

Forklift Fuel Systems

Fuel Systems for Forklifts - The fuel systems task is to provide your engine with the gasoline or diesel it requires to be able to function. If whatever of the fuel system components breaks down, your engine will not work properly. There are the main parts of the fuel system listed below:

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 in the tank.

Fuel Pump: In nearly all newer cars, the fuel pump is normally situated within the fuel tank. Many older vehicles have the fuel pump connected to the engine or placed on the frame rail among the engine and the tank. If the pump is on the frame rail or in the tank, therefore it is electric and operates with electricity from your cars' battery, whereas 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 vital. The fuel injector is made up of small holes which block without difficulty. Filtering the fuel is the only way this could be prevented. Filters could be found either before or after the fuel pump and in various instances both places.

Fuel Injectors: Nearly all domestic cars made after the year 1986, came from the factory with fuel injection. A computer control opens the fuel injectors in order to allow fuel into the engine, that replaced the carburetor who's task initially was to perform the mixing of the fuel and air. This has caused better fuel economy and lower emissions overall. The fuel injector is really 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 inside small particles, and can burn better when ignited by the spark plug.

Carburetors: Carburetor function to be able to mix the fuel with the air without any computer intervention. These tools are somewhat easy to function but do need frequent rebuilding and retuning. This is one of the main reasons the newer vehicles obtainable on the market have done away with carburetors rather than fuel injection.