

## Fuel Systems for Forklifts

Forklift Fuel System - The fuel systems job is to provide your engine with the diesel or gasoline it needs in order to function. If any of the fuel system components breaks down, your engine would not work right. There are the main components of the fuel system listed below:

**Fuel Tank:** The fuel tank is a holding cell meant for your fuel. When filling up at a gas station, the fuel travels downward the gas hose and into your tank. Within the tank there is a sending unit. This is what tells the gas gauge how much gas is within the tank.

**Fuel Pump:** In newer cars, nearly all contain fuel pumps typically located inside the fuel tank. Many of the older automobiles would attach the fuel pump to the engine or positioned on the frame next to the engine and tank. If the pump is in the tank or on the frame rail, therefore it is electric and works with electricity from your cars' battery, while fuel pumps which 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 vital. The fuel injector is made up of tiny holes which block with no trouble. Filtering the fuel is the only way this can be prevented. Filters can be found either after or before the fuel pump and in various instances both places.

**Fuel Injectors:** The majority of domestic cars after the year 1986, along with earlier foreign cars came from the factory with fuel injection. Instead of a carburetor to do the task of mixing the fuel and the air, a computer controls when the fuel injectors open to be able to let fuel into the engine. This has caused lower emission overall and better fuel economy. The fuel injector is really a small 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 could burn better when ignited by the spark plug.

**Carburetors:** Carburetor function in order to mix the air with the fuel without whichever computer intervention. These devices are quite easy to work but do need frequent tuning and rebuilding. This is one of the main reasons the newer vehicles presented on the market have done away with carburetors instead of fuel injection.