

Boomlift / Manlift

Used Boom Lift Louisiana - The boom lift is one of the most popular kinds of aerial machinery. Also referred to as elevating work platforms, aerial devices, cherry pickers, mobile elevating work platforms and aerial work platforms, boom lifts are capable of completing jobs at higher elevations easily and efficiently. Many industries rely on boom lifts every day including retail locations, construction contractors, companies and warehouses. Keeping workers safe as they access conditions in a higher altitude is priceless. The material handling industry offers many boom lift models. A single operator can control a variety of boom lift models. This machine is popular for harvesting fruit in locations such as orchards that historically relied on climbing dangerous ladders. Ladders need to be secured on solid, even ground in order to be safely accessible, making them hard to rely on in a natural orchard setting. Boom lifts make it much easier to reach high tree tops for collecting fruit. Gaining Access Over Obstacles Certain boom lifts are designed to move up and over items. This makes working over obstacles possible. This equipment is used in numerous industries including installing telephone poles and lines, maintaining overhead cables and window cleaning applications due to their ability to reach items when it is not practical to situate the machine directly underneath the issue. Articulated boom lifts are comprised of many joints that allow the machine to bend under or over obstacles. These sections can independently move to allow workers to gain access to a variety of places. Famous for their tight turning radius, articulated booms offer an ideal solution for narrow hallways and storage facilities. The dual-fuel boom lifts provide service in both exterior and interior locations. Diesel models are used outside while electric boom lifts are implemented in interior locations. Articulating Boom Lifts Articulated boom lifts are commonly found on construction sites and used in maintenance applications. They provide a vital piece to the fleet for servicing power lines and overhead wires. Firefighters even rely on them and some models feature water cannons. Telescoping sections are available on certain models to extend reach to the maximum. Certain articulating boom lifts can extend an additional six feet in any direction thanks to the additional jib in their design. Since these machines commonly work on steep ground and rough terrain, they resemble "spiders" with their long legs, and often go by that nickname on the job site. Interior articulating boom lifts are smaller and able to fit through doorways for use inside storage, warehouse and retail capacities. Electric models are preferred in interior situations due to the danger that carbon monoxide exhaust poses and how much quieter these models are. Telescopic Boom Lifts Telescopic boom lifts do not bend the way articulating boom lifts do. These units use hydraulics to retract and extend outwards and upwards. The operator who is situated in the platform has the controls to operate and extend the lift on their own. Certain larger units feature a jib located at the top that looks similar to an articulating boom lift model. Boom lifts are available that reach higher than one-hundred and eighty feet. These machines are built to be stable and reliable. Some are able to extend to their full height capacity in less than 60 seconds. There are dual-fuel and diesel models available. Weight range capacities vary from 500 lbs. to 1000 lbs. and speed is adjustable. Boom lifts can fit through tiny spaces and there are 4WD options on the market. Telescopic booms are common in a variety of settings due to their ability to combine height and reach. Jib Boom lifts that have an extension between the platform and the end of the primary boom are called the jib. Certain models offer an additional articulation point or hinge that allows the platform to travel horizontally and vertically. Jibs are an option on many telescoping and articulating boom lifts. There is an articulation point available on certain models situated halfway between the platform and the wheels to allow the machine to reach over an obstacle and be lowered again if needed. Genie Articulating Boom Lifts A popular type of articulating boom lift manufactured on the market is the Genie Z-boom Model. This model features excellent mobility and is capable of accessing hard to reach areas. The machine can lift up, over and out with ease, making difficult locations easy to work with. The first Genie Z-30/20 articulating Z-boom model was launched in 1985. Thanks to their "up an over" abilities, they have gained the ultimate popularity that continues today. Proper

Safety Measures Of course, safety is the highest priority when operating any type of boom lift. All known safety hazards must be known to anyone working within the vicinity. Safely operating the equipment is a top priority for the operator and everyone in the working environment. Before starting the boom lift, it is paramount that the proper safety gear and communication is in place. Prior to operating, ensure there are no open flames, combustible or flammable items, lit cigarettes, battery gases or engine fuels present. Have a properly mounted, accessible and visible fire extinguisher mounted within reach. It is important to maintain a clean work space around charging stations and work surfaces since clutter or tools could puncture tires or damage the machine or its components.

Daily Maintenance It is important to conduct a visual inspection prior to operating and to consult the maintenance manual to ensure everything is up to date. Lifting and supportive devices need to stabilize the weight on hand. Chains, fasteners and straps need to be inspected regularly to ensure they are in optimum condition. It is very dangerous to reuse single use fasteners and other components as they might fail if used beyond their recommendations. Environmental contamination can be prevented by properly discarding oils safely in an approved container. Adequate ventilation and lighting are essential in garages, workshops and along workbenches. To organize and specify, maintenance is categorized into a variety of subsections including Annual Maintenance, Quarterly Maintenance, Programmed and Commissioning Maintenance Intervals.

Maintenance Inspection Report Key components of the boom lift are divided up to categorize the inspection process. Common maintenance categories include Control and Function, Turntable, Booms, Platform, Drive Chassis and Engine. Improperly conducting maintenance can lead to unsafe working conditions, damaged components, reduced performance and ultimately downtime. The maintenance inspection report extend the performance and service life of the machine and needs to be accurately maintained to ensure the machine is safe to run and that the machine is capable of performing properly. A list of single maintenance procedures that need to be conducted at 50-hour and 150-hour intervals is known as commissioning. Annual and Quarterly maintenance procedures need to be performed once or multiple times a year. Maintenance procedures are based on the operating hours of the boom lift and programmed maintenance may be conducted during pre-delivery machine preparation. Consult your maintenance manual prior to operating to ensure all oil changes, battery life and fluid levels are primed for success.