

Boomlift / Manlift

Used Boom Lift Chula Vista - One of the commonest types of industrial equipment and aerial equipment is the boom lift. 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. Warehouses, companies, contractors and retail operations and more rely on boom lifts on a daily basis. Staying safe while working at high altitude is essential for daily success. There is a wide variety of boom lift models to choose from. 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. 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. 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. 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. Articulated boom lifts are utilized commonly for working on overhead power lines and wires. Firefighters even rely on them and some models feature water cannons. Some models are built for extended reach applications and outfitted with telescoping sections. Some articulating boom lift models have an extra jib to enable their platform to reach six feet further 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. Interior articulating boom lifts are smaller and able to fit through doorways for use inside storage, warehouse and retail capacities. 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. These units use hydraulics to retract and extend outwards and upwards. The worker who is in the platform has the controls to extend the lift and is able to operate without a second worker. Some taller and larger models have a jib situated near the top that is 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 diesel and dual-fuel options with adjustable speed and weight range options from five hundred to one thousand pounds. Available in 4WD and the ability to fit through small spaces. Telescopic boom lifts are your best choice for combining reach and height. 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 available on telescoping boom lifts 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. 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. Safety

hazards must be advertised to everyone who is working in the area for best practices. 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. Prior to operating, ensure there are no open flames, combustible or flammable items, lit cigarettes, battery gases or engine fuels present. Have a properly mounted, accessible and visible fire extinguisher mounted within 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 It is important to conduct a visual inspection prior to operating and to consult the maintenance manual to ensure everything is up to date. Lifting and supportive devices need to stabilize the weight on hand. Chains, fasteners and straps need to be inspected regularly to ensure they are in optimum condition. It is very dangerous to reuse single use fasteners and other components as they might fail if used beyond their recommendations. It is vital to discard oils and solvents safely and efficiently to prevent contaminating the environment. Workbenches and workshop or garage areas need to have adequate lighting and ventilation. 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 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. 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. Commissioning refers to a list of one-time maintenance procedures to be complete at 50 hours and at 150 hour intervals. 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. Prior to operating your equipment, check your maintenance manual to make sure all of the fluid levels, oil changes, battery life and maintenance are up to date.