Forklift Fuel Systems

Forklift Fuel Systems - The fuel systems task is to provide your engine with the gasoline or diesel it needs to be able to function. If any of the fuel system components breaks down, your engine would not work properly. There are the main components of the fuel system listed below:

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 the amount of gas is in the tank.

Fuel Pump: In newer cars, the majority contain fuel pumps normally placed within 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 in the tank or on the frame rail, therefore it is electric and operates with electricity from your cars' battery, while fuel pumps that are mounted to the engine use the motion of the engine to be able to pump the fuel.

Fuel Filter: For overall engine life and performance, clean fuel is vital. The fuel injector is made up of small holes which block effortlessly. Filtering the fuel is the only way this can be avoided. Filters could be found either before or after the fuel pump and in some instances both places.

Fuel Injectors: Most domestic cars after the year 1986, together with earlier foreign cars came from the factory with fuel injection. Instead of a carburetor to perform the task of mixing the air and the fuel, a computer controls when the fuel injectors open so as to let fuel into the engine. This has resulted in better fuel economy and lower emissions overall. The fuel injector is essentially a tiny electric valve which 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: Carburetor work so as to mix the air with the fuel without whichever computer intervention. These devices are somewhat easy to work but do require frequent rebuilding and retuning. This is amongst the main reasons the newer vehicles on the market have done away with carburetors rather than fuel injection.