

Boomlift / Manlift

Used Boom Lift Chandler - 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. 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. It can be difficult to secure a ladder on farmland or in orchard settings. Boom lifts make it much easier to reach high tree tops for collecting fruit. 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. Articulated boom lifts are comprised of many joints that allow the machine to bend under or over obstacles. These sections can independently move to allow workers to gain access to a variety of places. 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 Articulated boom lifts are commonly found on construction sites and used in maintenance applications. These machines are often seen servicing overhead wires and power lines. Firefighters may use these machines and some articulated boom lifts have water cannons. 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. The nickname "spiders" has been given to these boom lifts due to their legs which can support the machine on rough or steep terrain. Interior articulating boom lifts are smaller and able to fit through doorways for use inside storage, warehouse and retail capacities. Interior models are typically electric boom lifts due to their lack of dangerous carbon monoxide exhaust and quieter features. 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. 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. 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. Available in 4WD and the ability to fit through small spaces. Telescopic boom lifts are your best choice for combining reach and height. Jib The jib is the extension found at the end of the main boom and between the platform. 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. 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 A popular type of articulating boom lift manufactured on the market is the Genie Z-boom Model. Designed to provide the most versatility in difficult to access spaces, this model has the capacity to lift up, over and out with superior positioning. 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. Safety hazards must be advertised to everyone who is working in the area for best practices. Operating the equipment safely is vital for the operator and everyone in the vicinity. Proper safety gear and communication need to be completed prior to operating. 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. It is important to have an accessible, securely mounted and visible fire extinguisher mounted within the operators' reach. Keep work surfaces and charging stations clean and free from clutter or tools that could puncture the 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. Stabilizing the weight is accomplished supportive devices to lift and distribute the load. 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. It is vital to discard oils and solvents safely and efficiently to prevent contaminating the environment. 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 is an essential component to keeping the machine operable and the staff safe while extending the service life and overall performance of the machine. 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. 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.