

## Forklift Fuel Systems

Forklift Fuel System - The fuel systems task is to provide your engine with the diesel or gasoline it requires in order to run. If whatever of the fuel system parts breaks down, your engine will not run correctly. There are the main parts 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 in the tank.

**Fuel Pump:** In newer cars, the majority contain fuel pumps typically located in the fuel tank. Several 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 within the tank, then it is electric and functions with electricity from your cars' battery, while fuel pumps which are attached to the engine use the motion of the engine in order to pump the fuel.

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

**Fuel Injectors:** Most domestic cars after 1986, along with earlier foreign cars came from the factory with fuel injection. In place of a carburetor to carry out the job of mixing the fuel and the air, a computer controls when the fuel injectors open in order to allow fuel into the engine. This has caused better fuel economy and lower emissions overall. The fuel injector is really 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 inside small particles, and is able to burn better when ignited by the spark plug.

**Carburetors:** Carburetor function to mix the fuel with the air without whatever computer involvement. These devices are quite simple to operate but do require frequent rebuilding and retuning. This is one of the main reasons the newer vehicles on the market have done away with carburetors rather than fuel injection.