Forklift Fuel Systems

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

Fuel Tank: The fuel tank is a holding cell for your fuel. When filling up at a gas station, the fuel travels down the gas hose and into your tank. Within the tank there is a sending unit. This is what tells the gas gauge how much gas is inside the tank.

Fuel Pump: In newer cars, most contain fuel pumps usually positioned inside the fuel tank. Many of the older automobiles will attach the fuel pump to the engine or located on the frame next to the tank and engine. If the pump is inside the tank or on the frame rail, then it is electric and functions with electricity from your cars' battery, whereas fuel pumps that are connected to the engine utilize the motion of the engine so as to pump the fuel.

Fuel Filter: For performance and overall engine life, clean fuel is very important. The fuel injector is made up of tiny holes that block without problems. Filtering the fuel is the only way this can be prevented. Filters can be found either after or before the fuel pump and in some instances both places.

Fuel Injectors: The majority of domestic cars after the year 1986, along with earlier foreign cars came from the factory with fuel injection. Instead of a carburetor to perform the task of mixing the air and the fuel, a computer controls when the fuel injectors open to let fuel into the engine. This has resulted in lower emission overall and better fuel economy. The fuel injector is really a small electric valve that opens and closes with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or in small particles, and is able to burn better when ignited by the spark plug.

Carburetors: Carburetor work to mix the fuel with the air without whatever computer intervention. These devices are rather easy to work but do need frequent rebuilding and retuning. This is amongst the main reasons the newer vehicles existing on the market have done away with carburetors instead of fuel injection.