Fuel System for Forklift

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

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

Fuel Pump: In newer cars, the majority contain fuel pumps typically located inside the fuel tank. Several of the older automobiles will connect the fuel pump to the engine or located on the frame next to the engine and tank. If the pump is within 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 utilize 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 small openings which could clog very easily. Filtering the fuel is the only way this can be prevented. Filters can be found either before or after the fuel pump and in various instances both places.

Fuel Injectors: Nearly all 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, which replaced the carburator who's job initially was to perform the mixing of the air and fuel. This has resulted in better fuel economy and lower emissions overall. The fuel injector is essentially a tiny electric valve that closes and opens with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or within 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 any involvement from a computer. Carburetors need regular rebuilding and retuning even if they are simple to operate. This is one of the main reasons the newer vehicles presented on the market have done away with carburetors in favor of fuel injection.