Forklift Fuel System

Forklift Fuel System - The fuel system is responsible for supplying your engine the diesel or gasoline it needs to be able to function. If whichever of the separate components in the fuel system break down, your engine will not run right. There are the major parts of the fuel system listed underneath:

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 how much gas is within the tank.

Fuel Pump: In newer cars, the majority contain fuel pumps normally placed inside the fuel tank. A lot of the older automobiles will attach 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, therefore it is electric and functions with electricity from your cars' battery, while fuel pumps which are mounted 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 clog without problems. Filtering the fuel is the only way this can be prevented. Filters can be found either after or before the fuel pump and in various instances both places.

Fuel Injectors: Most domestic cars made after 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 initially was to perform the mixing of the air and fuel. This has caused better fuel economy and lower emissions overall. The fuel injector is basically a small electric valve that closes and opens with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or in tiny particles, and could burn better when ignited by the spark plug.

Carburetors: Carburetor function so as to mix the air with the fuel without any computer intervention. These tools are rather simple to operate but do need frequent tuning and rebuilding. This is among the main reasons the newer vehicles available on the market have done away with carburetors rather than fuel injection.