

Fuel Systems for Forklifts

Forklift Fuel System - The fuel systems task is to provide your engine with the gasoline or diesel it requires in order to work. If whichever of the fuel system parts breaks down, your engine would not work correctly. 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 down the gas hose into your tank. In the tank there is a sending unit. This is what tells the gas gauge how much gas is in the tank.

Fuel Pump: In newer cars, the majority contain fuel pumps usually positioned within the fuel tank. Several of the older automobiles would attach the fuel pump to the engine or located on the frame next to the tank and engine. If the pump is within the tank or on the frame rail, then it is electric and operates with electricity from your cars' battery, while fuel pumps which are mounted to the engine utilize the motion of the engine to be able to pump the fuel.

Fuel Filter: For overall engine life and performance, clean fuel is very important. The fuel injector is made up of tiny holes which block easily. Filtering the fuel is the only way this can be prevented. Filters could be found either after or before the fuel pump and in various instances both places.

Fuel Injectors: The majority of domestic cars after the year 1986, along with earlier foreign cars came from the factory with fuel injection. Instead of a carburetor to do the job of mixing the air and the fuel, a computer controls when the fuel injectors open in order to let fuel into the engine. This has resulted in lower emission overall and better fuel economy. The fuel injector is basically a small electric valve which closes and opens with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or inside 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 involvement from a computer. Carburetors need frequent 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.