

Forklift Fuel System

Forklift Fuel System - The fuel systems task is to provide your engine with the diesel or gasoline it requires to be able to run. If whichever of the fuel system parts breaks down, your engine will not function right. There are the major components of the fuel system listed below:

Fuel Tank: The fuel tank is a holding cell meant for your fuel. When filling up at a gas station, the fuel travels downward 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 within the tank.

Fuel Pump: In the majority of newer cars, the fuel pump is typically situated inside the fuel tank. Many older vehicles have the fuel pump attached to the engine or placed on the frame rail amid the engine and the tank. If the pump is in the tank or on the frame rail, then it is electric and runs with electricity from your cars' battery, whereas fuel pumps which are attached to the engine utilize 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 which can clog without problems. Filtering the fuel is the only way this could be prevented. Filters could be found either after or before the fuel pump and in various instances both places.

Fuel Injectors: Most domestic cars after 1986, together with earlier foreign cars came from the factory with fuel injection. Instead of a carburetor to perform 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 resulted in 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: Carburetor work to be able to mix the fuel with the air without whichever computer involvement. These devices are somewhat easy to function but do require regular tuning and rebuilding. This is among the main reasons the newer vehicles on the market have done away with carburetors rather than fuel injection.