

Fuel Systems for Forklifts

Fuel Systems for Forklifts - The fuel systems job is to supply your engine with the gasoline or diesel it requires so as to work. If whichever of the fuel system components breaks down, your engine would not run right. 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 down 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 in the tank.

Fuel Pump: In the majority of newer cars, the fuel pump is usually located within the fuel tank. Various older vehicles have the fuel pump connected to the engine or placed on the frame rail amid the tank and the engine. If the pump is on the frame rail or in the tank, therefore it is electric and runs with electricity from your cars' battery, whereas fuel pumps which are mounted to the engine make use of the motion of the engine in order to pump the fuel.

Fuel Filter: For overall engine life and performance, clean fuel is essential. The fuel injector is made up of small holes which clog without problems. Filtering the fuel is the only way this can be prevented. Filters could be found either after or before the fuel pump and in several instances both places.

Fuel Injectors: Most domestic cars after 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 be able to let fuel into the engine. This has caused 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 inside tiny particles, and can burn better when ignited by the spark plug.

Carburetors: Carburetor function in order to mix the fuel with the air without any computer intervention. These devices are somewhat easy to work but do require frequent rebuilding and retuning. This is among the main reasons the newer vehicles presented on the market have done away with carburetors rather than fuel injection.