

Fuel System for Forklift

Fuel Systems for Forklifts - The fuel systems task is to supply your engine with the diesel or gasoline it needs in order to work. If whichever of the fuel system components breaks down, your engine would not work correctly. There are the major parts of the fuel system listed under:

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. Inside 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 newer cars, most contain fuel pumps usually positioned in 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 within the tank, then it is electric and functions with electricity from your cars' battery, whereas fuel pumps that are mounted to the engine make use of 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 clog with no trouble. Filtering the fuel is the only way this could be prevented. Filters could be found either before or after the fuel pump and in various instances both places.

Fuel Injectors: Nearly all domestic cars made after 1986, came from the factory with fuel injection. A computer control opens the fuel injectors to allow fuel into the engine, which replaced the carburetor who's job initially was to perform the mixing of the fuel and air. This has resulted in better fuel economy and lower emissions overall. The fuel injector is really 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 tiny 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 whichever intervention from a computer. Carburetors require repeated tuning and rebuilding even if they are easy to work. This is one of the main reasons the newer vehicles existing on the market have done away with carburetors rather than fuel injection.