Fuel Systems for Forklifts

Fuel System for Forklift - The fuel system is responsible for feeding your engine the gasoline or diesel it requires in order to run. If whichever of the separate components in the fuel system break down, your engine would not run properly. There are the major components of the fuel system listed below:

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 the majority of newer cars, the fuel pump is normally placed within the fuel tank. Lots of older vehicles have the fuel pump connected to the engine or positioned on the frame rail between the tank and the engine. If the pump is inside the tank or on the frame rail, then it is electric and works 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: For performance and overall engine life, clean fuel is vital. The fuel injector is made up of small holes that clog without difficulty. Filtering the fuel is the only way this could be avoided. Filters can be found either after or before the fuel pump and in various 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 to allow fuel into the engine, which replaced the carburator who's job originally was to carry out the mixing of the fuel and air. This has resulted in better fuel economy and lower emissions overall. The fuel injector is basically a tiny electric valve that closes opens with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or in small particles, and can burn better when ignited by the spark plug.

Carburetors: Carburetor work to be able to mix the air with the fuel without whichever computer intervention. These tools are fairly easy 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.