

## Fuel Systems for Forklifts

Forklift Fuel System - The fuel systems task is to provide your engine with the diesel or gasoline it requires so as to work. If any of the fuel system components breaks down, your engine will not run properly. 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. Within the tank there is a sending unit. This is what tells the gas gauge the amount of gas is in the tank.

**Fuel Pump:** In newer cars, the majority contain fuel pumps normally located in 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 on the frame rail or in the tank, then it is electric and runs with electricity from your cars' battery, while fuel pumps which are connected to the engine use the motion of the engine to be able 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 which clog without difficulty. Filtering the fuel is the only way this can be avoided. Filters can be found either before or after the fuel pump and in some instances both places.

**Fuel Injectors:** Nearly all domestic cars made after the year 1986, came from the factory with fuel injection. A computer control opens the fuel injectors to allow fuel into the engine, that replaced the carburetor who's task initially was to perform the mixing of the fuel and air. This has caused lower emission overall and better fuel economy. The fuel injector is essentially a tiny electric valve which 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:** Carburetor work to be able to mix the air with the fuel without whichever computer intervention. These devices are somewhat simple to operate but do require frequent tuning and rebuilding. This is amongst the main reasons the newer vehicles offered on the market have done away with carburetors rather than fuel injection.