

Fuel Systems for Forklifts

Forklift Fuel System - The fuel systems task is to supply your engine with the gasoline or diesel it requires so as to work. If whichever of the fuel system parts breaks down, your engine would not function correctly. There are the main components of the fuel system listed below:

Fuel Tank: The fuel tank is a holding cell 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 how much gas is inside the tank.

Fuel Pump: In newer cars, most contain fuel pumps normally placed inside the fuel tank. Several of the older automobiles would attach the fuel pump to the engine or located on the frame next to the tank and engine. If the pump is inside the tank or on the frame rail, then it is electric and operates with electricity from your cars' battery, while fuel pumps that are attached to the engine utilize the motion of the engine to be able to pump the fuel.

Fuel Filter: Clean fuel is vital for engine performance and overall engine life. Fuel injectors have tiny openings that could block very easily. 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: Most domestic cars after the year 1986, together with earlier foreign cars came from the factory with fuel injection. In place of a carburetor to perform the task of mixing the air and the fuel, a computer controls when the fuel injectors open to be able to allow fuel into the engine. This has resulted in lower emission overall and better fuel economy. 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 inside small particles, and is able to burn better when ignited by the spark plug.

Carburetors: Carburetors have the task of taking the fuel and mixing it with the air without whichever involvement from a computer. Carburetors require regular rebuilding and retuning though they are easy to operate. This is amongst the main reasons the newer vehicles accessible on the market have done away with carburetors in favor of fuel injection.