

## Gradall Forklift Parts

Gradall Forklift Parts - Through the time when WWII created a scarcity of laborers, the famous Gradall excavator was established in the 1940s as the brainchild of two brothers Koop and Ray Ferwerda. Partners in a Cleveland, Ohio construction company called Ferwerda-Werba-Ferwerda, the brothers faced a huge dilemma when lots of men left the labor force and joined the military, depleting existing workers for the delicate finishing work and grading on highway projects. The Ferwerda brothers chose to build a machine that would save their company by making the slope grading work easier, more efficient and less manual.

Their very first design model was a machine with two beams set on a rotating platform that was attached over a second-hand truck. A telescopic cylinder moved the beams back and forth that allowed the fixed blade at the end of the beams to pull or push dirt. Before long enhancing the very first design, the brothers made a triangular boom to be able to add more strength. Moreover, they added a tilt cylinder which let the boom turn 45 degrees in both directions. A cylinder was placed at the back of the boom, powering a long push rod to allow the machine to be outfitted with either a bucket or a blade attachment.

Gradall launched in the year 1992, with the introduction of the new XL Series hydraulics, the most innovative adjustment in their machinery ever since their invention. This new system of top-of-the-line hydraulics allowed the Gradall excavator to deliver comparable power and high productivity to the more traditional excavators. The XL Series ended the original Gradall equipment power drawn from low pressure hydraulics and gear pumps. These conventional systems successfully handled finishing work and grading but had a hard time competing for high productivity work.

Gradall's new XL Series excavators showed more ability to dig and lift materials. With this series, the models were made along with a piston pump, high-pressure system of hydraulics that showed noticeable improvement in boom and bucket breakout forces. The XL Series hydraulics system was even developed with a load-sensing capability. Traditional excavators utilize an operator so as to choose a working-mode; where the Gradall system can automatically adjust the hydraulic power meant for the work at hand. This makes the operator's whole work easier and likewise saves fuel simultaneously.

As soon as their XL Series hydraulics came onto the market, Gradall was essentially thrust into the highly competitive market of machinery designed to deal with demolition, pavement removal, excavating and several industrial tasks. Marketability was further improved with their telescoping boom because of its exclusive ability to work in low overhead areas and to better position attachments.