Forklift Fuel Systems

Fuel Systems for Forklifts - The fuel system is responsible for feeding your engine the diesel or gasoline it needs to be able to function. If whichever of the specific components in the fuel system break 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 down the gas hose into your tank. Inside the tank there is a sending unit. This is what tells the gas gauge the amount of gas is in the tank.

Fuel Pump: In newer cars, most contain fuel pumps usually placed in the fuel tank. A lot of the older automobiles would attach the fuel pump to the engine or positioned on the frame next to the tank and engine. If the pump is on the frame rail or in the tank, then it is electric and works with electricity from your cars' battery, while fuel pumps that are connected to the engine utilize the motion of the engine in order to pump the fuel.

Fuel Filter: For performance and overall engine life, clean fuel is vital. The fuel injector is made up of tiny holes that clog 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 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 to be able to allow fuel into the engine, which replaced the carburator who's task originally was to carry out the mixing of the air and fuel. This has resulted in lower emission overall and better fuel economy. The fuel injector is basically a small electric valve which closes and opens with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or inside tiny particles, and can burn better when ignited by the spark plug.

Carburetors: Carburetor work in order to mix the air with the fuel without any computer intervention. These devices are somewhat simple to operate but do require regular rebuilding and retuning. This is among the main reasons the newer vehicles on the market have done away with carburetors instead of fuel injection.