Fuel System for Forklift

Fuel Systems for Forklifts - The fuel system is responsible for feeding your engine the gasoline or diesel it requires to be able to work. If any of the separate parts in the fuel system break down, your engine will not work properly. There are the main parts of the fuel system listed under:

Fuel Tank: The fuel tank is a holding cell meant for your fuel. When filling up at a gas station, the fuel travels down the gas hose and into your tank. Inside the tank there is a sending unit. This is what tells the gas gauge how much gas is within the tank.

Fuel Pump: In newer cars, most contain fuel pumps usually placed in the fuel tank. Many of the older automobiles will attach the fuel pump to the engine or located on the frame next to the tank and engine. If the pump is on the frame rail or within the tank, therefore it is electric and runs with electricity from your cars' battery, whereas fuel pumps that are mounted to the engine utilize the motion of the engine to be able to pump the fuel.

Fuel Filter: For overall engine life and performance, clean fuel is essential. The fuel injector is made up of small holes which clog easily. Filtering the fuel is the only way this could be avoided. Filters can be found either before or after the fuel pump and in some instances both places.

Fuel Injectors: Nearly all domestic cars made after the year 1986, came from the factory with fuel injection. A computer control opens the fuel injectors so as to allow fuel into the engine, that replaced the carburator who's job initially was to carry out the mixing of the air and fuel. This has caused lower emission overall and better fuel economy. The fuel injector is basically a small electric valve which closes and opens with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or in tiny particles, and can burn better when ignited by the spark plug.

Carburetors: Carburetors have the task of taking the fuel and mixing it with the air without whatever intervention from a computer. Carburetors require repeated tuning and rebuilding even though they are simple to work. This is amongst the main reasons the newer vehicles on the market have done away with carburetors instead of fuel injection.