

Fuel Systems for Forklifts

Forklift Fuel Systems - The fuel system is responsible for providing your engine the diesel or gasoline it needs so as to function. If whatever of the different parts in the fuel system break down, your engine would not run correctly. There are the major components of the fuel system listed below:

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 newer cars, the majority contain fuel pumps typically placed inside the fuel tank. Many of the older automobiles would attach the fuel pump to the engine or located on the frame next to the engine and tank. If the pump is on the frame rail or within the tank, therefore 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: Clean fuel is vital for overall engine life and engine performance. Fuel injectors have tiny openings that could clog without difficulty. Filtering the fuel is the only way this can be avoided. Filters can be found either after or before the fuel pump and in various 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, that replaced the carburetor who's job originally was to carry out the mixing of the air and fuel. This has resulted in better fuel economy and lower emissions overall. The fuel injector is basically a tiny electric valve which opens closes with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or inside small 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 any intervention from a computer. Carburetors require frequent rebuilding and retuning even if they are simple to work. This is among the main reasons the newer vehicles on the market have done away with carburetors in favor of fuel injection.