

Forklift Fuel Systems

Forklift Fuel System - The fuel system is responsible for supplying your engine the diesel or gasoline it requires to be able to run. If whichever of the different components in the fuel system break down, your engine will not work correctly. There are the major components 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 downward the gas hose into your tank. Inside 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, most contain fuel pumps usually placed inside the fuel tank. Several of the older automobiles will attach the fuel pump to the engine or placed on the frame next to the engine and tank. If the pump is within the tank or on the frame rail, then it is electric and operates with electricity from your cars' battery, whereas fuel pumps which are connected to the engine make use of the motion of the engine to be able to pump the fuel.

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

Fuel Injectors: Nearly all domestic cars made after 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 perform the mixing of the fuel and air. This has caused lower emission overall and better fuel economy. The fuel injector is basically a tiny electric valve that opens closes with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or in tiny particles, and could burn better when ignited by the spark plug.

Carburetors: Carburetor function so as to mix the fuel with the air without any computer involvement. These devices are quite simple to operate but do need regular tuning and rebuilding. This is one of the main reasons the newer vehicles on the market have done away with carburetors rather than fuel injection.