

## Boomlift / Manlift

Used Boom Lift Hayward - 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. Warehouses, companies, contractors and retail operations and more rely on boom lifts on a daily basis. 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. Many models are capable of being operated by a single individual. This machine is popular for harvesting fruit in locations such as orchards that historically relied on climbing dangerous ladders. Since ladders require even, solid ground for setting them up safely, they can be unreliable in the agricultural industry. Boom lifts make it much easier to reach high tree tops for collecting fruit. 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. 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. With a variety of joints allowing the machine to bend over or under items, the articulated boom lift is helpful for numerous applications. The articulated boom sections can move independently to grant operators access to many locations. Famous for their tight turning radius, articulated booms offer an ideal solution for narrow hallways and storage facilities. 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 Articulated boom lifts are commonly found on construction sites and used in maintenance applications. They provide a vital piece to the fleet for servicing power lines and overhead wires. Firefighters may use these machines and some articulated boom lifts have water cannons. Maximum reach can be attained with telescoping boom sections on certain models. There are articulating boom lifts complete with an additional jib that allows the platform to extend an extra 6 feet in any direction. Since these machines commonly work on steep ground and rough terrain, they resemble “spiders” with their long legs, and often go by that nickname on the job site. Smaller units called interior articulating boom lifts are capable of fitting through doorways, making them valuable in retail, warehousing and storage facilities. Interior models are typically electric boom lifts due to their lack of dangerous carbon monoxide exhaust and quieter features. Telescopic Boom Lifts Telescopic boom lifts do not bend the way articulating boom lifts do. 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. There are models on the market capable of reaching over 180 feet. In less than a minute, some models can reach their full extended height since these machines are so stable and reliable. 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. In terms of combining height and reach, telescopic boom lifts are your best bet. Jib The jib is the extension found at the end of the main boom and between the platform. 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. 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. Designed to provide the most versatility in difficult to access spaces, this model has the capacity to lift up, over and out with superior positioning. 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 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. Safely operating the equipment is a top priority for the operator and everyone in the working environment. Proper safety gear and communication need to be completed prior to operating. 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. 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. These industrial machines rely on lifting and supportive mechanisms to stabilize the weight. Fasteners, straps and chains must be regularly checked to make sure they are safe working order. 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. Workbenches and workshop or garage areas need to have adequate lighting and ventilation. 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 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. 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. A list of single maintenance procedures that need to be conducted at 50-hour and 150-hour intervals is known as commissioning. Quarterly and annual maintenance is required to be performed throughout the 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.