

Fuel Systems for Forklifts

Forklift Fuel System - The fuel system is responsible for providing your engine the diesel or gasoline it needs so as to work. If any of the different parts in the fuel system break down, your engine will not work properly. There are the major parts of the fuel system listed under:

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. 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, the majority contain fuel pumps usually placed in the fuel tank. Many of the older automobiles will attach the fuel pump to the engine or positioned on the frame next to the tank and engine. If the pump is on the frame rail or inside the tank, then it is electric and operates with electricity from your cars' battery, whereas fuel pumps which are mounted to the engine make use of the motion of the engine in order to pump the fuel.

Fuel Filter: Clean fuel is vital for engine performance and overall engine life. Fuel injectors have small openings that could clog without problems. Filtering the fuel is the only way this could be avoided. Filters can be found either before or after the fuel pump and in various instances both places.

Fuel Injectors: The majority of domestic cars after the year 1986, together with earlier foreign cars came from the factory with fuel injection. In place of a carburetor to do the task of mixing the air and the fuel, a computer controls when the fuel injectors open to be able to let fuel into the engine. This has caused lower emission overall and better fuel economy. The fuel injector is really 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 in small particles, and is able to burn better when ignited by the spark plug.

Carburetors: Carburetor function to be able to mix the air with the fuel without whatever computer involvement. These tools are somewhat easy to operate but do require regular rebuilding and retuning. This is among the main reasons the newer vehicles available on the market have done away with carburetors instead of fuel injection.