

Fuel Systems for Forklifts

Fuel Systems for Forklifts - The fuel systems task is to provide 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 major components of the fuel system listed beneath:

Fuel Tank: The fuel tank is a holding cell 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 located in the fuel tank. Lots of older vehicles have the fuel pump attached to the engine or positioned on the frame rail among the engine and the tank. If the pump is in the tank or on the frame rail, then it is electric and runs with electricity from your cars' battery, whereas fuel pumps that are connected to the engine make use of the motion of the engine so as to pump the fuel.

Fuel Filter: For overall engine life and performance, clean fuel is very important. The fuel injector is made up of small holes which clog easily. 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: Most domestic cars after 1986, together with earlier foreign cars came from the factory with fuel injection. Instead of a carburetor to perform the job of mixing the air and the fuel, a computer controls when the fuel injectors open to be able 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 which opens and closes 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 fuel with the air without any computer involvement. These tools are quite simple to operate but do require regular tuning and rebuilding. This is one of the main reasons the newer vehicles on the market have done away with carburetors instead of fuel injection.