Fuel Systems for Forklifts

Forklift Fuel Systems - The fuel system is responsible for supplying your engine the gasoline or diesel it needs so as to run. If whatever of the individual parts in the fuel system break down, your engine will not work correctly. There are the major parts 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. Within 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, nearly all contain fuel pumps usually located in the fuel tank. A lot of the older automobiles would connect the fuel pump to the engine or positioned on the frame next to the engine and tank. If the pump is inside the tank or on the frame rail, therefore it is electric and functions with electricity from your cars' battery, whereas fuel pumps that are connected to the engine make use of the motion of the engine in order to pump the fuel.

Fuel Filter: Clean fuel is essential for engine performance and overall engine life. Fuel injectors have tiny openings which can clog without difficulty. Filtering the fuel is the only way this can be prevented. Filters can be found either after or before the fuel pump and in several 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 initially was to carry out the mixing of the air and fuel. This has caused better fuel economy and lower emissions overall. The fuel injector is really a small electric valve that opens closes with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or within tiny particles, and is able to burn better when ignited by the spark plug.

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