

Fuel Systems for Forklifts

Forklift Fuel System - The fuel systems job is to provide your engine with the gasoline or diesel it needs so as to function. If whichever of the fuel system components breaks down, your engine will not run right. There are the major components of the fuel system listed underneath:

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. 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 newer cars, most contain fuel pumps usually located in the fuel tank. A lot of the older automobiles would attach the fuel pump to the engine or placed on the frame next to the engine and tank. If the pump is on the frame rail or inside the tank, then it is electric and functions with electricity from your cars' battery, while fuel pumps that are connected 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 very important. The fuel injector is made up of tiny holes which block without difficulty. Filtering the fuel is the only way this could be avoided. Filters could be found either after or before the fuel pump and in some instances both places.

Fuel Injectors: The majority of domestic cars made after the year 1986, came from the factory with fuel injection. A computer control opens the fuel injectors in order to allow fuel into the engine, which replaced the carburetor who's job originally was to carry out the mixing of the fuel and air. This has caused better fuel economy and lower emissions overall. The fuel injector is really 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 within small particles, and can burn better when ignited by the spark plug.

Carburetors: Carburetors have the task of taking the fuel and mixing it with the air without whichever involvement from a computer. Carburetors need regular rebuilding and retuning although they are easy to operate. This is among the main reasons the newer vehicles offered on the market have done away with carburetors in favor of fuel injection.