Fuel System for Forklift

Forklift Fuel Systems - The fuel systems task is to provide your engine with the diesel or gasoline it requires in order to run. If whichever of the fuel system parts breaks down, your engine will not run properly. There are the major parts of the fuel system listed under:

Fuel Tank: The fuel tank is a holding cell intended for your fuel. When filling up at a gas station, the fuel travels downward the gas hose and into your tank. In 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 situated within the fuel tank. Several older vehicles have the fuel pump attached to the engine or placed on the frame rail between the engine and the tank. If the pump is in 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 make use of the motion of the engine so as to pump the fuel.

Fuel Filter: Clean fuel is vital for engine performance and overall engine life. Fuel injectors have tiny openings that can block with no trouble. Filtering the fuel is the only way this can be avoided. Filters could be found either after or before the fuel pump and in several instances both places.

Fuel Injectors: Nearly all domestic cars after the year 1986, along with earlier foreign cars came from the factory with fuel injection. Instead of a carburetor to perform the task of mixing the fuel and the air, a computer controls when the fuel injectors open in order to let fuel into the engine. This has caused lower emission overall and better fuel economy. The fuel injector is essentially a small electric valve that closes and opens 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 so as to mix the fuel with the air without whatever computer involvement. These tools are quite easy to work but do require frequent rebuilding and retuning. This is one of the main reasons the newer vehicles on the market have done away with carburetors rather than fuel injection.