

Fuel Systems for Forklifts

Forklift Fuel Systems - The fuel systems task is to provide your engine with the diesel or gasoline it needs so as to run. If any of the fuel system parts breaks down, your engine would not work right. There are the major components of the fuel system listed below:

Fuel Tank: The fuel tank is a holding cell 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 the amount of gas is in the tank.

Fuel Pump: In most newer cars, the fuel pump is normally located within the fuel tank. Many older vehicles have the fuel pump connected to the engine or placed on the frame rail amid the tank and the engine. If the pump is on the frame rail or inside the tank, then it is electric and operates with electricity from your cars' battery, while fuel pumps which are mounted to the engine use the motion of the engine so as to pump the fuel.

Fuel Filter: Clean fuel is essential for overall engine life and engine performance. Fuel injectors have tiny openings which could block without problems. Filtering the fuel is the only way this can be prevented. Filters could be found either after or before the fuel pump and in several 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 do the task of mixing the air and the fuel, a computer controls when the fuel injectors open to be able to allow fuel into the engine. This has resulted in lower emission overall and better fuel economy. The fuel injector is essentially a tiny electric valve that 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: Carburetor function to be able to mix the fuel with the air without any computer intervention. These devices are quite easy to operate but do need frequent rebuilding and retuning. This is among the main reasons the newer vehicles offered on the market have done away with carburetors in favor of fuel injection.