

Boomlift / Manlift

Used Boom Lift Virginia - The boom lift is one of the most popular kinds of aerial machinery. 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. Warehouses, companies, contractors and retail operations and more rely on boom lifts on a daily basis. Staying safe while working at high altitude is essential for daily success. There are numerous models of boom lifts available in the industry. Most boom lifts can be successfully run with a single operator. Boom lifts are beloved in the agricultural and orchard industries, used to harvest fruit without requiring a separate ladder, they keep workers much safer since there is not climbing or bucket balancing involved. Since ladders require even, solid ground for setting them up safely, they can be unreliable in the agricultural industry. 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. Articulated boom lifts are comprised of many joints that allow the machine to bend under or over obstacles. 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 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 even rely on them and some models feature water cannons. Maximum reach can be attained with telescoping boom sections on certain models. Certain articulating boom lifts can extend an additional six feet in any direction thanks to the additional jib in their design. 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. 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 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 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. 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. 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 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 models have a joint situated roughly halfway between the wheels and the platform to enable it to reach over an obstacle and then lower again 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 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. 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 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. For the ultimate safety, it is important to have a visible, safely mounted and accessible fire extinguisher within the operators 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. Stabilizing the weight is accomplished supportive devices to lift and distribute the load. Straps, fasteners and chains need to be checked they are in good condition. It is very dangerous to reuse single use fasteners and other components as they might fail if used beyond their recommendations. Discarded solvents and oils must be disposed of safely and in an approved container to prevent environmental contamination. Safety can be increased with proper lighting and adequate ventilation along workbenches and within workshops and garages. Maintenance is broad and typically categorized into subsections including Quarterly Maintenance, Annual Maintenance, Commissioning and Programmed Maintenance Intervals. Maintenance Inspection Report Main aspects of the boom lift are categorized and divided to facilitate 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. 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. The term commissioning refers to a list of single maintenance procedures that need to be completed at 50- and 150-hour intervals to keep the machine optimally running. Annual and Quarterly maintenance procedures need to be performed once or multiple times a year. Maintenance procedures are based on the operating hours of the boom lift and programmed maintenance may be conducted during pre-delivery machine preparation. 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.