

Forklift Fuel System

Forklift Fuel Systems - The fuel system is responsible for feeding your engine the gasoline or diesel it requires so as to run. If any of the individual parts in the fuel system break down, your engine will not work right. There are the major components of the fuel system listed under:

Fuel Tank: The fuel tank is a holding cell meant 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 within the tank.

Fuel Pump: In newer cars, the majority contain fuel pumps usually placed inside the fuel tank. Several of the older automobiles would attach the fuel pump to the engine or placed on the frame next to the engine and tank. If the pump is within the tank or on the frame rail, therefore it is electric and functions with electricity from your cars' battery, whereas fuel pumps that are connected to the engine make use of the motion of the engine to be able to pump the fuel.

Fuel Filter: Clean fuel is very important for engine performance and overall engine life. Fuel injectors have tiny openings that could clog very easily. Filtering the fuel is the only way this can be prevented. Filters could be found either before or after the fuel pump and in several instances both places.

Fuel Injectors: Most domestic cars after 1986, along with earlier foreign cars came from the factory with fuel injection. Instead of a carburetor to do the job of mixing the air and the fuel, a computer controls when the fuel injectors open in order to let fuel into the engine. This has caused lower emission overall and better fuel economy. The fuel injector is essentially a small electric valve which closes opens 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: Carburetor function in order to mix the fuel with the air without any computer intervention. These tools are somewhat easy to work but do need frequent rebuilding and retuning. This is among the main reasons the newer vehicles on the market have done away with carburetors in favor of fuel injection.