

Fuel Systems for Forklifts

Forklift Fuel System - The fuel system is responsible for feeding your engine the diesel or gasoline it needs so as to run. If any of the different parts in the fuel system break down, your engine will not work right. There are the main 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 downward the gas hose into your tank. In the tank there is a sending unit. This is what tells the gas gauge the amount of gas is in the tank.

Fuel Pump: In the majority of newer cars, the fuel pump is usually located inside the fuel tank. Many older vehicles have the fuel pump connected to the engine or placed on the frame rail between the tank and the engine. If the pump is within the tank or on the frame rail, therefore it is electric and works with electricity from your cars' battery, whereas fuel pumps which are attached to the engine make use of the motion of the engine in order to pump the fuel.

Fuel Filter: Clean fuel is very important for engine performance and overall engine life. Fuel injectors have tiny openings that can clog very easily. Filtering the fuel is the only way this can be prevented. Filters could be found either before or after the fuel pump and in various instances both places.

Fuel Injectors: Most domestic cars made after the year 1986, came from the factory with fuel injection. A computer control opens the fuel injectors to be able to allow fuel into the engine, which replaced the carburetor who's task originally was to perform the mixing of the air and fuel. This has resulted in better fuel economy and lower emissions overall. The fuel injector is essentially a small electric valve that closes and 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 task of taking the fuel and mixing it with the air without whatever involvement from a computer. Carburetors need regular tuning and rebuilding although they are easy to operate. This is among the main reasons the newer vehicles existing on the market have done away with carburetors in favor of fuel injection.