

Fuel Systems for Forklifts

Fuel System for Forklift - The fuel systems job is to provide your engine with the diesel or gasoline it needs to be able to function. If whichever of the fuel system components breaks down, your engine would not function right. There are the major parts of the fuel system listed under:

Fuel Tank: The fuel tank holds the fuel. The fuel from the gas station pump, moves from the tank travels down the gas hose into your tank. Inside the tank there is a sending unit. This is what tells the gas gauge how much gas is within the tank.

Fuel Pump: In newer cars, the majority contain fuel pumps normally located inside the fuel tank. Many of the older automobiles would attach the fuel pump to the engine or placed on the frame next to the tank and engine. If the pump is on the frame rail or within the tank, then it is electric and functions with electricity from your cars' battery, while fuel pumps that are attached to the engine make use of the motion of the engine in order to pump the fuel.

Fuel Filter: For overall engine life and performance, clean fuel is vital. The fuel injector is made up of tiny holes which clog with no trouble. Filtering the fuel is the only way this could be avoided. Filters can be found either before or after the fuel pump and in various instances both places.

Fuel Injectors: Most 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 air and fuel. This has resulted in better fuel economy and lower emissions overall. The fuel injector is basically 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 within small 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 whichever intervention from a computer. Carburetors require repeated rebuilding and retuning even though they are simple to work. This is one of the main reasons the newer vehicles on the market have done away with carburetors rather than fuel injection.