Forklift Fuel System

Forklift Fuel System - The fuel system is responsible for supplying your engine the diesel or gasoline it needs to be able to work. If whichever of the different components in the fuel system break down, your engine would not work right. There are the major components of the fuel system listed below:

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. 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 the majority of 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 engine and the tank. 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 which are mounted to the engine make use of 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 effortlessly. Filtering the fuel is the only way this could be prevented. Filters could be found either after or before the fuel pump and in several instances both places.

Fuel Injectors: Most domestic cars after 1986, along with earlier foreign cars came from the factory with fuel injection. In place of a carburetor to perform the job of mixing the fuel and the air, a computer controls when the fuel injectors open to allow fuel into the engine. This has resulted in better fuel economy and lower emissions overall. The fuel injector is essentially a small electric valve which opens closes with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or in small particles, and can 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 intervention from a computer. Carburetors require frequent rebuilding and retuning even if they are easy to work. This is amongst the main reasons the newer vehicles on the market have done away with carburetors rather than fuel injection.