

## Boomlift / Manlift

Used Boom Lift Connecticut - 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. 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 are numerous models of boom lifts available in the industry. 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. 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. 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.

**Articulated boom lifts** are comprised of many joints that allow the machine to bend under or over obstacles. To enable operators to access many places, these sections of the boom lift can move independently. 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** These boom lifts are popular for numerous construction and maintenance jobs. These machines are often seen servicing overhead wires and power lines. Firefighters even rely on them and some models feature water cannons. Telescoping sections are available on certain models to extend reach to the maximum. 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. 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. These models extend upwards and outwards, relying on hydraulics that extend and retract. 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. Some models of boom lifts can achieve a reach of more than 180 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. Boom lifts can fit through tiny spaces and there are 4WD options on the market. Telescopic booms are common in a variety of settings due to their ability to combine height and reach.

**Jib** The jib is the extension found at the end of the main boom and between the platform. This design facilitates an extra hinge or articulation point to enable the platform to move up and down or horizontally. 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 popular type of articulating boom lift manufactured on the market is the Genie Z-boom Model. 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. Safety hazards must be advertised to everyone who is working in the area for

best practices. Operating the equipment safely is vital for the operator and everyone in the vicinity. Before operating the machine, effective communication and essential safety gear need to be in place. Be aware of any battery gases, engine fuels, combustible items, lit cigarettes or open flames near the machine and do not operate if any flammable or combustible items are present. 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 It is important to conduct a visual inspection prior to operating and to consult the maintenance manual to ensure everything is up to date. These industrial machines rely on lifting and supportive mechanisms to stabilize the weight. Chains, fasteners and straps need to be inspected regularly to ensure they are in optimum condition. Single use components and fasteners cannot be reused due to their risk of failure. 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. 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. The term commissioning refers to a list of single maintenance procedures that need to be completed at 50- and 150-hour intervals to keep the machine optimally running. There is quarterly and annual maintenance protocol that is conducted once or many times during the 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.