

Fuel Systems for Forklifts

Forklift Fuel System - The fuel systems job is to provide your engine with the diesel or gasoline it requires to be able to function. If whichever of the fuel system parts breaks down, your engine will not run properly. There are the main parts of the fuel system listed below:

Fuel Tank: The fuel tank is a holding cell intended for your fuel. When filling up at a gas station, the fuel travels downward the gas hose and into your tank. Inside 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 typically located inside the fuel tank. A lot of the older automobiles will attach the fuel pump to the engine or positioned on the frame next to the engine and tank. If the pump is within the tank or on the frame rail, then it is electric and operates with electricity from your cars' battery, whereas fuel pumps that are attached to the engine utilize the motion of the engine so as to pump the fuel.

Fuel Filter: Clean fuel is essential for overall engine life and engine performance. Fuel injectors have tiny openings which could block without difficulty. Filtering the fuel is the only way this can be avoided. Filters can be found either after or before the fuel pump and in various instances both places.

Fuel Injectors: Most domestic cars made after the year 1986, came from the factory with fuel injection. A computer control opens the fuel injectors to be able to allow fuel into the engine, which replaced the carburetor who's task initially was to carry out the mixing of the air and fuel. This has caused lower emission overall and better fuel economy. The fuel injector is basically a tiny electric valve that opens closes with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or within tiny particles, and can 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 frequent tuning and rebuilding although they are simple to operate. This is one of the main reasons the newer vehicles offered on the market have done away with carburetors rather than fuel injection.