

Forklift Fuel Systems

Forklift Fuel System - The fuel system is responsible for feeding your engine the diesel or gasoline it requires to be able to work. If any of the individual components in the fuel system break down, your engine will not run right. There are the main components of the fuel system listed under:

Fuel Tank: The fuel tank is a holding cell for your fuel. When filling up at a gas station, the fuel travels downward the gas hose and into your tank. In 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, the majority contain fuel pumps typically located in the fuel tank. Many of the older automobiles would connect the fuel pump to the engine or located on the frame next to the tank and engine. If the pump is inside the tank or on the frame rail, therefore it is electric and works with electricity from your cars' battery, while fuel pumps that are attached to the engine utilize the motion of the engine to be able to pump the fuel.

Fuel Filter: For performance and overall engine life, clean fuel is vital. The fuel injector is made up of tiny holes that block without problems. Filtering the fuel is the only way this can be avoided. Filters could be found either before or after the fuel pump and in some 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 so as to allow fuel into the engine, which replaced the carburetor who's task initially was to carry out the mixing of the air and fuel. This has caused lower emission overall and better fuel economy. The fuel injector is essentially 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: Carburetor work to be able to mix the air with the fuel without any computer intervention. These devices are quite easy to operate but do need regular rebuilding and retuning. This is among the main reasons the newer vehicles on the market have done away with carburetors rather than fuel injection.