

Fuel Systems

The fuel system is responsible for providing your engine the diesel or gasoline it requires so as to function. If whatever of the individual components in the fuel system break down, your engine will not work properly. There are the main 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. In the tank there is a sending unit. This is what tells the gas gauge the amount of gas is inside the tank.

Fuel Pump: In most newer cars, the fuel pump is usually situated inside the fuel tank. Lots of older vehicles have the fuel pump connected to the engine or placed on the frame rail between the engine and the tank. If the pump is inside the tank or on the frame rail, therefore it is electric and works with electricity from your cars' battery, while fuel pumps which are mounted to the engine utilize the motion of the engine so as to pump the fuel.

Fuel Filter: Clean fuel is vital for overall engine life and engine performance. Fuel injectors have tiny openings that can block very easily. 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 made after the year 1986, came from the factory with fuel injection. A computer control opens the fuel injectors to allow fuel into the engine, that replaced the carburetor who's task originally was to perform the mixing of the air and fuel. This has resulted in lower emission overall and better fuel economy. The fuel injector is essentially a small electric valve that closes opens with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or within tiny particles, and can burn better when ignited by the spark plug.

Carburetors: Carburetor work so as to mix the air with the fuel without whatever computer intervention. These devices are somewhat easy to work but do need frequent tuning and rebuilding. This is one of the main reasons the newer vehicles existing on the market have done away with carburetors rather than fuel injection.