

Forklift Fuel System

Forklift Fuel System - The fuel systems task is to supply your engine with the gasoline or diesel it needs to be able to run. If any of the fuel system parts breaks down, your engine would not work right. There are the main parts of the fuel system listed below:

Fuel Tank: The fuel tank holds the fuel. The fuel from the gas station pump, moves from the tank travels downward 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 in the tank.

Fuel Pump: In newer cars, nearly all contain fuel pumps typically placed within the fuel tank. Several of the older automobiles would connect 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, 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 in order to pump the fuel.

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

Fuel Injectors: The majority of domestic cars after 1986, along with earlier foreign cars came from the factory with fuel injection. In place of a carburetor to perform the job of mixing the air and the fuel, a computer controls when the fuel injectors open so as 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 closes and opens with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or in small 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 require regular tuning and rebuilding even if they are easy to operate. This is one of the main reasons the newer vehicles on the market have done away with carburetors in favor of fuel injection.