

Fuel System for Forklift

Fuel Systems for Forklifts - The fuel systems job is to supply your engine with the diesel or gasoline it requires in order to work. If any of the fuel system components breaks down, your engine would not function right. There are the major parts of the fuel system listed underneath:

Fuel Tank: The fuel tank holds the fuel. The fuel from the gas station pump, moves from the tank travels downward the gas hose into your tank. Inside the tank there is a sending unit. This is what tells the gas gauge the amount of gas is inside the tank.

Fuel Pump: In nearly all newer cars, the fuel pump is usually located inside the fuel tank. Many older vehicles have the fuel pump attached to the engine or placed on the frame rail among the engine and the tank. If the pump is within the tank or on the frame rail, therefore it is electric and runs with electricity from your cars' battery, while fuel pumps which are attached to the engine use the motion of the engine so as to pump the fuel.

Fuel Filter: For performance and overall engine life, clean fuel is essential. The fuel injector is made up of small holes which clog without problems. Filtering the fuel is the only way this could be prevented. Filters could be found either before or after the fuel pump and in several instances both places.

Fuel Injectors: The majority of domestic cars made after 1986, came from the factory with fuel injection. A computer control opens the fuel injectors so as to allow fuel into the engine, that replaced the carburetor who's job originally 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 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 in small particles, and can burn better when ignited by the spark plug.

Carburetors: Carburetor work to mix the air with the fuel without any computer intervention. These devices are quite easy to function but do require frequent tuning and rebuilding. This is one of the main reasons the newer vehicles on the market have done away with carburetors rather than fuel injection.