

Fuel System for Forklift

Forklift Fuel System - The fuel system is responsible for providing your engine the diesel or gasoline it requires to be able to run. If any of the individual parts in the fuel system break down, your engine would not work right. There are the major components of the fuel system listed beneath:

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. In 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 placed inside the fuel tank. Many of the older automobiles will attach the fuel pump to the engine or located on the frame next to the tank and engine. If the pump is in the tank or on the frame rail, then it is electric and works with electricity from your cars' battery, whereas fuel pumps which are mounted 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 essential. The fuel injector is made up of small holes which clog easily. Filtering the fuel is the only way this can be prevented. Filters can be found either before or after the fuel pump and in various instances both places.

Fuel Injectors: The majority of domestic cars made after the year 1986, came from the factory with fuel injection. A computer control opens the fuel injectors to allow fuel into the engine, that replaced the carburetor who's job originally was to perform the mixing of the air and fuel. This has resulted in lower emission overall and better fuel economy. The fuel injector is essentially a tiny 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 task of taking the fuel and mixing it with the air without whatever intervention from a computer. Carburetors require regular tuning and rebuilding although they are simple to work. This is among the main reasons the newer vehicles on the market have done away with carburetors instead of fuel injection.