



BOOM LIFT WITH HYDRAULIC OUTRIGGERS SAFETY INSTRUCTIONS

INTRODUCTION

Familiarity and proper training are required for the safe operation of mechanical equipment. Equipment operated improperly or by untrained personnel can be dangerous. Read the operating instructions in the manual and become familiar with the location and proper use of all controls. Inexperienced operators should receive instruction from someone familiar with the equipment before being allowed to operate the machine. The use of intelligence and common sense in the operation of mechanical equipment is the best practice in any safety policy. Be professional and always observe the safety procedures set forth in the manual and this document.

THINK SAFETY FIRST

BEFORE OPERATION

Ensure the following general safety precautions are followed before operating the Trailer Mounted Boom Lift.

- ALWAYS survey the usage area for potential hazards such as untamped earth fills, unlevel surfaces, overhead obstructions, and electrically charged conductors or wires. Be aware of any potential hazards and always consider what could happen. Watch for moving vehicles in the operating area.
- ALWAYS read, understand, and follow the procedures in this manual before attempting to operate equipment.
- ALWAYS inspect the equipment for damaged or worn parts. Check for cracked welds, hydraulic leaks, damaged wiring, loose wire connectors, damaged outriggers, low tire pressure, uneven tire wear, or tire damage. Also check for any improper operation. NEVER operate equipment if damaged in any way. Improperly operating equipment must be repaired before using.
- ALWAYS wear proper clothing for the job. Wear protective equipment as required by federal, state, or local regulations. The operator MUST wear a safety harness and lanyard.
- ALWAYS locate, read, and follow all directions and warnings displayed on the equipment.
- ALWAYS inspect the equipment for “DO NOT USE” tags. NEVER use equipment tagged in this way until all repairs are made and all “DO NOT USE” tags are removed by authorized maintenance personnel.
- ALWAYS make sure the basket and your shoes are free of mud, grease, or other slippery material to reduce the possibility of slipping.
- NEVER allow improperly trained personnel to operate this equipment. Only trained and authorized personnel shall be allowed to operate this equipment.
- NEVER operate this equipment if you are under the influence of alcohol or drugs, or if you feel ill, dizzy, or unsteady in any way. Operators must be physically fit, thoroughly trained, and not easily excitable.
- NEVER modify, alter, or change the equipment in any way that would affect its original design or operation in any way.
- NEVER operate this equipment in ways for which it is not intended.

DURING OPERATION

Ensure the following general safety precautions are followed during the operation of the Trailer Mounted Boom Lift.

⚠ DANGER This machine is not insulated for use near electrical power lines and DOES NOT provide protection from contact with or close proximity to any electrically charged conductor. Operator must maintain safe clearances at all times (10 feet minimum) and always allow for platform movement such as wind induced sway. Always contact the power company before performing work near power lines. Assume every line is hot. Remember, power lines can be blown by the wind.

- ALWAYS position lift far enough away from power sources to ensure that no part of the lift can accidentally reach into an unsafe area. This includes full extension of the boom through 360 degrees rotation.
- ALWAYS operate only on a firm and level surface. NEVER use on surfaces that do not support the equipment with its rated load capacity and the resulting force exerted on the outriggers during boom extension and rotation.
- ALWAYS keep yourself and all personnel away from potential pinch or shear points.
- ALWAYS report any misuse of equipment to the proper authorities. Horseplay is prohibited.
- ALWAYS maintain good footing on the work platform. NEVER wear slippery soled shoes.
- ALWAYS make certain all personnel are clear and there are no obstructions before repositioning basket.
- ALWAYS cordon off area around the outriggers to keep personnel and other equipment away from it while in use.
- ALWAYS stay clear of wires, cables, and other overhead obstructions.
- ALWAYS engage the boom travel locking pin (when equipped) before towing the trailer.
- NEVER allow electrode contact with any part of the basket if welding is being performed from the platform.
- NEVER use without all 4 outriggers fully lowered and the lift leveled. When on soft surfaces additional outrigger support may be necessary.
- NEVER override or bypass manufacturer's safety devices.
- NEVER operate this equipment without full body harness and lanyard in use by all platform occupants.
- NEVER attach a safety harness to an adjacent structure, pole, or equipment while working from the boom platform.
- NEVER release outrigger locks or move unit with a person or materials on board.
- NEVER release the outriggers or move the trailer with the boom extended.
- NEVER stand or sit on cage bars. Work only within the work cage and do not lean out over the cage to perform work.
- NEVER use without all guard rails and entry bar in place.
- NEVER attempt to increase working height with boxes, ladders, or other means.
- NEVER operate this equipment when exposed to high winds, thunderstorms, ice, or any other weather conditions that would compromise operator safety.
- NEVER allow ropes, electric cords, hoses, etc. to become entangled in the equipment when the basket is being raised or lowered.

DURING OPERATION (CONT.)

- NEVER exceed manufacturer's load limits or use the lift as a crane for lifting heavy materials. Make sure all tools and equipment are safely stowed.
- NEVER exceed load ratings by transferring loads to the basket at elevated heights.
- NEVER use cage to carry materials and never allow overhang of materials when raising or lowering the basket.
- NEVER push or pull with the boom or basket and NEVER use the boom to lift any part of the trailer.
- NEVER use the boom or basket to place a "dead man" load against any structure, materials, or equipment.
- NEVER climb up or down boom.
- NEVER leave the keys in the boom lift while unattended or not in use.

MAINTENANCE SAFETY

Ensure the following safety precautions are observed whenever maintenance is performed on the Trailer Mounted Boom Lift.

GENERAL MAINTENANCE

- ALWAYS perform maintenance procedures according to manufacturer's requirements. NEVER short change maintenance procedures.
- ALWAYS check hydraulic system. Make sure all lines, connectors, and fittings are tight and in good condition.
- ALWAYS turn the MASTER POWER switch OFF before connecting or disconnecting wiring to or from valve solenoids or other load devices.
- ALWAYS disconnect power to the hydraulic pump drive motor before making electrical checks of the hydraulic valves.
- ALWAYS keep all mechanisms properly adjusted and lubricated according to maintenance schedule and manufacturer's specifications.
- ALWAYS perform a function check of operating controls before each use and after repairs have been made.
- ALWAYS locate and protect against possible pinch points prior to performing maintenance and repairs.
- ALWAYS use factory-approved parts to repair or maintain this equipment. If this equipment is rebuilt, retesting is required in accordance with factory instructions.
- NEVER allow water or foreign particles into the DC electric motor housing. Ingestion of water or foreign particles may cause serious damage to the motor. If the motor gets wet, oven dry the motor to remove all moisture before operating; consult motor manufacturer for drying instructions.
- NEVER test or operate the hydraulic components when another person is near the equipment.
- NEVER add unauthorized fluids to the hydraulic system or battery. Check original manufacturer specifications.
- NEVER exceed the manufacturer's recommended relief valve settings.
- NEVER touch or allow metal tools to contact static discharge sensitive electronic components. ALWAYS use static discharge prevention mats and grounding devices when handling electronic components.

MAINTENANCE SAFETY (CONT.)

- NEVER tamper with cylinder counter balance valves. Contact the Bil-Jax Lift Service Department at 419-445-9675 if the cylinder counter balance valves need adjusting.
- NEVER attempt repairs you do not understand. Consult manufacturer if you have any questions regarding proper maintenance, specifications, or repair.

BATTERY MAINTENANCE

- ALWAYS check battery acid level daily - check battery test indicator for proper state of charge on maintenance free batteries before using lift.
- ALWAYS wear safety glasses when working near battery.
- ALWAYS avoid contact with battery acid, Battery acid causes serious burns. Avoid contact with skin or eyes. If accidental contact occurs, flush with water and consult physician immediately.
- ALWAYS disconnect ground cable first when removing battery.
- ALWAYS connect ground cable last when installing battery.
- ALWAYS charge batteries in open, well-ventilated areas.
- NEVER smoke when service battery.
- NEVER allow batteries to overcharge and boil.
- NEVER short across battery posts to check for current. NEVER break a live circuit at battery.
- NEVER jump start other vehicles using boom lift battery.

NOTE: All OSHA, ANSI, state and local codes and regulations pertaining to this equipment should be obtained, read, and thoroughly understood before attempting to use this equipment. Persons under the influence of drugs, alcohol, or prescription medication should not be on or near this equipment. Common sense should be implemented at all times during the use of this equipment.

DO NOT USE THIS EQUIPMENT IN AREAS WHERE EQUIPMENT OR USER MAY COME IN CONTACT WITH LIVE POWER SOURCE.

THE INFORMATION CONTAINED HEREIN IS NOT TO BE CONSIDERED AS LEGAL ADVICE AND IS INTENDED FOR INFORMATIONAL PURPOSES ONLY.

This information is offered so as to alert customers of Bil-Jax to procedures that may be of concern to them.

This information is not intended to be all inclusive and is to be followed in the use of Bil-Jax equipment only.

For any questions concerning the safe use of this equipment, call 419-445-8915 or 800-537-0540.



125 Taylor Parkway
Archbold, OH 43502-9309