

Gradall Forklift Parts

Gradall Forklift Part - Throughout the time when WWII created a shortage of workers, the legendary Gradall excavator was established in the 1940s as the idea of two brothers Ray and Koop Ferwerda. Partners in a Cleveland, Frisco construction business referred to as Ferwerda-Werba-Ferwerda, the brothers faced a huge dilemma when so many men left the workforce and signed up in the military, depleting existing workers for the delicate grading and finishing work on highway projects. The Ferwerda brothers decided to build an equipment that would save their business by making the slope grading work more efficient, less manual and easier.

Their initial design model was a device with two beams set on a rotating platform that was affixed on top of a used truck. A telescopic cylinder moved the beams forward and backward which allowed the fixed blade at the end of the beams to push or pull dirt. Shortly improving the very first design, the brothers made a triangular boom in order to add more strength. What's more, they added a tilt cylinder that let the boom turn 45 degrees in either direction. A cylinder was positioned at the rear of the boom, powering a long push rod to enable the machinery to be outfitted with either a bucket or a blade attachment.

The year 1992 marked a crucial year for Gradall with their launch of XL Series hydraulics, the most amazing change in the company's excavators since their invention. These top-of-the-line hydraulics systems allowed Gradall excavators to deliver comparable power and high productivity on a realistic level to conventional excavators. The XL Series put an end to the first Gradall equipment power drawn from low pressure hydraulics and gear pumps. These traditional systems efficiently 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 lift and dig materials. With this series, the models were made 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 also developed together with a load-sensing capability. Conventional excavators make use of an operator in order to choose a working-mode; where the Gradall system can automatically adjust the hydraulic power for the job at hand. This makes the operator's whole job easier and also conserves fuel at the same time.

Once the new XL Series hydraulics became available in the market, Gradall was thrust into the extremely competitive industrial machine market which are meant to deal with demolition, pavement removal, excavating and several industrial work. The introduction of the new telescoping boom helped to further enhance the excavator's marketability. The telescoping boom gives the excavator the ability to work in low overhead areas and to better position attachments.