

Fuel System for Forklift

Forklift Fuel System - The fuel systems job is to supply your engine with the gasoline or diesel it requires so as to function. If any of the fuel system parts breaks down, your engine will not run properly. There are the main parts of the fuel system listed under:

Fuel Tank: The fuel tank is a holding cell intended for your fuel. When filling up at a gas station, the fuel travels down 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 usually located in the fuel tank. Several of the older automobiles would connect the fuel pump to the engine or positioned on the frame next to the tank and engine. If the pump is within the tank or on the frame rail, therefore it is electric and works with electricity from your cars' battery, whereas fuel pumps that are attached to the engine make use of 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 small openings that can clog without problems. Filtering the fuel is the only way this can be avoided. Filters can be found either after or before the fuel pump and in some 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 so as to allow fuel into the engine, that replaced the carburetor who's task initially was to perform the mixing of the air and fuel. This has resulted in lower emission overall and better fuel economy. 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 inside tiny particles, and could burn better when ignited by the spark plug.

Carburetors: Carburetors have the task of taking the fuel and mixing it with the air without whatever intervention from a computer. Carburetors require repeated tuning and rebuilding though they are simple to work. This is one of the main reasons the newer vehicles available on the market have done away with carburetors in favor of fuel injection.