Fuel Systems for Forklifts

Fuel System for Forklift - The fuel system is responsible for supplying your engine the diesel or gasoline it needs to be able to work. If whatever of the specific components in the fuel system break down, your engine will not work right. There are the main components of the fuel system listed under:

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, the majority contain fuel pumps usually located in the fuel tank. Many of the older automobiles would connect the fuel pump to the engine or placed on the frame next to the engine and tank. If the pump is inside the tank or on the frame rail, then it is electric and runs with electricity from your cars' battery, whereas fuel pumps that are attached to the engine make use of the motion of the engine to be able to pump the fuel.

Fuel Filter: Clean fuel is vital for overall engine life and engine performance. Fuel injectors have tiny openings that can clog without problems. Filtering the fuel is the only way this can be prevented. Filters could be found either after or before 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 to be able to allow fuel into the engine, that replaced the carburator who's job originally was to carry out the mixing of the fuel and air. This has caused better fuel economy and lower emissions overall. The fuel injector is basically a small electric valve which opens closes 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 whatever involvement from a computer. Carburetors need repeated rebuilding and retuning although they are simple to work. This is one of the main reasons the newer vehicles on the market have done away with carburetors in favor of fuel injection.