

Boomlift / Manlift

Used Boom Lift South Carolina - In terms of popular aerial machinery, the boom lift is one of the most recognizable. Boom lifts go by numerous names including cherry pickers, elevating work platforms, aerial platforms, aerial devices and mobile elevating work platforms; created to conduct jobs at higher elevations. Many industries rely on boom lifts every day including retail locations, construction contractors, companies and warehouses. Staying safe while working at high altitude is essential for daily success. There is a wide variety of boom lift models to choose from. 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. 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. 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. With a variety of joints allowing the machine to bend over or under items, the articulated boom lift is helpful for numerous applications. The articulated boom sections can move independently to grant operators access to many locations. Famous for their tight turning radius, articulated booms offer an ideal solution for narrow hallways and storage facilities. 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. They provide a vital piece to the fleet for servicing power lines and overhead wires. Firefighters even rely on them and some models feature 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. 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. Capable of fitting through doorways, interior articulating boom lifts are more compact and used commonly in storage, retail and warehousing applications. 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. No second operator is required as the platform operator can extend the lift with the controls. 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. In less than a minute, some models can reach their full extended height since these machines are so stable and reliable. There are dual-fuel and diesel models available. Weight range capacities vary from 500 lbs. to 1000 lbs. and speed is adjustable. With 4WD options and their capacity to travel through small spaces, boom lifts are used in a variety of industries. 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. Articulating boom lifts and telescoping boom lifts may have jibs. 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 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. In 1985, the first Genie Z-30/20 articulating Z-boom was introduced; their up-and-over

capacity make them instantly popular and this design continues today. Proper Safety Measures Of course, safety is the highest priority when operating any type of boom lift. It is essential that all potential safety hazards are known to anyone working within the area to maintain a safe atmosphere. Safely operating the equipment is a top priority for the operator and everyone in the working environment. 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. 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 It is important to conduct a visual inspection prior to operating and to consult the maintenance manual to ensure everything is up to date. 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. 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. 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. The maintenance inspection report is an essential component to keeping the machine operable and the staff safe while extending the service life and overall performance of the machine. 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. Consult your maintenance manual prior to operating to ensure all oil changes, battery life and fluid levels are primed for success.