

Fuel Systems for Forklifts

Forklift Fuel System - The fuel systems task is to provide your engine with the gasoline or diesel it requires so as to run. If any of the fuel system parts breaks down, your engine would not run properly. There are the main parts 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. Within the tank there is a sending unit. This is what tells the gas gauge the amount of gas is inside the tank.

Fuel Pump: In newer cars, most contain fuel pumps usually positioned inside the fuel tank. Many of the older automobiles will connect the fuel pump to the engine or positioned on the frame next to the tank and engine. If the pump is on the frame rail or inside the tank, then it is electric and operates with electricity from your cars' battery, whereas fuel pumps which are attached to the engine utilize the motion of the engine so as to pump the fuel.

Fuel Filter: Clean fuel is very important for overall engine life and engine performance. Fuel injectors have small openings which can clog with no trouble. Filtering the fuel is the only way this can be avoided. Filters can be found either before or after the fuel pump and in several 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 in order to allow fuel into the engine, that replaced the carburetor who's task 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 that closes and opens with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or in small particles, and is able to 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 regular rebuilding and retuning although they are simple to operate. This is among the main reasons the newer vehicles on the market have done away with carburetors in favor of fuel injection.