

Forklift Fuel System

Fuel Systems for Forklifts - The fuel systems job is to provide your engine with the diesel or gasoline it needs to be able to work. If any of the fuel system components breaks down, your engine would not function correctly. There are the major parts of the fuel system listed underneath:

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 within the tank.

Fuel Pump: In most newer cars, the fuel pump is usually placed inside the fuel tank. Lots of older vehicles have the fuel pump attached 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 functions with electricity from your cars' battery, while fuel pumps which are mounted to the engine make use of the motion of the engine so as to pump the fuel.

Fuel Filter: Clean fuel is vital for engine performance and overall engine life. Fuel injectors have tiny openings that could block without problems. Filtering the fuel is the only way this can be avoided. Filters could 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, together with earlier foreign cars came from the factory with fuel injection. In place of a carburetor to do the task of mixing the fuel and the air, a computer controls when the fuel injectors open to allow fuel into the engine. This has resulted in lower emission overall and better fuel economy. The fuel injector is basically a small electric valve which closes opens with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or in small particles, and can burn better when ignited by the spark plug.

Carburetors: Carburetors have the task of taking the fuel and mixing it with the air without any intervention from a computer. Carburetors require regular rebuilding and retuning even if they are simple to operate. This is one of the main reasons the newer vehicles on the market have done away with carburetors rather than fuel injection.