

Fuel Systems for Forklifts

Fuel Systems for Forklifts - The fuel systems task is to supply your engine with the diesel or gasoline it needs to be able to function. If whatever of the fuel system components breaks down, your engine would not function properly. There are the main components of the fuel system listed underneath:

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. 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 newer cars, the majority contain fuel pumps typically located inside the fuel tank. Several of the older automobiles will attach the fuel pump to the engine or positioned on the frame next to the engine and tank. If the pump is within the tank or on the frame rail, then it is electric and runs with electricity from your cars' battery, whereas fuel pumps that are attached to the engine use the motion of the engine so as to pump the fuel.

Fuel Filter: Clean fuel is very important for overall engine life and engine performance. Fuel injectors have tiny openings which could block without difficulty. Filtering the fuel is the only way this could be prevented. Filters can be found either after or before the fuel pump and in several instances both places.

Fuel Injectors: Nearly all domestic cars made after 1986, came from the factory with fuel injection. A computer control opens the fuel injectors in order to allow fuel into the engine, which replaced the carburetor who's job initially was to carry out the mixing of the air and fuel. This has resulted in lower emission overall and better fuel economy. The fuel injector is basically a small electric valve that opens closes with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or in tiny 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 whatever intervention from a computer. Carburetors require frequent rebuilding and retuning although they are simple to work. This is amongst the main reasons the newer vehicles offered on the market have done away with carburetors in favor of fuel injection.