

Fuel Systems for Forklifts

Forklift Fuel Systems - The fuel systems job is to provide your engine with the diesel or gasoline it needs in order to work. If any of the fuel system components breaks down, your engine will not run properly. There are the main components of the fuel system listed underneath:

Fuel Tank: The fuel tank is a holding cell intended 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 newer cars, most contain fuel pumps normally positioned inside the fuel tank. Several of the older automobiles will connect the fuel pump to the engine or placed on the frame next to the tank and engine. If the pump is on the frame rail or in the tank, then it is electric and works with electricity from your cars' battery, while fuel pumps that are connected to the engine use the motion of the engine so as to pump the fuel.

Fuel Filter: For performance and overall engine life, clean fuel is essential. The fuel injector is made up of tiny holes which block effortlessly. Filtering the fuel is the only way this can be prevented. Filters can be found either before or after the fuel pump and in some instances both places.

Fuel Injectors: Nearly all 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 originally was to perform the mixing of the fuel and air. This has resulted in lower emission overall and better fuel economy. The fuel injector is basically a tiny electric valve that closes and opens 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 intervention from a computer. Carburetors require repeated tuning and rebuilding even though they are easy to work. This is one of the main reasons the newer vehicles on the market have done away with carburetors rather than fuel injection.