Forklift Fuel Systems

Forklift Fuel System - The fuel systems job is to provide your engine with the gasoline or diesel it requires so as to work. If whichever of the fuel system components breaks down, your engine would not run correctly. There are the main components of the fuel system listed beneath:

Fuel Tank: The fuel tank is a holding cell meant for your fuel. When filling up at a gas station, the fuel travels down 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 within the tank.

Fuel Pump: In newer cars, the majority contain fuel pumps normally positioned in the fuel tank. Many of the older automobiles will attach 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 functions with electricity from your cars' battery, whereas fuel pumps which are attached to the engine use the motion of the engine so as to pump the fuel.

Fuel Filter: For overall engine life and performance, clean fuel is essential. The fuel injector is made up of tiny holes that clog easily. Filtering the fuel is the only way this could be avoided. Filters could be found either after or before the fuel pump and in some 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 allow fuel into the engine, which replaced the carburator who's task originally was to perform the mixing of the fuel and air. This has caused better fuel economy and lower emissions overall. The fuel injector is basically a tiny electric valve which 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: Carburetors have the job of taking the fuel and mixing it with the air without any involvement from a computer. Carburetors require repeated tuning and rebuilding although 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.