Fuel Systems

The fuel systems task is to supply your engine with the diesel or gasoline it requires to be able to run. If whatever of the fuel system parts breaks down, your engine would not work right. There are the major parts of the fuel system listed under:

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. 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 newer cars, the majority contain fuel pumps typically placed in the fuel tank. Many of the older automobiles will connect the fuel pump to the engine or located on the frame next to the engine and tank. If the pump is within the tank or on the frame rail, therefore it is electric and works with electricity from your cars' battery, whereas fuel pumps which are attached to the engine use the motion of the engine to be able to pump the fuel.

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

Fuel Injectors: The majority of domestic cars made after 1986, came from the factory with fuel injection. A computer control opens the fuel injectors so as to allow fuel into the engine, which replaced the carburator who's job initially was to carry out the mixing of the fuel and air. This has caused lower emission overall and better fuel economy. The fuel injector is essentially a tiny electric valve that closes opens with an electric signal. By injecting the fuel close to the cylinder head, the fuel stays atomized, or inside small particles, and could burn better when ignited by the spark plug.

Carburetors: Carburetors have the task of taking the fuel and mixing it with the air without whatever involvement from a computer. Carburetors need frequent tuning and rebuilding even if they are simple to work. This is one of the main reasons the newer vehicles obtainable on the market have done away with carburetors in favor of fuel injection.