

Fuel System for Forklift

Forklift Fuel System - The fuel system is responsible for providing your engine the gasoline or diesel it requires in order to work. If any of the separate parts in the fuel system break down, your engine will not run properly. There are the main components of the fuel system listed below:

Fuel Tank: The fuel tank is a holding cell for your fuel. When filling up at a gas station, the fuel travels down the gas hose and into your tank. In 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 the majority of newer cars, the fuel pump is normally located inside the fuel tank. Many older vehicles have the fuel pump connected 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, then it is electric and operates with electricity from your cars' battery, whereas fuel pumps that are connected to the engine utilize the motion of the engine to be able to pump the fuel.

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

Fuel Injectors: The majority of domestic cars made after the year 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 carry out the mixing of the fuel and air. This has caused better fuel economy and lower emissions overall. The fuel injector is really a small electric valve that 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 job of taking the fuel and mixing it with the air without whatever involvement from a computer. Carburetors need repeated tuning and rebuilding though they are easy to operate. This is amongst the main reasons the newer vehicles on the market have done away with carburetors rather than fuel injection.