

Forklift Fuel Systems

Forklift Fuel System - The fuel systems job is to provide your engine with the diesel or gasoline it requires so as to work. If whichever of the fuel system parts breaks down, your engine will not run properly. There are the major parts of the fuel system listed below:

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. Within the tank there is a sending unit. This is what tells the gas gauge how much gas is within the tank.

Fuel Pump: In newer cars, nearly all contain fuel pumps normally located inside the fuel tank. A lot of the older automobiles will connect 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 inside the tank, then it is electric and functions with electricity from your cars' battery, while fuel pumps that are attached 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 essential. The fuel injector is made up of small holes that block easily. Filtering the fuel is the only way this could be prevented. Filters can be found either before or after the fuel pump and in various instances both places.

Fuel Injectors: The majority of domestic cars after the year 1986, together with earlier foreign cars came from the factory with fuel injection. In place of a carburetor to do the task of mixing the fuel and the air, a computer controls when the fuel injectors open so as to let fuel into the engine. This has caused better fuel economy and lower emissions overall. The fuel injector is basically a small electric valve that opens and closes with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or within tiny particles, and is able to burn better when ignited by the spark plug.

Carburetors: Carburetor work to mix the fuel with the air without any computer intervention. These devices are somewhat easy to function but do require regular tuning and rebuilding. This is among the main reasons the newer vehicles existing on the market have done away with carburetors instead of fuel injection.