

## Fuel Systems for Forklifts

Forklift Fuel System - The fuel system is responsible for feeding your engine the diesel or gasoline it requires so as to run. If any of the individual components in the fuel system break down, your engine will not run properly. There are the main components of the fuel system listed underneath:

**Fuel Tank:** The fuel tank holds the fuel. The fuel from the gas station pump, moves from the tank travels down the gas hose into your tank. In the tank there is a sending unit. This is what tells the gas gauge the amount of gas is within the tank.

**Fuel Pump:** In the majority of newer cars, the fuel pump is typically placed in the fuel tank. A lot of older vehicles have the fuel pump connected to the engine or located on the frame rail among the tank and the engine. If the pump is on the frame rail or within the tank, then it is electric and functions with electricity from your cars' battery, whereas fuel pumps that are attached to the engine utilize the motion of the engine in order to pump the fuel.

**Fuel Filter:** For overall engine life and performance, clean fuel is essential. The fuel injector is made up of tiny holes which clog without difficulty. Filtering the fuel is the only way this could be prevented. Filters could be found either after or before the fuel pump and in several 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 perform the task of mixing the fuel and the air, a computer controls when the fuel injectors open to let fuel into the engine. This has caused better fuel economy and lower emissions overall. The fuel injector is basically a small electric valve that 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 task of taking the fuel and mixing it with the air without whatever involvement from a computer. Carburetors require repeated rebuilding and retuning although they are simple to operate. This is amongst the main reasons the newer vehicles on the market have done away with carburetors rather than fuel injection.