

Boomlift / Manlift

Used Boom Lift Seattle - 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. Keeping workers safe as they access conditions in a higher altitude is priceless. The material handling industry offers many boom lift models. Most boom lifts can be successfully run with a single operator. 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. 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. Having the capacity to reach an object even when you are unable to maneuver the equipment directly underneath has a variety of applications including window cleaning, telephone pole and line installation and service, fixing overhead cables and numerous other industries. 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. This equipment is popular in narrow storage locations and hallways thanks to its' tight turning radius. 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. 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. 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 and taller models feature a jib located close to the top similar to an articulating boom lift model. Some models of boom lifts can achieve a reach of more than 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. 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. Certain models offer an additional articulation point or hinge that allows the platform to travel horizontally and vertically. 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 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 Safety is the utmost

priority when operating any kind of boom lift. 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. Before operating the machine, effective communication and essential safety gear need to be in place. Prior to operating, ensure there are no open flames, combustible or flammable items, lit cigarettes, battery gases or engine fuels present. For the ultimate safety, it is important to have a visible, safely mounted and accessible fire extinguisher 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. 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 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. 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. 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. Maintenance procedures are based on the operating hours of the boom lift and programmed maintenance may be conducted during pre-delivery machine 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.