

Boomlift / Manlift

Used Boom Lift Tempe - In terms of popular aerial machinery, the boom lift is one of the most recognizable. Also referred to as elevating work platforms, aerial devices, cherry pickers, mobile elevating work platforms and aerial work platforms, boom lifts are capable of completing jobs at higher elevations easily and efficiently. There are many places to find boom lifts at work including warehouses, contractors, various companies and in retail stores. Keeping workers safe as they access conditions in a higher altitude is priceless. There are numerous models of boom lifts available in the industry. A single operator can control a variety of boom lift models. 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. 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 Some boom lift models can move up and over obstacles, making them ideal for working over top of items safely and efficiently. Boom lifts can reach items even when it is impossible to move the machine right underneath the area you are working in, making it possible to fix overhead cables within telephone line and pole installation, window cleaning applications and similar circumstances. Articulated boom lifts are comprised of many joints that allow the machine to bend under or over obstacles. To enable operators to access many places, these sections of the boom lift can move independently. 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 Popular for maintenance jobs and construction, articulating boom lifts are a useful piece of material handling equipment. 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. 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. These boom lifts go by the nickname of "spiders," since their legs can support the entire machine on steep or difficult terrain. Interior articulating boom lifts are smaller and able to fit through doorways for use inside storage, warehouse and retail capacities. 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 worker who is in the platform has the controls to extend the lift and is able to operate without a second worker. 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. 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 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 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 popular type of articulating boom lift manufactured on the market is the Genie Z-boom Model. 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 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. Safety hazards must be advertised to everyone who is working in the area for best practices. Safe operation of the machine and personal safety must be paramount. Proper safety gear and communication need to be completed prior to operating. Prior to operating, ensure there are no open flames, combustible or flammable items, lit cigarettes, battery gases or engine fuels present. Have a properly mounted, accessible and visible fire extinguisher mounted within 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 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. 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. To organize and specify, maintenance is categorized into a variety of subsections including Annual Maintenance, Quarterly Maintenance, Programmed and Commissioning 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. Commissioning refers to a list of one-time maintenance procedures to be complete at 50 hours and at 150 hour intervals. There is quarterly and annual maintenance protocol that is conducted once or many times during 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.