Fuel Systems for Forklifts

Forklift Fuel System - The fuel system is responsible for providing your engine the gasoline or diesel it requires so as to run. If whichever of the specific components in the fuel system break down, your engine would not run properly. There are the major parts of the fuel system listed below:

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. In 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 typically located within the fuel tank. Many 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 within the tank, therefore it is electric and functions with electricity from your cars' battery, while fuel pumps which are connected to the engine make use of the motion of the engine so as to pump the fuel.

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

Fuel Injectors: The majority of 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 perform the mixing of the air and fuel. This has caused 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 inside small particles, and is able to burn better when ignited by the spark plug.

Carburetors: Carburetor function to be able to mix the air with the fuel without whatever computer intervention. These devices are rather easy to function but do require frequent rebuilding and retuning. This is amongst the main reasons the newer vehicles offered on the market have done away with carburetors rather than fuel injection.