

Boomlift / Manlift

Used Boom Lift Iowa - 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. 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. The material handling industry offers many boom lift models. Many models are capable of being operated by a single individual. This equipment became popular in the orchard industry to harvest fruit without having to climb a ladder and balance heavy baskets or pails. 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 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. Articulated boom lifts are comprised of many joints that allow the machine to bend under or over obstacles. 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. 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 These boom lifts are popular for numerous construction and maintenance jobs. Articulated boom lifts are utilized commonly for working on overhead power lines and wires. 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. Some articulating boom lift models have an extra jib to enable their platform to reach six feet further 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. 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 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. Certain larger units feature a jib located at the top that looks similar to an articulating boom lift model. There are models on the market capable of reaching over 180 feet. In less than a minute, some models can reach their full extended height since these machines are so stable and reliable. There are diesel and dual-fuel options with adjustable speed and weight range options from five hundred to one thousand pounds. 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 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. 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. 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 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. Safe operation of the machine and personal safety must be paramount. Before starting the boom lift, it is paramount that the proper safety gear and communication is in place. Ensure there are no flammable or combustible items, open flame or lit cigarettes near the machine, engine fuels or battery gases. Have a properly mounted, accessible and visible fire extinguisher mounted within reach. It is important to maintain a clean work space around charging stations and work surfaces since clutter or tools could puncture 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. Lifting and supportive devices need to stabilize the weight on hand. 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. 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 Main aspects of the boom lift are categorized and divided to facilitate the inspection process. Popular categories include Engine, Drive Chassis, Platform, Booms, Turntable, Controls and Function. Not complying with routine maintenance can put the operator at a huge safety risk, lead to damaged components, terrible performance and preventable downtime. The maintenance inspection report extend the performance and service life of the machine and needs to be accurately maintained to ensure the machine is safe to run and that the machine is capable of performing properly. A list of single maintenance procedures that need to be conducted at 50-hour and 150-hour intervals is known as commissioning. There is quarterly and annual maintenance protocol that is conducted once or many times during the year. Maintenance procedures are based on the operating hours of the boom lift and programmed maintenance may be conducted during pre-delivery machine 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.