

Boomlift / Manlift

Used Boom Lift Oakland - 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. 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. Most boom lifts can be successfully run with a single operator. This machine is popular for harvesting fruit in locations such as orchards that historically relied on climbing dangerous ladders. 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 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. Articulated boom lifts are comprised of many joints that allow the machine to bend under or over obstacles. The articulated boom sections can move independently to grant operators access to many locations. Articulated booms feature a tight turning radius, making them ideal for hallways and narrow storage corridors. 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. 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. 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 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. There are models on the market capable of reaching over 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. Boom lifts can fit through tiny spaces and there are 4WD options on the market. Telescopic boom lifts are your best choice for combining reach and height. 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. Jibs are an option on many telescoping and articulating boom lifts. 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 A well known articulating boom lift that can be seen in a variety of applications is the Genie Z-boom. 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** 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. Operating the equipment safely is vital for the operator and everyone in the vicinity. 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. It is important to have an accessible, securely mounted and visible fire extinguisher mounted 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** 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. Straps, fasteners and chains need to be checked they are in good condition. 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. Workbenches and workshop or garage areas need to have adequate lighting and ventilation. 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** 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. 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. Annual and Quarterly maintenance procedures need to be performed once or multiple times a year. Maintenance procedures are based on the operating hours of the boom lift and programmed maintenance may be conducted during pre-delivery machine preparation. 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.