

## Boomlift / Manlift

Used Boom Lift Maine - 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. There are many places to find boom lifts at work including warehouses, contractors, various companies and in retail stores. Keeping workers safe as they access conditions in a higher altitude is priceless. There are numerous models of boom lifts available in the industry. Many models are capable of being operated by a single individual. 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. 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. 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. This equipment is popular in narrow storage locations and hallways thanks to its' tight turning radius. The dual-fuel boom lifts provide service in both exterior and interior locations. Diesel models are used outside while electric boom lifts are implemented in interior locations. Articulating Boom Lifts These boom lifts are popular for numerous construction and maintenance jobs. 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. The nickname "spiders" has been given to these boom lifts due to their legs which can support the machine on rough or steep terrain. Interior articulating boom lifts are smaller and able to fit through doorways for use inside storage, warehouse and retail capacities. 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. 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 and taller models feature a jib located close to the top similar to an articulating boom lift model. Boom lifts are available that reach higher than one-hundred and eighty 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. With 4WD options and their capacity to travel through small spaces, boom lifts are used in a variety of industries. 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. This enables extra reach and another articulation point or hinge for the platform to move side-to-side or up-and-down. Jibs are an option on many telescoping and articulating boom lifts. Articulating boom lifts have a joint found approximately halfway between the platform and the wheels to allow it to reach over obstacles. The operator can lower the machine again afterward if required. Genie Articulating Boom Lifts A popular type of articulating boom lift manufactured on the market is the Genie Z-boom Model. 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 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** Of course, safety is the highest priority when operating any type of boom lift. All known safety hazards must be known to anyone working within the vicinity. Operating the equipment safely is vital for the operator and everyone in the vicinity. Before starting the boom lift, it is paramount that the proper safety gear and communication is 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. Have a properly mounted, accessible and visible fire extinguisher mounted within 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** Daily maintenance includes a visual inspection and consulting the maintenance manual to ensure the machine is up to date and will operate safely. Lifting and supportive devices need to stabilize the weight on hand. Fasteners, straps and chains must be regularly checked to make sure they are safe working order. 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. 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. Some of the maintenance categories for the boom lift include the Engine, Platform, Controls and Function, Turntable, Booms and Drive Chassis. 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. 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. 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.