

Fuel Systems for Forklifts

Forklift Fuel System - The fuel systems task is to provide your engine with the diesel or gasoline it requires in order to function. If any of the fuel system parts breaks down, your engine will not work correctly. There are the major parts of the fuel system listed under:

Fuel Tank: The fuel tank is a holding cell intended for your fuel. When filling up at a gas station, the fuel travels down the gas hose and into your tank. Inside the tank there is a sending unit. This is what tells the gas gauge how much gas is within the tank.

Fuel Pump: In nearly all newer cars, the fuel pump is usually placed in the fuel tank. Many older vehicles have the fuel pump attached to the engine or placed on the frame rail between the tank and the engine. If the pump is on the frame rail or in the tank, therefore it is electric and operates with electricity from your cars' battery, while fuel pumps that are connected to the engine utilize the motion of the engine so as to pump the fuel.

Fuel Filter: Clean fuel is vital for overall engine life and engine performance. Fuel injectors have tiny openings that can block effortlessly. 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: The majority of domestic cars made after 1986, came from the factory with fuel injection. A computer control opens the fuel injectors in order to allow fuel into the engine, which replaced the carburetor who's task originally was to perform the mixing of the air and fuel. This has caused better fuel economy and lower emissions overall. The fuel injector is essentially a small electric valve which closes opens with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or inside tiny particles, and can burn better when ignited by the spark plug.

Carburetors: Carburetor work to be able to mix the fuel with the air without any computer intervention. These devices are fairly simple to function but do need regular rebuilding and retuning. This is amongst the main reasons the newer vehicles existing on the market have done away with carburetors rather than fuel injection.