

Fuel Systems for Forklifts

Forklift Fuel System - The fuel system is responsible for providing your engine the gasoline or diesel it needs so as to run. If whichever of the specific parts in the fuel system break down, your engine would not function correctly. There are the main components of the fuel system listed under:

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. Within the tank there is a sending unit. This is what tells the gas gauge the amount of gas is inside the tank.

Fuel Pump: In most newer cars, the fuel pump is usually placed within the fuel tank. Many older vehicles have the fuel pump attached to the engine or placed on the frame rail among the tank and the engine. If the pump is on the frame rail or within the tank, therefore it is electric and functions with electricity from your cars' battery, whereas fuel pumps which are attached to the engine utilize 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 which can block with no trouble. Filtering the fuel is the only way this can be prevented. Filters can be found either after or before 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 carry out the job 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 better fuel economy and lower emissions overall. 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 inside tiny particles, and can burn better when ignited by the spark plug.

Carburetors: Carburetors have the task of taking the fuel and mixing it with the air without whatever intervention from a computer. Carburetors need frequent rebuilding and retuning even though they are simple to operate. This is one of the main reasons the newer vehicles existing on the market have done away with carburetors rather than fuel injection.