

Fuel Systems for Forklifts

Forklift Fuel System - The fuel systems task is to provide your engine with the diesel or gasoline it requires so as to work. If whatever of the fuel system parts breaks down, your engine will not function properly. There are the major 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 in the tank.

Fuel Pump: In nearly all newer cars, the fuel pump is typically situated inside the fuel tank. Many older vehicles have the fuel pump attached to the engine or positioned on the frame rail amid the tank and the engine. If the pump is on the frame rail or in the tank, therefore it is electric and operates with electricity from your cars' battery, whereas fuel pumps that are connected to the engine make use of the motion of the engine so as to pump the fuel.

Fuel Filter: Clean fuel is very important for overall engine life and engine performance. Fuel injectors have tiny openings that could 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 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 carry out the job of mixing the fuel and the air, a computer controls when the fuel injectors open so as to allow fuel into the engine. This has resulted in better fuel economy and lower emissions overall. The fuel injector is basically a small electric valve which 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 is able to 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 intervention from a computer. Carburetors need regular tuning and rebuilding though they are simple to work. This is among the main reasons the newer vehicles on the market have done away with carburetors in favor of fuel injection.