

Boomlift / Manlift

Used Boom Lift Downey - The boom lift is one of the most popular kinds of aerial machinery. 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. Staying safe while working at high altitude is essential for daily success. The material handling industry offers many boom lift models. 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. Harvesting fruit is much safer and simpler with a boom lift compared to using a ladder.

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. This equipment is used in numerous industries including installing telephone poles and lines, maintaining overhead cables and window cleaning applications due to their ability to reach items when it is not practical to situate the machine directly underneath the issue. With a variety of joints allowing the machine to bend over or under items, the articulated boom lift is helpful for numerous applications. 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. The dual-fuel boom lifts provide service in both exterior and interior locations. Diesel models are used outside while electric boom lifts are implemented in interior locations.

Articulating Boom Lifts These boom lifts are popular for numerous construction and maintenance jobs. These machines are often seen servicing overhead wires and power lines. Certain models are outfitted with water cannons to be used in firefighting applications. Telescoping sections are available on certain models to extend reach to the maximum. 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. Capable of fitting through doorways, interior articulating boom lifts are more compact and used commonly in storage, retail and warehousing applications. 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. These units use hydraulics to retract and extend outwards and upwards. No second operator is required as the platform operator can extend the lift with the controls. Certain larger and taller models feature a jib located close to the top similar to an articulating boom lift model. Boom lifts are available that reach higher than one-hundred and eighty feet. These machines are built to be stable and reliable. Some are able to extend to their full height capacity in less than 60 seconds. 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 The jib is the extension found at the end of the main boom and between the platform. 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. There is an articulation point available on certain models situated halfway between the platform and the wheels to allow the machine to reach over an obstacle and be lowered again if needed.

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

When operating any type of industrial equipment, safety is first and foremost. All known safety hazards must be known to anyone working within the vicinity. 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. 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. 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

Daily maintenance includes a visual inspection and consulting the maintenance manual to ensure the machine is up to date and will operate safely. Lifting and supportive devices need to stabilize the weight on hand. Straps, fasteners and chains need to be checked they are in good condition. It is very dangerous to reuse single use fasteners and other components as they might fail if used beyond their recommendations. Environmental contamination can be prevented by properly discarding oils safely in an approved container. Workbenches and workshop or garage areas need to have adequate lighting and ventilation. Maintenance is broad and typically categorized into subsections including Quarterly Maintenance, Annual Maintenance, Commissioning and Programmed Maintenance Intervals.

Maintenance Inspection Report

The boom lift components are divided and categorized to streamline the process of inspection. Popular categories include Engine, Drive Chassis, Platform, Booms, Turntable, Controls and Function. 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. 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.