

Forklift Fuel Systems

Forklift Fuel System - The fuel systems task is to supply your engine with the diesel or gasoline it requires in order to function. If whatever of the fuel system components breaks down, your engine would not run properly. There are the main components of the fuel system listed beneath:

Fuel Tank: The fuel tank is a holding cell meant for your fuel. When filling up at a gas station, the fuel travels down the gas hose and into your tank. Inside 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 most newer cars, the fuel pump is typically placed within the fuel tank. Numerous older vehicles have the fuel pump connected to the engine or positioned on the frame rail amid the engine and the tank. If the pump is in the tank or on the frame rail, then it is electric and operates with electricity from your cars' battery, whereas fuel pumps that are attached to the engine use the motion of the engine so as to pump the fuel.

Fuel Filter: For overall engine life and performance, clean fuel is essential. The fuel injector is made up of small holes that clog easily. Filtering the fuel is the only way this could be avoided. Filters can be found either before or after the fuel pump and in various 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. In place of a carburetor to do the job of mixing the air and the fuel, a computer controls when the fuel injectors open to allow fuel into the engine. This has resulted in better fuel economy and lower emissions overall. The fuel injector is really 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 within tiny particles, and can burn better when ignited by the spark plug.

Carburetors: Carburetors have the task of taking the fuel and mixing it with the air without any involvement from a computer. Carburetors need frequent rebuilding and retuning even though they are easy to work. This is amongst the main reasons the newer vehicles offered on the market have done away with carburetors in favor of fuel injection.