

## Boomlift / Manlift

Used Boom Lift Modesto - The boom lift is one of the most popular kinds of aerial machinery. Boom lifts go by numerous names including cherry pickers, elevating work platforms, aerial platforms, aerial devices and mobile elevating work platforms; created to conduct jobs at higher elevations. 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 is a wide variety of boom lift models to choose from. 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. 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 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. The articulated boom lift is an example that has numerous joints enabling it to bend over or under items. 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. There are dual-fuel models that can work inside and outside; diesel is best utilized outside while interior locations rely on electric models. 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. Some models are built for extended reach applications and outfitted with telescoping sections. 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. Capable of fitting through doorways, interior articulating boom lifts are more compact and used commonly in storage, retail and warehousing applications. 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. The worker who is in the platform has the controls to extend the lift and is able to operate without a second worker. Certain larger units feature a jib located at the top that looks similar to an articulating boom lift model. There are models on the market capable of reaching over 180 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. Adjustable speed, along with varying weight range capacities from 500 to 1000 lbs. are available in dual-fuel and diesel options. With 4WD options and their capacity to travel through small spaces, boom lifts are used in a variety of industries. In terms of combining height and reach, telescopic boom lifts are your best bet. Jib Certain boom lift models have a jib or an extension located between the platform and the end of the main boom. This design facilitates an extra hinge or articulation point to enable the platform to move up and down or horizontally. 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 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 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 Of course, safety is

the highest priority when operating any type of boom lift. Safety hazards must be advertised to everyone who is working in the area for best practices. Safe operation of the machine and personal safety must be paramount. 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. It is important to have an accessible, securely mounted and visible fire extinguisher mounted within the operators' reach. Maintaining a clear area around charging stations and work surfaces is important as tools or clutter could damage the boom lift or cause tire punctures etc. 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. 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 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. Typically the wide umbrella of maintenance is distinguished by subsections such as Commissioning and Programmed Maintenance Intervals, Annual Maintenance, and Quarterly Maintenance. Maintenance Inspection Report Main aspects of the boom lift are categorized and divided to facilitate the inspection process. Common maintenance categories include Control and Function, Turntable, Booms, Platform, Drive Chassis and Engine. Improper completion can result in unsafe operation, damage to components, poor performance and downtime. A large part of keeping the boom lift secure and operational is the maintenance inspection report that ensures the operator is safe and monitors the machine's performance and service. 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. Consult your maintenance manual prior to operating to ensure all oil changes, battery life and fluid levels are primed for success.