

## Fuel Systems for Forklifts

Forklift Fuel System - The fuel system is responsible for providing your engine the gasoline or diesel it requires to be able to work. If any of the different components in the fuel system break down, your engine would not work correctly. There are the major parts 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. Inside the tank there is a sending unit. This is what tells the gas gauge the amount of gas is inside the tank.

**Fuel Pump:** In most newer cars, the fuel pump is normally placed within the fuel tank. Various older vehicles have the fuel pump connected to the engine or positioned on the frame rail between the tank and the engine. If the pump is on the frame rail or in the tank, therefore it is electric and runs with electricity from your cars' battery, while fuel pumps which are connected to the engine make use of the motion of the engine to be able to pump the fuel.

**Fuel Filter:** Clean fuel is vital for overall engine life and engine performance. Fuel injectors have tiny openings which can clog very easily. 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:** Nearly all domestic cars made after 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 closes opens with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or in tiny particles, and could burn better when ignited by the spark plug.

**Carburetors:** Carburetors have the job of taking the fuel and mixing it with the air without whichever intervention from a computer. Carburetors need repeated tuning and rebuilding even though they are simple to operate. This is one of the main reasons the newer vehicles presented on the market have done away with carburetors rather than fuel injection.