

Fuel Systems for Forklifts

Forklift Fuel System - The fuel system is responsible for feeding your engine the gasoline or diesel it requires in order to run. If any of the separate parts in the fuel system break down, your engine will not work properly. There are the main 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 downward the gas hose into your tank. Inside 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 the majority of newer cars, the fuel pump is typically placed in the fuel tank. Many older vehicles have the fuel pump connected to the engine or placed on the frame rail among the engine and the tank. If the pump is inside the tank or on the frame rail, then it is electric and runs with electricity from your cars' battery, while fuel pumps that are connected to the engine make use of the motion of the engine in order to pump the fuel.

Fuel Filter: Clean fuel is essential for overall engine life and engine performance. Fuel injectors have tiny openings that can block without difficulty. Filtering the fuel is the only way this could be prevented. Filters can be found either after or before the fuel pump and in some instances both places.

Fuel Injectors: Nearly all domestic cars after the year 1986, together with earlier foreign cars came from the factory with fuel injection. Instead of a carburetor to do the task of mixing the air and the fuel, a computer controls when the fuel injectors open to allow fuel into the engine. This has resulted in better fuel economy and lower emissions overall. The fuel injector is really a small electric valve which 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 job of taking the fuel and mixing it with the air without whatever intervention from a computer. Carburetors require regular rebuilding and retuning even though they are easy to work. This is one of the main reasons the newer vehicles on the market have done away with carburetors in favor of fuel injection.