

Boomlift / Manlift

Used Boom Lift Glendale - 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. 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. There are numerous models of boom lifts available in the industry. 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. 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 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. 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. They provide a vital piece to the fleet for servicing power lines and overhead wires. Firefighters may use these machines and some articulated boom lifts have water cannons. Some models are built for extended reach applications and outfitted with telescoping sections. 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 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. 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. Certain larger units feature a jib located at the top that looks 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 Boom lifts that have an extension between the platform and the end of the primary boom are called the jib. 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. 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. Designed to provide the most versatility in difficult to access spaces, this model has the capacity to lift up, over and out with superior positioning. The first Genie Z-30/20 articulating Z-boom model was launched in 1985. Thanks to their "up an over" abilities, they have gained the ultimate popularity that continues today.

Proper Safety Measures When operating any type of industrial equipment, safety is first and foremost. 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. Proper safety gear and communication need to be completed prior to operating. 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. 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 It is important to conduct a visual inspection prior to operating and to consult the maintenance manual to ensure everything is up to date. These industrial machines rely on lifting and supportive mechanisms to stabilize the weight. Fasteners, straps and chains must be regularly checked to make sure they are safe working order. Single-use fasteners and components must not be reused as they may fail and become extremely dangerous. Environmental contamination can be prevented by properly discarding oils safely in an approved container. 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** Main aspects of the boom lift are categorized and divided to facilitate the inspection process. 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. 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. Quarterly and annual maintenance is required to be performed throughout the 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.