

Fuel Systems for Forklifts

Fuel Systems for Forklifts - The fuel system is responsible for supplying your engine the diesel or gasoline it requires so as to function. If any of the individual components in the fuel system break down, your engine would not function properly. There are the main parts of the fuel system listed under:

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. Inside the tank there is a sending unit. This is what tells the gas gauge how much gas is inside the tank.

Fuel Pump: In newer cars, most contain fuel pumps normally positioned inside the fuel tank. A lot of the older automobiles will connect the fuel pump to the engine or located on the frame next to the engine and tank. If the pump is in the tank or on the frame rail, 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 in order to pump the fuel.

Fuel Filter: For performance and overall engine life, clean fuel is vital. The fuel injector is made up of small holes which clog without difficulty. Filtering the fuel is the only way this could be avoided. Filters could be found either before or after the fuel pump and in several 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 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 essentially a tiny electric valve that opens closes with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or in small 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 need regular tuning and rebuilding though they are easy to operate. This is one of the main reasons the newer vehicles on the market have done away with carburetors rather than fuel injection.