

## Fuel Systems for Forklifts

Forklift Fuel System - The fuel systems task is to supply your engine with the diesel or gasoline it requires in order to function. If whatever of the fuel system parts breaks down, your engine would not work properly. There are the major parts of the fuel system listed beneath:

**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 how much gas is in the tank.

**Fuel Pump:** In most newer cars, the fuel pump is typically situated inside the fuel tank. Various older vehicles have the fuel pump connected to the engine or located on the frame rail among the engine and the tank. If the pump is within the tank or on the frame rail, then it is electric and operates with electricity from your cars' battery, while fuel pumps which are attached to the engine use the motion of the engine so as to pump the fuel.

**Fuel Filter:** Clean fuel is essential for engine performance and overall engine life. Fuel injectors have tiny openings which could clog very easily. Filtering the fuel is the only way this could be avoided. Filters could be found either before or after the fuel pump and in some instances both places.

**Fuel Injectors:** Nearly all domestic cars after 1986, together with earlier foreign cars came from the factory with fuel injection. In place of a carburetor to carry out the task of mixing the air and the fuel, a computer controls when the fuel injectors open in order to allow fuel into the engine. This has resulted in lower emission overall and better fuel economy. The fuel injector is essentially a small electric valve which closes and opens with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or within tiny particles, and could 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 intervention from a computer. Carburetors require frequent tuning and rebuilding although they are easy to work. This is one of the main reasons the newer vehicles presented on the market have done away with carburetors rather than fuel injection.