

## Boomlift / Manlift

Used Boom Lift San Jose - 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. Staying safe while working at high altitude is essential for daily success. 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. Since ladders require even, solid ground for setting them up safely, they can be unreliable in the agricultural industry. 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. With a variety of joints allowing the machine to bend over or under items, the articulated boom lift is helpful for numerous applications. These sections can independently move to allow workers to gain access to a variety of places. This equipment is popular in narrow storage locations and hallways thanks to its' tight turning radius. 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 Articulated boom lifts are commonly found on construction sites and used in maintenance applications. Articulated boom lifts are utilized commonly for working on overhead power lines and 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. These boom lifts go by the nickname of "spiders," since their legs can support the entire machine on steep or difficult 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 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 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. There are dual-fuel and diesel models available. Weight range capacities vary from 500 lbs. to 1000 lbs. and speed is adjustable. Available in 4WD and the ability to fit through small spaces. 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 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. 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 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. In 1985, the first Genie Z-30/20 articulating Z-boom was introduced; their up-and-over capacity make them instantly popular and this design continues today. Proper Safety Measures When operating any type of industrial equipment, safety is first and foremost. It is essential

that all potential safety hazards are known to anyone working within the area to maintain a safe atmosphere. 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. 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 Daily maintenance includes a visual inspection and consulting the maintenance manual to ensure the machine is up to date and will operate safely. 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 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. 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 The boom lift components are divided and categorized to streamline the process of inspection. Popular categories include Engine, Drive Chassis, Platform, Booms, Turntable, Controls and Function. 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. Consult your maintenance manual prior to operating to ensure all oil changes, battery life and fluid levels are primed for success.