## Fuel Systems for Forklifts

Fuel System for Forklift - The fuel systems task is to provide your engine with the gasoline or diesel it needs to be able to function. If whichever of the fuel system parts breaks down, your engine would not work properly. There are the main parts of the fuel system listed under:

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 the amount of gas is inside the tank.

Fuel Pump: In newer cars, the majority contain fuel pumps usually positioned within the fuel tank. Many of the older automobiles will attach the fuel pump to the engine or placed on the frame next to the tank and engine. If the pump is on the frame rail or inside the tank, then it is electric and functions with electricity from your cars' battery, while fuel pumps that are mounted to the engine utilize the motion of the engine to be able to pump the fuel.

Fuel Filter: Clean fuel is vital for engine performance and overall engine life. Fuel injectors have small openings which could block without problems. Filtering the fuel is the only way this can be avoided. Filters can be found either after or before the fuel pump and in various instances both places.

Fuel Injectors: The majority of 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 air and the fuel, a computer controls when the fuel injectors open to let fuel into the engine. This has caused lower emission overall and better fuel economy. The fuel injector is essentially a small electric valve which opens closes with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or within small particles, and is able to 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 rebuilding and retuning though they are simple to work. This is amongst the main reasons the newer vehicles presented on the market have done away with carburetors rather than fuel injection.