

Fuel Systems for Forklifts

Forklift Fuel System - The fuel system is responsible for providing your engine the diesel or gasoline it needs so as to run. If whichever of the specific components in the fuel system break down, your engine would not run right. There are the main parts 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 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 newer cars, nearly all contain fuel pumps typically positioned within the fuel tank. A lot of the older automobiles will attach the fuel pump to the engine or placed on the frame next to the engine and tank. If the pump is on the frame rail or inside the tank, then it is electric and works with electricity from your cars' battery, whereas fuel pumps which are connected to the engine use the motion of the engine in order to pump the fuel.

Fuel Filter: Clean fuel is very important for engine performance and overall engine life. Fuel injectors have small openings which can clog without problems. Filtering the fuel is the only way this can be avoided. Filters could be found either after or before the fuel pump and in some instances both places.

Fuel Injectors: Nearly all 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, that replaced the carburetor who's job initially was to carry out the mixing of the fuel and air. This has caused lower emission overall and better fuel economy. The fuel injector is essentially a small electric valve that 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 could 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 intervention from a computer. Carburetors require repeated tuning and rebuilding even if they are easy to operate. This is one of the main reasons the newer vehicles available on the market have done away with carburetors instead of fuel injection.