

## Fuel Systems for Forklifts

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

**Fuel Tank:** The fuel tank holds the fuel. The fuel from the gas station pump, moves from the tank travels downward the gas hose 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 most newer cars, the fuel pump is usually located in the fuel tank. Several older vehicles have the fuel pump connected to the engine or positioned on the frame rail amid the tank and the engine. If the pump is within the tank or on the frame rail, therefore it is electric and runs with electricity from your cars' battery, whereas fuel pumps that are mounted to the engine make use of the motion of the engine in order to pump the fuel.

**Fuel Filter:** For overall engine life and performance, clean fuel is vital. The fuel injector is made up of tiny holes that clog effortlessly. Filtering the fuel is the only way this could be prevented. Filters could be found either before or after the fuel pump and in some instances both places.

**Fuel Injectors:** Nearly all domestic cars after the year 1986, together with earlier foreign cars came from the factory with fuel injection. Instead of a carburetor to carry out the task of mixing the air and the fuel, a computer controls when the fuel injectors open so as to allow fuel into the engine. This has resulted in better fuel economy and lower emissions overall. The fuel injector is essentially a tiny electric valve which closes opens with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or inside tiny 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 need frequent tuning and rebuilding though they are simple to operate. This is one of the main reasons the newer vehicles on the market have done away with carburetors in favor of fuel injection.