

## Gradall Forklift Part

Gradall Forklift Parts - All through the period when WWII created a scarcity of workers, the famous Gradall excavator was founded in the 1940s as the brainchild of two brothers Ray and Koop Ferwerda. Partners in a Cleveland, Ohio construction business called Ferwerda-Werba-Ferwerda, the brothers faced a huge dilemma when so many men left the labor force and joined the military, depleting available laborers for the delicate grading and finishing work on highway projects. The Ferwerda brothers decided to make a machine that will save their company by making the slope grading job more efficient, less manual and easier.

Their very first design model was a device with two beams set on a rotating platform that was attached over a second-hand truck. A telescopic cylinder moved the beams forward and backward which 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. As well, they added a tilt cylinder which let the boom turn 45 degrees in both directions. A cylinder was positioned at the rear of the boom, powering a long push rod to enable the machinery to be equipped with either a bucket or a blade attachment.

Gradall introduced in the year 1992, with the introduction of the new XL Series hydraulics, the most ground-breaking adjustment in their machines ever since their creation. This new system of top-of-the-line hydraulics enabled the Gradall excavator to provide high productivity and comparable power to the more conventional excavators. The XL Series ended the first Gradall equipment power drawn from gear pumps and low pressure hydraulics. These conventional systems efficiently handled finishing work and grading but had a hard time competing for high productivity tasks.

Gradall's new XL Series excavators showed more ability to dig and lift materials. With this series, the models were made together 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 likewise developed together with a load-sensing capability. Traditional excavators use an operator to be able to select a working-mode; where the Gradall system can automatically adjust the hydraulic power intended for the job at hand. This makes the operator's general work easier and likewise conserves fuel at the same time.

Once the new XL Series hydraulics reached the market, Gradall was thrust into the very competitive industrial equipment market that are meant to deal with demolition, pavement removal, excavating as well as other industrial jobs. The introduction of the new telescoping boom helped to further improve the excavator's marketability. The telescoping boom gives the excavator the ability to better position attachments and to work in low overhead areas.