

Boomlift / Manlift

Used Boom Lift Fremont - In terms of popular aerial machinery, the boom lift is one of the most recognizable. Commonly known as aerial work platforms, mobile elevating work platforms, cherry pickers, aerial devices and elevating work platforms, it was engineered to complete work at higher locations more efficient and easier. 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. The material handling industry offers many boom lift models. Many models are capable of being operated by a single individual. This equipment became popular in the orchard industry to harvest fruit without having to climb a ladder and balance heavy baskets or pails. 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. 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. 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. Famous for their tight turning radius, articulated booms offer an ideal solution for narrow hallways and storage facilities. 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 Popular for maintenance jobs and construction, articulating boom lifts are a useful piece of material handling equipment. These machines are often seen servicing overhead wires and power lines. Certain models are outfitted with water cannons to be used in firefighting applications. Maximum reach can be attained with telescoping boom sections on certain models. Some articulating boom lift models have an extra jib to enable their platform to reach six feet further in any direction. 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 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. These models extend upwards and outwards, relying on hydraulics that extend and retract. 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. Some models of boom lifts can achieve a reach of more than 180 feet. This equipment has been designed to be reliable and stable, with certain models capable of reaching their extended height in less than a minute. 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. In terms of combining height and reach, telescopic boom lifts are your best bet. Jib Boom lifts that have an extension between the platform and the end of the primary boom are called the jib. This design facilitates an extra hinge or articulation point to enable the platform to move up and down or horizontally. 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. In 1985, the first Genie Z-

30/20 articulating Z-boom was introduced; their up-and-over capacity make them instantly popular and this design continues today. 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. Safe operation of the machine and personal safety must be paramount. 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. 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. Chains, fasteners and straps need to be inspected regularly to ensure they are in optimum condition. Single use components and fasteners cannot be reused due to their risk of failure. It is vital to discard oils and solvents safely and efficiently to prevent contaminating the environment. Adequate ventilation and lighting are essential in garages, workshops and along workbenches. Typically the wide umbrella of maintenance is distinguished by subsections such as Commissioning and Programmed Maintenance Intervals, Annual Maintenance, and Quarterly Maintenance. 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. 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. A list of single maintenance procedures that need to be conducted at 50-hour and 150-hour intervals is known as commissioning. 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. 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.