Fuel Systems for Forklifts

Fuel Systems for Forklifts - The fuel systems task is to supply your engine with the gasoline or diesel it requires in order to run. If whatever of the fuel system parts breaks down, your engine would not work properly. There are the main 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. In 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 nearly all newer cars, the fuel pump is usually located in the fuel tank. Several older vehicles have the fuel pump attached to the engine or positioned on the frame rail among the tank and the engine. If the pump is on the frame rail or inside the tank, therefore it is electric and runs 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: For performance and overall engine life, clean fuel is essential. The fuel injector is made up of small holes that clog with no trouble. Filtering the fuel is the only way this can be avoided. Filters could be found either before or after the fuel pump and in some instances both places.

Fuel Injectors: The majority of domestic cars after the year 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 allow fuel into the engine. This has resulted in better fuel economy and lower emissions overall. 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 in small particles, and is able to burn better when ignited by the spark plug.

Carburetors: Carburetor function to be able to mix the fuel with the air without whichever computer involvement. These tools are quite simple to work but do require frequent rebuilding and retuning. This is among the main reasons the newer vehicles on the market have done away with carburetors rather than fuel injection.