

Forklift Fuel System

Fuel System for Forklift - The fuel system is responsible for providing your engine the gasoline or diesel it requires so as to run. If whatever of the separate components in the fuel system break down, your engine would not work right. There are the main components of the fuel system listed under:

Fuel Tank: The fuel tank holds the fuel. The fuel from the gas station pump, moves from the tank travels down the gas hose into your tank. Inside the tank there is a sending unit. This is what tells the gas gauge how much gas is in the tank.

Fuel Pump: In newer cars, nearly all contain fuel pumps typically located in the fuel tank. Many of the older automobiles would connect the fuel pump to the engine or located on the frame next to the tank and engine. If the pump is on the frame rail or within the tank, therefore it is electric and works with electricity from your cars' battery, whereas fuel pumps that are mounted to the engine utilize the motion of the engine to be able to pump the fuel.

Fuel Filter: For overall engine life and performance, clean fuel is very important. The fuel injector is made up of tiny holes which block 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 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 to be able to allow fuel into the engine, that replaced the carburetor who's task initially was to perform the mixing of the fuel and air. This has caused better fuel economy and lower emissions overall. The fuel injector is essentially a small electric valve which opens and closes with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or inside small 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 any intervention from a computer. Carburetors require repeated rebuilding and retuning even though they are simple to work. This is one of the main reasons the newer vehicles available on the market have done away with carburetors in favor of fuel injection.