

Fuel Systems for Forklifts

Forklift Fuel System - The fuel systems task is to provide your engine with the gasoline or diesel it requires in order to function. If whichever of the fuel system components breaks down, your engine would not run right. There are the major components 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 inside the tank.

Fuel Pump: In the majority of newer cars, the fuel pump is typically situated inside the fuel tank. Lots of older vehicles have the fuel pump connected to the engine or located on the frame rail between the engine and the tank. If the pump is on the frame rail or inside the tank, then it is electric and runs with electricity from your cars' battery, while fuel pumps which are mounted to the engine utilize the motion of the engine in order to pump the fuel.

Fuel Filter: Clean fuel is vital for overall engine life and engine performance. Fuel injectors have small openings that could clog very easily. Filtering the fuel is the only way this could be prevented. Filters can be found either before or after the fuel pump and in several instances both places.

Fuel Injectors: Most domestic cars made after the year 1986, came from the factory with fuel injection. A computer control opens the fuel injectors so as to allow fuel into the engine, that replaced the carburetor who's task originally was to carry out the mixing of the air and fuel. This has caused better fuel economy and lower emissions overall. The fuel injector is really a small electric valve which closes opens with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or inside small particles, and could burn better when ignited by the spark plug.

Carburetors: Carburetor work in order to mix the fuel with the air without whatever computer intervention. These devices are rather easy to operate but do require frequent tuning and rebuilding. This is amongst the main reasons the newer vehicles on the market have done away with carburetors instead of fuel injection.