

Boomlift / Manlift

Used Boom Lift Salem - In terms of popular aerial machinery, the boom lift is one of the most recognizable. Also referred to as elevating work platforms, aerial devices, cherry pickers, mobile elevating work platforms and aerial work platforms, boom lifts are capable of completing jobs at higher elevations easily and efficiently. 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. There is a wide variety of boom lift models to choose from. 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. Since ladders require even, solid ground for setting them up safely, they can be unreliable in the agricultural industry. Relying on a boom lift is an easier and safer way to reach tree tops.

Gaining Access Over Obstacles Certain boom lifts are designed to move up and over items. This makes working over obstacles possible. 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. Famous for their tight turning radius, articulated booms offer an ideal solution for narrow hallways and storage facilities. 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. 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. 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 boom lifts are common for interior jobs due to their quieter options and lack of unhealthy carbon monoxide exhaust.

Telescopic Boom Lifts Telescopic boom lifts do not bend the way articulating boom lifts do. 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. 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. 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. In terms of combining height and reach, telescopic boom lifts are your best bet.

Jib Certain boom lift models have a jib or an extension located between the platform and the end of the main boom. This enables extra reach and another articulation point or hinge for the platform to move side-to-side or up-and-down. Jibs are available on telescoping 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 A well known articulating boom lift that can be seen in a variety of applications is the Genie Z-boom. 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 When operating any type of industrial equipment, safety is first and foremost. All known safety hazards must be

known to anyone working within the vicinity. 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. Prior to operating, ensure there are no open flames, combustible or flammable items, lit cigarettes, battery gases or engine fuels present. For the ultimate safety, it is important to have a visible, safely mounted and accessible fire extinguisher 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. Fasteners, straps and chains must be regularly checked to make sure they are safe working order. 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. Safety can be increased with proper lighting and adequate ventilation along workbenches and within workshops and garages. To organize and specify, maintenance is categorized into a variety of subsections including Annual Maintenance, Quarterly Maintenance, Programmed and Commissioning Maintenance Intervals. Maintenance Inspection Report Key components of the boom lift are divided up to categorize the inspection process. Common maintenance categories include Control and Function, Turntable, Booms, Platform, Drive Chassis and Engine. 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. Maintenance procedures are based on the operating hours of the boom lift and programmed maintenance may be conducted during pre-delivery machine preparation. Consult your maintenance manual prior to operating to ensure all oil changes, battery life and fluid levels are primed for success.