

Boomlift / Manlift

Used Boom Lift Victorville - 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. Warehouses, companies, contractors and retail operations and more rely on boom lifts on a daily basis. Staying safe while working at high altitude is essential for daily success. The material handling industry offers many boom lift models. A single operator can control a variety of boom lift models. Boom lifts are beloved in the agricultural and orchard industries, used to harvest fruit without requiring a separate ladder, they keep workers much safer since there is not climbing or bucket balancing involved. 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. Harvesting fruit is much safer and simpler with a boom lift compared to using a ladder.

Gaining Access Over Obstacles Some boom lift models can move up and over obstacles, making them ideal for working over top of items safely and efficiently. Having the capacity to reach an object even when you are unable to maneuver the equipment directly underneath has a variety of applications including window cleaning, telephone pole and line installation and service, fixing overhead cables and numerous other industries. With a variety of joints allowing the machine to bend over or under items, the articulated boom lift is helpful for numerous applications. To enable operators to access many places, these sections of the boom lift can move independently. 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 These boom lifts are popular for numerous construction and maintenance jobs. They provide a vital piece to the fleet for servicing power lines and overhead wires. Certain models are outfitted with water cannons to be used in firefighting applications. Telescoping sections are available on certain models to extend reach to the maximum. There are articulating boom lifts complete with an additional jib that allows the platform to extend an extra 6 feet in any direction. The nickname "spiders" has been given to these boom lifts due to their legs which can support the machine on rough or steep terrain. Smaller units called interior articulating boom lifts are capable of fitting through doorways, making them valuable in retail, warehousing and storage facilities. Electric boom lifts are common for interior jobs due to their quieter options and lack of unhealthy carbon monoxide exhaust.

Telescopic Boom Lifts Articulating boom lifts and telescopic boom lifts move differently from each other. These models extend upwards and outwards, relying on hydraulics that extend and retract. The operator who is situated in the platform has the controls to operate and extend the lift on their own. Certain larger and taller models feature a jib located close to the top similar to an articulating boom lift model. Some models of boom lifts can achieve a reach of more than 180 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. Adjustable speed, along with varying weight range capacities from 500 to 1000 lbs. are available in dual-fuel and diesel options. 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 Certain boom lift models have a jib or an extension located between the platform and the end of the main boom. This enables extra reach and another articulation point or hinge for the platform to move side-to-side or up-and-down. Jibs are available on telescoping boom lifts 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 The Genie Z-boom model is a common kind of articulating boom lift that can be found on the market. This unit offers exceptional versatility for accessing difficult to reach locations with the capacity to lift up, over and out with precision. The first articulating Genie Z-30/20 boom was launched in 1985. These machines became

immediately popular with their up-and-over design that continues to make them sought after nowadays.

Proper Safety Measures

When operating any type of industrial equipment, safety is first and foremost. Safety hazards must be advertised to everyone who is working in the area for best practices. Safely operating the equipment is a top priority for the operator and everyone in the working environment. Proper safety gear and communication need to be completed prior to operating. Be aware of any battery gases, engine fuels, combustible items, lit cigarettes or open flames near the machine and do not operate if any flammable or combustible items are 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

Daily maintenance includes a visual inspection and consulting the maintenance manual to ensure the machine is up to date and will operate safely. These industrial machines rely on lifting and supportive mechanisms to stabilize the weight. Straps, fasteners and chains need to be checked they are in good condition. Single use components and fasteners cannot be reused due to their risk of failure. Discarded solvents and oils must be disposed of safely and in an approved container to prevent environmental contamination. Safety can be increased with proper lighting and adequate ventilation along workbenches and within workshops and garages. Maintenance is broad and typically categorized into subsections including Quarterly Maintenance, Annual Maintenance, Commissioning and Programmed Maintenance Intervals.

Maintenance Inspection Report

Key components of the boom lift are divided up to categorize the inspection process. Popular categories include Engine, Drive Chassis, Platform, Booms, Turntable, Controls and Function. Improper completion can result in unsafe operation, damage to components, poor performance and downtime. The maintenance inspection report is an essential component to keeping the machine operable and the staff safe while extending the service life and overall performance of the machine. The term commissioning refers to a list of single maintenance procedures that need to be completed at 50- and 150-hour intervals to keep the machine optimally running. Quarterly and annual maintenance is required to be performed throughout the year. There are a variety of programmed maintenance procedures based on preparing the machine for pre-delivery machine operating. Set yourself up for success by consulting your maintenance manual before operating the equipment to ensure battery life, oil changes and fluid levels are ready to go.