

Forklift Fuel System

Forklift Fuel System - The fuel system is responsible for supplying your engine the diesel or gasoline it requires to be able to work. If whatever of the individual components in the fuel system break down, your engine will not function correctly. 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 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 within the tank.

Fuel Pump: In nearly all newer cars, the fuel pump is normally placed within the fuel tank. Many older vehicles have the fuel pump attached to the engine or placed on the frame rail amid the tank and the engine. If the pump is on the frame rail or within the tank, then it is electric and operates with electricity from your cars' battery, while fuel pumps that are attached to the engine use the motion of the engine so as to pump the fuel.

Fuel Filter: For overall engine life and performance, clean fuel is essential. The fuel injector is made up of tiny holes that block effortlessly. Filtering the fuel is the only way this can be prevented. Filters could be found either after or before the fuel pump and in some instances both places.

Fuel Injectors: Nearly all domestic cars made after the year 1986, came from the factory with fuel injection. A computer control opens the fuel injectors to allow fuel into the engine, which replaced the carburetor who's task initially was to carry out the mixing of the fuel and air. This has caused lower emission overall and better fuel economy. The fuel injector is basically 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 inside tiny particles, and can burn better when ignited by the spark plug.

Carburetors: Carburetors have the job of taking the fuel and mixing it with the air without any involvement from a computer. Carburetors require repeated rebuilding and retuning though they are easy to operate. This is amongst the main reasons the newer vehicles on the market have done away with carburetors rather than fuel injection.