

Fuel System for Forklift

Forklift Fuel System - The fuel system is responsible for feeding your engine the gasoline or diesel it needs to be able to function. If whatever of the separate components in the fuel system break down, your engine will not function properly. There are the main parts of the fuel system listed below:

Fuel Tank: The fuel tank is a holding cell meant for your fuel. When filling up at a gas station, the fuel travels downward the gas hose and 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 nearly all newer cars, the fuel pump is normally placed inside the fuel tank. Numerous older vehicles have the fuel pump connected to the engine or placed on the frame rail between the engine and the tank. If the pump is on the frame rail or inside the tank, therefore it is electric and functions with electricity from your cars' battery, whereas fuel pumps that are connected to the engine use the motion of the engine in order to pump the fuel.

Fuel Filter: For performance and overall engine life, clean fuel is very important. The fuel injector is made up of small holes that 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: Nearly all 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 fuel and air. This has resulted in lower emission overall and better fuel economy. The fuel injector is really a tiny electric valve which opens closes with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or within 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 intervention from a computer. Carburetors require frequent rebuilding and retuning even though they are simple to work. This is amongst the main reasons the newer vehicles existing on the market have done away with carburetors rather than fuel injection.