

Fuel Systems for Forklifts

Fuel Systems for Forklifts - The fuel systems task is to supply your engine with the diesel or gasoline it requires in order to work. If whatever of the fuel system parts breaks down, your engine will not run correctly. 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. In the tank there is a sending unit. This is what tells the gas gauge how much gas is within the tank.

Fuel Pump: In newer cars, most contain fuel pumps typically placed within the fuel tank. Many of the older automobiles will attach the fuel pump to the engine or positioned on the frame next to the tank and engine. If the pump is inside the tank or on the frame rail, therefore it is electric and operates with electricity from your cars' battery, while fuel pumps that are mounted to the engine utilize the motion of the engine so as to pump the fuel.

Fuel Filter: Clean fuel is essential for engine performance and overall engine life. Fuel injectors have tiny openings which could block with no trouble. Filtering the fuel is the only way this could be prevented. Filters could be found either after or before the fuel pump and in some instances both places.

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

Carburetors: Carburetor work to mix the fuel with the air without whichever computer involvement. These tools are rather easy to function but do need regular tuning and rebuilding. This is amongst the main reasons the newer vehicles on the market have done away with carburetors rather than fuel injection.