

Forklift Fuel System

Forklift Fuel System - The fuel systems task is to provide your engine with the diesel or gasoline it requires in order to work. If any of the fuel system components breaks down, your engine would not function correctly. There are the main components 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 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 within the tank.

Fuel Pump: In most newer cars, the fuel pump is normally situated in the fuel tank. A lot of older vehicles have the fuel pump connected to the engine or placed on the frame rail among the tank and the engine. If the pump is on the frame rail or within the tank, then it is electric and works with electricity from your cars' battery, while fuel pumps which are mounted to the engine use the motion of the engine so as to pump the fuel.

Fuel Filter: Clean fuel is vital for overall engine life and engine performance. Fuel injectors have tiny openings that can clog very easily. Filtering the fuel is the only way this could be avoided. Filters could be found either after or before the fuel pump and in several instances both places.

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

Carburetors: Carburetors have the task of taking the fuel and mixing it with the air without any intervention from a computer. Carburetors require frequent tuning and rebuilding even if they are simple to work. This is one of the main reasons the newer vehicles obtainable on the market have done away with carburetors rather than fuel injection.