## Fuel Systems for Forklifts

Forklift Fuel System - The fuel systems task is to provide your engine with the diesel or gasoline it requires in order to function. If any of the fuel system parts breaks down, your engine will not work right. There are the main parts of the fuel system listed beneath:

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 within the tank.

Fuel Pump: In newer cars, the majority contain fuel pumps usually 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, then it is electric and works 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: Clean fuel is essential for engine performance and overall engine life. Fuel injectors have tiny openings which could block with no trouble. Filtering the fuel is the only way this could be prevented. Filters can be found either after or before the fuel pump and in several instances both places.

Fuel Injectors: Most domestic cars after the year 1986, along with earlier foreign cars came from the factory with fuel injection. Instead of a carburetor to perform the job of mixing the fuel and the air, a computer controls when the fuel injectors open to be able to allow fuel into the engine. This has resulted in lower emission overall and better fuel economy. The fuel injector is essentially a small electric valve that opens closes 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 whatever intervention from a computer. Carburetors require repeated tuning and rebuilding even though they are easy to operate. This is among the main reasons the newer vehicles on the market have done away with carburetors rather than fuel injection.