

Fuel Systems for Forklifts

Fuel System for Forklift - The fuel system is responsible for providing your engine the diesel or gasoline it needs in order to work. If any of the different parts in the fuel system break down, your engine will not function right. There are the main parts of the fuel system listed beneath:

Fuel Tank: The fuel tank is a holding cell meant 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 inside the tank.

Fuel Pump: In newer cars, nearly all contain fuel pumps normally placed in the fuel tank. Many 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 in the tank or on the frame rail, therefore it is electric and operates with electricity from your cars' battery, whereas fuel pumps which are mounted to the engine make use of the motion of the engine so as to pump the fuel.

Fuel Filter: Clean fuel is vital for engine performance and overall engine life. Fuel injectors have tiny openings which can clog without difficulty. Filtering the fuel is the only way this could be prevented. Filters can be found either after or before the fuel pump and in several 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 be able to allow fuel into the engine, that replaced the carburetor who's task originally was to carry out the mixing of the fuel and air. This has caused better fuel economy and lower emissions overall. The fuel injector is basically a small electric valve which opens closes 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 to be able to mix the air with the fuel without any computer involvement. These tools are somewhat easy to work but do need frequent rebuilding and retuning. This is among the main reasons the newer vehicles available on the market have done away with carburetors rather than fuel injection.