

Fuel Systems for Forklifts

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

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 how much gas is inside the tank.

Fuel Pump: In the majority of newer cars, the fuel pump is normally located inside the fuel tank. Several older vehicles have the fuel pump connected to the engine or located on the frame rail amid the tank and the engine. If the pump is on the frame rail or within the tank, therefore it is electric and runs with electricity from your cars' battery, while fuel pumps which are connected to the engine make use of the motion of the engine to be able to pump the fuel.

Fuel Filter: For performance and overall engine life, clean fuel is vital. The fuel injector is made up of tiny holes which clog effortlessly. Filtering the fuel is the only way this can be avoided. Filters could be found either before or after the fuel pump and in some instances both places.

Fuel Injectors: The majority of domestic cars made after 1986, came from the factory with fuel injection. A computer control opens the fuel injectors so as to allow fuel into the engine, that replaced the carburetor who's task initially was to perform the mixing of the air and fuel. This has caused better fuel economy and lower emissions overall. The fuel injector is basically a small 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 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 any involvement from a computer. Carburetors need frequent tuning and rebuilding even though they are easy to operate. This is among the main reasons the newer vehicles on the market have done away with carburetors instead of fuel injection.