

Boomlift / Manlift

Used Boom Lift Georgia - 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. This machine is popular for harvesting fruit in locations such as orchards that historically relied on climbing dangerous ladders. 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 Some boom lift models can move up and over obstacles, making them ideal for working over top of items safely and efficiently. This equipment is used in numerous industries including installing telephone poles and lines, maintaining overhead cables and window cleaning applications due to their ability to reach items when it is not practical to situate the machine directly underneath the issue. 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. This equipment is popular in narrow storage locations and hallways thanks to its' tight turning radius. Dual-fuel models can work both inside and outside. Diesel versions are best suited outside and electric models are preferred for interior environments. Articulating Boom Lifts Articulated boom lifts are commonly found on construction sites and used in maintenance applications. These machines are often seen servicing overhead wires and power lines. Firefighters may use these machines and some articulated boom lifts have 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. These boom lifts go by the nickname of "spiders," since their legs can support the entire machine on steep or difficult terrain. Capable of fitting through doorways, interior articulating boom lifts are more compact and used commonly in storage, retail and warehousing applications. 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. Instead, they extend outwards and upwards with hydraulics that retract and extend. No second operator is required as the platform operator can extend the lift with the controls. Some taller and larger models have a jib situated near the top that is 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 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. 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 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. 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. 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 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 fasteners and components must not be reused as they may fail and become extremely dangerous. Discarded solvents and oils must be disposed of safely and in an approved container to prevent environmental contamination. 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. Common maintenance categories include Control and Function, Turntable, Booms, Platform, Drive Chassis and Engine. 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. 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. There are a variety of programmed maintenance procedures based on preparing the machine for pre-delivery machine operating. 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.