

Forklift Fuel Systems

Fuel Systems for Forklifts - The fuel systems task is to provide your engine with the diesel or gasoline it requires in order to run. If whichever of the fuel system parts breaks down, your engine would not function correctly. There are the main 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 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 newer cars, most contain fuel pumps usually located inside the fuel tank. Many of the older automobiles will attach the fuel pump to the engine or placed on the frame next to the engine and tank. If the pump is on the frame rail or in the tank, then it is electric and runs with electricity from your cars' battery, whereas fuel pumps which are connected to the engine utilize the motion of the engine so as to pump the fuel.

Fuel Filter: Clean fuel is essential for engine performance and overall engine life. Fuel injectors have tiny openings which can block without problems. Filtering the fuel is the only way this could be avoided. Filters can be found either after or before the fuel pump and in various instances both places.

Fuel Injectors: Nearly all domestic cars after 1986, along with earlier foreign cars came from the factory with fuel injection. In place of a carburetor to perform the task of mixing the air and the fuel, a computer controls when the fuel injectors open in order to allow fuel into the engine. This has caused lower emission overall and better fuel economy. The fuel injector is essentially 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 within small particles, and is able to 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 involvement from a computer. Carburetors require repeated tuning and rebuilding even though they are easy to operate. This is one of the main reasons the newer vehicles available on the market have done away with carburetors instead of fuel injection.