Forklift Fuel Systems

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

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. 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 most newer cars, the fuel pump is normally situated inside the fuel tank. Many older vehicles have the fuel pump attached to the engine or placed on the frame rail amid the engine and the tank. If the pump is on the frame rail or within the tank, then it is electric and functions with electricity from your cars' battery, whereas fuel pumps that are attached to the engine make use of the motion of the engine in order to pump the fuel.

Fuel Filter: For performance and overall engine life, clean fuel is very important. The fuel injector is made up of small holes which block without difficulty. 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 made after the year 1986, came from the factory with fuel injection. A computer control opens the fuel injectors in order to allow fuel into the engine, that replaced the carburator who's task originally 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 really a small electric valve that opens closes with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or inside small particles, and could 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 require repeated tuning and rebuilding though they are easy to operate. This is one of the main reasons the newer vehicles on the market have done away with carburetors rather than fuel injection.