Forklift Fuel Systems

Forklift Fuel Systems - The fuel system is responsible for supplying your engine the gasoline or diesel it needs to be able to work. If any of the different parts in the fuel system break down, your engine would not run right. There are the main components of the fuel system listed beneath:

Fuel Tank: The fuel tank is a holding cell meant for your fuel. When filling up at a gas station, the fuel travels down 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 within the tank.

Fuel Pump: In newer cars, the majority contain fuel pumps usually positioned inside the fuel tank. A lot of the older automobiles will attach the fuel pump to the engine or positioned on the frame next to the tank and engine. If the pump is on the frame rail or inside the tank, therefore it is electric and runs with electricity from your cars' battery, while fuel pumps that are connected to the engine make use of the motion of the engine so as to pump the fuel.

Fuel Filter: For overall engine life and performance, clean fuel is very important. The fuel injector is made up of small holes which block 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 some instances both places.

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

Carburetors: Carburetors have the task of taking the fuel and mixing it with the air without whichever intervention from a computer. Carburetors require repeated tuning and rebuilding even though they are easy to operate. This is one of the main reasons the newer vehicles offered on the market have done away with carburetors in favor of fuel injection.