

Forklift Fuel System

Fuel Systems for Forklifts - The fuel system is responsible for providing your engine the diesel or gasoline it needs in order to work. If any of the separate components in the fuel system break down, your engine would not function right. There are the main parts of the fuel system listed beneath:

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

Fuel Pump: In newer cars, nearly all contain fuel pumps usually positioned inside the fuel tank. Several of the older automobiles will attach the fuel pump to the engine or positioned on the frame next to the tank and engine. If the pump is on the frame rail or in the tank, therefore it is electric and runs with electricity from your cars' battery, whereas fuel pumps that are attached to the engine use the motion of the engine in order to pump the fuel.

Fuel Filter: Clean fuel is essential for engine performance and overall engine life. Fuel injectors have tiny openings which could clog very easily. Filtering the fuel is the only way this could be avoided. Filters could be found either before or after the fuel pump and in some instances both places.

Fuel Injectors: Most domestic cars made after the year 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 task initially was to perform the mixing of the fuel and air. This has resulted in lower emission overall and better fuel economy. The fuel injector is basically a small electric valve that opens closes with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or inside tiny particles, and could 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 involvement from a computer. Carburetors require repeated rebuilding and retuning although they are easy to operate. This is one of the main reasons the newer vehicles presented on the market have done away with carburetors in favor of fuel injection.