Forklift Fuel Systems

Forklift Fuel System - The fuel system is responsible for providing your engine the gasoline or diesel it requires in order to work. If whichever of the different components in the fuel system break down, your engine would not function correctly. There are the major components of the fuel system listed under:

Fuel Tank: The fuel tank holds the fuel. The fuel from the gas station pump, moves from the tank travels downward 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 inside the tank.

Fuel Pump: In newer cars, most contain fuel pumps usually 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 on the frame rail or in the tank, therefore it is electric and functions with electricity from your cars' battery, whereas fuel pumps which are connected to the engine make use of the motion of the engine in order to pump the fuel.

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

Fuel Injectors: Most domestic cars after the year 1986, along with earlier foreign cars came from the factory with fuel injection. Instead of a carburetor to carry out the task of mixing the air and the fuel, a computer controls when the fuel injectors open so as to allow fuel into the engine. This has caused lower emission overall and better fuel economy. The fuel injector is basically a tiny electric valve that closes opens with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or within tiny particles, and could 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 frequent rebuilding and retuning even if they are simple to operate. This is one of the main reasons the newer vehicles presented on the market have done away with carburetors rather than fuel injection.