

Fuel Systems for Forklifts

Forklift Fuel System - The fuel system is responsible for supplying your engine the gasoline or diesel it needs so as to run. If any of the specific parts in the fuel system break down, your engine will not run right. There are the main components of the fuel system listed beneath:

Fuel Tank: The fuel tank is a holding cell for your fuel. When filling up at a gas station, the fuel travels downward 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 newer cars, nearly all contain fuel pumps normally located inside the fuel tank. Several of the older automobiles would connect the fuel pump to the engine or positioned on the frame next to the tank and engine. 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 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 essential. The fuel injector is made up of tiny holes which clog without difficulty. Filtering the fuel is the only way this could be avoided. Filters could be found either before or after the fuel pump and in various instances both places.

Fuel Injectors: Most domestic cars after the year 1986, along with earlier foreign cars came from the factory with fuel injection. Instead of a carburetor to do the job of mixing the fuel and the air, a computer controls when the fuel injectors open to allow fuel into the engine. This has caused better fuel economy and lower emissions overall. The fuel injector is basically a small electric valve that closes and opens with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or within 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 whichever intervention from a computer. Carburetors require repeated 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.