Fuel Systems for Forklifts

Forklift Fuel System - The fuel system is responsible for supplying your engine the gasoline or diesel it needs so as to function. If whatever of the different 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 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 the amount of gas is within the tank.

Fuel Pump: In newer cars, most contain fuel pumps normally positioned inside the fuel tank. Several of the older automobiles will attach the fuel pump to the engine or located on the frame next to the engine and tank. If the pump is inside the tank or on the frame rail, therefore 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 in order to pump the fuel.

Fuel Filter: For performance and overall engine life, clean fuel is essential. The fuel injector is made up of tiny holes which block 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 several instances both places.

Fuel Injectors: Most domestic cars after the year 1986, along with earlier foreign cars came from the factory with fuel injection. In place of a carburetor to carry out the job of mixing the air and the fuel, a computer controls when the fuel injectors open to be able to let fuel into the engine. This has resulted in better fuel economy and lower emissions overall. The fuel injector is really a small electric valve that opens and closes with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or in tiny particles, and is able to burn better when ignited by the spark plug.

Carburetors: Carburetors have the task of taking the fuel and mixing it with the air without whichever involvement from a computer. Carburetors need repeated tuning and rebuilding although they are easy to work. This is among the main reasons the newer vehicles on the market have done away with carburetors rather than fuel injection.