

Forklift Fuel System

Fuel Systems for Forklifts - The fuel systems task is to provide your engine with the gasoline or diesel it requires in order to function. If whichever of the fuel system components breaks down, your engine will not run correctly. There are the major parts 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. Inside the tank there is a sending unit. This is what tells the gas gauge the amount of gas is in the tank.

Fuel Pump: In the majority of newer cars, the fuel pump is normally located within the fuel tank. A lot of older vehicles have the fuel pump connected to the engine or positioned on the frame rail among the engine and the tank. If the pump is on the frame rail or within the tank, then it is electric and functions with electricity from your cars' battery, whereas fuel pumps that are connected to the engine use the motion of the engine so as to pump the fuel.

Fuel Filter: Clean fuel is very important for engine performance and overall engine life. Fuel injectors have small openings which can 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 various instances both places.

Fuel Injectors: The majority of domestic cars after 1986, together with earlier foreign cars came from the factory with fuel injection. In place of a carburetor to perform the job 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 basically a tiny electric valve which opens closes with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or within small particles, and can burn better when ignited by the spark plug.

Carburetors: Carburetors have the job of taking the fuel and mixing it with the air without whichever involvement from a computer. Carburetors need regular rebuilding and retuning even though they are easy to operate. This is one of the main reasons the newer vehicles presented on the market have done away with carburetors in favor of fuel injection.