Fuel Systems for Forklifts

Forklift Fuel System - The fuel system is responsible for feeding your engine the diesel or gasoline it requires in order to work. If whatever of the individual components in the fuel system break down, your engine will not function right. There are the main parts of the fuel system listed under:

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. 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, most contain fuel pumps normally positioned in the fuel tank. Several of the older automobiles would connect 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 within the tank, then it is electric and runs with electricity from your cars' battery, while fuel pumps which are mounted to the engine use the motion of the engine so as to pump the fuel.

Fuel Filter: Clean fuel is vital for overall engine life and engine performance. Fuel injectors have small openings that could block effortlessly. Filtering the fuel is the only way this can be prevented. Filters could be found either after or before the fuel pump and in some instances both places.

Fuel Injectors: Most domestic cars after 1986, together with earlier foreign cars came from the factory with fuel injection. In place of a carburetor to carry out the task of mixing the fuel and the air, a computer controls when the fuel injectors open in order to let fuel into the engine. This has resulted in lower emission overall and better fuel economy. The fuel injector is essentially 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 inside tiny 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 whatever involvement from a computer. Carburetors need repeated rebuilding and retuning though they are simple to work. This is amongst the main reasons the newer vehicles offered on the market have done away with carburetors rather than fuel injection.