



## How to Restore Your Engine's Performance

Today we are seeing a lot more engine performance problems caused by carbon and gum deposits. This can be due to an overall poorer quality of fuel we are getting from the today's pumps. These elements conspire to reduce the efficiency of an engine, by reducing fuel flow, distorting fuel spray patterns, decreasing fuel atomization and reducing combustion efficiency. While a certain amount of carbon build up is normal, over time the build up increases.

The engine now is compromised of its power, fuel economy and exhaust emissions. This can happen so gradually that the driver doesn't notice it until the condition causes an engine performance problem.

To remedy this condition we promote the MotorVac Carbon Clean Service, which is designed to thoroughly clean the fuel system components. This service is more than just a fuel injection service. The process will diagnose and clean your entire fuel system. It will not only result in faster, easier starting, it will improve acceleration, restore fuel economy, reduce harmful exhaust emissions, and correct engine performance problems related to carbon and other contamination.

The Carbon Clean System is a closed-loop process in which a specifically formulated detergent solution is pumped through an engine's under hood fuel delivery system to dissolve buildup deposits. Due to its concentration, it's quicker and more effective than a typical bottled fuel injector additive introduced through the fuel tank. The solution is also induced into the air intake plenum, throttle-body, air bypass valve and because the engine is running while the cleaning is taking place, the combustion chambers, oxygen sensors and catalytic converters in the exhaust system also benefit from the treatment.

The Carbon Clean process also includes several diagnostic tests, fuel pressure, fuel delivery volume, fuel pump leak down tests and fuel pressure regulation, to ensure the fuel system is in good condition, which is valuable insurance in itself. The manufacture recommends it be performed about once a year or every 30,000 kilometers to maintain the fuel system in peak condition. The entire procedure takes about an hour and 15 minutes.

We have had terrific performance results from this service. If you have been experiencing any performance problems, feel free to contact our service department to see if you would benefit from this service.