Forklift Fuel Systems

Forklift Fuel System - The fuel systems job is to supply your engine with the gasoline or diesel it requires to be able to run. If any of the fuel system parts breaks down, your engine would not work right. There are the main components of the fuel system listed below:

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 how much gas is in the tank.

Fuel Pump: In most newer cars, the fuel pump is usually placed in the fuel tank. Various older vehicles have the fuel pump connected to the engine or placed on the frame rail between the tank and the engine. If the pump is on the frame rail or within the tank, then it is electric and works with electricity from your cars' battery, whereas fuel pumps that are attached to the engine use the motion of the engine to be able to pump the fuel.

Fuel Filter: Clean fuel is very important for engine performance and overall engine life. Fuel injectors have tiny openings that can clog without difficulty. Filtering the fuel is the only way this can be avoided. 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 1986, came from the factory with fuel injection. A computer control opens the fuel injectors so as to allow fuel into the engine, that replaced the carburator who's job initially was to carry out the mixing of the fuel and air. This has resulted in better fuel economy and lower emissions overall. The fuel injector is basically a tiny electric valve that closes opens with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or in small particles, and could 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 involvement from a computer. Carburetors require repeated rebuilding and retuning although they are simple to work. This is one of the main reasons the newer vehicles offered on the market have done away with carburetors instead of fuel injection.