Forklift Fuel Systems

Forklift Fuel System - The fuel systems task is to supply your engine with the diesel or gasoline it needs in order to run. If whichever of the fuel system parts breaks down, your engine will not function right. There are the major components of the fuel system listed below:

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. 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 newer cars, the majority contain fuel pumps usually located within the fuel tank. Many of the older automobiles would connect the fuel pump to the engine or located on the frame next to the tank and engine. If the pump is inside the tank or on the frame rail, therefore it is electric and works with electricity from your cars' battery, while fuel pumps which are attached to the engine utilize the motion of the engine so as 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 effortlessly. Filtering the fuel is the only way this can be avoided. Filters can be found either before or after the fuel pump and in various instances both places.

Fuel Injectors: Nearly all domestic cars after the year 1986, along with earlier foreign cars came from the factory with fuel injection. Instead of a carburetor to carry out the job of mixing the air and the fuel, a computer controls when the fuel injectors open in order to allow fuel into the engine. This has caused better fuel economy and lower emissions overall. The fuel injector is basically a small electric valve which closes opens with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or within tiny particles, and can burn better when ignited by the spark plug.

Carburetors: Carburetors have the job of taking the fuel and mixing it with the air without whichever involvement from a computer. Carburetors require frequent rebuilding and retuning even if they are simple to operate. This is one of the main reasons the newer vehicles available on the market have done away with carburetors instead of fuel injection.