

JOB SAFETY ANALYSIS

Safety Information for the University of California, Berkeley

RECREATIONAL SPORTS - MAINTENANCE

OPERATING MECHANICAL PERSONNEL LIFTS (NOT CRANES)

General Precautions: There should always be two people working together when operating mechanical lifts. Harness, hard hat, eye protection should be worn at all times. Check the bubble level to ensure ground is level.

Note: It is important that one receives all the appropriate training required for each task before any work can be done.

TASK	HAZARDS	CONTROLS
1. Push lift to desired location.	Foot injury	Keep feet away from mechanical lift wheels.
	Injury to others	Be aware of others. Warn others who may be near the lift that you are moving it. The second person should steer lift from front.
	Back injury	Bend knees to lessen pressure on lower back. Use legs as source of power to push.
2. Secure perimeter of work area.	None foreseen	
3. Remove outriggers from compartment.	Injuries from falling base	Make sure all outrigger parts are secured before removing from compartment. Wear close-toed shoes.
	Dropping outriggers	Remove one outrigger at a time. Use both hands to remove from compartment.
	Back injuries	Use both hands to remove outriggers from compartment. Use legs as source of power to pull outriggers out of compartment. Secure steady stance for balance.

		Injuries to others	Be aware of surrounding personnel and let them know if the outriggers may be in their way. Be aware of length of outriggers.
	4. Setting outriggers in sockets.	Back injury from being in low position	Bend knees to insert outriggers and crank outriggers secure. Use arm to support body on leg to lessen pressure on back.
	5. Setting tool table on lift basket.	Back injury	Bend knees to lessen pressure on lower back. Use legs as source of power to lift tool table.
	6. Getting into lift basket.	Tripping over cords	Secure all cords before entering basket. Clear area of any loose articles.
		Falling from unstable lift	Crank all outriggers until tight and secure. Check to see that all green lights on monitor are on.
		Falling security bar	Hold security bar above head until completely inside basket.
		Tripping while entering	Watch your step.
		Leg injury from outriggers.	Keep leg away from outriggers. Be aware of surroundings.
	7. Starting lift.	Exceeding the 350-pound weight limit could result in a fall	Do not operate if over the weight maximum.
		Falling out of basket	Ensure security bar is lowered back down. Do not lean or reach out of basket. Do not climb on the basket.
		Collision with structural support, light fixtures, or other suspended objects	Evaluate area overhead before raising lift. Only raise lift in areas that are clear overhead.
		Entanglement with cord	Make sure all cords are secured before lifting to avoid anything from getting caught.

<p>Other Information: Contributors: Department of Recreational Sports Created: June 2004 JSA Library Number: RS-Maint-05</p> <p>For more information about this JSA, contact the <i>Office of Environment, Health and Safety</i> at UC Berkeley, 317 University Hall #1150, Berkeley, CA 94720-1150 (510) 642-3073 • http://www.ehs.berkeley.edu</p>		Injury to others	Secure all loose articles. Do not allow anyone to stand underneath lift.	
	8. Performing task.	Injury from falling objects	Wear hard hat, eye protection, and dust mask.	
	9. Lowering lift.	Injuries to others	Secure all loose articles. If applicable, hold onto item on tool table to secure.	
	10. Exiting basket.	Injury to others	Have assistant remove object from tool table before exiting, if applicable.	
		Falling security bar	See above for more information.	
		Tripping and falling	Watch your step.	
	<p>Required Training: Operation of aerial lift, electrical safety, lockout/tagout, and fall protection.</p>	<p>Required Personal Protective Equipment (PPE) Hard hat, eye protection, harness</p>		