

Forklift Fuel System

Fuel Systems for Forklifts - The fuel system is responsible for feeding your engine the gasoline or diesel it requires to be able to run. If whichever of the individual parts in the fuel system break down, your engine will not work properly. 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 how much gas is inside the tank.

Fuel Pump: In newer cars, most contain fuel pumps usually positioned in the fuel tank. Several of the older automobiles would attach the fuel pump to the engine or positioned on the frame next to the engine and tank. If the pump is within the tank or on the frame rail, 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 so as to pump the fuel.

Fuel Filter: Clean fuel is vital for overall engine life and engine performance. Fuel injectors have small openings that could block without difficulty. Filtering the fuel is the only way this could be prevented. Filters could be found either after or before the fuel pump and in several 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, that replaced the carburetor who's task originally was to perform the mixing of the air and fuel. This has resulted in better fuel economy and lower emissions overall. The fuel injector is essentially a tiny electric valve that opens and closes with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or within tiny 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 frequent rebuilding and retuning even though they are simple to operate. This is one of the main reasons the newer vehicles offered on the market have done away with carburetors rather than fuel injection.