

Fuel System for Forklift

Forklift Fuel System - The fuel systems task is to provide your engine with the diesel or gasoline it needs so as to function. If any of the fuel system components breaks down, your engine will not run correctly. There are the major components 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 downward the gas hose into your tank. In 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, the majority contain fuel pumps typically located within the fuel tank. A lot of the older automobiles would attach the fuel pump to the engine or positioned on the frame next to the engine and tank. If the pump is on the frame rail or in the tank, therefore it is electric and works with electricity from your cars' battery, whereas fuel pumps which are connected 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 essential. The fuel injector is made up of tiny holes that block without problems. Filtering the fuel is the only way this can be prevented. 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 job initially was to carry out the mixing of the air and fuel. This has caused better fuel economy and lower emissions overall. The fuel injector is essentially a tiny electric valve which closes and opens with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or in 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 whatever intervention from a computer. Carburetors require repeated rebuilding and retuning although they are easy to operate. This is among the main reasons the newer vehicles on the market have done away with carburetors in favor of fuel injection.