

Forklift Fuel System

Forklift Fuel System - The fuel system is responsible for providing your engine the gasoline or diesel it requires in order to work. If whichever of the separate components in the fuel system break down, your engine would not function right. There are the major components of the fuel system listed below:

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. Within the tank there is a sending unit. This is what tells the gas gauge the amount of gas is within the tank.

Fuel Pump: In newer cars, nearly all contain fuel pumps typically positioned within the fuel tank. Several of the older automobiles will attach the fuel pump to the engine or placed on the frame next to the tank and engine. If the pump is on the frame rail or in the tank, therefore it is electric and operates with electricity from your cars' battery, while fuel pumps which are attached to the engine utilize the motion of the engine to be able to pump the fuel.

Fuel Filter: Clean fuel is vital for overall engine life and engine performance. Fuel injectors have tiny openings which can block with no trouble. Filtering the fuel is the only way this could be prevented. Filters can be found either after or before 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 in order to allow fuel into the engine, that replaced the carburetor who's job originally was to perform the mixing of the fuel and air. This has resulted in lower emission overall and better fuel economy. 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 can burn better when ignited by the spark plug.

Carburetors: Carburetor work to mix the fuel with the air without any computer involvement. These devices are fairly simple to operate but do need regular tuning and rebuilding. This is one of the main reasons the newer vehicles on the market have done away with carburetors rather than fuel injection.