c. Tilt mast back until you can connect the short tube end of the crank assembly. Attach with  $\frac{1}{2}$ " x 2.75" clevis pin (114691-003) and secure with hairpin.
  - d. Use the crank handle (113600-001) to tilt the assembly forward until mast is in vertical position.



7. Attach cradle assembly

- a. Turn the mast crank handles around for use by pulling up on the retaining knob, rotating the handle 180 degrees, and securing back in place.
- b. Bring the cradle assembly over and position directly in front of the mast.
- c. Crank the mast down until the holes are lined up for attaching the cradle assembly.



- d. Attach with the 1/2" pins provided (114691-002) and secure with hairpins.
- e. If top cradle assembly has not already been slid inside the bottom cradle assembly, slide the tubes together. Screw the locking knobs (114482-001) into both cradle legs and secure top cradle as needed.
- f. Hook straps (114943-001) on the cradle to be ready for use.



8. Final assembly of outriggers and handle
  - a. Slide outrigger tube, with wheel down, into the brackets near the middle of the base, one on each side.
  - b. Secure using the quick release pins provided (114727-001).
  - c. Assemble the handle by securing the handle base (114756-001) and handle extension (114757-001) together using a ½" clevis pin (114691-001).
  - d. Slide the handle into the bracket on the rear side of the base.
  - e. Secure using the quick release pin provided (114727-001).



**Your ACOUSTI-LIFT is now fully assembled and ready for use. Please refer to the operation instructions below.**



## OPERATION INSTRUCTIONS FOR ACOUSTI-LIFT

1. Lower lift cradle down until the bottom of the cradle assembly touches the ground. **The adjustable portion of the cradle should always be upwards when loading a panel.**
2. Loosen the locking knobs on the cradle and raise the top, adjustable portion high enough to allow a panel to be loaded. Tighten locking knobs to hold it in place.



3. Using an Acousti-Cart, wheel the panel towards the lift in a horizontal orientation and position the edge of the panel over the bottom of the cradle.



4. Crank the mast up on the lift slightly until it touches the bottom edge of the panel. Slide the top of the cradle down until it makes contact with the top edge of the panel and tighten the locking knobs to secure the panel in the cradle.



5. Loosen and raise the panel stabilizing bracket on the Acousti-Cart to free the panel. Crank the mast up on the lift until the panel clears the top of the Acousti-Cart base and pull the Acousti-Cart away from the lift.



6. Place the boot on the bottom of the panel and secure by wrapping a ratchet strap from a hook location on the front of the carriage to the opposite side on the rear as shown below. Tighten ratchet strap until the boot is securely in place against the panel.



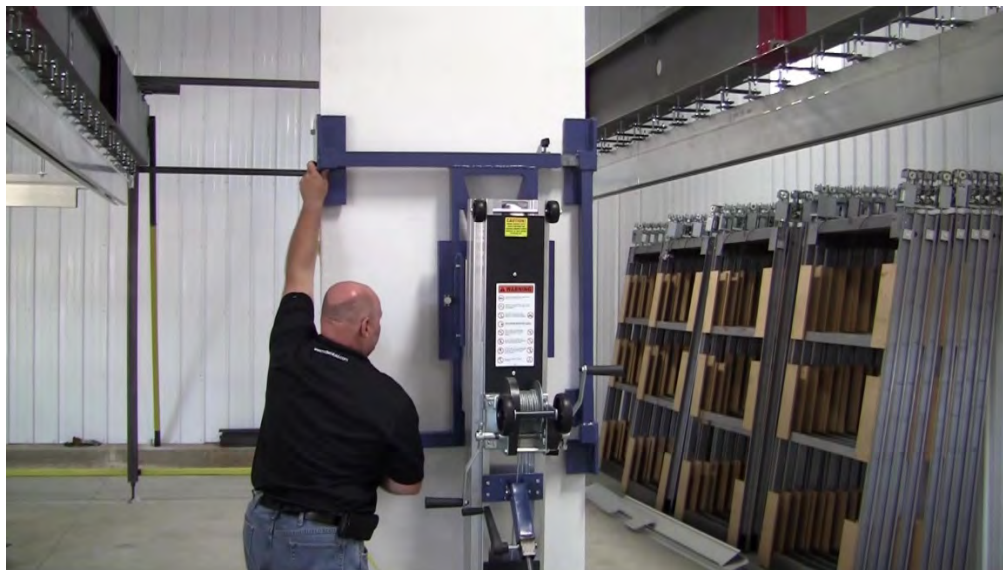
7. Secure the other end of the cradle by placing a ratchet strap across the face of the panel as shown below. Tighten ratchet strap until strap is taut.



8. Once the panel has been secured in the cradle, use the mast crank to lift the panel off the ground. Lift the panel to a height that will allow it to clear the floor when rotated upright.
9. The crank mechanism connecting the mast to the base is used to adjust the angle of the cradle. Tilt back the panel slightly to aid in panel rotation.



10. To rotate the panel, pull the knob on the rear of the cradle and carefully start to rotate the panel in the desired direction. Let go of the pull knob and continue to rotate until panel is in the vertical orientation. The cradle automatically locks into place in 90° increments to hold the panel in place.



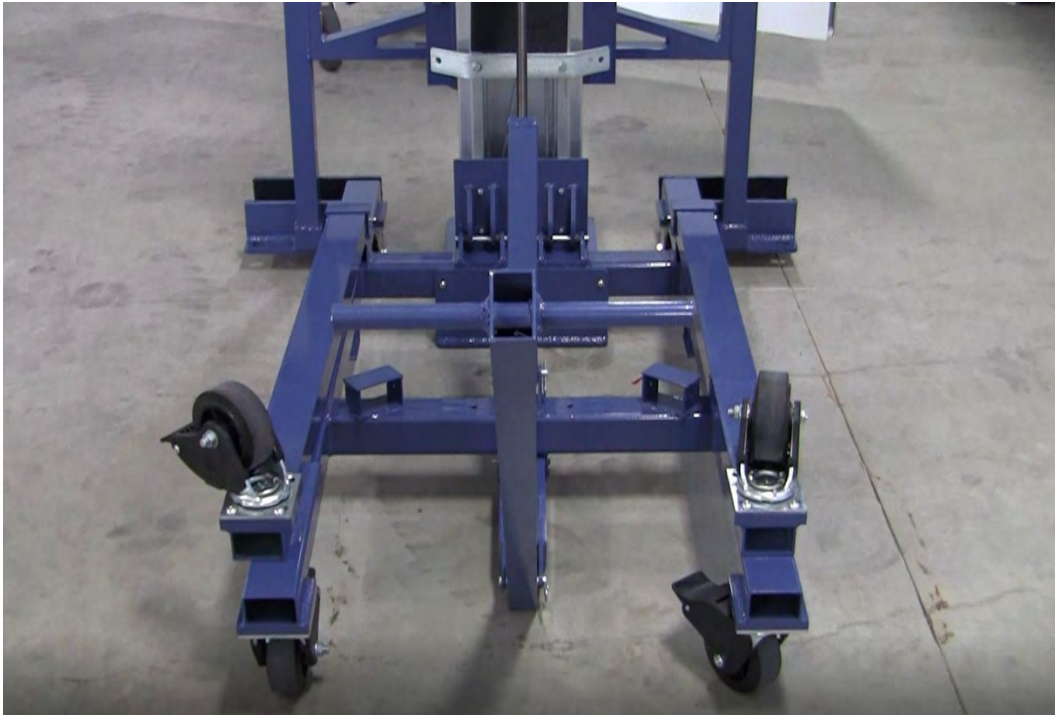
11. Use the handle to maneuver the lift to the desired installation location and position the panel directly under the track. Using the angle crank handle, tilt the panel forward until it is perpendicular to the ground. Then use the mast crank handle to raise the panel to the desired height for the trolleys to slide into the track.



12. Once the panel is installed in the track, remove the ratchet straps and the boot from the bottom of the panel. Extend the arms of the cradle to release the panel and pull the lift away from the installed panel.
13. Return the carriage to its original position and repeat the process for subsequent panels.
14. Perform these steps in reverse to remove a panel from the track.

## TRANSPORTATION POSITION FOR ACOUSTI-LIFT

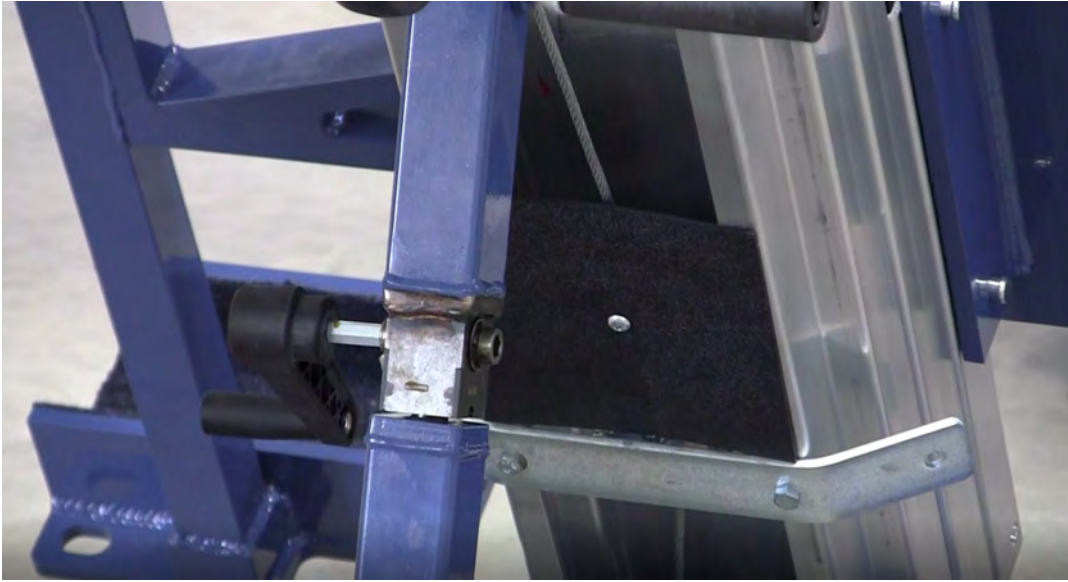
1. Remove the outrigger legs from their mounting brackets for operation. Flip them over so the wheels are facing upwards and slide them into the mounting brackets on top of the base's front legs.



2. Unpin the handle from the base.



3. Crank the angle bracket down as far as it will go.



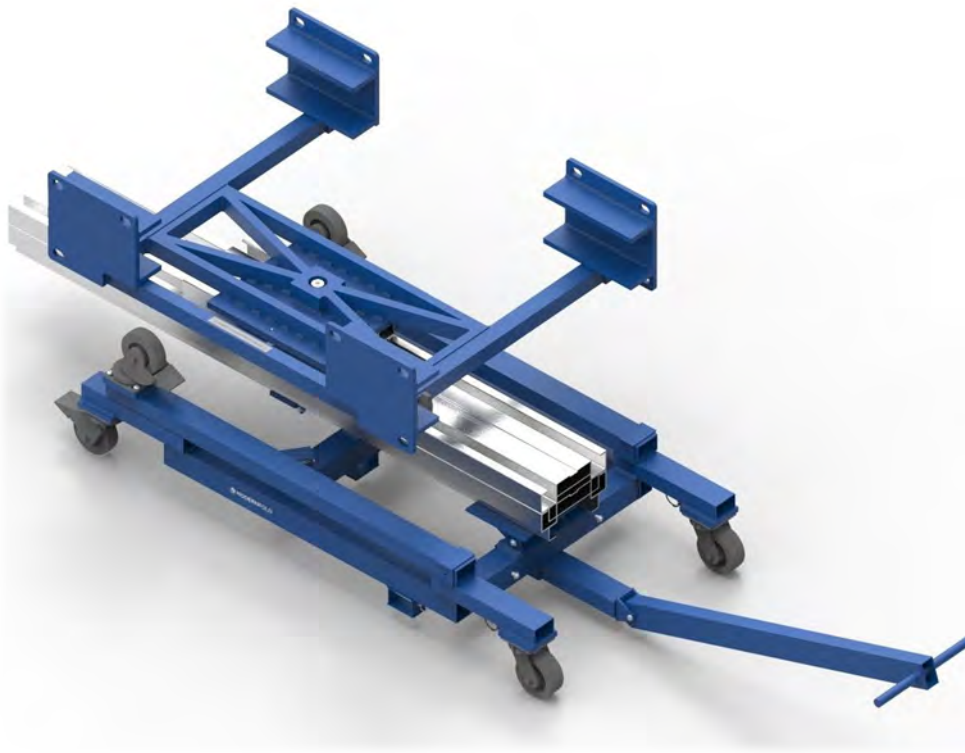
4. Unpin the angle bracket from both the mast and the base and remove from the assembly.



5. Lean the mast back as far as it will go.



6. Unpin the tip plate and remove from the assembly.
7. Insert the handle into the front bracket on the base to maneuver the lift in the collapsed state.





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