

Fuel Systems for Forklifts

Forklift Fuel System - The fuel system is responsible for supplying your engine the gasoline or diesel it requires in order to function. If whatever of the separate components in the fuel system break down, your engine will not work properly. There are the major components 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 downward 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 inside the tank.

Fuel Pump: In nearly all newer cars, the fuel pump is usually situated in the fuel tank. A lot of older vehicles have the fuel pump attached to the engine or positioned on the frame rail between 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, whereas fuel pumps that are attached to the engine use the motion of the engine in order to pump the fuel.

Fuel Filter: For overall engine life and performance, clean fuel is vital. The fuel injector is made up of small holes which clog without problems. Filtering the fuel is the only way this could be avoided. Filters can be found either after or before the fuel pump and in various 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 initially 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 essentially a small electric valve that closes opens with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or inside small particles, and could 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 involvement from a computer. Carburetors need frequent rebuilding and retuning though they are easy to operate. This is one of the main reasons the newer vehicles presented on the market have done away with carburetors rather than fuel injection.