

## **Boomlift / Manlift**

Used Boom Lift Stockton - The boom lift is one of the most popular kinds of aerial machinery. 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. 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 is a wide variety of boom lift models to choose from. A single operator can control a variety of boom lift models. Boom lifts are beloved in the agricultural and orchard industries, used to harvest fruit without requiring a separate ladder, they keep workers much safer since there is not climbing or bucket balancing involved. Ladders need to be secured on solid, even ground in order to be safely accessible, making them hard to rely on in a natural orchard setting. Boom lifts make it much easier to reach high tree tops for collecting fruit.

**Gaining Access Over Obstacles** Boom lifts make working over top of obstacle much easier as many models have been engineered to travel up and over items. 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. Articulated booms feature a tight turning radius, making them ideal for hallways and narrow storage corridors. 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. These machines are often seen servicing overhead wires and power lines. Firefighters may use these machines and some articulated boom lifts have water cannons. Telescoping sections are available on certain models to extend reach to the maximum. 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. Smaller units called interior articulating boom lifts are capable of fitting through doorways, making them valuable in retail, warehousing and storage facilities. Electric models are preferred in interior situations due to the danger that carbon monoxide exhaust poses and how much quieter these models are.

**Telescopic Boom Lifts** Designed otherwise, telescopic boom lift models bend differently from articulating boom lifts. These models extend upwards and outwards, relying on hydraulics that extend and retract. No second operator is required as the platform operator can extend the lift with the controls. Some taller and larger models have a jib situated near the top that is 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. Adjustable speed, along with varying weight range capacities from 500 to 1000 lbs. are available in dual-fuel and diesel options. With 4WD options and their capacity to travel through small spaces, boom lifts are used in a variety of industries. Telescopic booms are common in a variety of settings due to their ability to combine height and reach.

**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 telescopic 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 model features excellent mobility and is capable of accessing hard to reach areas. The machine can lift up, over and out with ease, making difficult locations easy to work with. 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. It is essential that all potential safety hazards are known to anyone working within the area to maintain a safe atmosphere. Safe operation of the machine and personal safety must be paramount. 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. 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 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. Stabilizing the weight is accomplished supportive devices to lift and distribute the load. Chains, fasteners and straps need to be inspected regularly to ensure they are in optimum condition. Single-use fasteners and components must not be reused as they may fail and become extremely dangerous. 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 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. Improperly conducting maintenance can lead to unsafe working conditions, damaged components, reduced performance and ultimately 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. Annual and Quarterly maintenance procedures need to be performed once or multiple times a year. There are a variety of programmed maintenance procedures based on preparing the machine for pre-delivery machine operating. 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.