Fuel Systems for Forklifts

Forklift Fuel System - The fuel system is responsible for supplying your engine the gasoline or diesel it requires so as to function. If whatever of the specific components in the fuel system break down, your engine would not work correctly. There are the major parts of the fuel system listed below:

Fuel Tank: The fuel tank is a holding cell intended for your fuel. When filling up at a gas station, the fuel travels down the gas hose and into your tank. Within 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, most contain fuel pumps usually located within the fuel tank. A lot 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 in the tank, then it is electric and operates with electricity from your cars' battery, whereas fuel pumps that are mounted to the engine make use of the motion of the engine so as to pump the fuel.

Fuel Filter: Clean fuel is essential for engine performance and overall engine life. Fuel injectors have tiny openings which could block very easily. Filtering the fuel is the only way this could be prevented. Filters can be found either before or after the fuel pump and in various instances both places.

Fuel Injectors: Most domestic cars made after the year 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 air and fuel. This has resulted in better fuel economy and lower emissions overall. The fuel injector is essentially a small electric valve which closes opens with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or inside small 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 any involvement from a computer. Carburetors need frequent tuning and rebuilding though they are simple to work. This is amongst the main reasons the newer vehicles on the market have done away with carburetors rather than fuel injection.