Fuel Systems for Forklifts

Forklift Fuel System - The fuel system is responsible for providing your engine the gasoline or diesel it requires in order to function. If any of the different components in the fuel system break down, your engine will not run properly. There are the major parts of the fuel system listed underneath:

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

Fuel Pump: In most newer cars, the fuel pump is normally situated in the fuel tank. Numerous 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 inside the tank or on the frame rail, therefore it is electric and operates with electricity from your cars' battery, while fuel pumps that are connected to the engine utilize the motion of the engine to be able 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 that clog without difficulty. Filtering the fuel is the only way this could 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 in order to allow fuel into the engine, that replaced the carburator who's task originally was to carry out 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 opens and closes with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or within tiny particles, and could burn better when ignited by the spark plug.

Carburetors: Carburetor function in order to mix the fuel with the air without any computer intervention. These devices are somewhat simple to operate but do need regular rebuilding and retuning. This is among the main reasons the newer vehicles on the market have done away with carburetors rather than fuel injection.