

Forklift Fuel System

Forklift Fuel System - The fuel systems task is to supply your engine with the diesel or gasoline it requires to be able to function. If whichever of the fuel system parts breaks down, your engine will not work properly. There are the major components of the fuel system listed underneath:

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

Fuel Pump: In the majority of newer cars, the fuel pump is usually placed inside the fuel tank. Various older vehicles have the fuel pump attached to the engine or positioned on the frame rail between the tank and the engine. If the pump is in the tank or on the frame rail, therefore it is electric and functions with electricity from your cars' battery, while fuel pumps that are connected to the engine use the motion of the engine in order to pump the fuel.

Fuel Filter: For overall engine life and performance, clean fuel is essential. The fuel injector is made up of small holes which clog without problems. Filtering the fuel is the only way this could be avoided. Filters could be found either after or before the fuel pump and in some instances both places.

Fuel Injectors: Most domestic cars made after 1986, came from the factory with fuel injection. A computer control opens the fuel injectors to allow fuel into the engine, which replaced the carburetor who's task originally was to carry out 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 small particles, and is able to burn better when ignited by the spark plug.

Carburetors: Carburetor function to be able to mix the fuel with the air without whichever computer involvement. These tools are somewhat easy to operate but do require frequent tuning and rebuilding. This is among the main reasons the newer vehicles existing on the market have done away with carburetors rather than fuel injection.