

Boomlift / Manlift

Used Boom Lift Burbank - The boom lift is one of the most popular kinds of aerial machinery. 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. There are many places to find boom lifts at work including warehouses, contractors, various companies and in retail stores. Keeping workers safe as they access conditions in a higher altitude is priceless. There are numerous models of boom lifts available in the industry. Most boom lifts can be successfully run with a single operator. This equipment became popular in the orchard industry to harvest fruit without having to climb a ladder and balance heavy baskets or pails. It can be difficult to secure a ladder on farmland or in orchard settings. 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. Boom lifts can reach items even when it is impossible to move the machine right underneath the area you are working in, making it possible to fix overhead cables within telephone line and pole installation, window cleaning applications and similar circumstances.

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. Articulated booms feature a tight turning radius, making them ideal for hallways and narrow storage corridors. Dual-fuel models can work both inside and outside. Diesel versions are best suited outside and electric models are preferred for interior environments.

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. Some articulating boom lift models have an extra jib to enable their platform to reach six feet further in any direction. These boom lifts go by the nickname of "spiders," since their legs can support the entire machine on steep or difficult terrain. Interior articulating boom lifts are smaller and able to fit through doorways for use inside storage, warehouse and retail capacities. Interior models are typically electric boom lifts due to their lack of dangerous carbon monoxide exhaust and quieter features.

Telescopic Boom Lifts Designed otherwise, telescopic boom lift models bend differently from articulating boom lifts. 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 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. This equipment has been designed to be reliable and stable, with certain models capable of reaching their extended height in less than a minute. There are diesel and dual-fuel options with adjustable speed and weight range options from five hundred to one thousand pounds. With 4WD options and their capacity to travel through small spaces, boom lifts are used in a variety of industries. Telescopic boom lifts are your best choice for combining reach and height.

Jib Certain boom lift models have a jib or an extension located between the platform and the end of the main boom. Certain models offer an additional articulation point or hinge that allows the platform to travel horizontally and vertically. Articulating boom lifts and telescoping boom lifts may have jibs. 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 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 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 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. 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. It is important to have an accessible, securely mounted and visible fire extinguisher mounted within the operators' 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 Before engaging in activity, it is vital to do a visual inspection and consult the maintenance records to make sure all items are up to date and safe prior to operation. Lifting and supportive devices need to stabilize the weight on hand. Straps, fasteners and chains need to be checked they are in good condition. Single-use fasteners and components must not be reused as they may fail and become extremely dangerous. It is vital to discard oils and solvents safely and efficiently to prevent contaminating the environment. 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 Key components of the boom lift are divided up to categorize the inspection process. Some of the maintenance categories for the boom lift include the Engine, Platform, Controls and Function, Turntable, Booms and Drive Chassis. Not complying with routine maintenance can put the operator at a huge safety risk, lead to damaged components, terrible performance and preventable 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. 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. Programmed maintenance procedures are completed based on machine operating hours or during "pre-delivery" preparation. 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.