

Fuel Systems for Forklifts

Forklift Fuel System - The fuel system is responsible for providing your engine the gasoline or diesel it needs to be able to work. If whichever of the individual parts in the fuel system break down, your engine would not run properly. There are the major parts 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 down the gas hose and into your tank. Within the tank there is a sending unit. This is what tells the gas gauge how much gas is in the tank.

Fuel Pump: In the majority of newer cars, the fuel pump is normally situated inside the fuel tank. Several older vehicles have the fuel pump connected to the engine or placed on the frame rail among the tank and the engine. 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 utilize the motion of the engine in order to pump the fuel.

Fuel Filter: For performance and overall engine life, clean fuel is essential. The fuel injector is made up of small holes which block without problems. Filtering the fuel is the only way this could be avoided. Filters can be found either before or after the fuel pump and in some 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 to allow fuel into the engine, that replaced the carburetor who's task originally was to perform the mixing of the fuel and air. This has resulted in better fuel economy and lower emissions overall. The fuel injector is basically 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 within 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 whichever intervention from a computer. Carburetors require regular tuning and rebuilding though they are easy to work. This is among the main reasons the newer vehicles on the market have done away with carburetors instead of fuel injection.