

## Boomlift / Manlift

Used Boom Lift Santa Clara - 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. Staying safe while working at high altitude is essential for daily success. The material handling industry offers many boom lift models. 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. 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. The articulated boom sections can move independently to grant operators access to many locations. This equipment is popular in narrow storage locations and hallways thanks to its' tight turning radius. 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. Maximum reach can be attained with telescoping boom sections on certain models. Certain articulating boom lifts can extend an additional six feet in any direction thanks to the additional jib in their design. The nickname "spiders" has been given to these boom lifts due to their legs which can support the machine on rough or steep terrain. Interior articulating boom lifts are smaller and able to fit through doorways for use inside storage, warehouse and retail capacities. 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. Instead, they extend outwards and upwards with hydraulics that retract and extend. 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. 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. There are diesel and dual-fuel options with adjustable speed and weight range options from five hundred to one thousand pounds. 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. This enables extra reach and another articulation point or hinge for the platform to move side-to-side or up-and-down. Jibs are an option on many telescoping and articulating boom lifts. Articulating models have a joint situated roughly halfway between the wheels and the platform to enable it to reach over an obstacle and then lower again if required. Genie Articulating Boom Lifts A popular type of articulating boom lift manufactured on the market is the Genie Z-boom Model. 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. All known safety hazards must be known to anyone working within the vicinity. Operating the equipment safely is vital for the operator and everyone in the vicinity. 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. For the ultimate safety, it is important to have a visible, safely mounted and accessible fire extinguisher 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. 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. 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 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. There is quarterly and annual maintenance protocol that is conducted once or many times during the 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.