

Forklift Fuel Systems

Fuel Systems for Forklifts - The fuel system is responsible for providing your engine the diesel or gasoline it needs to be able to run. If any of the individual components in the fuel system break down, your engine will not work correctly. There are the major components of the fuel system listed beneath:

Fuel Tank: The fuel tank is a holding cell intended for your fuel. When filling up at a gas station, the fuel travels down 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 within the tank.

Fuel Pump: In newer cars, nearly all contain fuel pumps normally located in the fuel tank. Several of the older automobiles would attach the fuel pump to the engine or positioned on the frame next to the engine and tank. If the pump is on the frame rail or within the tank, therefore it is electric and operates with electricity from your cars' battery, while fuel pumps which are connected 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 which block without difficulty. Filtering the fuel is the only way this could be avoided. Filters could be found either before or after the fuel pump and in some instances both places.

Fuel Injectors: Nearly all domestic cars made after 1986, came from the factory with fuel injection. A computer control opens the fuel injectors in order to allow fuel into the engine, that replaced the carburetor who's job originally was to perform the mixing of the air and fuel. 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 inside tiny particles, and is able to burn better when ignited by the spark plug.

Carburetors: Carburetor function in order to mix the fuel with the air without whichever computer involvement. These tools are rather 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 instead of fuel injection.