

Fuel System for Forklift

Fuel Systems for Forklifts - The fuel systems task is to supply your engine with the diesel or gasoline it needs so as to work. If any of the fuel system components breaks down, your engine would not work properly. There are the main 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. 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 nearly all newer cars, the fuel pump is typically located inside the fuel tank. Many older vehicles have the fuel pump attached to the engine or positioned on the frame rail between the tank and the engine. If the pump is on the frame rail or inside the tank, then it is electric and works with electricity from your cars' battery, whereas fuel pumps that are mounted to the engine utilize the motion of the engine so as to pump the fuel.

Fuel Filter: Clean fuel is very important for overall engine life and engine performance. Fuel injectors have tiny openings which could block without problems. Filtering the fuel is the only way this could be avoided. Filters could be found either after or before the fuel pump and in some 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 so as to allow fuel into the engine, that replaced the carburetor who's task initially was to perform the mixing of the fuel and air. This has caused lower emission overall and better fuel economy. The fuel injector is basically a tiny electric valve which opens and closes with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or inside small particles, and could 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 involvement from a computer. Carburetors require frequent tuning and rebuilding though they are easy to work. This is amongst the main reasons the newer vehicles on the market have done away with carburetors rather than fuel injection.