Forklift Fuel Systems

Fuel Systems for Forklifts - The fuel system is responsible for supplying your engine the diesel or gasoline it needs to be able to work. If any of the individual components in the fuel system break down, your engine will not work correctly. There are the major parts of the fuel system listed beneath:

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

Fuel Pump: In newer cars, most contain fuel pumps normally placed inside the fuel tank. Several of the older automobiles will attach the fuel pump to the engine or placed on the frame next to the engine and 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, whereas fuel pumps that are connected to the engine utilize the motion of the engine in order to pump the fuel.

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

Fuel Injectors: The majority of domestic cars after the year 1986, together with earlier foreign cars came from the factory with fuel injection. Instead of a carburetor to do the job of mixing the fuel and the air, 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 really a tiny electric valve which closes opens with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or in small particles, and is able to 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 need repeated tuning and rebuilding though they are easy to work. This is amongst the main reasons the newer vehicles available on the market have done away with carburetors rather than fuel injection.