

Forklift Fuel Systems

Fuel System for Forklift - The fuel systems task is to provide your engine with the diesel or gasoline it needs to be able to run. If any of the fuel system components breaks down, your engine will not work correctly. There are the major components of the fuel system listed underneath:

Fuel Tank: The fuel tank is a holding cell meant for your fuel. When filling up at a gas station, the fuel travels down the gas hose and 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 usually positioned in the fuel tank. Many of the older automobiles will attach 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 in the tank, then it is electric and works with electricity from your cars' battery, whereas fuel pumps which are attached to the engine make use of the motion of the engine in order to pump the fuel.

Fuel Filter: Clean fuel is vital for overall engine life and engine performance. Fuel injectors have small openings which could block without difficulty. Filtering the fuel is the only way this can be prevented. Filters can be found either after or before the fuel pump and in various instances both places.

Fuel Injectors: The majority of domestic cars made after 1986, came from the factory with fuel injection. A computer control opens the fuel injectors to be able to allow fuel into the engine, that replaced the carburetor who's task originally was to perform the mixing of the fuel and air. This has resulted in better fuel economy and lower emissions overall. The fuel injector is essentially a small electric valve which closes opens 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 function in order to mix the fuel with the air without whichever computer involvement. These tools are quite simple to operate but do require frequent tuning and rebuilding. This is amongst the main reasons the newer vehicles existing on the market have done away with carburetors rather than fuel injection.