

Forklift Fuel Systems

Forklift Fuel System - The fuel system is responsible for providing your engine the diesel or gasoline it requires in order to function. If any of the specific 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 holds the fuel. The fuel from the gas station pump, moves from the tank travels down the gas hose into your tank. In the tank there is a sending unit. This is what tells the gas gauge how much gas is inside the tank.

Fuel Pump: In newer cars, the majority contain fuel pumps typically located within the fuel tank. Many of the older automobiles will attach the fuel pump to the engine or located on the frame next to the tank and engine. If the pump is in the tank or on the frame rail, then it is electric and works with electricity from your cars' battery, while fuel pumps which are mounted 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 small openings that can clog very easily. Filtering the fuel is the only way this can be prevented. Filters could be found either after or before the fuel pump and in various instances both places.

Fuel Injectors: Most domestic cars made after 1986, came from the factory with fuel injection. A computer control opens the fuel injectors to allow fuel into the engine, which replaced the carburetor who's task initially was to perform the mixing of the air and fuel. This has caused lower emission overall and better fuel economy. 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 could burn better when ignited by the spark plug.

Carburetors: Carburetor function in order to mix the fuel with the air without whichever computer intervention. These tools are rather easy to function but do require regular tuning and rebuilding. This is one of the main reasons the newer vehicles on the market have done away with carburetors instead of fuel injection.