Fuel Systems for Forklifts

Forklift Fuel Systems - The fuel system is responsible for providing your engine the diesel or gasoline it needs in order to work. If whichever of the individual components in the fuel system break down, your engine would not function right. There are the main components of the fuel system listed under:

Fuel Tank: The fuel tank is a holding cell intended 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 the amount of gas is inside the tank.

Fuel Pump: In the majority of newer cars, the fuel pump is usually placed within the fuel tank. Numerous older vehicles have the fuel pump attached to the engine or placed on the frame rail amid the engine and the tank. If the pump is inside the tank or on the frame rail, then it is electric and runs with electricity from your cars' battery, while fuel pumps which are mounted to the engine use the motion of the engine so as to pump the fuel.

Fuel Filter: Clean fuel is vital for overall engine life and engine performance. Fuel injectors have tiny openings which could block without problems. Filtering the fuel is the only way this can be prevented. Filters could be found either before or after the fuel pump and in some instances both places.

Fuel Injectors: The majority of domestic cars after 1986, together with earlier foreign cars came from the factory with fuel injection. Instead of a carburetor to do 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 caused lower emission overall and better fuel economy. The fuel injector is basically a small electric valve which opens and closes with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or within tiny particles, and is able to burn better when ignited by the spark plug.

Carburetors: Carburetors have the job of taking the fuel and mixing it with the air without whatever intervention from a computer. Carburetors require regular tuning and rebuilding even though they are simple to work. This is one of the main reasons the newer vehicles on the market have done away with carburetors in favor of fuel injection.