

Boomlift / Manlift

Used Boom Lift Ohio - 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. Workers need to remain safe as they access locations at higher altitudes. The material handling industry offers many boom lift models. A single operator can control a variety of boom lift models. 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. Harvesting fruit is much safer and simpler with a boom lift compared to using a ladder.

Gaining Access Over Obstacles Certain boom lifts are designed to move up and over items. This makes working over obstacles possible. Having the capacity to reach an object even when you are unable to maneuver the equipment directly underneath has a variety of applications including window cleaning, telephone pole and line installation and service, fixing overhead cables and numerous other industries. The articulated boom lift is an example that has numerous joints enabling it to bend over or under items. The articulated boom sections can move independently to grant operators access to many locations. Articulated booms feature a tight turning radius, making them ideal for hallways and narrow storage corridors. 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 Articulated boom lifts are commonly found on construction sites and used in maintenance applications. Articulated boom lifts are utilized commonly for working on overhead power lines and wires. Firefighters even rely on them and some models feature water cannons. Telescoping sections are available on certain models to extend reach to the maximum. 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 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 operator who is situated in the platform has the controls to operate and extend the lift on their own. Certain larger units feature a jib located at the top that looks 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. Available in 4WD and the ability to fit through small spaces. 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. Articulating boom lifts and telescoping boom lifts may have jibs. 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 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. 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 operating the machine, effective communication and essential safety gear need to be 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. 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 It is important to conduct a visual inspection prior to operating and to consult the maintenance manual to ensure everything is up to date. 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 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. 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. Some of the maintenance categories for the boom lift include the Engine, Platform, Controls and Function, Turntable, Booms and Drive Chassis. Improper completion can result in unsafe operation, damage to components, poor performance and 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. 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. Prior to operating your equipment, check your maintenance manual to make sure all of the fluid levels, oil changes, battery life and maintenance are up to date.