

Fuel Systems for Forklifts

Forklift Fuel Systems - The fuel systems job is to provide your engine with the gasoline or diesel it needs so as to function. If whichever of the fuel system parts breaks down, your engine would not work correctly. There are the main components of the fuel system listed under:

Fuel Tank: The fuel tank is a holding cell meant for your fuel. When filling up at a gas station, the fuel travels downward the gas hose and into your tank. Inside the tank there is a sending unit. This is what tells the gas gauge the amount of gas is within the tank.

Fuel Pump: In newer cars, nearly all contain fuel pumps usually located inside the fuel tank. Many of the older automobiles will connect the fuel pump to the engine or positioned on the frame next to the tank and engine. If the pump is on the frame rail or within the tank, therefore it is electric and functions 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 performance and overall engine life, clean fuel is very important. The fuel injector is made up of tiny holes that clog without problems. Filtering the fuel is the only way this could be prevented. Filters could be found either after or before the fuel pump and in various instances both places.

Fuel Injectors: Nearly all domestic cars made after the year 1986, came from the factory with fuel injection. A computer control opens the fuel injectors in order to allow fuel into the engine, that replaced the carburetor who's job initially was to carry out the mixing of the fuel and air. This has resulted in lower emission overall and better fuel economy. The fuel injector is essentially a tiny electric valve which closes opens with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or in tiny particles, and is able to burn better when ignited by the spark plug.

Carburetors: Carburetor work so as to mix the air with the fuel without whichever computer involvement. These devices are fairly easy to work but do need frequent rebuilding and retuning. This is amongst the main reasons the newer vehicles on the market have done away with carburetors rather than fuel injection.