Fuel Systems for Forklifts

Forklift Fuel System - The fuel system is responsible for feeding your engine the diesel or gasoline it needs so as to run. If any of the specific parts in the fuel system break down, your engine will not function right. There are the major parts of the fuel system listed underneath:

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. Inside 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 normally located within the fuel tank. Several of the older automobiles would connect the fuel pump to the engine or positioned 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 operates with electricity from your cars' battery, whereas fuel pumps which are attached to the engine use 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 that 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 several 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 job initially 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 small 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 to mix the fuel with the air without whatever computer intervention. These tools are somewhat simple to work but do require frequent rebuilding and retuning. This is among the main reasons the newer vehicles on the market have done away with carburetors rather than fuel injection.