

Forklift Fuel Systems

Forklift Fuel System - The fuel system is responsible for supplying your engine the gasoline or diesel it needs in order to function. If whatever of the individual parts in the fuel system break down, your engine would not run right. There are the main 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 usually located within the fuel tank. Several older vehicles have the fuel pump attached to the engine or placed on the frame rail amid the engine and the tank. 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 attached to the engine use the motion of the engine to be able to pump the fuel.

Fuel Filter: For overall engine life and performance, clean fuel is vital. The fuel injector is made up of tiny holes that clog with no trouble. Filtering the fuel is the only way this can be prevented. Filters can be found either after or before the fuel pump and in various instances both places.

Fuel Injectors: Nearly all domestic cars made after the year 1986, came from the factory with fuel injection. A computer control opens the fuel injectors in order to allow fuel into the engine, which replaced the carburetor who's job initially was to perform the mixing of the fuel and air. This has resulted in better fuel economy and lower emissions overall. The fuel injector is essentially a small electric valve that closes opens with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or inside small particles, and can burn better when ignited by the spark plug.

Carburetors: Carburetors have the job of taking the fuel and mixing it with the air without whichever intervention from a computer. Carburetors require frequent tuning and rebuilding although they are easy to operate. This is among the main reasons the newer vehicles offered on the market have done away with carburetors rather than fuel injection.