Fuel Systems for Forklifts

Forklift Fuel System - The fuel systems task is to supply your engine with the diesel or gasoline it requires in order to run. If any of the fuel system parts breaks down, your engine will not work properly. There are the main parts 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. 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 nearly all newer cars, the fuel pump is typically located within the fuel tank. Various older vehicles have the fuel pump connected to the engine or located on the frame rail amid the engine and the tank. 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 that are mounted to the engine utilize the motion of the engine so as to pump the fuel.

Fuel Filter: Clean fuel is very important for overall engine life and engine performance. Fuel injectors have small openings which can clog with no trouble. Filtering the fuel is the only way this could be avoided. Filters can be found either before or after the fuel pump and in some 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 so as to allow fuel into the engine, which replaced the carburator who's task originally was to carry out the mixing of the fuel and air. This has caused better fuel economy and lower emissions overall. The fuel injector is basically a small electric valve that closes opens with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or within small particles, and is able to burn better when ignited by the spark plug.

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