

Forklift Fuel System

Forklift Fuel Systems - The fuel systems task is to supply your engine with the gasoline or diesel it requires so as to function. If any of the fuel system components breaks 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 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 how much gas is within the tank.

Fuel Pump: In newer cars, nearly all contain fuel pumps typically positioned within the fuel tank. Many of the older automobiles would connect the fuel pump to the engine or located on the frame next to the engine and tank. If the pump is in the tank or on the frame rail, therefore it is electric and functions with electricity from your cars' battery, whereas fuel pumps that are attached to the engine make use of the motion of the engine in order to pump the fuel.

Fuel Filter: Clean fuel is very important for engine performance and overall engine life. Fuel injectors have tiny openings that can block with no trouble. 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: The majority of domestic cars after 1986, together with earlier foreign cars came from the factory with fuel injection. Instead of a carburetor to do the job of mixing the fuel and the air, a computer controls when the fuel injectors open so as to let fuel into the engine. This has caused lower emission overall and better fuel economy. The fuel injector is basically a small electric valve that 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 can burn better when ignited by the spark plug.

Carburetors: Carburetors have the job of taking the fuel and mixing it with the air without whatever involvement from a computer. Carburetors need repeated rebuilding and retuning even though they are simple to work. This is amongst the main reasons the newer vehicles on the market have done away with carburetors rather than fuel injection.