

Boomlift / Manlift

Used Boom Lift Spokane - One of the commonest types of industrial equipment and aerial equipment is the boom lift. 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. Warehouses, companies, contractors and retail operations and more rely on boom lifts on a daily basis. Keeping workers safe as they access conditions in a higher altitude is priceless. 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. Ladders need to be secured on solid, even ground in order to be safely accessible, making them hard to rely on in a natural orchard setting. Relying on a boom lift is an easier and safer way to reach tree tops. 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. 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. The articulated boom lift is an example that has numerous joints enabling it to bend over or under items. To enable operators to access many places, these sections of the boom lift can move independently. Famous for their tight turning radius, articulated booms offer an ideal solution for narrow hallways and storage facilities. 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. They provide a vital piece to the fleet for servicing power lines and overhead wires. Certain models are outfitted with water cannons to be used in firefighting applications. 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. The nickname "spiders" has been given to these boom lifts due to their legs which can support the machine on rough or steep terrain. Smaller units called interior articulating boom lifts are capable of fitting through doorways, making them valuable in retail, warehousing and storage facilities. Electric boom lifts are common for interior jobs due to their quieter options and lack of unhealthy carbon monoxide exhaust. Telescopic Boom Lifts Articulating boom lifts and telescopic boom lifts move differently from each other. Instead, they extend outwards and upwards with hydraulics that retract and extend. 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 and taller models feature a jib located close to the top 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 diesel and dual-fuel options with adjustable speed and weight range options from five hundred to one thousand pounds. Boom lifts can fit through tiny spaces and there are 4WD options on the market. Telescopic booms are common in a variety of settings due to their ability to combine height and reach. Jib Certain boom lift models have a jib or an extension located between the platform and the end of the main boom. Certain models offer an additional articulation point or hinge that allows the platform to travel horizontally and vertically. 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 The Genie Z-boom model is a common kind of articulating boom lift that can be found on the market. 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 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 Safety is the utmost priority when operating any kind 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. 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. 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 Before engaging in activity, it is vital to do a visual inspection and consult the maintenance records to make sure all items are up to date and safe prior to operation. 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. 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. 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. A large part of keeping the boom lift secure and operational is the maintenance inspection report that ensures the operator is safe and monitors the machine’s performance and service. 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. Programmed maintenance procedures are completed based on machine operating hours or during “pre-delivery” preparation. 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.