

Forklift Fuel System

Forklift Fuel System - The fuel systems task is to supply your engine with the gasoline or diesel it requires so as to run. If whichever of the fuel system parts breaks down, your engine will not work correctly. There are the main parts of the fuel system listed beneath:

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 the amount of gas is within the tank.

Fuel Pump: In the majority of newer cars, the fuel pump is normally placed inside the fuel tank. Lots of older vehicles have the fuel pump connected to the engine or placed on the frame rail among the tank and the engine. If the pump is on the frame rail or within the tank, therefore it is electric and functions with electricity from your cars' battery, whereas fuel pumps that are mounted to the engine utilize the motion of the engine to be able to pump the fuel.

Fuel Filter: Clean fuel is vital for engine performance and overall engine life. Fuel injectors have tiny openings that can clog very easily. Filtering the fuel is the only way this can be avoided. Filters can be found either before or after the fuel pump and in some instances both places.

Fuel Injectors: Nearly all domestic cars after 1986, together with earlier foreign cars came from the factory with fuel injection. Instead of a carburetor to perform the job of mixing the fuel and the air, a computer controls when the fuel injectors open to be able to let fuel into the engine. This has caused better fuel economy and lower emissions overall. The fuel injector is basically a small electric valve which opens 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 in order to mix the air with the fuel without any computer intervention. These devices are quite simple to operate but do need regular rebuilding and retuning. This is among the main reasons the newer vehicles on the market have done away with carburetors rather than fuel injection.