Fuel Systems for Forklifts

Forklift Fuel System - The fuel system is responsible for supplying your engine the gasoline or diesel it needs to be able to work. If whichever of the separate parts in the fuel system break down, your engine would not run right. There are the major parts of the fuel system listed beneath:

Fuel Tank: The fuel tank holds the fuel. The fuel from the gas station pump, moves from the tank travels downward the gas hose into your tank. Inside the tank there is a sending unit. This is what tells the gas gauge the amount of gas is within the tank.

Fuel Pump: In newer cars, the majority contain fuel pumps usually located in the fuel tank. Several of the older automobiles would connect the fuel pump to the engine or positioned on the frame next to the engine and tank. If the pump is on the frame rail or inside the tank, then it is electric and functions with electricity from your cars' battery, while fuel pumps that are attached to the engine use the motion of the engine so as to pump the fuel.

Fuel Filter: Clean fuel is vital for engine performance and overall engine life. Fuel injectors have small openings that could clog very easily. Filtering the fuel is the only way this can be avoided. Filters can be found either before or after the fuel pump and in various instances both places.

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

Carburetors: Carburetors have the job of taking the fuel and mixing it with the air without whichever intervention from a computer. Carburetors require regular rebuilding and retuning even though they are easy to operate. This is one of the main reasons the newer vehicles available on the market have done away with carburetors instead of fuel injection.