

Fuel System for Forklift

Fuel System for Forklift - The fuel systems task 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 function right. 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 down 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 the majority of newer cars, the fuel pump is usually located in the fuel tank. Several 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, therefore it is electric and operates with electricity from your cars' battery, while fuel pumps that 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 overall engine life and engine performance. Fuel injectors have tiny openings which could clog with no trouble. Filtering the fuel is the only way this can be prevented. Filters can be found either before or after the fuel pump and in several instances both places.

Fuel Injectors: Most domestic cars after 1986, along with earlier foreign cars came from the factory with fuel injection. Instead of a carburetor to perform the task of mixing the fuel and the air, a computer controls when the fuel injectors open in order to let fuel into the engine. This has resulted in lower emission overall and better fuel economy. The fuel injector is essentially a tiny electric valve that closes and opens with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or within tiny particles, and could burn better when ignited by the spark plug.

Carburetors: Carburetor function to mix the fuel with the air without any computer involvement. These tools are rather simple to function but do need frequent rebuilding and retuning. This is among the main reasons the newer vehicles on the market have done away with carburetors rather than fuel injection.