Forklift Fuel Systems

Forklift Fuel Systems - The fuel system is responsible for providing your engine the gasoline or diesel it requires to be able to work. If whatever of the specific components in the fuel system break down, your engine would not function properly. There are the main parts 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 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 the majority of newer cars, the fuel pump is usually placed within the fuel tank. Various older vehicles have the fuel pump connected to the engine or located on the frame rail between the engine and the tank. If the pump is on the frame rail or in the tank, therefore it is electric and runs with electricity from your cars' battery, whereas fuel pumps that are connected to the engine make use of the motion of the engine to be able to pump the fuel.

Fuel Filter: Clean fuel is essential for engine performance and overall engine life. Fuel injectors have tiny openings which could block with no trouble. Filtering the fuel is the only way this can be prevented. Filters could be found either before or after the fuel pump and in various instances both places.

Fuel Injectors: Nearly all domestic cars made after 1986, came from the factory with fuel injection. A computer control opens the fuel injectors to allow fuel into the engine, which replaced the carburator who's job originally was to carry out the mixing of the air and fuel. This has caused lower emission overall and better fuel economy. The fuel injector is essentially a small electric valve that 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 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 involvement from a computer. Carburetors need repeated tuning and rebuilding even though they are simple to work. This is amongst the main reasons the newer vehicles on the market have done away with carburetors instead of fuel injection.