

Boomlift / Manlift

Used Boom Lift Rancho Cucamonga - In terms of popular aerial machinery, the boom lift is one of the most recognizable. Commonly known as aerial work platforms, mobile elevating work platforms, cherry pickers, aerial devices and elevating work platforms, it was engineered to complete work at higher locations more efficient and easier. Many industries rely on boom lifts every day including retail locations, construction contractors, companies and warehouses. Workers need to remain safe as they access locations at higher altitudes. There is a wide variety of boom lift models to choose from. Many models are capable of being operated by a single individual. 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. Relying on a boom lift is an easier and safer way to reach tree tops. 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. Articulated boom lifts are comprised of many joints that allow the machine to bend under or over obstacles. To enable operators to access many places, these sections of the boom lift can move independently. Articulated booms feature a tight turning radius, making them ideal for hallways and narrow storage corridors. 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. These machines are often seen servicing overhead wires and power lines. Firefighters even rely on them and some models feature water cannons. Some models are built for extended reach applications and outfitted with telescoping sections. Certain articulating boom lifts can extend an additional six feet in any direction thanks to the additional jib in their design. These boom lifts go by the nickname of “spiders,” since their legs can support the entire machine on steep or difficult 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 Telescopic boom lifts do not bend the way articulating boom lifts do. These units use hydraulics to retract and extend outwards and upwards. No second operator is required as the platform operator can extend the lift with the controls. Certain larger and taller models feature a jib located close to the top 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 The jib is the extension found at the end of the main boom and between the platform. 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. Articulating boom lifts have a joint found approximately halfway between the platform and the wheels to allow it to reach over obstacles. The operator can lower the machine again afterward if required. Genie Articulating Boom Lifts A well known articulating boom lift that can be seen in a variety of applications is the Genie Z-boom. This unit offers exceptional versatility for accessing difficult to reach locations with the capacity to lift up, over and out with precision. 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 Safety is the utmost priority when operating any kind of boom lift. 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. Before operating the machine, effective communication and essential safety gear need to be in place. Ensure there are no flammable or combustible items, open flame or lit cigarettes near the machine, engine fuels or battery gases. It is important to have an accessible, securely mounted and visible fire extinguisher mounted within the operators' reach. Keep work surfaces and charging stations clean and free from clutter or tools that could puncture the 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. Single-use fasteners and components must not be reused as they may fail and become extremely dangerous. 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. 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 Main aspects of the boom lift are categorized and divided to facilitate the inspection process. Some of the maintenance categories for the boom lift include the Engine, Platform, Controls and Function, Turntable, Booms and Drive Chassis. 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. Commissioning refers to a list of one-time maintenance procedures to be complete at 50 hours and at 150 hour intervals. 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.