

## Gradall Forklift Parts

Gradall Forklift Parts - All through the time when WWII created a scarcity of workers, the legendary Gradall excavator was born in the 1940s as the brainchild of two brothers Ray and Koop Ferwerda. Partners in a Cleveland, Ohio construction company referred to as Ferwerda-Werba-Ferwerda, the brothers faced a huge predicament 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 build an equipment that would save their company by making the slope grading task more efficient, less manual and easier.

The first excavator prototype consisted of a device with two industrial beams on a rotating platform fixed to a second-hand truck. There was a telescopic cylinder which was used to move the beams backward and forward. This enabled the fixed blade at the far end of the beams to pull or push the dirt. Before long improving the very first design, the brothers built a triangular boom so as to add more strength. Also, they added a tilt cylinder that let the boom turn 45 degrees in either direction. A cylinder was positioned at the back of the boom, powering a long push rod to allow the machine to be equipped with either a blade or a bucket attachment.

The year 1992 marked a momentous year for Gradall with their launch of XL Series hydraulics, the most dramatic change in the company's excavators ever since their invention. These top-of-the-line hydraulics systems enabled Gradall excavators to provide high productivity and comparable power on a realistic level to traditional excavators. The XL Series put an end to the original Gradall equipment power drawn from gear pumps and low pressure hydraulics. These conventional systems successfully handled grading and finishing work but had a hard time competing for high productivity tasks.

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

As soon as their XL Series hydraulics became available, Gradall was basically thrust into the highly competitive market of equipment meant to deal with demolition, pavement removal, excavating as well as different industrial jobs. Marketability was further enhanced with their telescoping boom because of its exclusive ability to better position attachments and to work in low overhead areas.