Fuel Systems for Forklifts

Forklift Fuel Systems - The fuel system is responsible for providing your engine the diesel or gasoline it requires in order to function. If any of the separate parts in the fuel system break down, your engine would not function right. There are the main components of the fuel system listed underneath:

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. In the tank there is a sending unit. This is what tells the gas gauge how much gas is inside the tank.

Fuel Pump: In the majority of newer cars, the fuel pump is usually placed within the fuel tank. A lot of older vehicles have the fuel pump attached to the engine or located on the frame rail among the engine and the tank. If the pump is inside the tank or on the frame rail, then it is electric and operates with electricity from your cars' battery, while fuel pumps which are attached to the engine use the motion of the engine in order to pump the fuel.

Fuel Filter: For overall engine life and performance, clean fuel is vital. The fuel injector is made up of tiny holes that block easily. Filtering the fuel is the only way this could be avoided. Filters could be found either after or before 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 to allow fuel into the engine, that replaced the carburator who's job originally was to carry out the mixing of the air and fuel. This has caused lower emission overall and better fuel economy. The fuel injector is essentially a tiny 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 could burn better when ignited by the spark plug.

Carburetors: Carburetor work to be able to mix the fuel with the air without whatever computer intervention. These devices are quite simple to operate but do need regular tuning and rebuilding. This is among the main reasons the newer vehicles existing on the market have done away with carburetors instead of fuel injection.