

Fuel Systems for Forklifts

Forklift Fuel System - The fuel systems job is to provide your engine with the gasoline or diesel it requires in order to function. If any of the fuel system parts breaks down, your engine will not run correctly. There are the main components of the fuel system listed under:

Fuel Tank: The fuel tank is a holding cell meant for your fuel. When filling up at a gas station, the fuel travels downward the gas hose and into your tank. Within 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 nearly all newer cars, the fuel pump is typically placed in the fuel tank. Many older vehicles have the fuel pump connected to the engine or positioned on the frame rail between the engine and the tank. If the pump is in the tank or on the frame rail, therefore it is electric and runs with electricity from your cars' battery, whereas fuel pumps which are mounted to the engine use the motion of the engine to be able 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 that block with no trouble. Filtering the fuel is the only way this could be prevented. Filters can be found either before or after the fuel pump and in some instances both places.

Fuel Injectors: The majority of domestic cars after the year 1986, along with earlier foreign cars came from the factory with fuel injection. In place of a carburetor to carry out the task of mixing the fuel and the air, a computer controls when the fuel injectors open in order to allow fuel into the engine. This has caused better fuel economy and lower emissions overall. 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 small particles, and is able to burn better when ignited by the spark plug.

Carburetors: Carburetors have the task of taking the fuel and mixing it with the air without whatever intervention from a computer. Carburetors need frequent rebuilding and retuning although they are easy to operate. This is amongst the main reasons the newer vehicles on the market have done away with carburetors rather than fuel injection.