

Fuel Systems for Forklifts

Forklift Fuel System - The fuel system is responsible for feeding your engine the diesel or gasoline it needs in order to function. If any of the different parts in the fuel system break down, your engine will not work properly. There are the major parts of the fuel system listed underneath:

Fuel Tank: The fuel tank is a holding cell for your fuel. When filling up at a gas station, the fuel travels down the gas hose and into your tank. In the tank there is a sending unit. This is what tells the gas gauge how much gas is in the tank.

Fuel Pump: In newer cars, nearly all contain fuel pumps normally positioned within the fuel tank. A lot of the older automobiles would attach the fuel pump to the engine or placed on the frame next to the tank and engine. If the pump is on the frame rail or inside the tank, then it is electric and operates with electricity from your cars' battery, whereas fuel pumps which are connected to the engine utilize the motion of the engine in order to pump the fuel.

Fuel Filter: Clean fuel is vital for engine performance and overall engine life. Fuel injectors have tiny openings which can clog without problems. Filtering the fuel is the only way this can be avoided. Filters can be found either before or after the fuel pump and in various instances both places.

Fuel Injectors: Nearly all domestic cars after 1986, together with earlier foreign cars came from the factory with fuel injection. In place of a carburetor to carry out the task of mixing the air and the fuel, a computer controls when the fuel injectors open in order to allow fuel into the engine. This has resulted in better fuel economy and lower emissions overall. The fuel injector is essentially a small electric valve which opens and 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: Carburetor function so as to mix the air with the fuel without whatever computer involvement. These devices are quite easy to function but do require regular tuning and rebuilding. This is amongst the main reasons the newer vehicles accessible on the market have done away with carburetors instead of fuel injection.