Fuel Systems for Forklifts

Forklift Fuel System - The fuel systems task is to provide your engine with the gasoline or diesel it requires to be able to run. If whichever of the fuel system parts breaks down, your engine would not function correctly. There are the major components of the fuel system listed underneath:

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. Within the tank there is a sending unit. This is what tells the gas gauge the amount of gas is inside the tank.

Fuel Pump: In newer cars, most contain fuel pumps normally positioned in the fuel tank. Many of the older automobiles will attach 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 runs with electricity from your cars' battery, while fuel pumps which are connected to the engine utilize 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 tiny openings that can block very easily. Filtering the fuel is the only way this could be avoided. Filters could be found either after or before the fuel pump and in various instances both places.

Fuel Injectors: Nearly all domestic cars after 1986, along with earlier foreign cars came from the factory with fuel injection. In place of a carburetor to perform the job of mixing the fuel and the air, a computer controls when the fuel injectors open so as to let fuel into the engine. This has resulted in lower emission overall and better fuel economy. The fuel injector is basically 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 inside small particles, and could burn better when ignited by the spark plug.

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