

Boomlift / Manlift

Used Boom Lift El Monte - In terms of popular aerial machinery, the boom lift is one of the most recognizable. Also referred to as elevating work platforms, aerial devices, cherry pickers, mobile elevating work platforms and aerial work platforms, boom lifts are capable of completing jobs at higher elevations easily and efficiently. 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 are numerous models of boom lifts available in the industry. A single operator can control a variety of boom lift models. This machine is popular for harvesting fruit in locations such as orchards that historically relied on climbing dangerous ladders. It can be difficult to secure a ladder on farmland or in orchard settings. 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. The articulated boom lift is an example that has numerous joints enabling it to bend over or under items. To enable operators to access many places, these sections of the boom lift can move independently. Articulated booms feature a tight turning radius, making them ideal for hallways and narrow storage corridors. 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 Popular for maintenance jobs and construction, articulating boom lifts are a useful piece of material handling equipment. 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. 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. Capable of fitting through doorways, interior articulating boom lifts are more compact and used commonly in storage, retail and warehousing applications. Interior models are typically electric boom lifts due to their lack of dangerous carbon monoxide exhaust and quieter features. Telescopic Boom Lifts Designed otherwise, telescopic boom lift models bend differently from articulating boom lifts. Instead, they extend outwards and upwards with hydraulics that retract and extend. 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. Boom lifts are available that reach higher than one-hundred and eighty feet. In less than a minute, some models can reach their full extended height since these machines are so stable and reliable. 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 boom lifts are your best choice for combining reach and height. 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 available on telescoping boom lifts 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 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. 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 Safety is the utmost priority when operating any kind of boom lift. It is essential that all potential

safety hazards are known to anyone working within the area to maintain a safe atmosphere. 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. 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. Keep work surfaces and charging stations clean and free from clutter or tools that could puncture the tires or damage the machine or its components. 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. Stabilizing the weight is accomplished supportive devices to lift and distribute the load. 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. 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. Maintenance is broad and typically categorized into subsections including Quarterly Maintenance, Annual Maintenance, Commissioning and Programmed Maintenance Intervals. Maintenance Inspection Report Main aspects of the boom lift are categorized and divided to facilitate the inspection process. Some of the maintenance categories for the boom lift include the Engine, Platform, Controls and Function, Turntable, Booms and Drive Chassis. Not complying with routine maintenance can put the operator at a huge safety risk, lead to damaged components, terrible performance and preventable 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. 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.