

## Fuel Systems for Forklifts

Forklift Fuel System - The fuel system is responsible for providing your engine the diesel or gasoline it needs in order to run. If any of the separate parts in the fuel system break down, your engine will not run properly. There are the main components of the fuel system listed under:

**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. Inside the tank there is a sending unit. This is what tells the gas gauge how much gas is inside the tank.

**Fuel Pump:** In the majority of newer cars, the fuel pump is usually located in the fuel tank. A lot of older vehicles have the fuel pump connected to the engine or positioned on the frame rail among the engine and the tank. If the pump is on the frame rail or in the tank, then it is electric and operates with electricity from your cars' battery, whereas fuel pumps that are connected to the engine make use of the motion of the engine so as to pump the fuel.

**Fuel Filter:** For overall engine life and performance, clean fuel is vital. The fuel injector is made up of small holes that clog effortlessly. Filtering the fuel is the only way this could be prevented. 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 1986, came from the factory with fuel injection. A computer control opens the fuel injectors so as to allow fuel into the engine, that replaced the carburetor who's job originally was to perform the mixing of the fuel and air. This has resulted in lower emission overall and better fuel economy. The fuel injector is essentially a tiny electric valve which opens and 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:** Carburetor work to be able to mix the air with the fuel without whichever computer involvement. These tools are quite easy to operate but do need frequent rebuilding and retuning. This is one of the main reasons the newer vehicles presented on the market have done away with carburetors rather than fuel injection.