Forklift Fuel Systems

Forklift Fuel System - The fuel system is responsible for supplying your engine the diesel or gasoline it needs in order to work. If whatever of the different parts in the fuel system break down, your engine will not function properly. There are the major parts of the fuel system listed underneath:

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 inside the tank.

Fuel Pump: In the majority of newer cars, the fuel pump is normally placed inside the fuel tank. Several older vehicles have the fuel pump connected to the engine or placed on the frame rail amid the tank and the engine. If the pump is in the tank or on the frame rail, then it is electric and functions with electricity from your cars' battery, while fuel pumps that are mounted to the engine use the motion of the engine so as to pump the fuel.

Fuel Filter: Clean fuel is essential for overall engine life and engine performance. Fuel injectors have small openings that could clog with no trouble. Filtering the fuel is the only way this can be prevented. Filters could be found either after or before the fuel pump and in several instances both places.

Fuel Injectors: The majority of domestic cars made after the year 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 originally was to perform the mixing of the fuel and air. This has caused lower emission overall and better fuel economy. The fuel injector is really 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: Carburetors have the task of taking the fuel and mixing it with the air without whatever involvement from a computer. Carburetors require frequent tuning and rebuilding although they are easy to work. This is one of the main reasons the newer vehicles existing on the market have done away with carburetors rather than fuel injection.