Forklift Fuel System

Forklift Fuel System - The fuel system is responsible for supplying your engine the diesel or gasoline it needs in order to work. If any of the individual parts in the fuel system break down, your engine would not run right. There are the main parts of the fuel system listed under:

Fuel Tank: The fuel tank holds the fuel. The fuel from the gas station pump, moves from the tank travels down the gas hose into your tank. In the tank there is a sending unit. This is what tells the gas gauge the amount of gas is in the tank.

Fuel Pump: In newer cars, most contain fuel pumps typically positioned within the fuel tank. Many of the older automobiles will connect the fuel pump to the engine or located on the frame next to the engine and tank. If the pump is on the frame rail or inside the tank, therefore it is electric and works with electricity from your cars' battery, whereas fuel pumps which are mounted to the engine utilize the motion of the engine so as to pump the fuel.

Fuel Filter: Clean fuel is very important for engine performance and overall engine life. Fuel injectors have small openings which could clog very easily. Filtering the fuel is the only way this can be avoided. Filters can be found either after or before the fuel pump and in some instances both places.

Fuel Injectors: Nearly all domestic cars after the year 1986, along with earlier foreign cars came from the factory with fuel injection. Instead 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 allow fuel into the engine. This has caused lower emission overall and better fuel economy. The fuel injector is essentially a tiny electric valve which closes and opens with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or inside small particles, and can burn better when ignited by the spark plug.

Carburetors: Carburetors have the task of taking the fuel and mixing it with the air without any involvement from a computer. Carburetors require frequent rebuilding and retuning although they are easy to work. This is among the main reasons the newer vehicles on the market have done away with carburetors instead of fuel injection.