

Forklift Fuel Systems

Forklift Fuel System - The fuel system is responsible for providing your engine the gasoline or diesel it requires to be able to work. If whichever of the different components in the fuel system break down, your engine will not work right. There are the major components of the fuel system listed underneath:

Fuel Tank: The fuel tank is a holding cell for your fuel. When filling up at a gas station, the fuel travels downward the gas hose and into your tank. Within the tank there is a sending unit. This is what tells the gas gauge the amount of gas is within the tank.

Fuel Pump: In newer cars, nearly all contain fuel pumps usually positioned in the fuel tank. Many of the older automobiles will connect the fuel pump to the engine or placed on the frame next to the engine and tank. If the pump is in the tank or on the frame rail, therefore it is electric and works with electricity from your cars' battery, whereas fuel pumps which are attached to the engine make use of the motion of the engine so as to pump the fuel.

Fuel Filter: Clean fuel is vital for engine performance and overall engine life. Fuel injectors have small openings which can clog very easily. Filtering the fuel is the only way this could be prevented. Filters could be found either after or before the fuel pump and in some instances both places.

Fuel Injectors: Most domestic cars made after 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 job initially 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 essentially a small electric valve which opens closes with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or inside tiny 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 any intervention from a computer. Carburetors require regular tuning and rebuilding even if they are easy to work. This is one of the main reasons the newer vehicles on the market have done away with carburetors rather than fuel injection.