

Fuel Systems for Forklifts

Fuel System for Forklift - The fuel system is responsible for feeding your engine the gasoline or diesel it needs so as to work. If any of the individual components in the fuel system break down, your engine will not work right. There are the main parts 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 down the gas hose into your tank. Within 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 newer cars, the majority contain fuel pumps usually positioned inside the fuel tank. Many of the older automobiles will 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 within the tank, therefore it is electric and works with electricity from your cars' battery, while fuel pumps that are connected to the engine make use of the motion of the engine so as to pump the fuel.

Fuel Filter: Clean fuel is essential for overall engine life and engine performance. Fuel injectors have tiny openings which could block very easily. Filtering the fuel is the only way this could be avoided. Filters can be found either before or after the fuel pump and in several instances both places.

Fuel Injectors: Most domestic cars made after the year 1986, came from the factory with fuel injection. A computer control opens the fuel injectors to allow fuel into the engine, that replaced the carburetor who's job initially was to perform the mixing of the air and fuel. This has caused lower emission overall and better fuel economy. The fuel injector is basically a small electric valve which opens and closes with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or inside small 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 any computer intervention. These devices are fairly easy to function but do require frequent tuning and rebuilding. This is amongst the main reasons the newer vehicles on the market have done away with carburetors in favor of fuel injection.