

Boomlift / Manlift

Used Boom Lift Murrieta - One of the commonest types of industrial equipment and aerial equipment is the boom lift. 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. Staying safe while working at high altitude is essential for daily success. There is a wide variety of boom lift models to choose from. 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. 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. 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. These sections can independently move to allow workers to gain access to a variety of places. 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. 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. Some models are built for extended reach applications and outfitted with telescoping sections. 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. 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 Articulating boom lifts and telescopic boom lifts move differently from each other. These units use hydraulics to retract and extend outwards and upwards. The worker who is in the platform has the controls to extend the lift and is able to operate without a second worker. 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 Boom lifts that have an extension between the platform and the end of the primary boom are called the jib. Certain models offer an additional articulation point or hinge that allows the platform to travel horizontally and vertically. Jibs are an option on many telescoping 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. 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 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. Before starting the boom lift, it is paramount that the proper safety gear and communication is in place. 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. For the ultimate safety, it is important to have a visible, safely mounted and accessible fire extinguisher within the operators reach. It is important to maintain a clean work space around charging stations and work surfaces since clutter or tools could puncture tires or damage the machine or its components. 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. It is very dangerous to reuse single use fasteners and other components as they might fail if used beyond their recommendations. 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. 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 Key components of the boom lift are divided up to categorize the inspection process. Popular categories include Engine, Drive Chassis, Platform, Booms, Turntable, Controls and Function. 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. Commissioning refers to a list of one-time maintenance procedures to be complete at 50 hours and at 150 hour intervals. Quarterly and annual maintenance is required to be performed throughout 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.